APPENDIX A

ENVIRONMENTAL EASEMENT

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

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RECORDING AND ENDORSEMENT COVER PAGE **PAGE 1 OF 11**

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PRESENTER:
ROYAL REGISTERED PROPERTY REPORTS
(FILE#916554)
125 PARK AVENUE, SUITE 1610
NEW YORK, NY 10017
212-376-0900
lrivera@ROYALABSTRACT.COM

RETURN TO:
ROYAL REGISTERED PROPERTY REPORTS
(FILE#916554)
125 PARK AVENUE, SUITE 1610
NEW YORK, NY 10017
212-376-0900
lrivera@ROYALABSTRACT.COM

PROPERTY DATA

Borough	Block	Lot	Unit	Address
QUEENS	1833	117	Entire Lot	N/A ROOSEVELT AVENUE

Property Type: NON-RESIDENTIAL VACANT LAND

CROSS REFERENCE DATA

CRFN_____ *or* DocumentID_____ *or* _____ Year_____ Reel____ Page_____ *or* File Number_____

PARTIES

GRANTOR/SELLER:
THE CITY OF NEW YORK
CITY HALL
NEW YORK, NY 10007

GRANTEE/BUYER:
NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
625 BROADWAY
ALBANY, NY 12233

FEES AND TAXES

Mortgage :		
Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	87.00
Affidavit Fee:	$	0.00

Filing Fee: $ 250.00
NYC Real Property Transfer Tax: $ 0.00
NYS Real Estate Transfer Tax: $ 0.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 08-01-2024 11:56
City Register File No.(CRFN): **2024000198062**

City Register Official Signature

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made as of this 26th day of July, 2024, between Owner, The City of New York, having an office at City Hall, New York, NY 10007, (the "Grantor"), and The People of the State of New York (the "Grantee"), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233.

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of the following real property located at 38-27 126th Street (a/k/a N/A Roosevelt Avenue) in the City of New York, County of Queens and State of New York, known and designated on the tax map of the New York City Department of Finance as tax map parcel number: Block 1833, Lot 117 being the same as that property conveyed to Grantor by:

1. Deed dated as of 3 25 2009 and recorded 4 14 2009 as CRFN 2009000109051.
2. Deed dated as of 12 31 2012 and recorded 1 9 2013 as CRFN 2013000010123.
3. Deed dated as of 3 31 2009 and recorded 4 7 2009 as CRFN 2009000100671.
4. Deed dated as of 1 16 2014 and recorded 11 24 2017 as CRFN 2017000431256.
5. Deed dated as of 9 29 2010 and recorded 9 30 2010 as CRFN 2010000328858.

6. Deed dated as of 3/31/2009 and recorded 4 6 2009 as CRFN 2009000099914.

7. Condemnation proceeding in the matter of acquiring title to Willets Point Boulevard from Northern Boulevard (Jackson Avenue) to Roosevelt Avenue, etc. and as shown as Parcel No. 6 on Damage Map No. 4021.

8. Condemnation proceeding in the matter of acquiring title to 38th Avenue (Edson Street) from 126th Street (Hewett Ave.) to Willets Point Blvd., etc., and shown as Parce. No. 1 on Damage Map No. 5208.

9. The portions of streets referenced in items 7 and 8 above were eliminated. discontinued and closed by Alternation Map No. 5000A. ULURP No. M-080221(A)-MMQ dated February 16, 2018 and recorded February 20, 2018 as CRFN 2018000059163.

The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 2.311 +/- acres, and is hereinafter more fully described in the Land Title Survey dated January 25, 2024, last revised on February 15, 2024, prepared by Paul Fisher (License No.050784-1), Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C., which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: C241146E-09-23, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii), Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Department of Health and Mental Hygiene to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all

successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

Notwithstanding the rights reserved to Grantor under the Notice of DEP Infrastructure Corridor, recorded December 6, 2023 with the Office of the City Register of the City of New York at CRFN 2023000319256, Grantor acknowledges that said Notice and the rights reserved thereunder shall not be exercised in a manner inconsistent with the terms of this Environmental Easement, and any utility maintenance shall be conducted in accordance with the obligations stipulated herein, including but not limited to all applicable requirements of the up-to-date SMP.

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place:

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format: and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls:

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law: it imposes a negative burden: it imposes affirmative obligations upon the owner of any interest in the burdened property: the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by

Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:	Site Number: C241146E Office of General Counsel NYSDEC 625 Broadway Albany New York 12233-5500
With a copy to:	Site Control Section Division of Environmental Remediation NYSDEC 625 Broadway Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the

obligations imposed by this instrument upon them shall be joint and several.

11. Consistency with the SMP. To the extent there is any conflict or inconsistency between the terms of this Environmental Easement and the SMP, regarding matters specifically addressed by the SMP, the terms of the SMP will control.

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IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

The City of New York

By: _____

Print Name: Maria Torres-Springer

Title: Deputy Mayor for Housing, Economic Development and Work Force Date: 7/22/2024

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF New York)

On the 22nd day of July, in the year 2024, before me, the undersigned, personally appeared Maria Torres-Springer personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

Carlos A. Guerra
Notary Public, State of New York
No. 01GU6292830
Qualified in New York County
Commission Expires 11/12/2025.

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Andrew O. Guglielmi, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 26th day of July, in the year 2024 before me, the undersigned, personally appeared Andrew O. Guglielmi personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

Cheryl A. Salem
Notary Public State of New York
Registration No. 01SA0002177
Qualified in Albany County
My Commission Expires March 3, 2027

SCHEDULE "A" PROPERTY DESCRIPTION

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND SITUATE, LYING BEING IN THE BOROUGH AND COUNTY OF QUEENS, CITY AND STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FOLLOWS:

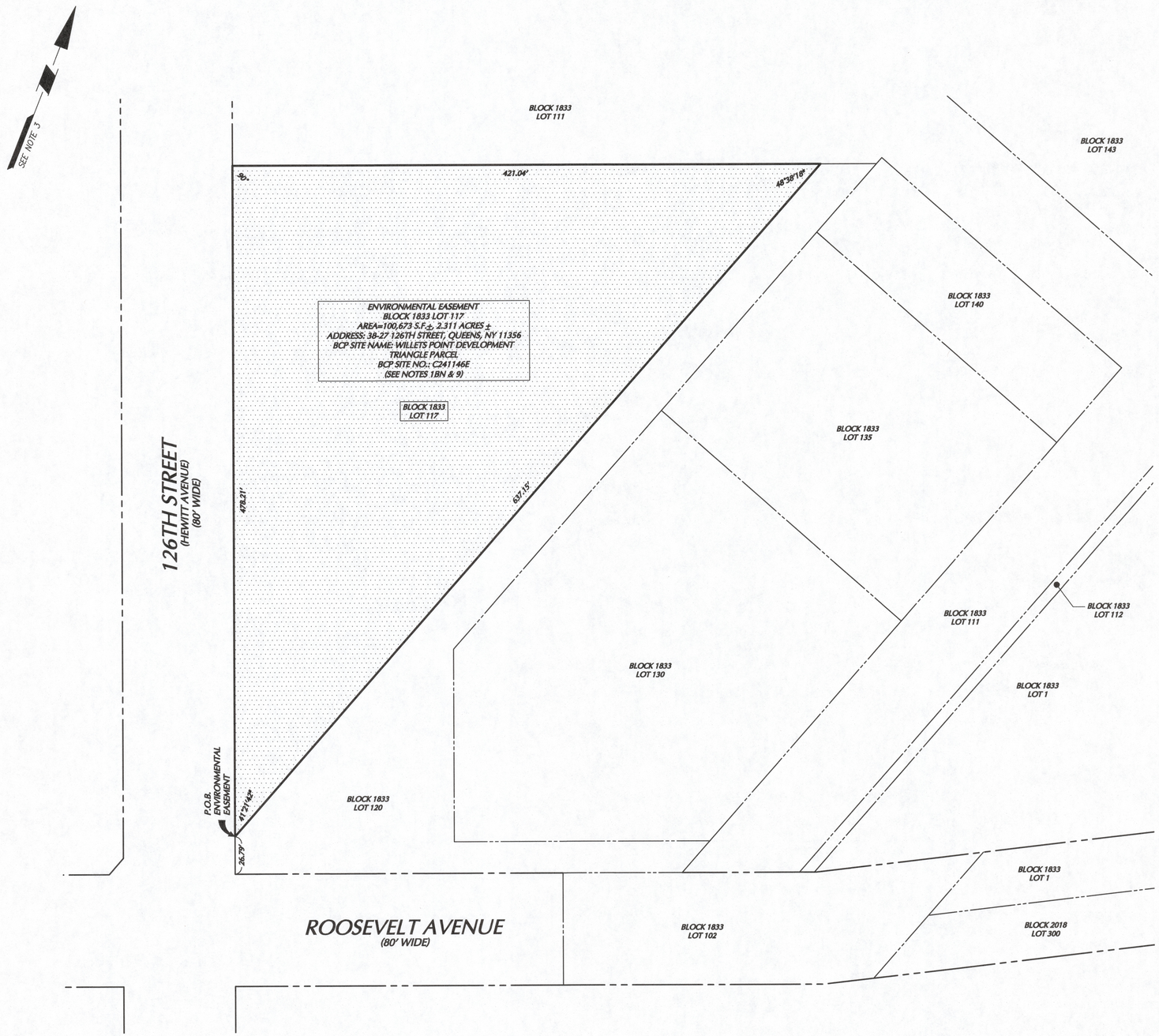
BEGINNING AT A POINT ON THE EASTERLY SIDE OF 126TH STREET (KNOWN AS HEWITT AVENUE) (80 FEET WIDE), DISTANT 26.79 FEET NORTHERLY FROM THE INTERSECTION OF SAID EASTERLY SIDE OF 126TH STREET WITH THE NORTHERLY SIDE OF ROOSEVELT AVENUE (80 FEET WIDE), AND RUNNING, THENCE;

NORTHERLY, ALONG SAID EASTERLY SIDE OF 126TH STREET, A DISTANCE OF 478.21 FEET TO A POINT, THENCE;

EASTERLY, FORMING AN INTERIOR ANGLE OF 90°00'00" WITH THE PREVIOUS COURSE, A DISTANCE OF 421.04 FEET TO A POINT, THENCE;

SOUTHWESTERLY, FORMING AN INTERIOR ANGLE OF 48°38'18" WITH THE PREVIOUS COURSE, A DISTANCE OF 637.15 FEET TO THE POINT OR PLACE OF BEGINNING.

ENCOMPASSING AN AREA OF 100,673 SQUARE FEET OR 2.311 ACRES, MORE OR LESS.



NOTES

1. THIS SURVEY IS BASED UPON EXISTING PHYSICAL CONDITIONS FOUND AT THE SUBJECT SITE, AND THE FOLLOWING REFERENCES:

A. BOROUGH OF QUEENS, SECTIONAL MAP NOS. 39 & 40.
B. BOROUGH OF QUEENS, ALTERATION MAP NO. 5000A.
C. CURRENT NYC DEPARTMENT OF FINANCE TAX MAPS.
D. BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY, TITLED "WILLETS POINT DEVELOPMENT", BY LANGAN, PROJECT NO. 170197610, DRAWING NO. VB101, DATED 10/14/2019, LAST REVISED 09/29/2022.
E. DEED, CRFN 2013000010123, RECORDED 01/09/2013 [BLOCK 1826 LOT 1].
F. DEED, CRFN 2009000100671, RECORDED 04/07/2009 [BLOCK 1826 LOTS 5 AND 14].
G. DEED, CRFN 2017000431256, RECORDED 11/24/2017 [BLOCK 1826 LOT 18 AND BLOCK 1833 LOT 117].
H. DEED, CRFN 2010000328858, RECORDED 09/30/2010 [BLOCK 1826 LOT 20].
I. DEED, CRFN 2009000099914, RECORDED 04/06/2009 [BLOCK 1826 LOTS 31 AND 35– NO DESCRIPTION].
J. CERTIFICATE OF TITLE, BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, TITLE NO. 915300, EFFECTIVE DATE 02/28/2022.
K. CERTIFICATE OF TITLE, BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, TITLE NO. 915302, EFFECTIVE DATE 03/01/2022.
L. DEED, CRFN 2022000026245, RECORDED 01/18/2022 [BLOCK 1823 LOTS 19, 20, 21, 23, 26, 28, 44, 47, 52, AND 55].
M. DEED, CRFN 2011000409213, RECORDED 11/23/2011 [BLOCK 1823 LOTS 19, 20, 21, 23, 26, 28, 44, 40, AND PART OF LOT 33].
N. CORRECTION DEED, CRFN 2015000262435, RECORDED 07/30/2015 [BLOCK 1823 PART OF LOT 33].
O. CERTIFICATE OF TITLE, BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, TITLE NO. 915299, EFFECTIVE DATE 02/20/2022.
P. DEED, CRFN 2009000287325, RECORDED 09/04/2009 [BLOCK 1833 LOTS 155, 158, AND 172].
Q. CERTIFICATE OF TITLE, BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, TITLE NO. 915301, EFFECTIVE DATE 02/15/2022.
R. DEED, CRFN 2009000109051, RECORDED 04/14/2009 [BLOCK 1827 LOT 1].
S. CERTIFICATE OF TITLE, BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, TITLE NO. 915305, EFFECTIVE DATE 03/01/2022.
T. CERTIFICATE OF TITLE, BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, TITLE NO. 915306, EFFECTIVE DATE 02/09/2022.
U. DEED, CRFN 2008000493019, RECORDED 12/31/2008 [BLOCK 1822 LOT 17].
V. CERTIFICATE OF TITLE, BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, TITLE NO. 915307, EFFECTIVE DATE 02/08/2022.
W. DEED, CRFN 2009000316243, RECORDED 09/30/2009 [BLOCK 1820 LOT 9].
X. DEED, CRFN 2009000109029, RECORDED 04/14/2009 [BLOCK 1820 LOT 18].
Y. CERTIFICATE OF TITLE, BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, TITLE NO. 915303, EFFECTIVE DATE 03/04/2022.
Z. DEED, CRFN 2010000355256, RECORDED 10/25/2010 [BLOCK 1824 LOTS 1 AND 12].
AA. DEED, CRFN 2022000026245, RECORDED 01/18/2022 [BLOCK 1824 LOTS 19, 21, 26, 38, AND 40].
AB. DEED, CRFN 2009000211840, RECORDED 07/10/2009 [BLOCK 1824 LOT 28].
AC. DEED, CRFN 2012000460137, RECORDED 11/23/2012 [BLOCK 1824 LOT 33].
AD. DEED, CRFN 2016000025017, RECORDED 01/26/2016 [BLOCK 1824 LOT 45].
AE. DEED, CRFN 2014000197747, RECORDED 06/09/2014 [BLOCK 1824 LOT 53].
AF. DEED, CRFN 2018000059163, RECORDED 02/20/2018 [BLOCK 1824 LOT 100].
AG. CERTIFICATE OF TITLE, BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, TITLE NO. 915304, EFFECTIVE DATE 03/01/2022.
AH. DEED, CRFN 2009000417937, RECORDED 12/21/2009 [BLOCK 1825 LOT 1].
AI. DEED, CRFN 2011000294599, RECORDED 08/19/2011 [BLOCK 1825 LOT 19].
AJ. DEED, CRFN 2014000299022, RECORDED 08/01/2014 [BLOCK 1825 LOT 21].
AK. DEED, CRFN 2010000432461, RECORDED 12/28/2010 [BLOCK 1825 LOTS 25, 28, AND 30].
AL. DEED, CRFN 2009000109008, RECORDED 04/14/2009 [BLOCK 1825 LOT 37 AND BLOCK 1833 LOT 180].
AM. DEED, CRFN 2009000389205, RECORDED 11/27/2009 [BLOCK 1825 LOT 46 AND 48].
AN. DEED, CRFN 2010000388537, RECORDED 11/19/2010 [BLOCK 1825 LOT 53].
AO. DEED, CRFN 2012000113102, RECORDED 03/21/2012 [BLOCK 1825 LOT 55].
AP. DEED, CRFN 2013000085410, RECORDED 03/01/2013 [BLOCK 1825 LOT 58].
AQ. DEED, CRFN 2014000299022, RECORDED 09/09/2014 [BLOCK 1825 LOT 21].
AR. DEED, CRFN 2009000385990, RECORDED 12/03/2009 [BLOCK 1833 LOTS 103 AND 151].
AS. DEED, CRFN 2010000315015, RECORDED 09/17/2010 [BLOCK 1833 LOT 111].
AT. DEED, CRFN 2009000287323, RECORDED 09/04/2009 [BLOCK 1833 PART OF LOT 120].
AU. DEED, CRFN 2009000237329, RECORDED 07/31/2009 [BLOCK 1833 LOT 141 AND PART OF LOT 120].
AV. DEED, CRFN 2011000293338, RECORDED 08/19/2011 [BLOCK 1833 LOT 143].
AW. BOROUGH OF QUEENS, ALTERATION MAP NO. 4236.
AX. "TOPOGRAPHIC SURVEY, WILLETS POINT", BY LANGAN, PROJECT NO. 170504001, DRAWING NO. EX–0101, DATED 11/17/2017.
AY. CERTIFICATE OF TITLE, BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, TITLE NO. 910528, EFFECTIVE DATE 12/07/2017.
AZ. CERTIFICATE OF TITLE BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, TITLE NO. 910527, EFFECTIVE DATE NOT PROVIDED.
BA. CERTIFICATE OF TITLE BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, TITLE NO. 910526, EFFECTIVE DATE 12/13/2017.
BB. CERTIFICATE OF TITLE BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, TITLE NO. 910529, EFFECTIVE DATE 12/07/2017.
BC. MAP TITLED "QUEENS SEWER MAP", PREPARED BY NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF WATER AND SEWER OPERATIONS ENGINEERING, DATED 01/24/2007.
BD. AS–BUILT SURVEY SEWER PLAN AND PROFILE, PREPARED BY CITY OF NEW YORK DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF WATER AND SEWER OPERATIONS ENGINEERING, DIVISION OF REVIEW AND CONSTRUCTION COMPLIANCE POD–003/11, PLAN AND PROFILE, DATED 2019/03/01.
BE. AS–BUILT SURVEY STORM PLAN AND PROFILE–B, PREPARED BY CITY OF NEW YORK DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF WATER AND SEWER OPERATIONS ENGINEERING, DIVISION OF REVIEW AND CONSTRUCTION COMPLIANCE POD–101/10, PLAN AND PROFILE, DATED 2017/11/20.
BF. AS–BUILT STORM PLAN AND PROFILE–II, PREPARED BY STANTEC, RDQ–010/10, SHEET 5 OF 27.
BG. "FINAL SURVEY, WILLETS POINT", BY LANGAN, PROJECT NO. 170368606, DRAWING NO. FS–0102, DATED 03/01/2018.
BH. "PRELIMINARY BOUNDARY & PARTIAL TOPOGRAPHIC SURVEY, WILLETS POINT/ CITIFIELD REDEVELOPMENT PROJECT", BY GALLAS SURVEYING GROUP, DRAWING No. G12092, DATED 09/21/2012.
BI. DEPARTMENT OF PUBLIC WORKS, APPROVAL OF SELECTION AND ACQUISITION OF PROPERTY ON ROOSEVELT AVENUE EAST OF 126TH STREET, QUEENS, REQUIRED FOR RECONSTRUCTION OF FOUNDATIONS OF ELEVATED COLUMNS AND ABUTMENTS OF WEST APPROACH OF ROOSEVELT AVENUE BRIDGE, CAL. NO. 177, DATED 10/03/1956.
BJ. DEPARTMENT OF PUBLIC WORKS, SURRENDER OF PROPERTY ON ROOSEVELT AVENUE EAST OF WILLETS POINT BOULEVARD AND EAST OF 126TH STREET, QUEENS, CAL. NO. 78, DATED 01/08/1960.
BK. BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY TITLED "WILLETS POINT DEVELOPMENT" BY LANGAN, PROJECT NO. 170197605, DRAWING NO. VB102, DATED 04/23/2022.
BL. FINAL SURVEY TITLED "WILLETS POINT DEVELOPMENT" BY LANGAN. PROJECT NO. 170197601, DRAWING NO. FS0101, DATED 05/25/2022, LAST REVISED 07/18/2022.
BM. BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY TITLED "WILLETS POINT DEVELOPMENT" BY LANGAN, PROJECT NO. 170197601, DRAWING NO. VB103, DATED 10/14/2019, LAST REVISED 04/26/2023.
BN. "NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION BROWNFIELD CLEANUP PROGRAM, IN THE MATTER OF A REMEDIAL PROGRAM FOR BROWNFIELD SITE CLEANUP AGREEMENT INDEX NO. C241146E–09–23", WILLETS POINT DEVELOPMENT TRIANGLE PARCEL, DEC SITE NO. C241146E, SIGNED BY ANDREW GUGLIELMI, DIRECTOR, DIVISION OF ENVIRONMENTAL REMEDIATION ON 10/31/2023.
BO. PARTIAL BOUNDARY SURVEY TITLED "WILLETS POINT DEVELOPMENT" BY LANGAN, PROJECT NO. 170197610, DRAWING NO. SK–1, DATED 06/10/2022, LAST REVISED 07/24/2023.

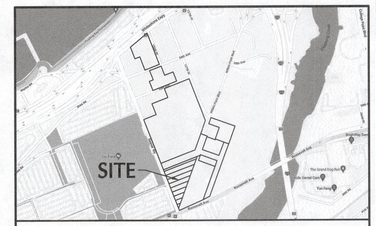
2. THE SURVEYED PROPERTY IS SUBJECT BUT NOT LIMITED TO THE FOLLOWING FACTS AS REVEALED BY THE HEREON REFERENCED INFORMATION. THE INFORMATION SHOWN HEREON DOES NOT CONSTITUTE A TITLE SEARCH BY THE SURVEYOR. ALL INFORMATION THAT MAY AFFECT THE QUALITY OF TITLE TO BOTH THE SUBJECT AND ADJOINING PARCELS SHOULD BE VERIFIED BY AN ACCURATE AND CURRENT TITLE REPORT.
3. THE MERIDIAN OF THIS SURVEY IS REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM NYLI NAD 83 AS ESTABLISHED BY GPS METHODS.
4. STREET NAMES AND R.O.W. WIDTHS AS PER MAP REFERENCED IN NOTE 1A. BLOCK AND LOT NUMBERS AS PER MAP REFERENCED IN NOTE 1C.
5. OFFSETS (IF SHOWN) ARE FOR SURVEY REFERENCES ONLY AND ARE NOT TO BE USED IN CONSTRUCTION OF ANY TYPE.
6. WETLANDS, ENVIRONMENTAL, AND/OR HAZARDOUS MATERIALS LOCATION, IF ANY, NOT COVERED UNDER THIS CONTRACT.
7. UNLESS SPECIFICALLY NOTED HEREON, STORM AND SANITARY SEWER INFORMATION (INCLUDING PIPE INVERT, PIPE MATERIAL, AND PIPE SIZE) WAS OBSERVED AND MEASURED AT FIELD LOCATED STRUCTURES (MANHOLES/CATCH BASINS, ETC.). CONDITIONS CAN VARY FROM THOSE ENCOUNTERED AT THE TIMES WHEN AND THE LOCATIONS WHERE DATA WAS OBTAINED. DESPITE MEETING THE REQUIRED STANDARD OF CARE, THE SURVEYOR CANNOT AND DOES NOT WARRANT THAT PIPE MATERIAL AND/OR PIPE SIZE THROUGHOUT THE PIPE RUN ARE THE SAME AS THOSE OBSERVED AT EACH STRUCTURE, OR THAT THE PIPE RUN IS STRAIGHT BETWEEN THE LOCATED STRUCTURES.

   ADDITIONAL UTILITY (WATER, GAS, ELECTRIC, ETC.) DATA MAY BE SHOWN FROM FIELD LOCATED SURFACE MARKINGS (BY OTHERS), EXISTING STRUCTURES, AND/OR FROM EXISTING DRAWINGS.

   UNLESS SPECIFICALLY NOTED HEREON THE SURVEYOR HAS NOT EXCAVATED TO PHYSICALLY LOCATE THE UNDERGROUND UTILITIES. THE SURVEYOR MAKES NO GUARANTEES THAT THE SHOWN UNDERGROUND UTILITIES ARE EITHER IN SERVICE, ABANDONED OR SUITABLE FOR USE, NOR ARE IN THE EXACT LOCATION OR CONFIGURATION INDICATED HEREON.

   PRIOR TO ANY DESIGN OR CONSTRUCTION THE PROPER UTILITY AGENCIES MUST BE CONTACTED FOR VERIFICATION OF UTILITY TYPE AND FOR FIELD LOCATIONS.

   UNLESS NOTED BELOW SUPPLEMENTAL DOCUMENTS WERE NOT USED TO COMPILE THE SUBSURFACE UTILITY INFORMATION SHOWN HEREON.
8. RECORD EASEMENTS, LIMITING PLANES, AND/OR OTHER ENCUMBRANCES, IF ANY, NOT SHOWN.
9. ADDRESS, BCP SITE NAME, AND BCP SITE NUMBER PER DOCUMENT CITED IN NOTE 1BN.
10. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB–DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.
11. THIS PLAN NOT VALID UNLESS EMBOSSED OR BLUE INK STAMPED WITH THE SEAL OF THE PROFESSIONAL.



PROJECT LOCATION MAP

SCALE: NOT TO SCALE

SOURCE:
HTTPS://WWW.NGS.NOAA.GOV/NGSDATAEXPLORER/

SURVEY DESCRIPTION
ENVIRONMENTAL EASEMENT
BLOCK 1833 LOT 117

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND SITUATE, LYING BEING IN THE BOROUGH AND COUNTY OF QUEENS, CITY AND STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE EASTERLY SIDE OF 126TH STREET (KNOWN AS HEWITT AVENUE) (80 FEET WIDE), DISTANT 26.79 FEET NORTHERLY FROM THE INTERSECTION OF SAID EASTERLY SIDE OF 126TH STREET WITH THE NORTHERLY SIDE OF ROOSEVELT AVENUE (80 FEET WIDE), AND RUNNING, THENCE;

NORTHERLY, ALONG SAID EASTERLY SIDE OF 126TH STREET, A DISTANCE OF 478.21 FEET TO A POINT, THENCE;

EASTERLY, FORMING AN INTERIOR ANGLE OF 90°00'00" WITH THE PREVIOUS COURSE, A DISTANCE OF 421.04 FEET TO A POINT, THENCE;

SOUTHWESTERLY, FORMING AN INTERIOR ANGLE OF 48°38'18" WITH THE PREVIOUS COURSE, A DISTANCE OF 637.15 FEET TO THE POINT OR PLACE OF BEGINNING.

ENCOMPASSING AN AREA OF 100,673 SQUARE FEET OR 2.311 ACRES, MORE OR LESS.

LEGEND (NOT SHOWN TO SCALE)

S.F. — SQUARE FEET
P.O.B. — POINT OF BEGINNING
PROPERTY LINE
RIGHT–OF–WAY LINE
ENVIRONMENTAL EASEMENT

12.192 0 3.048 7.620 12.192
SCALE: 1 INCH = 12.192 METERS

40 0 10 25 40
SCALE: 1 INCH = 40 FEET

THIS PROPERTY IS SUBJECT TO AN ENVIRONMENTAL EASEMENT HELD BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PURSUANT TO TITLE 36 OF ARTICLE 71 OF THE NEW YORK ENVIRONMENTAL CONSERVATION LAW. THE ENGINEERING AND INSTITUTIONAL CONTROLS FOR THIS EASEMENT ARE SET FORTH IN MORE DETAIL IN THE SITE MANAGEMENT PLAN (SMP). A COPY OF THE SMP MUST BE OBTAINED BY ANY PARTY WITH AN INTEREST IN THE PROPERTY. THE SMP CAN BE OBTAINED FROM NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL REMEDIATION, SITE CONTROL SECTION, 625 BROADWAY, ALBANY, NY 12233 OR AT derweb@dec.ny.gov.

Date	Description	No.
REVISIONS		

"I hereby state that this plan is based on a field survey made by me or under my immediate supervision in accordance with NYSPLS Code of Practice for Land Surveys and to the best of my professional knowledge, information and belief, and in my professional opinion, correctly represents the conditions found on the date of the field survey at the subject property".

SIGNATURE — DATE SIGNED
PAUL FISHER
PROFESSIONAL LAND SURVEYOR NY Lic. No. 050784–1

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Project
38-27 126TH STREET, QUEENS, NY 11356
BCP SITE NAME: WILLETS POINT DEVELOPMENT TRIANGLE PARCEL
BCP SITE NO.: C241146E
BLOCK No. 1833, LOT No. 117
BOROUGH OF QUEENS
CITY OF NEW YORK
QUEENS COUNTY NEW YORK

Drawing Title
ENVIRONMENTAL EASEMENT SURVEY

Project No.	Drawing No.
170197605	DEC106
Date: 01/25/2024	
Drawn By: LB	
Checked By: PDF	Sheet 01 of 01

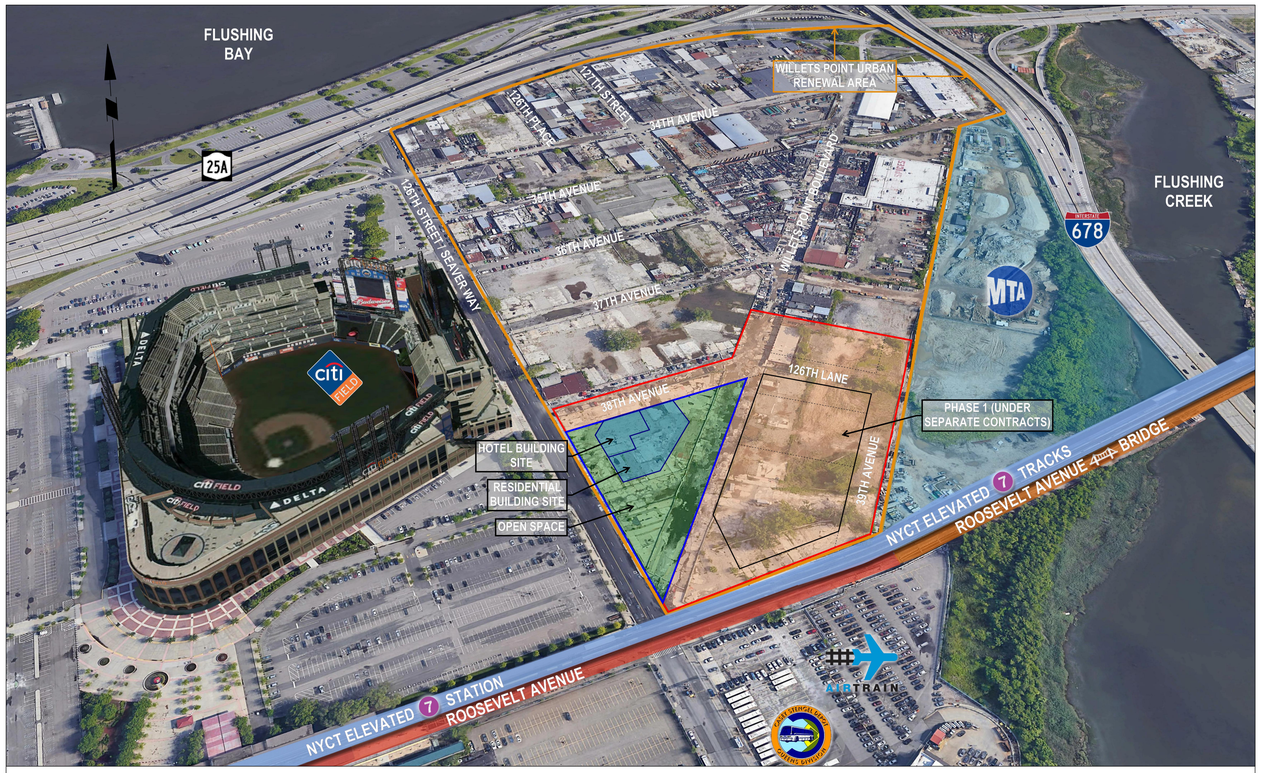
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PROJECT NO. 170197605

APPENDIX B

PROPOSED DEVELOPMENT PLANS

WILLETS POINT PHASE 2 - TRIANGLE PARCEL OPEN SPACE
FILL AND UTILITY PACKAGE



WILLETS POINT AERIAL MAP

NOT TO SCALE

DRAWING	SHEET #	TITLE	DOB FILING
		LANGAN	
C-001.00	1	COVER	P,S, X
C-003.00	2	FEMA FLOOD INSURANCE RATE MAPS	
C-004.00	3	NOTES	
C-005.00	4	TRANSIT NOTES	
C-100.00	5	MONITORING WELL LOCATION PLAN	
C-110.00	6	FENCE PLAN	
C-201.00	7	SOIL EROSION & SEDIMENT CONTROL 1A	
C-210.00	8	SOIL EROSION & SEDIMENT CONTROL DETAILS	
C-300.00	9	INTERIM GRADING PLAN	
C-301.00	10	INTERIM TOP OF WALL ELEVATIONS	
C-310.00	11	DRAINAGE PLAN	
C-311.00	12	DRAINAGE PLAN 126TH STREET	
C-312.00	13	DRAINAGE PLAN OPEN SPACE PLAZA	
C-313.00	14	DRAINAGE AND UTILITY PLAN SCOPE EXHIBIT	
C-314.00	15	ADD ALTERNATE DRAINAGE PLAN	
C-315.00	16	ADD ALTERNATE DRAINAGE PLAN 126TH STREET	
C-316.00	17	ADD ALTERNATE DRAINAGE PLAN OPEN SPACE PLAZA	
C-317.00	18	ADD ALTERNATE DRAINAGE AND UTILITY PLAN SCOPE EXHIBIT	
C-320.00	19	UTILITY PLAN	
C-400.00	20	SECTIONS	
C-410.00	21	SITE DETAILS	
C-411.00	22	SITE DETAILS	
C-412.00	23	SITE DETAILS	
C-413.00	24	ADD ALTERNATE SITE DETAILS	

DRAWING	SHEET #	TITLE	DOB FILING
		(STRUCTURAL ARCHITECTURE)	
FO-001	1	FOUNDATION GENERAL NOTES	
FO-002	2	NYC TRANSIT GENERAL NOTES	
FO-101	3	PLATFORM FOUNDATION PLAN WITH BACKGROUNDS	
FO-110	4	TYPICAL FOUNDATION DETAILS	
FO-111	5	FOUNDATION SECTIONS AND DETAILS	
FO-112	6	FOUNDATION SECTIONS AND DETAILS COPY 1	
FO-113	7	FOUNDATION SECTIONS AND DETAILS	
FO-114	8	SECONDARY PLATFORM PART PLANS	
FO-120	9	PLATFORM FOUNDATION PLAN - A	
FO-121	10	PLATFORM FOUNDATION PLAN - B	
FO-122	11	PLATFORM FOUNDATION PLAN - C	

DRAWING	SHEET #	TITLE
		MFPF- FOR REFERENCE
L-100.00	1	SITE LAYOUT PLAN
L-200.00	2	SITE GRADING PLAN
L-300.00	3	SITE PLANTING PLAN
L-400.00	4	SITE MATERIAL PLAN
L-402.00	5	SITE LIGHTING PLAN
L-510.00	6	GROUND FLOOR ELEVATION

Date	Description	No.
Revisions		

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.

SIGNATURE DATE SIGNED

MICHELE O'CONNOR
PROFESSIONAL ENGINEER NY Lic. No. 086302

CLIENT:
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RELATED COMPANIES
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STERLING EQUITIES
STERLING EQUITIES
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GREAT NECK, NY 11021
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Project
WILLETS POINT
PHASE 2 - TRIANGLE
PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
COVER

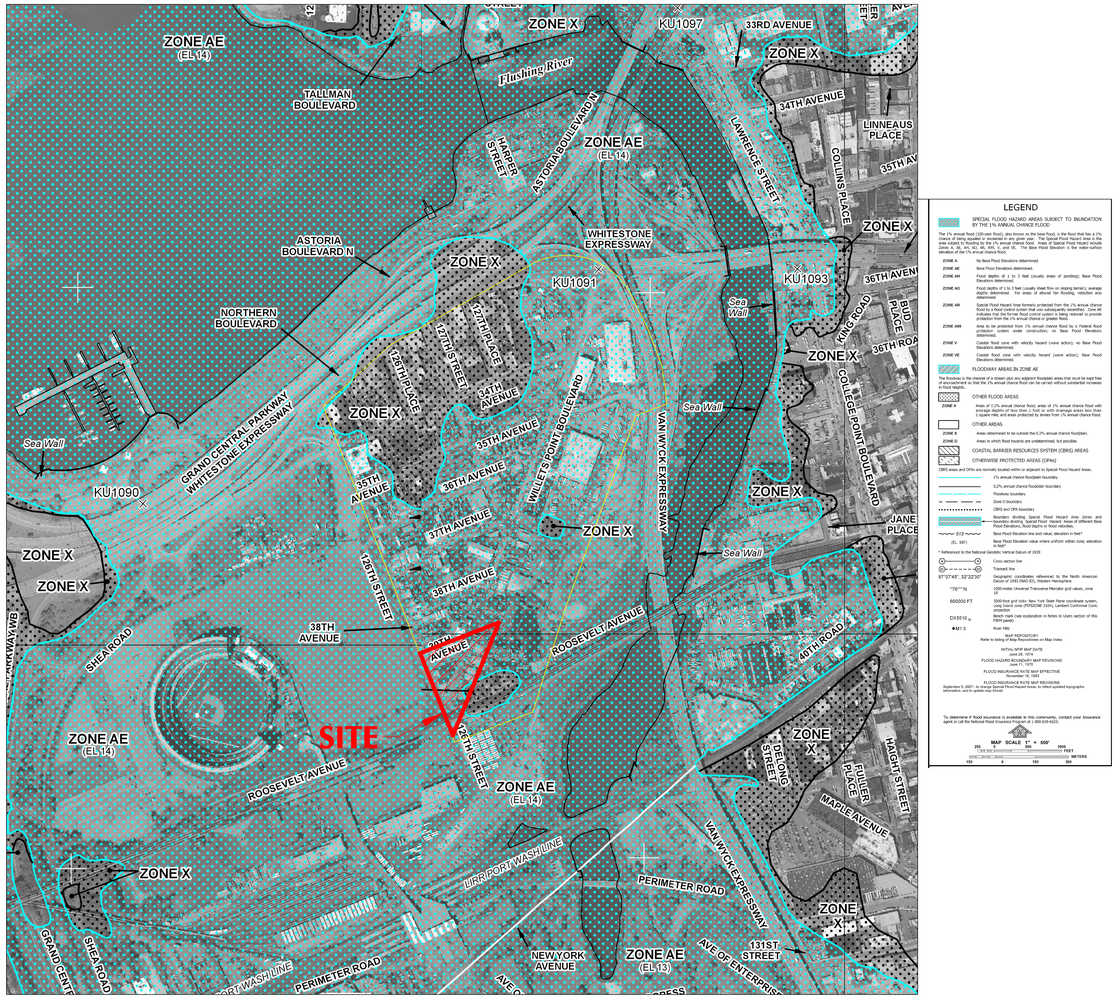
Project No.	Drawing No.
170197675	C-001.00
Date: 2/14/2025	
Drawn By: VL/PK	
Checked By: EG	Sheet 1 of 24

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Project No. 170197675

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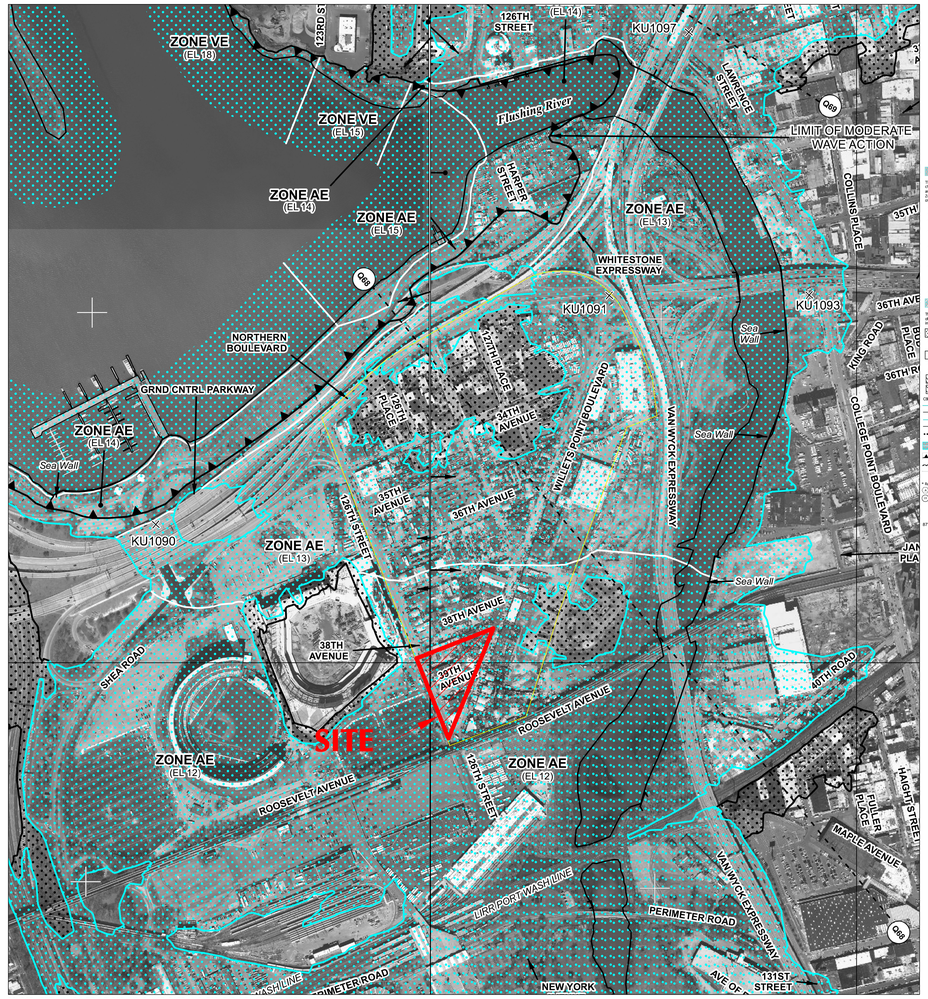
2007 EFFECTIVE FLOOD INSURANCE RATE MAP

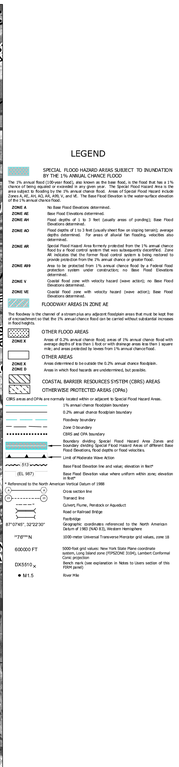


SOURCE: EFFECTIVE FIRM FLOOD INSURANCE RATE MAP FOR THE CITY OF NEW YORK, NEW YORK: PANELS 113 AND 114 OF 457; MAP NUMBERS 3604970113F AND 3604970114F; REVISED SEPTEMBER 5, 2007

PHASE 2 PROJECT SITE
1% ANNUAL CHANCE FLOOD ELEVATION (ZONE AE)
= 14 NGVD29 (= 12.9 NAVD88)

2013 PRELIMINARY FLOOD INSURANCE RATE MAP





SOURCE: PRELIMINARY FIRM FLOOD INSURANCE RATE MAP FOR THE CITY OF NEW YORK, NEW YORK: PANELS 113 AND 114 OF 457; MAP NUMBERS 3604970113G AND 3604970114G; REVISED DECEMBER 5, 2013

PHASE 2 PROJECT SITE
1% ANNUAL CHANCE FLOOD ELEVATION (ZONE AE)
= 12 NAVD88

GENERAL NOTES:
1. THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) IS 1.1 FEET ABOVE THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).
2. ELEVATIONS SHOWN ON THE EFFECTIVE FLOOD INSURANCE RATE MAP ARE REFERENCED TO NGVD29.
3. ELEVATIONS SHOWN ON THE PRELIMINARY FLOOD INSURANCE RATE MAP ARE REFERENCED TO NAVD88.

Date	Description	No.
Revisions		

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SIGNATURE DATE SIGNED
MICHELE O'CONNOR
PROFESSIONAL ENGINEER NY Lic. No. 086302

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RELATED COMPANIES
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CLIENT:
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Project
WILLETS POINT
PHASE 2 - TRIANGLE PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
FLOOD MAP

Project No.	Drawing No.
170197645	C-003.00
Date: 2/14/2025	
Drawn By: VL/PK	
Checked By: EG	Sheet 2 of 24

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Project No. 170197675

GENERAL NOTES:

1. EXISTING TOPOGRAPHIC, BOUNDARY AND UTILITY INFORMATION AS SHOWN ON THESE CONTRACT DOCUMENT(S) ARE BASED ON SURVEY PREPARED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C, DATED 10/14/2019, LAST REVISED 07/28/2023.

2. ELEVATIONS SHOWN ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). ACTUAL SITE CONDITIONS MAY VARY FROM THOSE ENCOUNTERED AT THE TIME THE SURVEY DATA SHOWN HEREON WAS OBTAINED.

3. LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C. CANNOT AND DOES NOT REPRESENT THE ACCURACY OF THE UTILITY INFORMATION SHOWN ON THE REFERENCED PLAN. LANGAN DOES NOT REPRESENT THAT THE UNDERGROUND UTILITIES SHOWN HEREON ARE IN SERVICE, ABANDONED, SUITABLE FOR USE OR ARE OF THE EXACT TYPE, SIZE, LOCATION (HORIZONTAL AND VERTICAL) OR CONFIGURATION INDICATED HEREON, NOR COMPRISE ALL THE UTILITIES WITHIN THE SUBJECT AREA.

4. THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE CONTRACTOR SHALL MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD VERIFY EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS AND RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY (WATER, SEWER, GAS, ELECTRIC, TELEPHONE, CABLE AND FDNY COMMUNICATIONS CABLE) LOCATIONS, TYPES, INVERTS AND CONDITIONS PRIOR TO CONSTRUCTION. ANY CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN ON THE DRAWINGS AND REQUIRING MODIFICATIONS TO THE SITE DESIGN SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE CONSTRUCTION. DIFFERING UTILITY CONDITIONS THAT ARE ENCOUNTERED BY THE CONTRACTOR, THAT REQUIRE MODIFICATION OF SITE DESIGN AND THAT ARE NOT BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CORRECT AT HIS SOLE COST.

5. THE OWNER MAKES NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY AVAILABLE INFORMATION WHICH WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL MAKE ADDITIONAL TOPOGRAPHIC SURVEYS HE DEEMS NECESSARY, PROVIDED THEY ARE COORDINATED WITH THE OWNER. ANY FAILURE OF THE CONTRACTOR TO GIVE WRITTEN NOTICE TO THE OWNER OF CONDITIONS THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR ESTIMATING PROPERLY THE DIFFICULTY AND COST OF SUCCESSFULLY PERFORMING THE WORK, OR FOR PROCEEDING TO SUCCESSFULLY PERFORM THE WORK WITHOUT ADDITIONAL EXPENSE TO THE OWNER.

6. THE CONTRACTOR SHALL, WHEN THEY DEEM NECESSARY, PROVIDE A WRITTEN REQUEST FOR INFORMATION (RFI) TO THE OWNER AND/OR OWNER'S DESIGNATED REPRESENTATIVE, AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITEWORK ITEM. THE RFI SHALL BE IN A FORM ACCEPTABLE TO OWNER AND/OR OWNER'S DESIGNATED REPRESENTATIVE, AND ENGINEER AND SHALL ALLOW FOR A MINIMUM OF THREE WORK DAYS FOR A WRITTEN REPLY. RFIS SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMITTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITEWORK ITEMS CONSTRUCTED DIFFERENTLY THAN INTENDED OR AS DEPICTED ON THE PLAN.

7. INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUFFICIENTLY REVIEW ALL PLANS, PROFILES, AND ANY OTHER INFORMATION IN THE CONTRACT DOCUMENTS FOR CONSISTENCY PRIOR TO BID. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND BY THE CONTRACTOR OR HIS ASSIGNS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER IN WRITING, IN THE FORMAT OF AN RFI PRIOR TO BID.

8. THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL THESE DOCUMENTS.

9. CONTRACTOR IS SPECIFICALLY CAUTIONED THAT ALL CONSTRUCTION STAKEOUT FOR THIS PROJECT MUST BE COMPLETED FROM THE SITE SPECIFIC SURVEY CONTROL (HORIZONTAL AND VERTICAL) UPON WHICH THE DESIGN IS BASED. THE CONTRACTOR SHOULD NOT RELY ON OR RE-ESTABLISH SURVEY CONTROL BY GPS OR OTHER METHODS FOR USE IN CONSTRUCTION STAKEOUT OR ANY OTHER PURPOSE FOR THIS PROJECT. ANY DISCREPANCIES BETWEEN THE EXISTING HORIZONTAL OR VERTICAL DATA SHOWN ON THESE DRAWINGS AND THAT ENCOUNTERED IN THE FIELD MUST BE REPORTED TO THE DESIGN TEAM PRIOR TO CONSTRUCTION FOR RESOLUTION.

10. THE CONTRACTOR SHALL, WITHOUT ADDITIONAL EXPENSE TO THE OWNER, BE RESPONSIBLE FOR OBTAINING ANY NECESSARY LICENSES AND PERMITS, AND FOR COMPLYING WITH ANY FEDERAL, STATE, AND MUNICIPAL LAWS, CODES, AND REGULATIONS APPLICABLE TO THE PERFORMANCE OF THE WORK.

11. THE CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING IMPROVEMENTS AND UTILITIES AT OR NEAR THE WORK SITE AND ON ADJACENT PROPERTY OF A THIRD PARTY, THE LOCATIONS OF WHICH ARE MADE KNOWN TO OR SHOULD BE KNOWN BY THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO THOSE FACILITIES, INCLUDING THOSE THAT ARE THE PROPERTY OF A THIRD PARTY, RESULTING FROM FAILURE TO EXERCISE REASONABLE CARE IN PERFORMING THE WORK. IF THE CONTRACTOR FAILS OR REFUSES TO REPAIR THE DAMAGE PROMPTLY, THE OWNER MAY HAVE THE WORK PERFORMED AND CHARGE THE COST TO THE CONTRACTOR.

12. ALL EXISTING SUBSURFACE UTILITIES WITHIN THE LIMIT OF WORK SHALL REMAIN UNLESS REMOVAL OF THE SAME IS SPECIFICALLY NOTED ON THE DEMOLITION PLAN. IF ABANDONED PIPES ARE ENCOUNTERED DURING EXCAVATION, THE CONTRACTOR SHALL REMOVE THE PIPE IN THE AREA OF EXCAVATION AND PLUG AT EACH END OF THE EXCAVATION. CONTRACTOR SHALL ENSURE THAT THE PIPE IS ABANDONED BEFORE ATTEMPTING THIS OPERATION.

13. WHERE NEW CONSTRUCTION ABUTS EXISTING PAVEMENTS, CURBS, OR WALLS, THE EXISTING MATERIALS SHALL BE CLEANLY SAW-CUT TO PROVIDE A CLEAN, NEAT MATCH AND A SMOOTH, FLUSH TRANSITION.

14. THE CONTRACTOR SHALL REPLACE ANY EXISTING CURBS, FENCING, OR PAVEMENTS THAT WERE INTENDED TO REMAIN BUT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION. IF REPLACEMENT IS NECESSARY, IT SHALL BE DONE AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE OWNER.

15. THE CONTRACTOR SHALL DISPOSE OF ALL ITEMS AND MATERIALS REMOVED AND NOT SALVAGED, INCLUDING ALL EXCAVATED MATERIAL, OFF-SITE AND IN A LEGAL MANNER.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVISION OF SHORING, BRACING, AND DEWATERING IF EXISTING CONDITIONS WARRANT SUCH. WORK SHALL BE PERFORMED IN ACCORDANCE WITH OSHA REQUIREMENTS.

17. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE SITE OWNER AND OPERATOR, INCLUDING SOIL EROSION AND SEDIMENT CONTROLS, ENVIRONMENTAL CONTROLS, ETC.

18. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH OTHER CONTRACTORS OPERATING ON-SITE. NO ADDITIONAL COMPENSATION WILL BE MADE FOR DELAY CLAIMS RELATED TO THE WORK OF OTHER CONTRACTORS.

19. REFER TO THE CONTRACT DOCUMENTS FOR:
    - 19.1. PHASE I/II REPORTS
    - 19.2. RAWP
    - 19.3. SMP
    - 19.4. PROJECT SCHEDULE
    - 19.5. MS4 CONSTRUCTION PERMIT

20. ALL WORK TO COMPLY WITH RELEVANT PERMIT DRAWINGS INCLUDING PROJECT SITE CONNECTION PROPOSAL, STORMWATER POLLUTION PREVENTION PLAN, INTERNAL WATER MAIN APPLICATION, AND CROSS CONNECTION APPLICATION.

21. ALL WORK OF THIS CONTRACT SHALL BE PERFORMED IN ACCORDANCE WITH NYS DEC APPROVED REMEDIAL ACTION WORK PLAN (RAWP), SITE MANAGEMENT PLAN, AND PROJECT SPECIFICATIONS.

22. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WORK WITH ADJACENT PROPERTIES AND PROJECTS, INCLUDING BUT NO LIMITED TO CITI FIELD (BASEBALL SEASON AND EVENT-DAY STIPULATIONS), NYCT BUS OPERATIONS (CASEY STENGEL BUS DEPOT SOUTH OF ROOSEVELT AVENUE AT 126TH STREET), NYCT EXTERNAL PARTNER PROGRAM (OVERHEAD SUBWAY STRUCTURE), PORT AUTHORITY (AIRTRAIN DEVELOPMENT SOUTH OF ROOSEVELT), AND THE CONTRACTORS PERFORMING OFF-SITE UTILITY INFRASTRUCTURE IMPROVEMENTS IN 126TH STREET. EXPECT LIMITED RIGHT-OF-WAY WORK ON EVENT DAYS AT CITI FIELD, AND POSSIBLE WORK HOUR/WORK DAY RESTRICTIONS ON 126TH STREET / SEAVER WAY.

NEW YORK CITY DEPARTMENT OF BUILDING NOTES

1. ALL WORK SHALL BE SUBJECT TO SPECIAL INSPECTION AS REQUIRED BY THE 2014 NEW YORK CITY BUILDING CODE.

2. EXCAVATION AND FILL OPERATIONS SHALL BE CONDUCTED IN A MANNER THAT LIFE AND PROPERTY ARE NOT ENDANGERED AS PER SECTION 3304.2 OF THE NEW YORK CITY BUILDING CODE.

3. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF BUILDINGS AND ADJACENT PROPERTY OWNERS 24 TO 48 HOURS PRIOR TO COMMENCING EXCAVATION PER SECTION 3304.3.1 AND 3304.3.2 OF THE NEW YORK CITY BUILDING CODE.

4. ALL SIDES OR SLOPES OF EXCAVATIONS OR EMBANKMENTS SHALL BE INSPECTED AFTER RAINSTORMS OR AND OTHER HAZARD-INCREASING EVENT, AND SAFE CONDITIONS SHALL BE RESTORED AS PER SECTION 3304.2 OF THE NEW YORK CITY BUILDING CODE.

5. EXCAVATIONS SHALL BE DRAINED AND DRAINAGE SHALL BE MAINTAINED USING PUMPING AS REQUIRED PER SECTION 3304.8 OF THE NEW YORK CITY BUILDING CODE. WHERE PUMPING IS REQUIRED, PERMITS SHALL BE OBTAINED BY THE CONTRACTOR FROM THE AGENCY HAVING JURISDICTION.

SITE REMOVAL NOTES:

1. GENERAL SITE DEMOLITION WAS PERFORMED AS PART OF REMEDIATION ACTIVITIES. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF UTILITIES ENCOUNTERED WHILE PERFORMING THE WORK AS INDICATED IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE IDENTIFICATION OF UTILITIES TO REMAIN IN PLACE WITH THE OWNER AND PROVIDE ADEQUATE MEANS OF SUPPORT AND PROTECTION DURING THE WORK.

2. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE CUTTING AND REMOVAL OF PAVEMENT AND/OR EARTHWORK AS REQUIRED FOR EXECUTION OF THE WORK.

3. DEMOLITION SHALL MEAN THE SELECTIVE REMOVAL AND SUBSEQUENT OFF SITE DISPOSAL OF PORTIONS OF THE EXISTING SITE AS INDICATED IN THE CONTRACT DOCUMENTS AND/OR AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.

4. THE CONTRACTOR SHALL PROVIDE A SCHEDULE AND PROPOSED SEQUENCE OF DEMOLITION OPERATIONS FOR THE OWNER'S AND NYC DEPARTMENT OF BUILDING'S REVIEW. COORDINATE SHUTOFF, CAPPING, AND CONTINUATION OF UTILITY SERVICES, AS REQUIRED, TOGETHER WITH DETAILS FOR DUST AND NOISE CONTROL, PROTECTION, AND SEDIMENTATION AND EROSION CONTROLS.

5. THE CONTRACTOR SHALL PROVIDE TEMPORARY BARRICADES AND OTHER FORMS OF PROTECTION TO PROTECT GENERAL PUBLIC FROM INJURY DUE TO DEMOLITION WORK.

6. THE CONTRACTOR SHALL PROTECT FROM DAMAGE EXISTING FEATURES AND STRUCTURES THAT ARE TO REMAIN IN PLACE DURING DEMOLITION OPERATIONS.

7. THE CONTRACTOR SHALL MAINTAIN EXISTING UTILITIES UNLESS OTHERWISE NOTED, AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS. REMOVE ABANDONED UTILITIES AND DISCONNECTED UTILITY SERVICES AS INDICATED. LOCATE, IDENTIFY, AND CUT AND CAP AT POINT OF UTILITY SERVICE CONNECTION TO SITE.

8. THE CONTRACTOR SHALL TRANSPORT SITE DEBRIS TO A FACILITY PERMITTED TO ACCEPT RUBBISH, AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS. IF CONTAMINATED MATERIALS ARE ENCOUNTERED DURING DEMOLITION, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY AND SHALL COMPLY WITH APPLICABLE REGULATIONS, LAWS, AND ORDINANCES CONCERNING NOTIFICATION AND REPORTING, REMOVAL, HANDLING, TRANSPORT, AND DISPOSAL.

9. EXCAVATING, HANDLING, REMOVAL, AND DISPOSAL OF EXCAVATED MATERIAL AND IMPORT OF ANY BACKFILL MATERIAL SHALL BE IN COMPLIANCE WITH THE AUGUST 30, 2024 SITE MANAGEMENT PLAN PREPARED BY LANGAN.

10. THE CONTRACTOR SHALL PROVIDE DUST/SAFETY BARRIERS AROUND THE ENTIRE PERIMETER OF THE SITE. BARRIER TO COMPLY WITH ALL RELEVANT NYC BUILDING CODES. DUST CONTROL MEASURES SHALL BE IMPLEMENTED PER THE NYSDEC STORMWATER POLLUTION PREVENTION PLAN FOR CONSTRUCTION ACTIVITIES.

11. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TREE PROTECTION ON ALL EXISTING TREES WITHIN THE LIMITS OF CONSTRUCTION, UNLESS OTHERWISE INDICATED.

12. WHERE DEMOLITION WORK ABUTS EXISTING PAVEMENTS, CURBS OR WALLS THAT ARE TO REMAIN, THE EXISTING MATERIALS SHALL BE CLEANLY SAWCUT TO PROVIDED A CLEAN, NEAT MATCH AND A SMOOTH, FLUSH TRANSITION.

13. PRIOR TO ANY EXCAVATION, THE DEMOLITION CONTRACTOR SHALL ENGAGE AN INDEPENDENT UTILITY MARK-OUT COMPANY TO IDENTIFY ALL BELOW GRADE UTILITIES WITHIN THE CONSTRUCTION AREA LIMIT OF WORK. EXCAVATION MAY NOT TAKE PLACE UNTIL ALL UNDERGROUND UTILITIES ARE LOCATED AND IDENTIFIED.

14. ALL VOIDS FROM DEMOLITION WORK INCLUDING BUT NOT LIMITED TO REMOVED FOUNDATIONS, CONCRETE SLABS, PITS, AND UTILITIES SHALL BE BACKFILLED WITH SUITABLE IMPORTED FILL TO A FINISH GRADE ELEVATION THAT IS LEVEL WITH ADJACENT PAVEMENT AND SIDEWALKS. GRADING SHALL BE DONE TO MAINTAIN POSITIVE DRAINAGE AWAY FROM EXISTING BUILDINGS.

SOIL EROSION AND SEDIMENT CONTROL NOTE:

1. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND THE MS4 STORMWATER CONSTRUCTION PERMIT REGARDING SOIL EROSION AND SEDIMENT CONTROL MEASURES.

UTILITY NOTES:

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS IN A MANNER WHICH WILL NOT NEGATIVELY AFFECT ANY EXISTING USERS OF THESE UTILITIES.

2. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND MECHANICAL AND PLUMBING ENGINEER'S PLANS AND SPECIFICATIONS FOR LOCATIONS OF ALL UTILITY ENTRANCES INCLUDING BUT NOT LIMITED TO SANITARY SEWER LATERALS, STORM SEWER, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRICAL, TELEPHONE, CABLE AND GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS AND LOCATIONS ARE ACHIEVED AS WELL AS COORDINATING WITH THE UTILITY AGENCIES FOR APPROVAL OF UTILITY LOCATIONS AND SCHEDULING OF CONNECTIONS TO THEIR FACILITIES.

3. ALL UTILITIES SHALL BE CONSTRUCTED UNDERGROUND.

4. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NYCDEP RULES, REGULATIONS AND REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR HEALTH AND SAFETY DURING THEIR WORK INCLUDING BUT NOT LIMITED TO DUST CONTROL.

5. THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THE PLANS IS BASED ON INFORMATION AVAILABLE WHEN THESE PLANS WERE PREPARED. EXACT LOCATIONS SHALL BE CONFIRMED IN THE FIELD AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.

6. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE HIS OPERATIONS WITH THE VARIOUS COMPANIES OR AGENCIES WHOSE INTERESTS ARE AFFECTED BY THIS PROJECT.

7. ALL UNDERGROUND STORMWATER SYSTEMS SHALL BE INSTALLED TO RESIST BUOYANCY. CONTRACTOR TO PROVIDE SUBMITTALS AND SHOP DRAWINGS FOR STORMWATER MANAGEMENT AND SITE DRAINAGE SYSTEMS.

WATER NOTES:

1. MONITORING OF THE EXISTING 72-INCH WATER MAINS IN DEMAPPED WILLETS POINT BOULEVARD AND 126TH STREET (SEAVER WAY) WILL BE REQUIRED IN ACCORDANCE WITH NYC DEP SPECIFICATIONS.

2. ALL WATER MAINS, LATERALS, VALVES AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH NYC DEP BUREAU OF WATER AND NYC BUILDING DEPARTMENT REQUIREMENTS. ALL WATER MAINS ARE TO HAVE A MINIMUM COVER OF 3 FEET FROM THE TOP OF THE PIPE TO THE PROPOSED SURFACE ELEVATIONS.

3. ALL FIRE HYDRANTS SHALL CONFORM TO THE SPECIFICATIONS OF THE NEW YORK CITY BUREAU OF WATER AND NEW YORK CITY FIRE DEPARTMENT.

4. ALL NEW WATER LINES SHALL BE HYDROSTATICALLY PRESSURE TESTED IN ACCORDANCE WITH NYC DEP REQUIREMENTS AND IN THE PRESENCE OF THE ENGINEER OR HIS REPRESENTATIVE.

5. ALL NEW WATER LINES SHALL BE DISINFECTED BEFORE BEING PUT INTO SERVICE AND CONNECTION MADE TO EXISTING PIPE AS REQUIRED BY DEPARTMENT OF ENVIRONMENTAL PROTECTION, DEPARTMENT OF BUILDINGS, AND DEPARTMENT OF HEALTH. NO TAPS WILL BE INSTALLED UNTIL WATER SAMPLES WILL PASS THE LAB TEST.

6. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR CONSTRUCTION AND SUPPLY EQUIPMENT FOR ALL TESTS ON WATER MAINS.

7. ALL WORK SHALL BE IN ACCORDANCE WITH DEP APPROVED INTERNAL WATER MAIN PLANS AND DEP STANDARD DETAILS AND SPECIFICATIONS.

8. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL BFP ASSEMBLIES WITH ALL ACTUAL DIMENSIONS OF PROPOSED PRODUCTS FOR REVIEW AND APPROVAL PRIOR TO PURCHASING THE PRODUCTS.

9. CONTRACTOR SHALL PROVIDE HEATING AND LIGHTING WHERE BFP ASSEMBLIES ARE LOCATED. CONTRACTOR IS RESPONSIBLE FOR CONNECTING TO SITE POWER.

GROUNDWATER CONTROL NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND OPERATION OF THE DEWATERING SYSTEM, INCLUSIVE OF TREATMENT AND COMPLIANCE MONITORING/SAMPLING, REQUIRED TO COMPLETE THE WORK IN THESE CONTRACT DOCUMENTS.

2. CONTRACTOR WILL COMPLY WITH DEWATERING PERMIT AND PERFORM DEWATERING AS NEEDED. THIS CONTRACTOR WILL ASSUME THAT THE OWNER/OWNER'S REPRESENTATIVE WILL HOLD DEWATERING PERMITS AND ASSIGN THE PERMIT TO THIS CONTRACTOR AS NEEDED. PERMIT RENEWAL WILL BE THE RESPONSIBILITY OF OWNER/OWNER'S REPRESENTATIVE. THIS CONTRACTOR WILL SUPPORT PERMIT RENEWAL BY OWNER/OWNER'S REPRESENTATIVE AS NEEDED.

3. REFER TO THE RAWP AND SWPPP FOR GROUNDWATER REMEDIATION METHODS AND STORMWATER CONTROL METHODS.

4. CONTRACTOR MUST MANAGE GROUNDWATER AND STORMWATER TO COMPLETE EXCAVATION AND BACKFILLING, INCLUSIVE OF ALLOWING THE ENGINEER TO COLLECT DOCUMENTATION SAMPLES.

5. GROUNDWATER CAN FLUCTUATE SEASONALLY AND LOCALLY.

CONSTRUCTION PREPARATION AND EMERGENCY ACTION PLAN:

1. THE CONTRACTOR SHALL CONTACT THE FOLLOWING PEOPLE 72 HOURS PRIOR TO THE START OF WORK:
    - 1.1. NYC DEP – MICHAEL SULLIVAN, P.E., CHIEF, CONSTRUCTION AND ENGINEERING, AT 718-595-5620
    - 1.2. NYCT – LIONEL SAINT LOUS, P.E., ASSISTANT CHIEF OFFICER, INSPECTIONS AND EMERGENCY RESPONSE, MOW ENGINEERING, AT 347-672-2448.

2. IN CASE OF EMERGENCY (I.E. COMPROMISED OR DAMAGED UTILITIES) DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL IMMEDIATELY STABILIZE AREA AND CONTACT ALL PARTIES IDENTIFIED BELOW. WORK WILL NOT RESUME UNTIL AN APPROPRIATE REMEDIATION IS AGREED UPON BY THE INVOLVED PARTIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY DAMAGE TO STRUCTURES RESULTING FROM THEIR WORK.
    - 2.1. NYC DEP – MICHAEL SULLIVAN, P.E., CHIEF, CONSTRUCTION AND ENGINEERING, 718-694-5620 OR SULLIVANM@DEP.NYC.GOV
    - 2.2. OFF BUSINESS HOURS: NYCDEP ECC AT 212-689-1520
    - 2.3. NYCT – LIONEL SAINT LOUS, P.E., ASSISTANT CHIEF OFFICER, INSPECTIONS AND EMERGENCY RESPONSE, MOW ENGINEERING, AT 347-672-2448
    - 2.4. LANGAN – MICHELE O'CONNOR, P.E., SENIOR PRINCIPAL/SENIOR VP, AT 212-479-5414

3. SHOULD A CONTINGENCY PLAN NEED TO BE ACTIVATED, DEP WILL OPERATE ITS VALVES; THE CONTRACTOR WILL NOT OPERATE THE DEP VALVES UNLESS AN ONSITE DEP INSPECTOR APPROVES AND OVERSEES IT.

4. THE ADDRESS AND TELEPHONE NUMBER OF THE NEAREST HOSPITAL:
   NEW YORK HOSPITAL QUEENS
   56-45 MAIN STREET
   FLUSHING, NEW YORK
   718-670-1213

5. THE FOLLOWING SAFE WORK PRACTICES SHALL BE FOLLOWED BY FIELD PERSONNEL AND THE CONTRACTOR BEFORE AND DURING SUBSURFACE WORK IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS:
    - 5.1. MARK THE PROPOSED AREA OF SUBSURFACE DISTURBANCE.
    - 5.2. ENSURE THAT THE UTILITY MARK-OUT SYSTEM (ONE-CALL: 811) HAS BEEN NOTIFIED.
    - 5.3. ENSURE THAT EXISTING UTILITIES ARE IDENTIFIED BEFORE BEGINNING SUBSURFACE WORK.
    - 5.4. FIELD PERSONNEL SHALL MAINTAIN APPROPRIATE CLEARANCE FROM ALL EQUIPMENT PERFORMING SUBSURFACE WORK.

6. PROJECT PERSONNEL SHALL ASSUME ALL ELECTRICAL EQUIPMENT AT SURFACE, SUBSURFACE, AND OVERHEAD LOCATIONS IS ENERGIZED, UNLESS EQUIPMENT HAS BEEN CONFIRMED AS DE-ENERGIZED BY A UTILITY COMPANY REPRESENTATIVE. NO PROJECT WORK SHALL BE PERFORMED ON OR NEAR ENERGIZED ELECTRICAL LINES OR EQUIPMENT UNLESS HAZARD ASSESSMENTS ARE COMPLETED.

NEW YORK CITY TRANSIT NOTES:

1. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL REQUIRED WORK PERMITS AND MEANS AND METHODS APPROVALS FOR ALL WORK WITHIN 200-FT OF THE ELEVATED NEW YORK CITY TRANSIT (NYCT) STRUCTURE.

LANGAN

Project No. 170197675

Date	Description	No.
Revisions		

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.

SIGNATURE DATE SIGNED
MICHELE O'CONNOR
PROFESSIONAL ENGINEER NY Lic. No. 086302

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Project
WILLETS POINT
PHASE 2 - TRIANGLE
PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
NOTES

Project No.	Drawing No.
170197645	C-004.00
Date: 2/14/2025	
Drawn By: VL/PK	
Checked By: EG	Sheet 3 of 24

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EXTERNAL PARTNER PROGRAM ADJACENCY GENERAL NOTES

1. THE NYC TRANSIT (NYCT) RESERVES THE RIGHT TO PLACE INSPECTORS, FLAGMEN OR OTHER PERSONNEL IN THE SUBWAY STRUCTURES DURING CONSTRUCTION OF THE PROJECT LINKED BY A TELEPHONE SYSTEM, IF DEEMED NECESSARY, TO OBSERVE THE EFFECTS OF THE CONSTRUCTION ON THE TRANSIT FACILITIES. NYCT FURTHER RESERVES THE RIGHT TO PLACE SUCH PERSONNEL WHENEVER, IN ITS OPINION, THE PROJECT CONDITIONS WARRANT SUCH PLACEMENT, REGARDLESS OF DISTANCE. THE COST OF SUCH PERSONNEL, TELEPHONE INSTALLATION AND ANY RE-ROUTES, DIVERSIONS OF SERVICE, WORK TRAINS, ETC., MADE NECESSARY BY THE PROJECT, MUST BE BORNE BY THE PROJECT OR THE RESPONSIBLE NEW YORK CITY/STATE AGENCY.
2. ALL ROCK EXCAVATION ADJACENT TO THE TRANSIT STRUCTURE SHALL BE CHANNEL DRILLED TWO FEET BELOW SUBGRADE.
3. IF TOP OF ROCK IS FOUND BELOW SUBWAY STRUCTURE, THE SUBWAY STRUCTURE SHALL BE UNDERPINNED IN ACCORDANCE WITH DRAWINGS SUBMITTED TO NYCT FOR REVIEW AND APPROVAL. UNDERPINNING DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
4. IF THE ROCK STRATUM IS SOFT OR SEAMY, LATERAL SUPPORTS SHALL BE PROVIDED BELOW THE SUBWAY STRUCTURE IN ACCORDANCE WITH DRAWINGS AND CALCULATIONS SUBMITTED TO NYCT FOR REVIEW AND APPROVAL. LATERAL SUPPORT SYSTEM DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
5. BLASTING WITH LIGHT CHARGES ONLY SHALL BE PERMITTED SUBJECT TO THE APPROVAL OF NYCT'S ENGINEER AND IN ACCORDANCE WITH THE REGULATIONS OF THE FIRE DEPARTMENT. THE CONTRACTOR SHALL PROVIDE A DETAILED MONITORING PLAN, PROVIDING FOR MEASUREMENTS OF BOTH PARTICLE VELOCITY AND DISPLACEMENTS AT CRITICAL LOCATIONS OF THE NYCT STRUCTURE. THE MONITORING PLAN SHALL INCLUDE THRESHOLD AND UPSET LEVELS OF BOTH PARTICLE VELOCITY AND SETTLEMENT TOGETHER WITH AN ACTION PLAN FOR THEIR IMPLEMENTATION. THE CONTRACTOR SHALL SECURE AN APPROVED SEISMOLOGIST TO INSTALL AND OPERATE SUITABLE VELOCITY GAUGES TO CONTINUOUSLY MONITOR PARTICLE VELOCITY AND AN INDEPENDENT LICENSED SURVEYOR TO MONITOR DISPLACEMENTS. A QUALIFIED TECHNICIAN FROM THE MONITORING COMPANY SHALL BE ON SITE TO PROVIDE VIBRATION READINGS UPON THE REQUEST OF A NYCT ENGINEER. THE THRESHOLD MAXIMUM PARTICLE VELOCITY ABOVE THE AMBIENT CAUSED BY THE BLASTING WILL BE 0.5 INCH PER SECOND. VALUES EXCEEDING THIS LEVEL SHALL BE REVIEWED AND EVALUATED BY NYCT'S ENGINEER. MEASURED PARTICLE VELOCITIES UNDER THE BLASTING WORK SHALL NOT EXCEED THE UPSET LEVEL OF 2.0 INCHES PER SECOND AT ANY TIME.
6. BEFORE PLACING CONCRETE, THE SUBGRADE OF THE FOUNDATIONS IN THE VICINITY OF THE SUBWAY STRUCTURE SHALL BE INSPECTED AND APPROVED BY NYCT'S ENGINEER.
7. ANY DAMAGE TO NYCT STRUCTURES OR ARCHITECTURAL ELEMENTS SHALL BE REPAIRED AND/OR REPLACED WITH THE SAME IN KIND, SUBJECT TO THE APPROVAL OF THE NYCT ENGINEER AT THE EXPENSE OF THE PROJECT.
8. EXCAVATION EMBANKMENTS SHALL BE SHORED AND BRACED. DRAWINGS INDICATING A SUGGESTED METHOD OF CONSTRUCTION SHALL BE SUBMITTED TO NYCT FOR REVIEW AND APPROVAL IN CONJUNCTION WITH THE PROJECT'S CONTRACT DRAWINGS. IF IT IS DETERMINED THAT EXCAVATION MAY UNDERMINE NYCT'S STRUCTURAL FOUNDATION, UNDERPINNING SHALL BE REQUIRED. DRAWINGS AND CALCULATIONS FOR THE UNDERPINNING SHALL BE SUBMITTED TO NYCT FOR REVIEW AND APPROVAL PRIOR TO EXCAVATION. DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
9. TEMPORARY SHORING MAY BE PLACED IN DIRECT CONTACT WITH NYCT STRUCTURES ONLY IF THE NYCT STRUCTURE IS SHOWN TO BE ABLE TO SUPPORT ALL ANTICIPATED (EXISTING AND TEMPORARY) LOADS THAT CAN BE TRANSFERRED THROUGH THE TEMPORARY STRUCTURES WITHOUT DAMAGING OR ALTERING THE EXISTING STRUCTURE. ALL CALCULATIONS AND DRAWINGS FOR THE TEMPORARY SHORING INSTALLATION AND REMOVAL SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK. THE CALCULATIONS AND DRAWINGS SHALL BE SUBMITTED TO NYCT FOR REVIEW AND APPROVAL. AT THE COMPLETION OF THE PROJECT, THESE TEMPORARY SHORING AND BRACING SYSTEMS SHALL BE REMOVED, OR CUT-OFF AS APPROVED BY NYCT. ANY DAMAGES INCURRED DURING THE INSTALLATION AND REMOVAL OF THE TEMPORARY SHORING SHALL BE REPAIRED AND/OR REPLACED TO THE SATISFACTION OF THE NYCT ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
10. WHEN PILES ARE DRIVEN OR DRILLED ADJACENT TO THE SUBWAY STRUCTURE, BORING DATA, PILE LAYOUTS, SPECIFICATIONS AND INSTALLATION PROCEDURES SHALL BE SUBMITTED TO NYCT FOR APPROVAL. VELOCITY METERS SHALL BE INSTALLED IN THE SUBWAY TUNNEL AT CRITICAL LOCATIONS TO MONITOR INDUCED VIBRATIONS. INDUCED DISPLACEMENTS ALONG THE TUNNEL STRUCTURE AND TRACK INVERT SHALL BE MONITORED DURING DRIVING OR DRILLING. THE THRESHOLD MAXIMUM PARTICLE VELOCITY ABOVE THE AMBIENT CAUSED BY THE DRIVING OR DRILLING SHALL BE 0.5 INCH PER SECOND. VALUES EXCEEDING THIS LEVEL SHALL BE REVIEWED AND EVALUATED BY THE NYCT ENGINEER. MEASURED PARTICLE VELOCITIES DUE TO DRIVING OR DRILLING PILE WORK SHALL NOT EXCEED THE UPSET LEVEL OF 2.0 INCHES PER SECOND AT ANY TIME.
11. NO PILES SHALL BE PLACED BY ANY METHOD WITHIN THREE FEET OF SUBWAY STRUCTURE, MEASURED FROM THE EDGE OF THE PILE OR CASING TO THE WALL. CLOSED-END PILES SHALL NOT BE DRIVEN WITHIN TEN FEET OF THE SUBWAY STRUCTURE.
12. ALL PILES ARE TO BE PLACED WITHIN A PRE-AUGERED CASED HOLE TO THE INFLUENCE LINE. THE CASING SHALL BE CLEANED WITHOUT DISTURBING THE SOIL OUTSIDE THE CASING AND THE PILE SHALL BE PLACED WITHIN THE CASING FOR INSTALLATION. THE PILES MAY THEN BE DRIVEN BEYOND THE INFLUENCE LINE WITHIN THE CASING.
13. THE INFLUENCE LINE SHALL START AT THE BOTTOM OF THE SUBWAY STRUCTURE AND EXTEND FROM 1H:1V TO 2H:1V SLOPE DEPENDING ON THE SOIL PROPERTIES AND GROUND WATER TABLE. FOR PILES INSTALLED WITHIN TEN FEET OF THE SUBWAY STRUCTURE, THE CASING SHALL EXTEND TO THE BOTTOM OF THE SUBWAY STRUCTURE.
14. ALL PILES ARE TO BE DRIVEN OR DRILLED A MINIMUM OF TEN FEET BELOW THE INTERSECTION OF THE PILE CENTERLINE AND THE INFLUENCE LINE OF THE SUBWAY STRUCTURE.
15. THE USE OF "DOWN-THE-HOLE-HAMMERS" FOR INSTALLATION OF PILES THROUGH OVERBURDEN AND FILL SHALL BE PERMITTED ONLY TO REMOVE BOULDERS. THIS METHOD SHALL NOT BE PERMITTED AS A MATTER OF COURSE TO ADVANCE THE HOLE. FURTHERMORE, THIS METHOD USED TO CONSTRUCT ROCK SOCKETS SHALL NOT BE ALLOWED WITHIN 5 FEET OF THE NYCT STRUCTURE. THE USE OF MACHINE UTILIZING AIR FOR SOIL REMOVAL WILL NOT BE ALLOWED.
16. VIBRATORY HAMMERS SHALL NOT BE PERMITTED WITHIN 75 FEET OF SUBWAY STRUCTURES. HOE RAMS SHALL NOT BE PERMITTED WITHIN 25 FEET OF SUBWAY STRUCTURES.
17. DYNAMIC COMPACTION METHODS USING DROPPED HEAVY WEIGHTS SHALL NOT BE CONDUCTED WITHIN 1000 FEET OF ANY NYCT STRUCTURE UNLESS IT IS SHOWN THAT INDUCED SETTLEMENTS AND VIBRATIONS WILL NOT DAMAGE THESE STRUCTURES. A SUITABLE MONITORING PLAN INCLUDING SETTLEMENT AND VIBRATION MEASUREMENTS SHALL BE APPROVED BY THE NYCT ENGINEER FOR ALL SUCH OPERATIONS WITHIN THESE DISTANCES PRIOR TO WORK.
18. THERE SHALL BE NO MACHINE EXCAVATION WITHIN 3 FEET OF NYCT STRUCTURES, POWER DUCT LINES, OR ANY OTHER FACILITIES UNTIL THEY HAVE BEEN CAREFULLY EXPOSED BY HAND EXCAVATION.
19. ALL DEWATERING OPERATIONS CONDUCTED WITHIN 500 FEET OF THE NYCT STRUCTURE SHALL BE PERFORMED IN ACCORDANCE WITH DRAWINGS, CALCULATIONS AND PROCEDURES SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK. THESE DRAWINGS, CALCULATIONS, AND PROCEDURES SHALL BE SUBMITTED TO NYCT FOR REVIEW AND APPROVAL. THE DISTANCE FROM THE STRUCTURE TO THE DEWATERING OPERATION MAY BE REDUCED PROVIDED THAT SOIL CONDITIONS AT THE SITE INDICATE THAT THE RADIUS OF INFLUENCE OF THE DEWATERING IS LESS THAN 500 FEET. IF DEWATERING WITHIN THE RADIUS OF INFLUENCE, THE DEWATERING PROGRAM SHALL BE SHOWN TO HAVE NEGLIGIBLE INFLUENCE ON SETTLEMENTS OF THE NYCT STRUCTURE.
20. SUBWAY ENTRANCES, VENTILATORS, VAULTS AND ANY NYCT APPURTENANCES AT THE SIDEWALK SHALL BE UNDERPINNED OR SHORED AND BRACED IF DIRECTED BY NYCT'S ENGINEER.
21. NYCT, AT ITS DISCRETION, RESERVES THE RIGHT TO REQUIRE THE PROJECT TO CLOSE OR MAINTAIN AND PROTECT EXISTING SUBWAY ENTRANCES, VENTILATORS, STRUCTURES AND PROPERTY ADJACENT TO THE PROJECT DURING CONSTRUCTION. SUCH CONSTRUCTION MAY INCLUDE UNDERPINNING, SHORING, ENCASING AND ERECTION OF SUITABLE BARRICADES AND/OR CANOPIES AND SHIELDS. SUCH PROTECTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND CALCULATIONS SUBMITTED TO NYCT FOR REVIEW AND APPROVAL. ALL DRAWINGS AND CALCULATIONS SUBMITTED TO NYCT SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
22. TEMPORARY AND PERMANENT SHIELD INSTALLATION PLANS AND CALCULATIONS PROTECTING NYCT AND/OR THE PUBLIC SHALL BE SUBMITTED TO NYCT FOR APPROVAL. THE PLANS SHALL INCLUDE THE LOCATION, DESIGN LOAD, TYPE AND METHOD OF ATTACHMENT TO THE TRANSIT STRUCTURE. THESE PLANS AND CALCULATIONS SUBMITTED TO NYCT SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
23. ALL LUMBER AND PLYWOOD USED FOR PROTECTION OF SUBWAY FACILITIES SHALL BE FIRE RETARDANT.
24. SUBWAY EMERGENCY EXITS SHALL BE KEPT CLEAR AT ALL TIMES.
25. SPECIAL CARE SHALL BE EXERCISED WHEN EXCAVATING OVER OR NEAR THE SUBWAY ROOF SO THAT THE THIN CONCRETE PROTECTION OF THE SUBWAY WATERPROOFING IS NOT DAMAGED. REPAIR PLANS FOR DAMAGE TO THE WATER PROTECTION WATERPROOFING LAYER DURING EXCAVATION SHALL BE SUBMITTED FOR NYCT APPROVAL. REPAIR WORK SHALL BE PERFORMED BEFORE EXCAVATED AREA IS FILLED, CLOSED OR COVERED UP AT NO EXPENSE TO NYCT.
26. BURNING OF, WELDING TO OR DRILLING THROUGH EXISTING STEEL STRUCTURES SHALL NOT BE PERMITTED EXCEPT AS SHOWN ON DRAWINGS APPROVED BY NYCT.
27. HORIZONTAL AND VERTICAL CONTROL SURVEY DATA OF THE EXISTING NYCT STRUCTURE SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR TO MONITOR ANY MOVEMENTS THAT OCCUR DURING CONSTRUCTION AND TO CERTIFY THAT THE INDUCED MOVEMENTS ARE WITHIN THE LIMITS NOTED BELOW. IF ANY MOVEMENTS REQUIRE WORK TO BE STOPPED BASED ON THE VALUES BELOW, A REMEDIATION PLAN SHALL BE SUBMITTED TO NYCT FOR APPROVAL BY NYCT PRIOR TO REHABILITATION AND REPAIR WORK.

STRUCTURE TYPE	MONITORED & MEASURED MOVEMENT	ACTION TO TAKE
ELEVATED	1/8 INCH OR MORE	NOTIFY NYCT ENGINEER
ELEVATED	1/4 INCH OR MORE	STOP WORK
SUBWAY	1/4 INCH OR MORE	NOTIFY NYCT ENGINEER
SUBWAY	1/2 INCH OR MORE	STOP WORK

28. BUS ROUTES AFFECTED BY THE PROJECT WILL OR MAY REQUIRE BUS DIVERSIONS. THESE ARRANGEMENTS SHALL BE MADE THROUGH:

MS. SARAH WYSS
SENIOR DIRECTOR, OPERATIONS PLANNING
NEW YORK CITY TRANSIT
2 BROADWAY, ROOM A17.82
NEW YORK, NEW YORK 10004
TELEPHONE NUMBER (646) 252-5517

WHEN IMPACTING ANY BUS STOP, SPECIAL OPERATIONS SHALL BE NOTIFIED TWO WEEKS IN ADVANCE.

29. DUCT LINES SHALL BE MAINTAINED AND PROTECTED DURING CONSTRUCTION. ANY INTERFERENCE WITH DUCT LINES SHALL BE REPORTED TO THE NYCT ENGINEER. WHEN A DUCT LINE CONTAINING CABLES IS TO BE REMOVED, OR WHEN MASONRY ADJACENT THERETO IS TO BE REMOVED, PENETRATED, OR DRILLED, THE WORK SHALL BE DONE WITH HAND LABOR ENTIRELY, USING HAMMER AND CHISEL. JACKHAMMERS, BULL POINTS OR OTHER POWER EQUIPMENT SHALL NOT BE USED.
30. WHERE MANHOLES ARE ENCOUNTERED:
    A) THEY SHALL BE PROTECTED AND RAISED OR LOWERED AS REQUIRED, TO MATCH THE NEW STREET GRADE.
    B) IF MANHOLE COVERS ARE RAISED OR LOWERED, PROTECT CABLES IN MANHOLE BY WOOD SHEETING OF 2" NOMINAL THICKNESS.
    C) PRIOR TO THE START OF CONSTRUCTION OPERATIONS AFFECTING MANHOLES AND DUCT LINES, SEVEN DAYS NOTICE MUST BE GIVEN TO MR. LIONEL SAINT LOUIS, P.E., ASSISTANT CHIEF OFFICER, INSPECTIONS AND EMERGENCY RESPONSE, MOW ENGINEERING, AT 347/672-2448, LIONEL.SAINTLOUIS@NYCT.COM.
31. CONSTRUCTION WORK DONE NEAR VENT GRATINGS AND HATCHES SHALL BE AS FOLLOWS:
    A) UNLESS APPROVED BY THE NYCT ENGINEER, ALL VENT GRATINGS AND HATCHES SHALL REMAIN OUTSIDE THE CONSTRUCTION SITE, SEPARATED BY A CONSTRUCTION FENCE. PROTECTIVE SHIELDS MUST BE PROVIDED OVER VENT GRATINGS AS REQUIRED BY THE NYCT ENGINEER.
    B) NO BUILDING MATERIAL, VEHICLES OR CONSTRUCTION EQUIPMENT SHALL BE STORED OR COVER OVER VENT, GRATINGS, HATCHES OR EMERGENCY EXITS.
    C) DETAILS OF SIDEWALK RECONSTRUCTION AROUND VENT GRATINGS, ENTRANCES, HATCHES AND EMERGENCY EXITS SHALL BE SUBMITTED TO NYCT FOR APPROVAL.
32. TRACTORS, CRANES, EXCAVATORS, AND ANY HEAVY EQUIPMENT USED IN THE VICINITY OF THE ELEVATED STRUCTURES SHALL BE ISOLATED FROM THE GROUND. SINCE THE ELEVATED STRUCTURE IS USED AS A NEGATIVE RETURN PATH, WITH A CONSEQUENT POTENTIAL BETWEEN IT AND THE GROUND, ANY CONTACT BETWEEN THE STRUCTURE AND GROUNDED EQUIPMENT COULD RESULT IN BURNING OF THE STEEL.
33. TEMPORARY CONSTRUCTION SHEDS, BARRICADES OR PLYWOOD PARTITIONS SHALL BE A MINIMUM OF 5'-0" FROM EDGE OF FINISHED PLATFORM. ALL BARRICADES SHALL BE SUBMITTED TO NYCT'S OFFICE OF STATION PROGRAMS FOR REVIEW AND APPROVAL.
34. THE GENERAL REQUIREMENTS FOR NYCT STATION AREAS OR STAIRWAY/CLOSINGS ARE AS FOLLOWS:
    A) ONLY ONE STAIRWAY AT EACH STATION SHALL BE PERMITTED TO BE CLOSED AT THE SAME TIME. APPROVALS FOR CLOSING ANY STAIRWAY SHALL BE OBTAINED FROM THE DIVISION OF STATION PROGRAMS AT LEAST THREE WEEKS IN ADVANCE.
    B) MS. SUSANNAH HARRINGTON, DIRECTOR, OFFICE OF STATION PROGRAMS; TELEPHONE 718/694-4891, EMAIL SUSANNAH.HARRINGTON@NYCT.COM OF THE DIVISION OF STATIONS SHALL BE NOTIFIED THREE WEEKS PRIOR TO THE ACTUAL CLOSING AND REOPENING OF THE ENTRANCE.
    C) SIGNAGE SHALL BE SUPPLIED AND POSTED AT LEAST TWO WEEKS IN ADVANCE, ADVISING THE PUBLIC OF THE PROPOSED SUBWAY STAIR CLOSING. HOWEVER, IF IT IS AN ENTIRE ENTRANCE CLOSING, SIGNAGE SHALL BE POSTED TWO WEEKS IN ADVANCE.
    D) THE STREET ENTRANCE STAIRWAY SHALL NOT BE CLOSED UNLESS MANPOWER AND MATERIALS ARE AVAILABLE TO COMMENCE WORK ON DATES PERMITTED.
    E) ONCE THE CLOSING IS EFFECTED, CONSTRUCTION SIGNS SHALL BE PLACED AT APPROPRIATE LOCATIONS ON THE BARRICADES AT THE STREET AND MEZZANINE LEVELS, STATING THE CONTRACTOR'S NAME, 24 HOUR EMERGENCY TELEPHONE NUMBER, CONTRACT NUMBER, THE DURATION OF THE CLOSING, DIRECTION TO AN ALTERNATE ENTRANCE/EXIT, AND AN APOLOGY FOR THE INCONVENIENCE TO OUR CUSTOMERS.
    F) EXISTING STATION SIGNAGE SHALL BE ADJUSTED TO REFLECT ANY CHANGES IN ACCESS/EGRESS.
    G) BARRICADES SHALL BE PAINTED FEDERAL BLUE AND BE MADE OF FIRE RATED MATERIAL. BARRICADES SHALL BE KEPT GRAFFITI FREE AT ALL TIMES. THE CONTRACTOR MUST MAINTAIN THE BARRICADED AREA CLEAN OF ALL DEBRIS.
    H) ALL MATERIALS SHALL BE PROPERLY STORED AND SECURED AWAY FROM CUSTOMER TRAFFIC.
    I) THE CONTRACTOR SHALL REMOVE ALL WASTE MATERIAL AND BARRICADES FROM ALL STATION AREAS WHEN CONSTRUCTION IS COMPLETED.
    J) INSPECTION OF THE AREA UNDER CONSTRUCTION BY AUTHORIZED STATION DEPARTMENT EMPLOYEES SHALL NOT BE INHIBITED.
    K) IF STREETLIGHTS ON THE SIDEWALKS ARE AFFECTED, TEMPORARY LIGHTS SHALL BE PROVIDED.
35. IF NEW CONCRETE CONSTRUCTION IS DESIGNED TO JOIN TO EXISTING CONCRETE, DOWELS, LAP SPLICES AND KEYWAYS SHALL BE USED IN ACCORDANCE WITH NYCT STANDARDS. OTHERWISE, COLD JOINTS SHALL BE DESIGNED IN ACCORDANCE WITH NYCT STANDARDS.
36. IF THE PROJECT INVOLVES CONSTRUCTION OR ALTERATION OF A SUBWAY FACILITY ON PRIVATE PROPERTY, THE PROPERTY OWNER(S) SHALL BE REQUIRED TO ENTER INTO AN AGREEMENT WITH NYCT PERTAINING TO ALL WORK AFFECTING THE TRANSIT FACILITIES AND CLEARLY DEFINING LIMITS AND RESPONSIBILITY FOR MAINTENANCE AND LIABILITY.
37. WHEREVER A NEW SIDEWALK IS BEING PLACED ADJACENT TO NYCT STRUCTURES THE FOLLOWING SHALL BE REQUIRED:
    A) THE TOP OF THE NEW SIDEWALK SHALL BE FLUSH WITH THE SUBWAY VENT GRATINGS, HATCHES AND EMERGENCY EXITS.
    B) THE SLOPE OF THE NEW SIDEWALK SHALL BE SUCH THAT THE DRAINAGE BE AWAY FROM THESE STRUCTURES.
    C) A 1/2" PREMOLDED FILLER SHALL BE INSTALLED BETWEEN THE NEW SIDEWALK AND THE NYCT STRUCTURE.
    D) WHERE SIDEWALK ELEVATIONS ARE BEING CHANGED DETAILS OF PROPOSED WORK AROUND NYCT STRUCTURES ARE TO BE SUBMITTED FOR APPROVAL.
38. BEFORE ENTERING NYCT PROPERTY, CONTRACTOR OR SUBCONTRACTOR'S PERSONNEL SHALL HAVE ATTENDED NYCT TRACK SAFETY TRAINING AND EXPECT TO FOLLOW NYCT RULES AND REGULATIONS AS PER TRAINING AND INSTRUCTIONS
39. BEFORE THE START OF ANY WORK, THE CONTRACTOR SHALL MAKE AN EXAMINATION, IN THE PRESENCE OF NYCT'S ENGINEER, OF THE INTERIOR AND EXTERIOR OF NYCT SUBWAY OR OTHER STRUCTURE ADJACENT TO THE PROPOSED WORK. THE PERSON OR PERSONS AUTHORIZED BY THE CONTRACTOR TO MAKE THESE EXAMINATIONS SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL TAKE ALL PHOTOGRAPHS AS MAY BE NECESSARY OR ORDERED TO INDICATE THE EXISTING CONDITION OF NYCT STRUCTURE. ANY STRUCTURAL DEFICIENT CONDITION SHALL BE MADE SAFE PRIOR TO THE COMMENCEMENT OF THE WORK. A COPY OF THE FIELD REPORT WITH PHOTOS SHALL BE SUBMITTED TO MR. LIONEL SAINT LOUIS, P.E., ASSISTANT CHIEF OFFICER, INSPECTIONS AND EMERGENCY RESPONSE, MOW ENGINEERING, 130 LIVINGSTON STREET, ROOM 8046, BROOKLYN, NEW YORK 11201, TELEPHONE 347/672-2448, EMAIL LIONEL.SAINTLOUIS@NYCT.COM BEFORE THE START OF CONSTRUCTION.
40. ALL ARCHITECTURAL DETAILS (SERVICE BOOTHS, RAILINGS, DOORS, ETC.) SHALL CONFORM TO THE LATEST NYCT STANDARDS. THESE STANDARDS ARE AVAILABLE AT NYCT.
41. STANDARD NYCT INSURANCE CLAUSES SHALL BE MADE PART OF THE PROJECT'S CONTRACT DRAWINGS. PROOF THAT THE NECESSARY INSURANCE IS IN EFFECT SHALL BE REQUIRED BEFORE WORK CAN COMMENCE.
42. AT THE CLOSE OF ANY PROJECT INVOLVING CONSTRUCTION OR ALTERATIONS TO TRANSIT FACILITIES, A PDF AND ELECTRONIC COPIES COMPLYING TO MICROSTATION.DGN FORMAT OF "APPROVED AS-BUILTS" MUST BE PROVIDED TO NYCT FOR ITS RECORDS. FOR DETAILS OF SPECIFIC REQUIREMENTS, CONTACT MTA CONSTRUCTION AND DEVELOPMENT EXTERNAL PARTNER PROGRAM.
43. AT LEAST THREE WEEKS PRIOR TO THE START OF CONSTRUCTION OPERATIONS, NOTIFICATION SHALL BE GIVEN TO MR. LIONEL SAINT LOUIS, P.E., ASSISTANT CHIEF OFFICER, INSPECTIONS AND EMERGENCY RESPONSE, MOW ENGINEERING.
44. IF CHANGED FIELD CONDITIONS ARE FOUND OR DEVIATIONS ARE MADE FROM THE APPROVED DRAWINGS, REVISED DRAWINGS SHALL BE RESUBMITTED FOR MTA APPROVAL.

NEW YORK CITY TRANSIT AUTHORITY (THE "AUTHORITY") – NOT FOR BENEFIT INSURANCE REQUIREMENTS SECTION

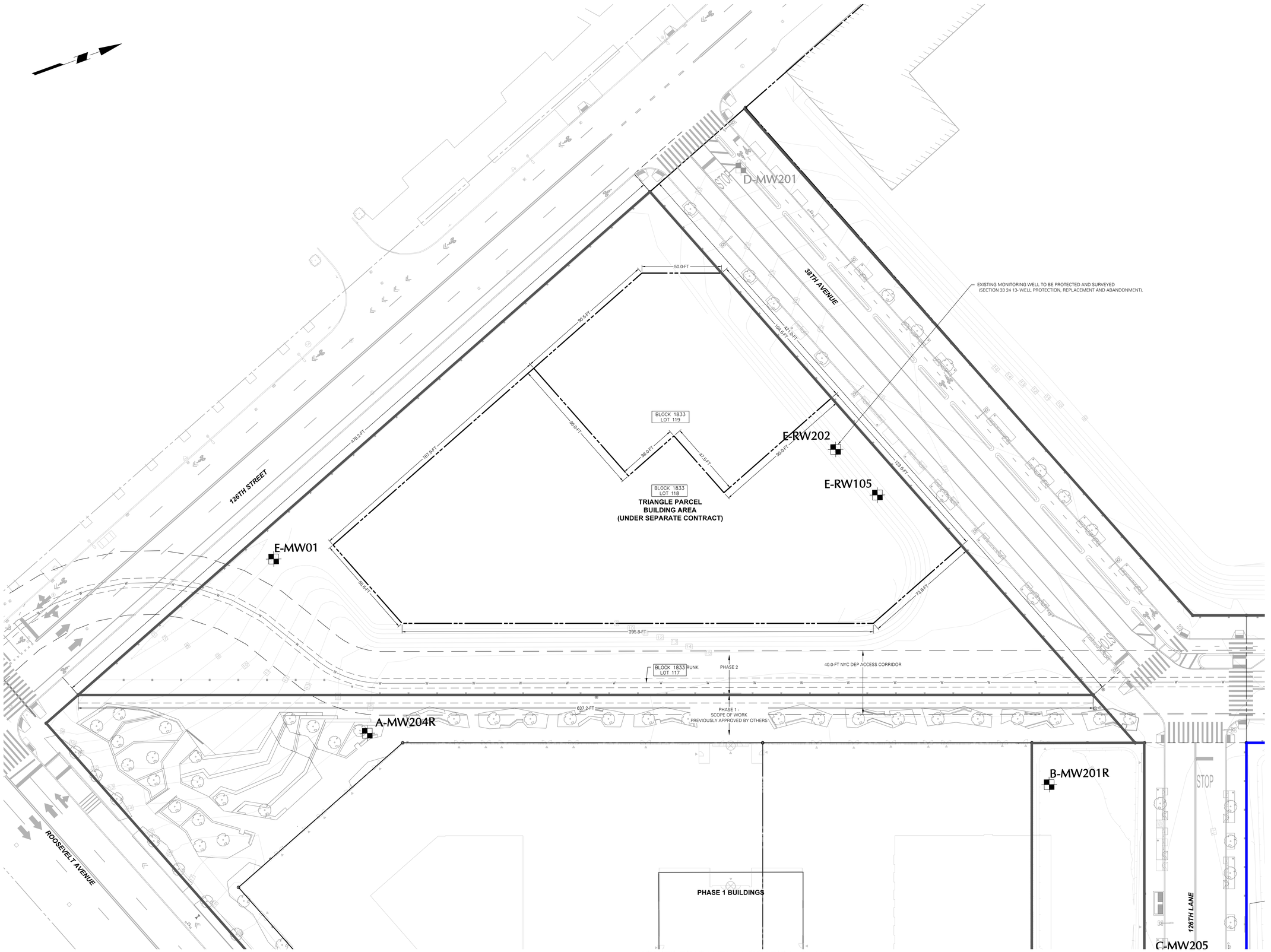
SECTION A: INSURANCE COVERAGES

THE PERMITTEE, AT ITS SOLE COST AND EXPENSE, SHALL OBTAIN AND MAINTAIN AT ALL TIMES DURING THE PERFORMANCE OF THE WORK SUCH POLICIES OF INSURANCE AS SET FORTH BELOW:

1. WORKERS' COMPENSATION INSURANCE AS REQUIRED BY STATUTE IN THE STATE IN WHICH THE WORK WILL BE PERFORMED. EMPLOYER'S LIABILITY INSURANCE WITH LIMITS OF NOT LESS THAN $1,000,000 BODILY INJURY PER ACCIDENT; $1,000,000 BODILY INJURY PER DISEASE; AND $1,000,000 ANNUAL AGGREGATE. FOR WORK CONDUCTED OUTSIDE THE STATE OF NEW YORK, EMPLOYER'S LIABILITY INSURANCE REQUIRES LIMITS OF NOT LESS THAN $2,000,000 BODILY INJURY PER ACCIDENT; $2,000,000 BODILY INJURY PER DISEASE; AND $2,000,000 ANNUAL AGGREGATE AND MUST PROVIDE PROOF THAT ITS WORKERS' COMPENSATION INSURANCE POLICY HAS BEEN ENDORSED TO INCLUDE "OTHER STATES COVERAGE."

   IF THE REQUESTING PARTY LEASES ONE OR MORE EMPLOYEES THROUGH THE USE OF A PAYROLL, EMPLOYEE MANAGEMENT, OR OTHER SIMILAR COMPANY, THEN THE PERMITTEE MUST PROCURE WORKER'S COMPENSATION INSURANCE WRITTEN ON AN "IF ANY" POLICY FORM, INCLUDING AN ENDORSEMENT PROVIDING COVERAGE FOR ALTERNATE EMPLOYER/LEASED EMPLOYEE LIABILITY.

2. COMMERCIAL GENERAL LIABILITY ("CGL") INSURANCE, COVERING CLAIMS FOR PERSONAL AND ADVERTISING INJURY, BODILY INJURY, (INCLUDING DEATH) AND PROPERTY DAMAGE ARISING OUT OF THE WORK AND IN A FORM PROVIDING COVERAGE NO LESS BROAD THAN THAT OF THE CURRENT ISO COMMERCIAL GENERAL LIABILITY INSURANCE POLICY (OCCURRENCE FORM, NUMBER CG 00 01). SUCH INSURANCE SHALL PROVIDE COVERAGE FOR ALL OPERATIONS INCLUDING THE PRODUCTS-COMPLETED OPERATIONS HAZARD, AND SHALL BE MAINTAINED FOR A PERIOD OF AT LEAST THREE (3) YEARS AFTER FINAL COMPLETION, SUBJECT TO THE LIMITATION OF ANY APPLICABLE STATUTE. THE LIMITS OF SUCH INSURANCE SHALL RENEW ANNUALLY AND NOT BE LESS THAN $2,000,000 EACH OCCURRENCE; $4,000,000 PRODUCTS AND COMPLETED OPERATIONS AGGREGATE; AND $4,000,000 PER PROJECT GENERAL AGGREGATE. THIS REQUIREMENT MAY BE SATISFIED BY A COMBINATION OF A PRIMARY CGL POLICY COVERAGE WITH LIMITS OF NOT LESS THAN $1,000,000 PER OCCURRENCE, AND FOLLOWING-FORM EXCESS OR UMBRELLA LIABILITY INSURANCE POLICY(IES) WHICH EQUAL THE TOTAL LIMITS REQUIRED ABOVE AND FOR EXCESS OR UMBRELLA LIABILITY INSURANCE IN SECTION 4 BELOW. THE CGL AND EXCESS OR UMBRELLA LIABILITY INSURANCE POLICIES MUST BE WRITTEN AN OCCURRENCE BASIS FORM, AND MUST COMPLY WITH THE FOLLOWING PROVISIONS:
   - THE POLICY SHALL INCLUDE INDEPENDENT CONTRACTOR AND CONTRACTUAL LIABILITY COVERAGES;
   - THE POLICY SHALL NOT CONTAIN ANY CONTRACTUAL EXCLUSION RELATIVE TO LABOR LAWS OR ANY OTHER EXCLUSIONS OR LIMITATIONS DIRECTED TOWARD ANY TYPES OF PROJECTS, MATERIALS OR PROCESSES INVOLVED IN THE WORK;
   - THE POLICY SHALL NOT CONTAIN ANY OF THE FOLLOWING EXCLUSIONS: SUBCONTRACTOR'S EXCLUSION; CONSTRUCTION DEFECT EXCLUSION; LEASED WORKER EXCLUSION; CROSS LIABILITY EXCLUSION; CRANE EXCLUSION; AND DEMOLITION EXCLUSION OR "EXPLOSION, COLLAPSE AND UNDERGROUND" EXCLUSION;
   - CONSTRUCTION WORK TAKING PLACE WITHIN 50 FEET OF A RAILROAD MUST INCLUDE:
     - CONTRACTUAL LIABILITY – RAILROADS CG 24 17 LISTING THE SCHEDULED RAILROAD AND DESIGNATED JOB SITE.
     - COVERAGE FOR CLAIMS FOR BODILY INJURY ASSERTED BY A RAILROAD EMPLOYEE OF AN ADDITIONAL INSURED AND ANY EMPLOYER'S LIABILITY EXCLUSION WHICH MAY OTHERWISE OPERATE TO EXCLUDE SUCH COVERAGE SHALL BE REMOVED.
3. BUSINESS AUTOMOBILE LIABILITY INSURANCE, IF ANY OWNED, NON-OWNED OR HIRED VEHICLES ARE USED BY THE PERMITTEE WHETHER ON OR OFF-SITE, COVERING THE LIABILITY OF THE PERMITTEE ARISING OUT OF ANY VEHICLE THAT BEARS, OR IS REQUIRED TO BE BEAR, LICENSE PLATES ACCORDING TO THE LAWS OF THE JURISDICTION IN WHICH THEY ARE OPERATED, AND WHICH ARE NOT COVERED BY THE PERMITTEE'S COMMERCIAL GENERAL LIABILITY. SUCH INSURANCE SHALL PROVIDE COVERAGE AT LEAST AS BROAD AS THE STANDARD ISO COMPREHENSIVE AUTOMOBILE LIABILITY POLICY (CA 00 01, CA 00 05, CA 00 12, CA 0020), WITH LIMITS NOT LESS THAN $2,000,000 EACH ACCIDENT ON A COMBINED SINGLE BASIS. IF THE WORK INVOLVES TRANSPORTATION OF HAZARDOUS OR REGULATED SUBSTANCES, HAZARDOUS OR REGULATED WASTES AND/OR HAZARDOUS OR REGULATED MATERIALS, THE PERMITTEE SHALL PROVIDE POLLUTION AUTO COVERAGE EQUIVALENT TO THAT PROVIDED UNDER THE ISO POLLUTION LIABILITY-BROADENED COVERAGE FOR COVERED AUTOS ENDORSEMENT (CA 99 48), AND THE MOTOR CARRIER ACT ENDORSEMENT (MCS 90). ANY STATUTORILY REQUIRED "NO-FAULT" BENEFITS AND UNINSURED/UNDERINSURED MOTORIST COVERAGE SHALL BE INCLUDED.
4. UMBRELLA/EXCESS LIABILITY INSURANCE, WITH LIMITS NOT LESS THAN $3,000,000 PER OCCURRENCE IN EXCESS OF THE LIMITS FOR COMMERCIAL GENERAL LIABILITY, EMPLOYER'S LIABILITY, AND BUSINESS AUTOMOBILE LIABILITY INSURANCE WHICH IS AT LEAST AS BROAD AS EACH OF THE UNDERLYING POLICIES. THE UMBRELLA/EXCESS LIABILITY POLICIES SHALL BE WRITTEN ON A "DROP-DOWN" AND "FOLLOWING FORM" BASIS, WITH ONLY SUCH EXCEPTIONS EXPRESSLY APPROVED BY THE AUTHORITY/MTA.
5. 5. RAILROAD PROTECTIVE LIABILITY INSURANCE (ISO-RIMA OR EQUIVALENT FORM), IF ANY WORK WILL BE TAKING PLACE WITHIN 50 FEET OF A RAILROAD, SUBWAY OR SIMILAR TRACKED CONVEYANCE OR REQUIRES FLAG OR PROTECTIVE MEASURES BY THE AUTHORITY OR ITS AFFILIATES OR THEIR RESPECTIVE EMPLOYEES, COVERING THE WORK TO BE PERFORMED AT THE DESIGNATED JOB SITE AND AFFORDING PROTECTION FOR DAMAGES ARISING OUT OF BODILY INJURY OR DEATH, PHYSICAL DAMAGE TO OR DESTRUCTION OF PROPERTY, INCLUDING DAMAGE TO THE INSURED'S OWN PROPERTY AND CONFORMING TO THE FOLLOWING:
   - ☐ THE POLICY SHALL BE ISSUED TO AND SHALL NAME AS THE "NAMED INSUREDS" EACH OF THE INDEMNIFIED PARTIES LISTED UNDER SECTION D BELOW.
   - ☐ THE LIMIT OF LIABILITY SHALL BE NOT LESS THAN $2,000,000 PER OCCURRENCE, APPLICABLE TO A $6,000,000 ANNUAL AGGREGATE;
   - ☐ POLICY MUST BE ENDORSED TO PROVIDE COVERAGE FOR CLAIMS ARISING FROM INJURY TO EMPLOYEES COVERED BY FEDERAL EMPLOYER'S LIABILITY ACT (FELA), WHERE APPLICABLE.
   - ☐ INDIC



MONITORING WELL LOCATION PLAN
SCALE: 1" = 20'

GENERAL NOTES:

1. BACKGROUND INFORMATION TAKEN FROM AN ACTUAL SURVEY TITLED "BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY" FOR WILLETS POINT DEVELOPMENT, PERFORMED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C., DATED OCTOBER 14, 2019, LAST UPDATED JULY 28, 2023.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) WHICH IS 1.625 FEET BELOW THE QUEENS TOPOGRAPHICAL BUREAU DATUM (QBD) AND 1.1 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK, NJ AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY (NGVD29).

LEGEND:

- LIMIT OF DISTURBANCE
- LIMIT OF PARCEL DEVELOPMENTS
- MONITORING WELL

Date	Description	No.
Revisions		

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.

SIGNATURE DATE SIGNED
MICHELE O'CONNOR
PROFESSIONAL ENGINEER NY Lic. No. 086302

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CLIENT:
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GREAT NECK, NY 11021
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Member of WSP
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Project
WILLETS POINT
PHASE 2 - TRIANGLE PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

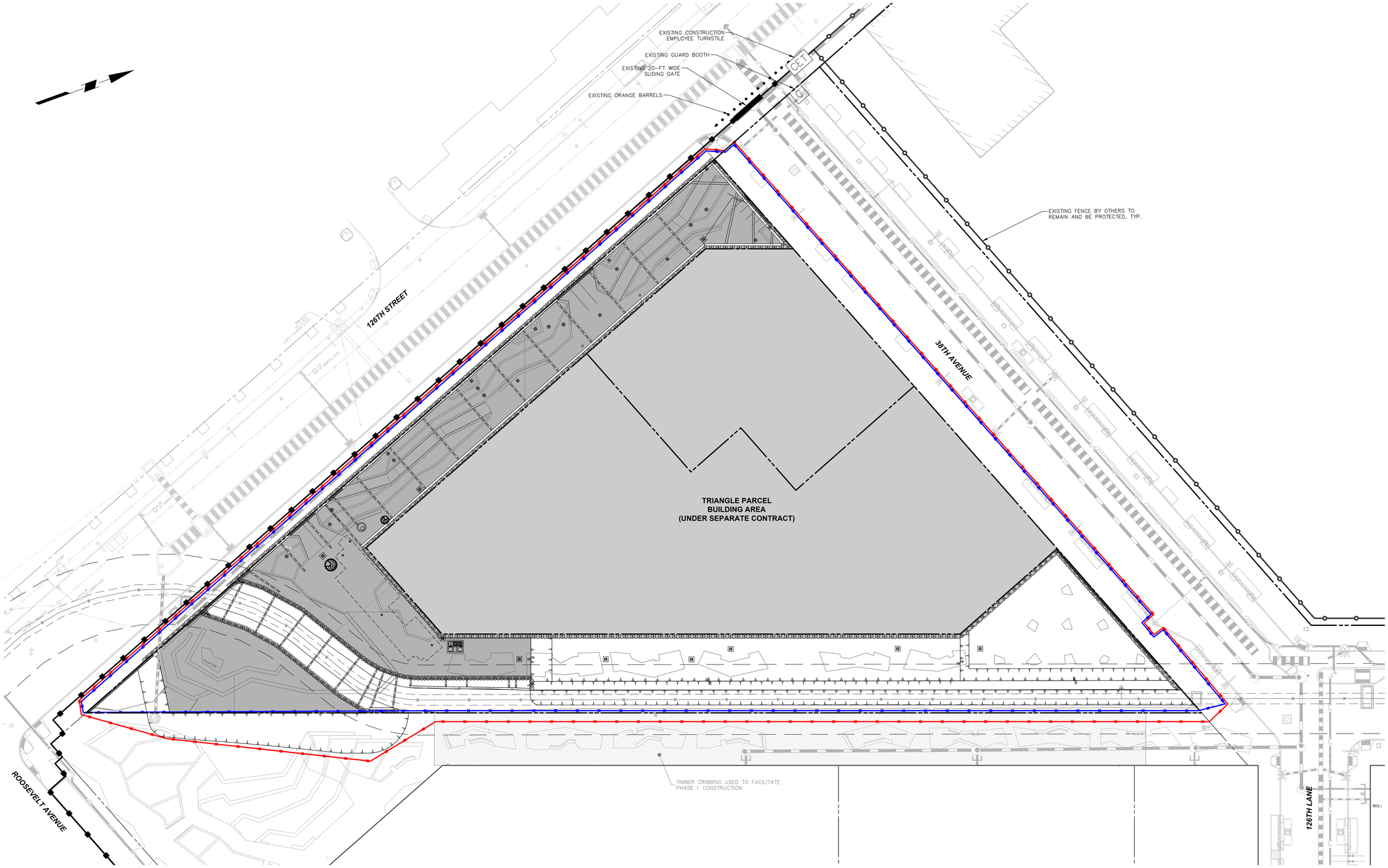
Drawing Title
MONITORING WELL LOCATION PLAN

Project No.	Drawing No.
170197645	C-100.00
Date: 2/14/2025	
Drawn By: VL/PK	
Checked By: EG	Sheet 5 of 24

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LANGAN
Project No. 170197675

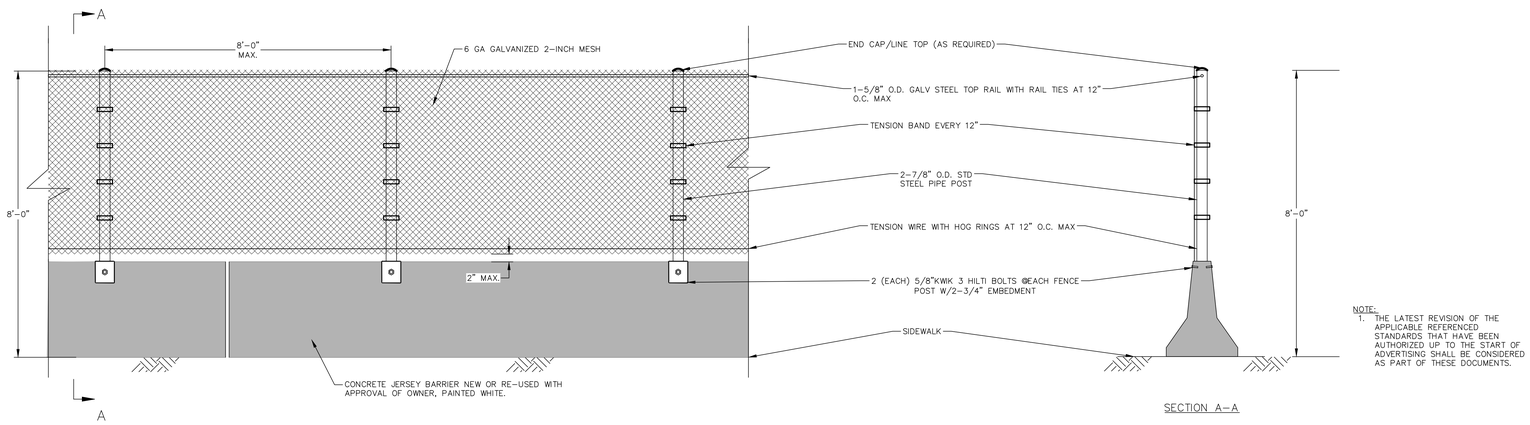
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FENCE PLAN - TRIANGLE PARCEL

SCALE: 1" = 20'

SCALE IN FEET: 20 0 5 10 20



SECTION A-A

NOTE:
1. THE LATEST REVISION OF THE APPLICABLE REFERENCED STANDARDS THAT HAVE BEEN AUTHORIZED UP TO THE START OF ADVERTISING SHALL BE CONSIDERED AS PART OF THESE DOCUMENTS.

TYPICAL CHAINLINK FENCE ON JERSEY BARRIER

N.T.S.

GENERAL NOTES:

1. BACKGROUND INFORMATION TAKEN FROM AN ACTUAL SURVEY TITLED "BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY" FOR WILLETS POINT DEVELOPMENT, PERFORMED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C., DATED 10/19/2019, LAST UPDATED 07/28/2023.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) WHICH IS 1.625 FEET BELOW THE QUEENS TOPOGRAPHICAL BUREAU DATUM (QBD) AND 1.1 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK, NJ AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY (NGVD29).
3. FENCE LINES OFFSET FROM PROPERTY LINES FOR CLARITY.

LEGEND:

- LIMIT OF PARCEL DEVELOPMENTS
- PARCEL BUILDING
- DOB FENCE JUNE 2025 - SEPTEMBER 2025
- DOB FENCE OCTOBER 2025 - MARCH 2027
- EXISTING DOB FENCE
- SOLDIER PILE (SEE SOE PLANS)
- CORE BEAM (SEE SOE PLANS)
- RAKER (SEE SOE PLANS)
- PILE SUPPORTED PLATFORM (SEE PLATFORM PLANS)

Date	Description	No.
Revisions		

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SIGNATURE DATE SIGNED
MICHELE O'CONNOR
PROFESSIONAL ENGINEER NY Lic. No. 086302

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RELATED COMPANIES
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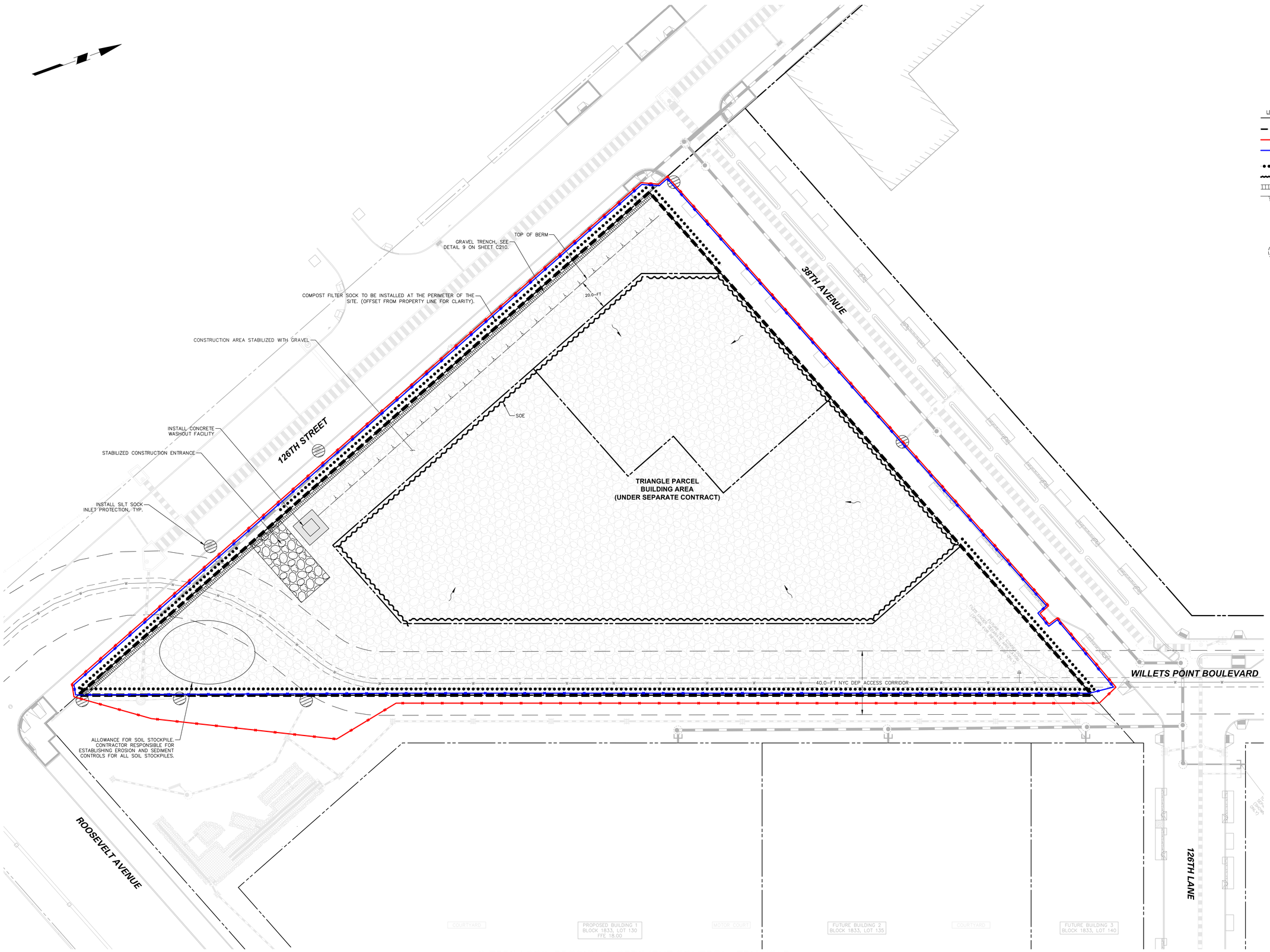
Project
WILLETS POINT
PHASE 2 - TRIANGLE PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
FENCE PLAN

Project No.	Drawing No.
170197645	C-110.00
Date: 2/14/2025	
Drawn By: MA	
Checked By: EG	Sheet 6 of 24

LANGAN
Project No. 170197675

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INTERIM SOIL EROSION & SEDIMENT CONTROL - TRIANGLE

SCALE: 1" = 20'

GENERAL NOTES:

1. BACKGROUND INFORMATION TAKEN FROM AN ACTUAL SURVEY TITLED "BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY" FOR WILLETS POINT DEVELOPMENT, PERFORMED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C., DATED OCTOBER 14, 2019, LAST UPDATED JULY 28, 2023.
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LEGEND

- PROPERTY LINE
- WORK AREA BOUNDARY
- DOB FENCE JUNE 2025 – SEPTEMBER 2025
- DOB FENCE OCTOBER 2025 – MARCH 2027
- PROPOSED COMPOST FILTER SOCK
- SUPPORT OF EXCAVATION
- GRAVEL TRENCH
- TOP OF SLOPE
- PROPOSED STABILIZED CONSTRUCTION ENTRANCE
- CONCRETE TRUCK WASHOUT FACILITY
- SOIL STOCKPILE
- INLET PROTECTION
- FLOW ARROW
- STABILIZED GRAVEL

Date	Description	No.
Revisions		

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.

SIGNATURE DATE SIGNED

MICHELE O'CONNOR
PROFESSIONAL ENGINEER NY Lic. No. 086302

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Project
WILLETS POINT
PHASE 2 - TRIANGLE
PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

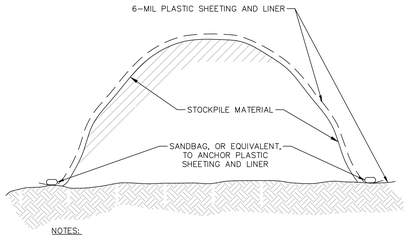
Drawing Title
SOIL EROSION & SEDIMENT CONTROL 1A

Project No.	Drawing No.
170197675	C-201.00
Date: 2/14/2025	
Drawn By: VL/PK	
Checked By: EG	Sheet 7 of 24

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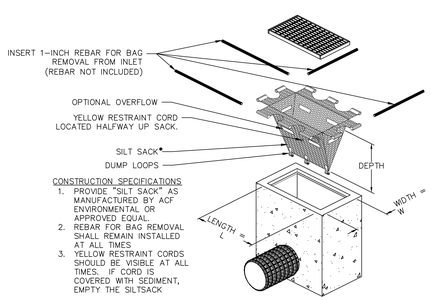
Project No. 170197675

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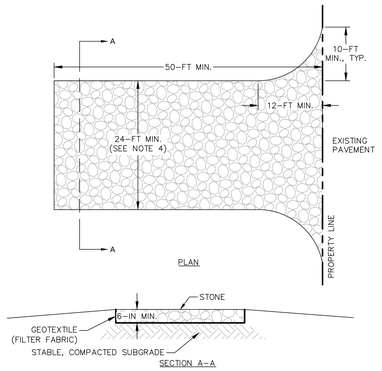
NOTES:
1. ALL SOIL STOCKPILES SHALL BE LIMITED TO 1,000-CY IN SIZE.
2. EXCAVATED SOIL STOCKPILES SHALL BE PLACED ON 6-MIL LOW-PERMEABILITY LINER.
3. ALL SOIL STOCKPILES SHALL BE COVERED WITH 6-MIL PLASTIC SHEETING OR TARP AT THE END OF EACH WORK DAY.
4. ALL STOCKPILES MUST BE 50-FT FROM SLOPE, ROADWAY, STREAMS, WETLANDS, AND DRAINAGE FACILITIES.

1 STOCKPILE PROTECTION
N.T.S.



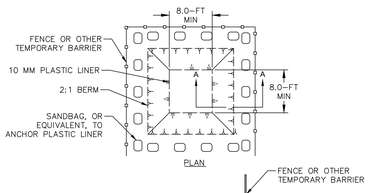
CONSTRUCTION SPECIFICATIONS
1. PROVIDE "SILT SACK" AS MANUFACTURED BY ACF ENVIRONMENTAL OR APPROVED EQUAL.
2. REBAR FOR BAG REMOVAL SHALL REMAIN INSTALLED AT ALL TIMES
3. YELLOW RESTRAINT CORDS SHOULD BE VISIBLE AT ALL TIMES. IF CORD IS COVERED WITH SEDIMENT, EMPTY THE SILTSACK

2 STORM DRAIN INLET PROTECTION
N.T.S.



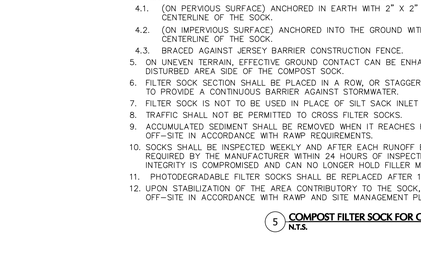
NOTES:
1. GEOTEXTILE: PLACE OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
2. STONE SIZE: SHALL BE AASHTO #1 VIRGIN STONE, NYS DOT #4 VIRGIN STONE, OR NYS DOT #5 VIRGIN STONE. RCA SHALL NOT BE PERMITTED FOR USE.
3. WIDTH: SHALL BE 24-FT, UNLESS THERE ARE MULTIPLE ENTRANCES TO THE SITE, WHERE THE MINIMUM WIDTH SHALL THEN BE 12-FT.
4. SURFACE RUNOFF: SLOPE ALL DRAINAGE AWAY FROM CONSTRUCTION ENTRANCE. IF SURFACE RUNOFF MUST BE SLOPED TOWARD CONSTRUCTION ENTRANCES IT SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
5. MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY AND DISPOSED OF PROPERLY.
6. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
7. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

3 STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

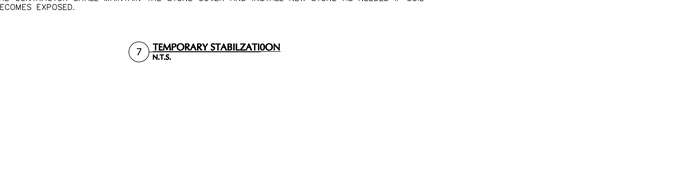


NOTES:
1. WASHOUT FACILITY SHALL BE SIZED IN ACCORDANCE WITH NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL TO CONTAIN SOLIDS, WASH WATER, AND RAINFALL, AND TO ALLOW FOR EVAPORATION OF WASH WATER AND RAINFALL.
2. WASH WATER SHALL BE 7 GALLONS PER CHUTE AND 50 GALLONS PER PUMP TRUCK AND/OR DISCHARGING DRUM IN ACCORDANCE WITH RAWP REQUIREMENTS.
3. MINIMUM SIZE SHALL BE 8-FT BY 8-FT AT THE BOTTOM AND 2-FT DEEP.
4. SIDE SLOPES SHALL BE 2 HORIZONTAL TO 1 VERTICAL.
5. FACILITY SHALL BE LOCATED A MINIMUM OF 100-FT FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS, AND OTHER SURFACE WATERS.
6. PROVIDE SIGNAGE TO DIRECT DRIVERS TO FACILITY AFTER THEIR LOAD IS DISCHARGED.
7. FACILITY SHALL BE LINED WITH 10 MM PLASTIC SHEETING. PLASTIC SHEETING SHALL BE ANCHORED BEYOND TOP OF PIT WITH SANDBAGS, AN EARTHEN BERM, STONE, OR EQUIVALENT.
8. MAINTENANCE: CONCRETE TRUCK WASHOUT FACILITY SHALL BE INSPECTED DAILY FOR DAMAGE OR LEAKING. EXCESS RAINWATER ACCUMULATED OVER THE HARDENED CONCRETE SHALL BE DEWATERED THROUGH APPROVED DEWATERING TREATMENT SYSTEM. WHEN 75% STORAGE CAPACITY HAS BEEN REACHED, EXCAVATE HARDENED MATERIAL, DISPOSE OFF-SITE IN AN APPROPRIATE DISPOSAL FACILITY, AND REPLACE PLASTIC LINER. EXCESS WASH WATER SHALL BE PUMPED INTO A CONTAINMENT VESSEL AND PROPERLY DISPOSED OF OFF-SITE IN ACCORDANCE WITH RAWP REQUIREMENTS.

4 CONCRETE TRUCK WASHOUT FACILITY
N.T.S.



SECTION VIEW
FILTER SOCK INSTALLED AGAINST JERSEY BARRIER



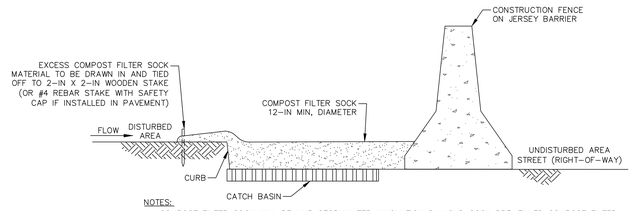
SECTION VIEW
FILTER SOCK INSTALLED ON PERVIOUS SURFACE

SECTION VIEW
FILTER SOCK INSTALLED ON IMPERVIOUS SURFACE

NOTES:

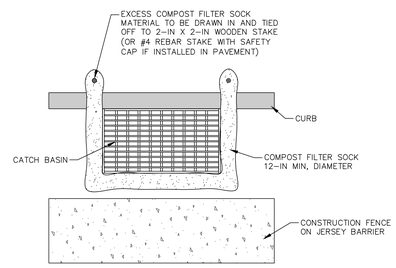
1. COMPOST FILTER SOCK WILL BE MKB STORMWATER INNOVATION DIAMOND SOCK PRE-FILLED COMPOST FILTER SOCK, OR APPROVED EQUAL.
2. FILL AND INSTALL FILTER SOCK WITH COMPOST MATERIAL AS PER MANUFACTURER'S SPECIFICATIONS. INSTALL ADDITIONAL FILL MATERIAL ON THE UPSLOPE SIDE OF THE BARRIER TO SEAL JOINT BETWEEN SURFACE AND FILTER SOCK.
3. FILTER SOCK SHALL BE 12-INCHES MINIMUM IN DIAMETER.
4. FILTER SOCK SHALL BE INSTALLED IN ONE OF THE FOLLOWING MANNERS:
   4.1. (ON PERVIOUS SURFACE) ANCHORED IN EARTH WITH 2" X 2" WOODEN STAKES DRIVEN 12" INTO THE SOIL ON 10' CENTERS ON THE CENTERLINE OF THE SOCK.
   4.2. (ON IMPERVIOUS SURFACE) ANCHORED INTO THE GROUND WITH #4 REBAR STAKES WITH SAFETY CAPS ON 10' CENTERS ON THE CENTERLINE OF THE SOCK.
   4.3. BRACED AGAINST JERSEY BARRIER CONSTRUCTION FENCE.
5. ON UNEVEN TERRAIN, EFFECTIVE GROUND CONTACT CAN BE ENHANCED BY THE PLACEMENT OF A FILLET OF FILTER MEDIA ON THE DISTURBED AREA SIDE OF THE COMPOST SOCK.
6. FILTER SOCK SECTION SHALL BE PLACED IN A ROW, OR STAGGERED, WITH ENDS TIGHTLY ABUTTING ADJACENT FILTER SOCK SECTIONS TO PROVIDE A CONTINUOUS BARRIER AGAINST STORMWATER.
7. FILTER SOCK IS NOT TO BE USED IN PLACE OF SILT SACK INLET PROTECTION AT CATCH BASINS.
8. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
9. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED OF OFF-SITE IN ACCORDANCE WITH RAWP REQUIREMENTS.
10. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED IN THE MANNER REQUIRED BY THE MANUFACTURER WITHIN 24 HOURS OF INSPECTION NOTIFICATION. THE SOCK SHALL BE REPLACED IF THE STRUCTURAL INTEGRITY IS COMPROMISED AND CAN NO LONGER HOLD FILLER MATERIAL IN-PLACE.
11. PHOTODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 1 YEAR.
12. UPON STABILIZATION OF THE AREA CONTRIBUTORY TO THE SOCK, STAKES AND FILTER SOCKS TO BE REMOVED AND DISPOSED OF OFF-SITE IN ACCORDANCE WITH RAWP AND SITE MANAGEMENT PLAN REQUIREMENTS.

5 COMPOST FILTER SOCK FOR GENERAL SEDIMENT CONTROL USE
N.T.S.



NOTES:
1. COMPOST FILTER SOCK WILL BE MKB STORMWATER INNOVATION DIAMOND SOCK PRE-FILLED COMPOST FILTER SOCK, OR APPROVED EQUAL.
2. FILTER SOCK TO BE INSTALLED ON RIGHT-OF-WAY CATCH BASIN.
3. FILL AND INSTALL FILTER SOCK WITH COMPOST MATERIAL AS PER MANUFACTURER'S SPECIFICATIONS.
4. FILTER SOCK SHALL BE 12-INCHES MINIMUM IN DIAMETER.
5. FILTER SOCK SHALL BE BRACED AGAINST JERSEY BARRIER CONSTRUCTION FENCE
6. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
7. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED OF OFF-SITE IN ACCORDANCE WITH RAWP REQUIREMENTS.
8. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED IN THE MANNER REQUIRED BY THE MANUFACTURER WITHIN 24 HOURS OF INSPECTION NOTIFICATION. THE SOCK SHALL BE REPLACED IF THE STRUCTURAL INTEGRITY IS COMPROMISED AND CAN NO LONGER HOLD FILLER MATERIAL IN-PLACE.
9. BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE FILTER SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
10. UPON STABILIZATION OF THE AREA CONTRIBUTORY TO THE SOCK, FILTER SOCKS TO BE REMOVED AND DISPOSED OF OFF-SITE.

6 COMPOST FILTER SOCK FOR ROW SEDIMENT CONTROL USE
N.T.S.



PLAN VIEW

TEMPORARY STABILIZATION:

THE CONTRACTOR SHALL INITIATE SURFACE STABILIZATION MEASURES AS SOON AS PRACTICAL IN AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED AND IN NO CASE MORE THAN FOURTEEN DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY CEASED. THE FOLLOWING MEASURES FOR TEMPORARY STABILIZATION MAY BE USED:

VEGETATIVE PLAN

FOR TEMPORARY SEEDING AND MULCH:
- TYPE OF SEED:
  - DURING GROWING SEASON (SPRING, SUMMER, OR EARLY FALL): SEED THE AREA WITH RYEGRASS AT 30LBS PER ACRE (APPROXIMATELY 0.7LBS / 1,000SF).
  - DURING LATE FALL/EARLY WINTER: SEED WITH CERTIFIED "AROOSTOOK" WINTER RYE AT 100 LBS PER ACRE (2.5LBS/1,000SF)
- BROADCAST SEED AT THE MANUFACTURER'S RECOMMENDED RATE WITH A CYCLONE SEEDER, DROP SPREADER, OR CULTIPACKER SEEDER.
- RAKE SEED INTO THE SOIL AND LIGHTLY PACK TO ESTABLISH GOOD CONTACT.
- MULCH THE SEEDED AREA WITH HAY OR STRAW AT 2 TONS PER ACRE (APPROXIMATELY 90LBS/1,000SF). MULCH ANCHORING IS TO BE USED IN AREAS WHERE WIND OR WATER EROSION ARE A CONCERN. NYLON OR SYNTHETIC ANCHORING PRODUCTS ARE NOT TO BE USED.

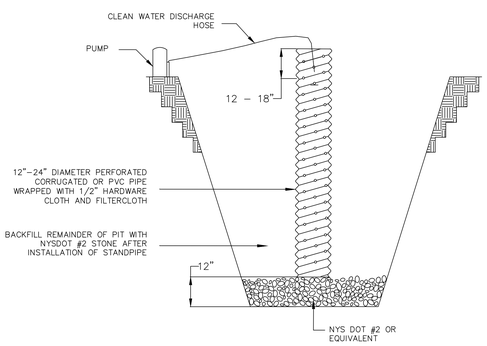
MAINTENANCE:
- THE CONTRACTOR MAY BE DIRECTED TO RESEED ANY AREAS WHICH, IN THE OPINION OF THE QUALIFIED INSPECTOR ARE UNACCEPTABLE.
- THE CONTRACTOR SHALL ADEQUATELY MAINTAIN THE EROSION CONTROL COVER, INCLUDING WATERING AS NECESSARY.
- IF THE GROWTH IS INADEQUATE FOR EROSION CONTROL, THE CONTRACTOR SHALL OVERSEED USING HALF THE RATE OF SEED ORIGINALLY APPLIED.
- IF THE GRASS SEED GROWTH IS OVER 60% DAMAGED, RESEED FOLLOWING THE ORIGINALLY SPECIFIED RATE.

CRUSHED VIRGIN STONE

FOR TEMPORARY PLACEMENT OF CRUSHED VIRGIN STONE:
- COVER DISTURBED AREA WITH A MINIMUM 3-INCH LAYER OF 3/4-INCH CRUSHED VIRGIN STONE. NOTE: THIS REQUIREMENT FOR TEMPORARY STABILIZATION DOES NOT CHANGE THE REQUIREMENT FOR A 4-INCH LAYER OF ¾-INCH CRUSHED VIRGIN STONE AS PER THE RAWP AND SMP.

MAINTENANCE:
- THE CONTRACTOR MAY BE DIRECTED TO PATCH ANY AREAS WHICH, IN THE OPINION OF THE QUALIFIED INSPECTOR, ARE UNACCEPTABLE.
- THE CONTRACTOR SHALL MAINTAIN THE STONE COVER AND INSTALL NEW STONE AS NEEDED IF SOIL BECOMES EXPOSED.

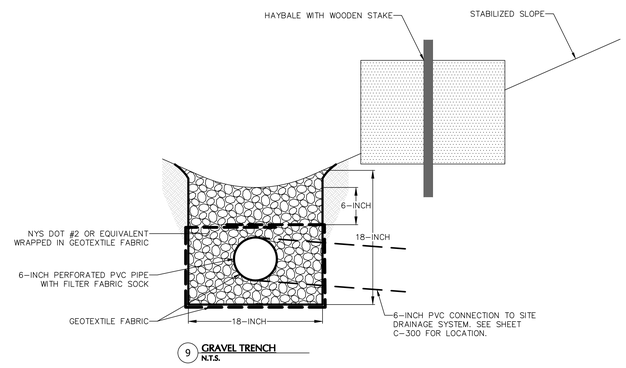
7 TEMPORARY STABILZATI0ON
N.T.S.



CONSTRUCTION SPECIFICATIONS

1. PIT DIMENSIONS ARE VARIABLE.
2. THE STANDPIPE SHOULD BE CONSTRUCTED BY PERFORATING A 12" – 24" DIAMETER CORRUGATED OR PVC PIPE.
3. THE STANDPIPE SHOULD BE WRAPPED WITH ¼" – ½" HARDWARE CLOTH, THEN FILTERCLOTH (EQUIVALENT SIEVE SIZE BETWEEN 40 AND 80) BEFORE INSTALLATION.
4. PLACE NYSDOT #2 STONE IN THE PIT TO A DEPTH OF 12". INSTALL STANDPIPE, AND BACKFILL THE REMAINDER OF THE PIT AROUND THE STANDPIPE WITH ADDITIONAL NYSDOT #2 STONE.
5. THE STANDPIPE SHOULD EXTEND 12-18" ABOVE THE LIP OF THE PIT.

8 DEWATERING SUMP PIT
N.T.S.



9 GRAVEL TRENCH
N.T.S.

Date	Description	No.
Revisions		

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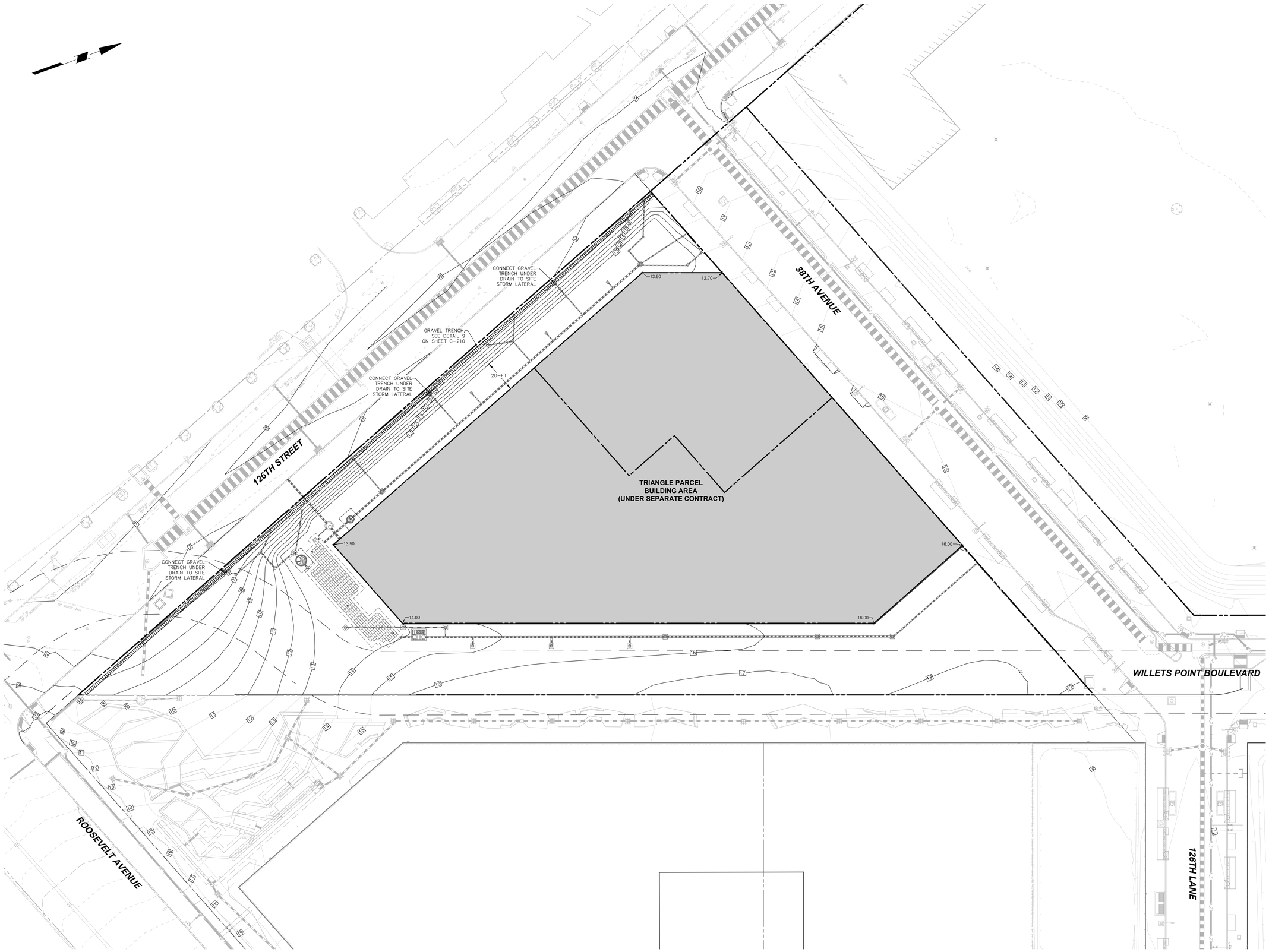
Project
WILLETS POINT PHASE 2 - TRIANGLE PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
SOIL EROSION & SEDIMENT CONTROL DETAILS

Project No.	Drawing No.
170197675	C-210.00
Date: 2/14/2025	
Drawn By: VL/PK	
Checked By: EC	Sheet 8 of 24

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Project No. 170197675



INTERIM GRADING PLAN - TRIANGLE

SCALE: 1" = 20'

GENERAL NOTES:

1. BACKGROUND INFORMATION TAKEN FROM AN ACTUAL SURVEY TITLED "BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY" FOR WILLETS POINT DEVELOPMENT, PERFORMED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C., DATED OCTOBER 14, 2019, LAST UPDATED JULY 28, 2023.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) WHICH IS 1.625 FEET BELOW THE QUEENS TOPOGRAPHICAL BUREAU DATUM (QBD) AND 1.1 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK, NJ AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY (NGVD29).

NOTES:

1. ELEVATIONS SHOWN HEREIN REPRESENT GRADES AT COMPLETIONS ON THIS CONTRACT. REFER RI DRAWING L-200 PROVIDED AS A REFERENCE PLAN FOR FINAL SITE GRADES.
2. CONTRACTOR SHALL MAINTAIN SITE GRADES TO PITCH STORMWATER RUNOFF AWAY FROM BUILDING SOE.

LEGEND:

- LIMIT OF DISTURBANCE
- LIMIT OF TRIANGLE PARCEL
- BUILDING PARCEL
- BUILDING ENTRANCE
- STORM SERVICE
- CATCH BASIN
- AREA DRAIN
- LANDSCAPE DRAIN
- DETENTION TANK
- MANHOLE
- DIRECTION OF FLOW
- EXISTING CONTOURS
- PROPOSED CONTOURS

Date	Description	No.

Revisions

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Project
WILLETS POINT
PHASE 2 - TRIANGLE
PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
FILL/UTILITIES
GRADING PLAN

Project No.	Drawing No.
170197675	C-300.00
Date: 2/14/2025	
Drawn By: VL/PK	
Checked By: EG	Sheet 9 of 24

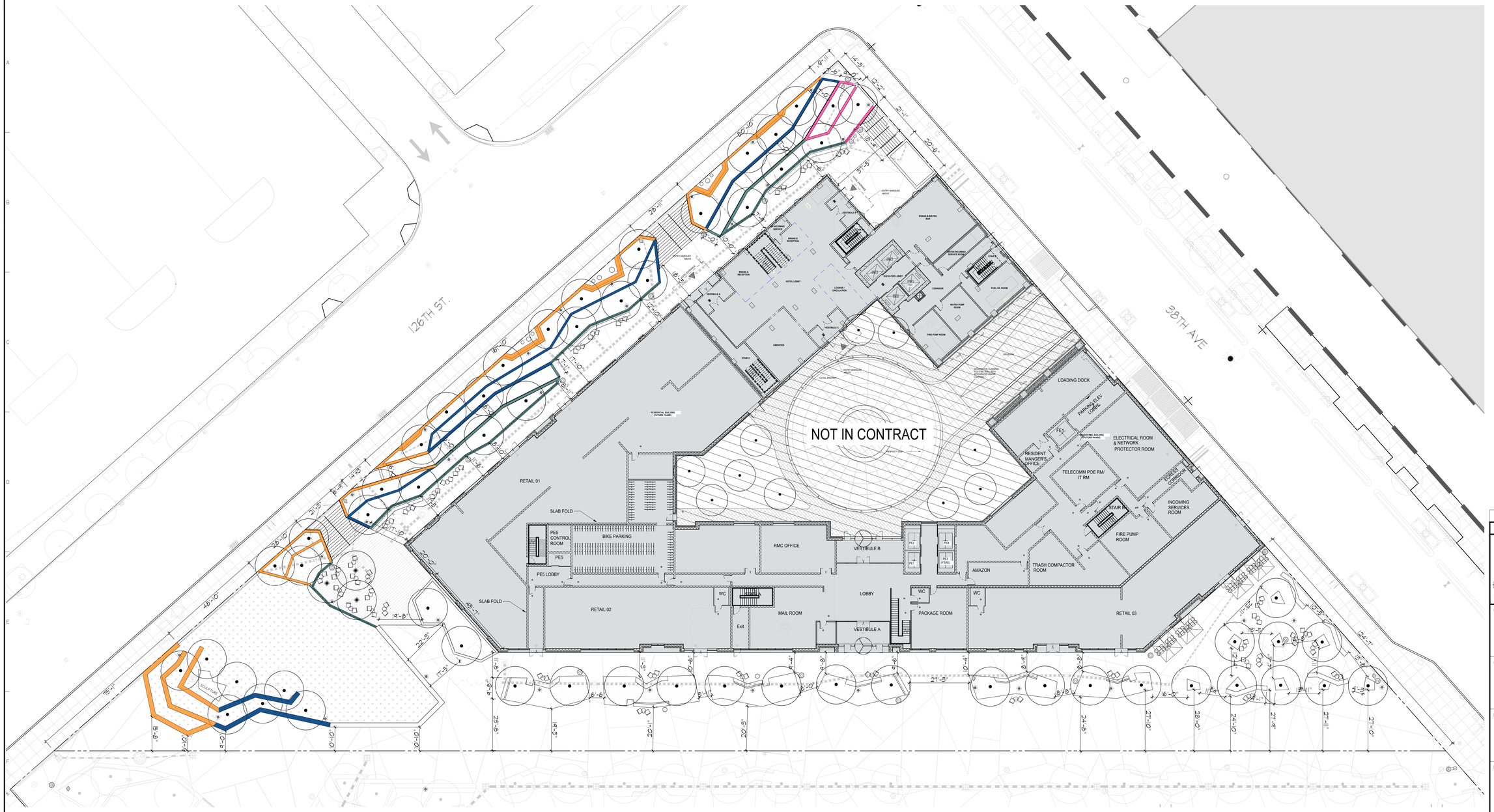
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LANGAN

Project No. 170197675



1 SITE LAYOUT PLAN

SCALE: 1/16"=1'-0"

GENERAL NOTES:

1. BACKGROUND INFORMATION TAKEN FROM DRAWING TITLED "SITE LAYOUT PLAN" BY MPFP, DATED MARCH 7, 2025.
2. THIS DRAWING PROVIDES TOP OF WALL ELEVATIONS AT THE END OF THIS CONTRACT. REFER TO LANDSCAPE DRAWINGS BY MPFP FOR FINAL WALL ELEVATIONS.
3. REFER TO STRUCTURAL DRAWINGS BY DESIMONE FOR WALL LOCATION AND WALL CONSTRUCTION DETAILS.
4. GENERALLY, THE INTERIM TOP OF WALL ELEVATIONS ARE A MINIMUM TWO FEET BELOW THE INTERIM SITE GRADE PROVIDED IN C-300. CONTRACTOR MUST PROVIDE SUITABLE REBAR AND CONCRETE PROTECTION AT THE END OF THIS CONTRACT TO ENABLE WALL CONSTRUCTION CONTINUATION AT A LATER DATE.

LEGEND:

- TOP OF WALL TO BE BUILT TO EL 5
- TOP OF WALL TO BE BUILT TO EL 6
- TOP OF WALL TO BE BUILT TO EL 8
- TOP OF WALL TO BE BUILT TO EL 10

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Project No. 170197675

Date	Description	No.
Revisions		

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SIGNATURE DATE SIGNED

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MEP ENGINEER:
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DESIMONE
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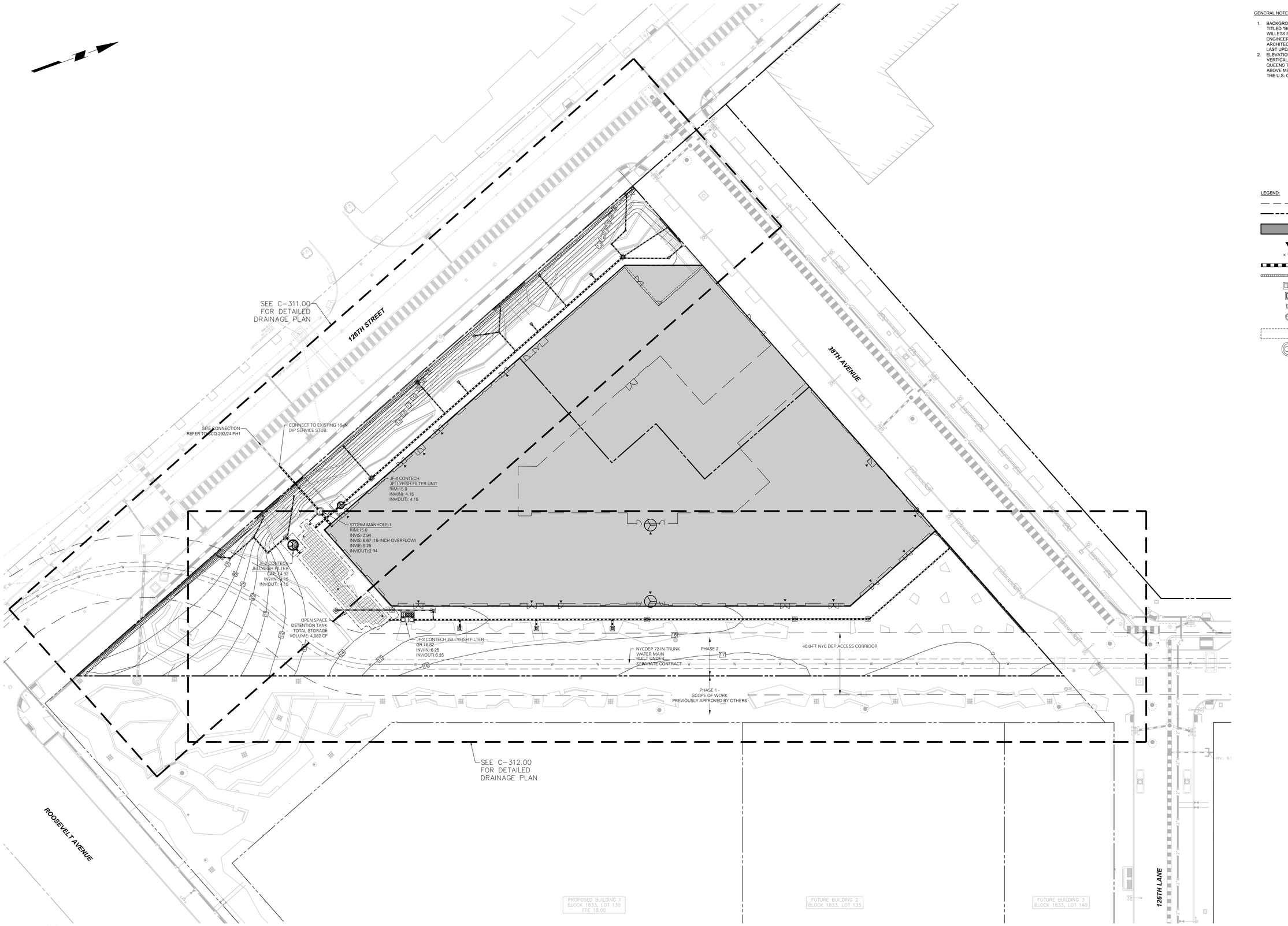
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Project
PHASE 2 TRIANGLE PARCEL OPEN SPACE LANDSCAPE/ HARDSCAPE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
INTERIM TOP OF WALL ELEVATIONS

Project No.	Drawing No.
170197645	C-301.00
Date: 3/28/2025	
Drawn By	
Checked By	Sheet 10 of 24

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DRAINAGE PLAN - TRIANGLE

SCALE: 1" = 20'

NOTES:

1. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL MANHOLES, OUTLET CONTROL STRUCTURES, AREA DRAINS, LANDSCAPE DRAINS, FLOOR DRAINS AND TRENCH DRAINS INDICATING ALL INVERTS, RIMS AND PIPE OPENING ELEVATIONS FOR THE FINAL SITE CONDITIONS. REFER TO REFERENCE LANDSCAPE DRAWINGS FOR FINAL SITE GRADES.

   SHOP DRAWING SHALL INCLUDE NOTE INDICATING THE ELEVATION EACH STRUCTURE WILL BE CONSTRUCTED TO UNDER THIS CONTRACT TO ENSURE BALANCE OF STRUCTURE CAN BE CONSTRUCTED TO FINAL DESIGN GRADE BY OTHERS UNDER SEPARATE CONTRACT.

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3. CONTRACTOR SHALL COORDINATE SLEEVE ELEVATIONS FOR ALL PIPE PENETRATIONS THROUGH SITE WALLS/STRUCTURES WITH THE STRUCTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION.

4. CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY OF ENTIRE SITE DRAINAGE SYSTEM FOR ENGINEER APPROVAL PRIOR TO BACKFILLING TO CONTRACT ROUGH/INTERIM GRADES.

GENERAL NOTES:

1. BACKGROUND INFORMATION TAKEN FROM AN ACTUAL SURVEY TITLED "BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY" FOR WILLETS POINT DEVELOPMENT, PERFORMED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C., DATED OCTOBER 14, 2019, LAST UPDATED JULY 28, 2023.
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LEGEND:

- LIMIT OF DISTURBANCE
- LIMIT OF TRIANGLE PARCEL
- BUILDING PARCEL
- BUILDING ENTRANCE
- ×##.## SPOT ELEVATION
- STORM SERVICE
- TRENCH DRAIN
- CATCH BASIN
- AREA DRAIN
- FLOOR DRAIN
- LANDSCAPE DRAIN
- DETENTION TANK
- MANHOLE

20 0 5 10 20
SCALE IN FEET

Date	Description	No.
Revisions		

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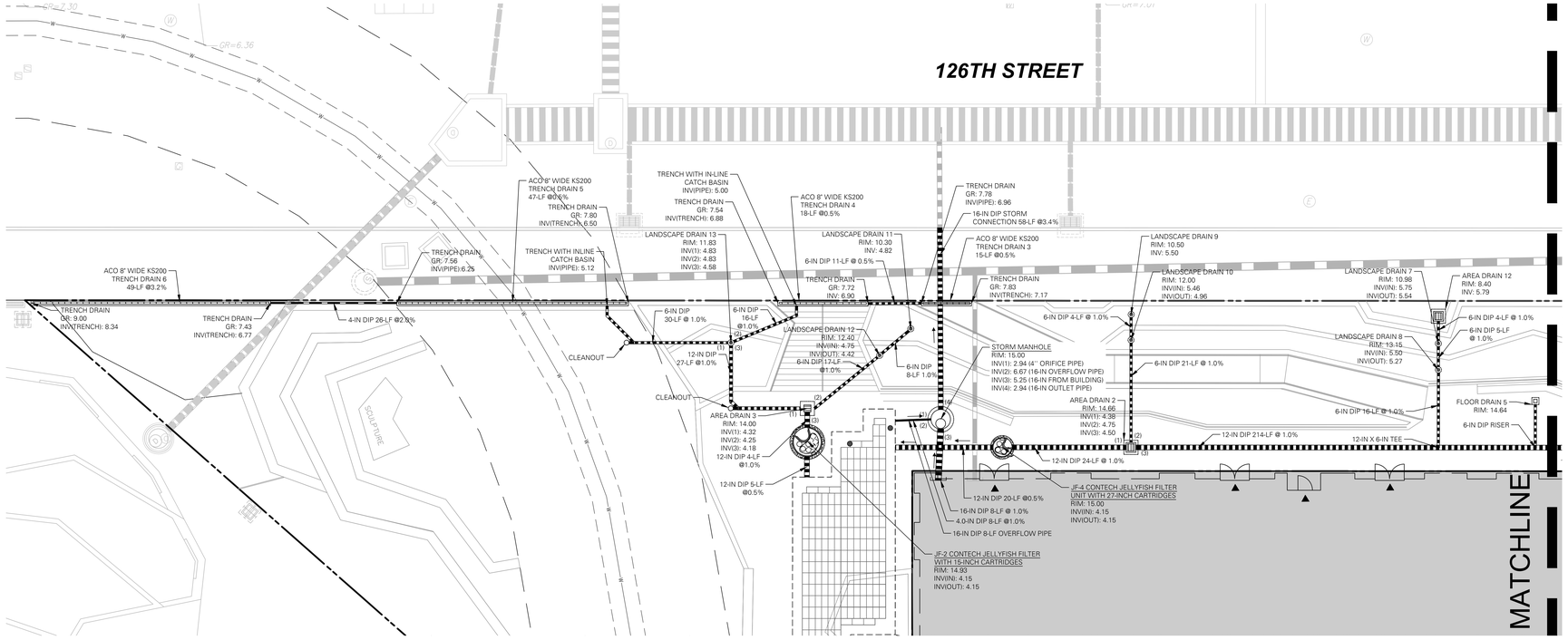
Project
WILLETS POINT
PHASE 2 - TRIANGLE
PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
DRAINAGE PLAN

Project No.	Drawing No.
170197675	C-310.00
Date: 2/14/2025	
Drawn By: VL/PK	
Checked By: EG	Sheet 11 of 24

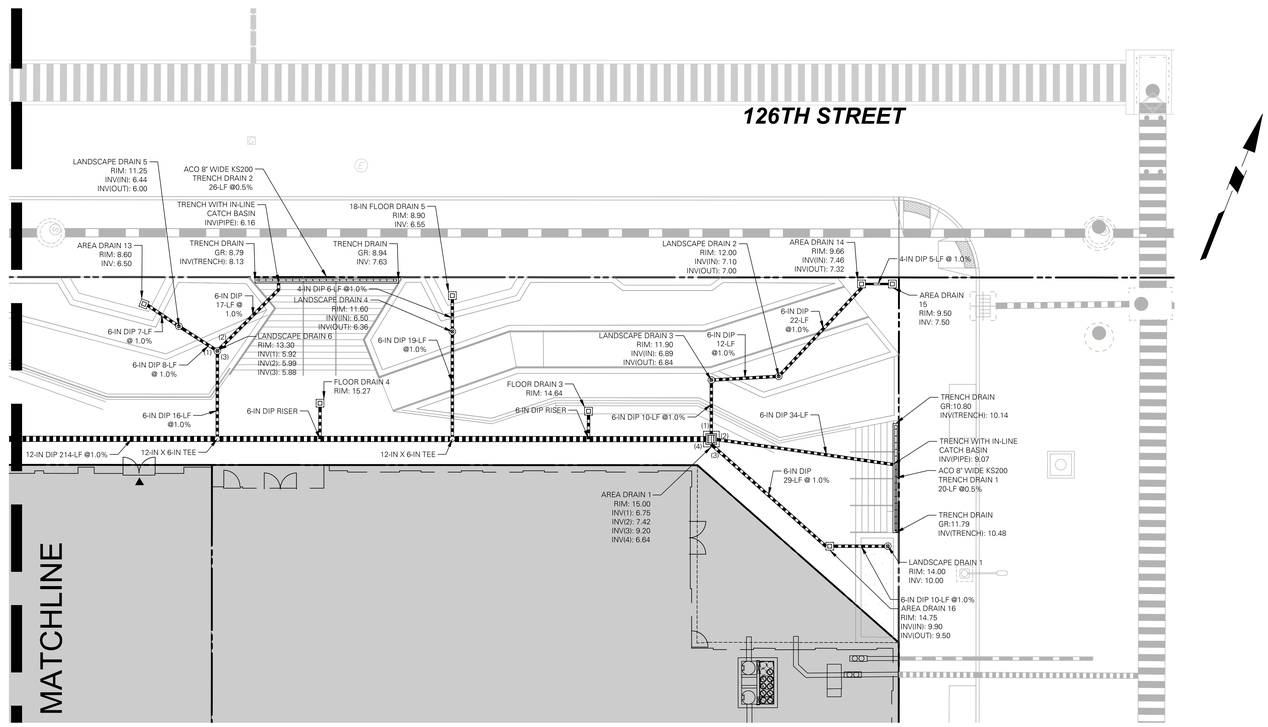
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Project No. 170197675

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DRAINAGE PLAN - TRIANGLE - 126TH STREET

SCALE: 1" = 10'



DRAINAGE PLAN - TRIANGLE - 126TH STREET

SCALE: 1" = 10'

NOTES:

1. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL MANHOLES, OUTLET CONTROL STRUCTURES, AREA DRAINS, LANDSCAPE DRAINS, FLOOR DRAINS AND TRENCH DRAINS INDICATING ALL INVERTS, RIMS AND PIPE OPENING ELEVATIONS FOR THE FINAL SITE CONDITIONS. REFER TO REFERENCE LANDSCAPE DRAWINGS FOR FINAL SITE GRADES.

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LEGEND:

- LIMIT OF DISTURBANCE
- LIMIT OF TRIANGLE PARCEL
- BUILDING PARCEL
- BUILDING ENTRANCE
- SPOT ELEVATION (x ##.##)
- STORM SERVICE
- TRENCH DRAIN
- CATCH BASIN
- AREA DRAIN
- FLOOR DRAIN
- LANDSCAPE DRAIN
- DETENTION TANK
- MANHOLE

Date	Description	No.
Revisions		

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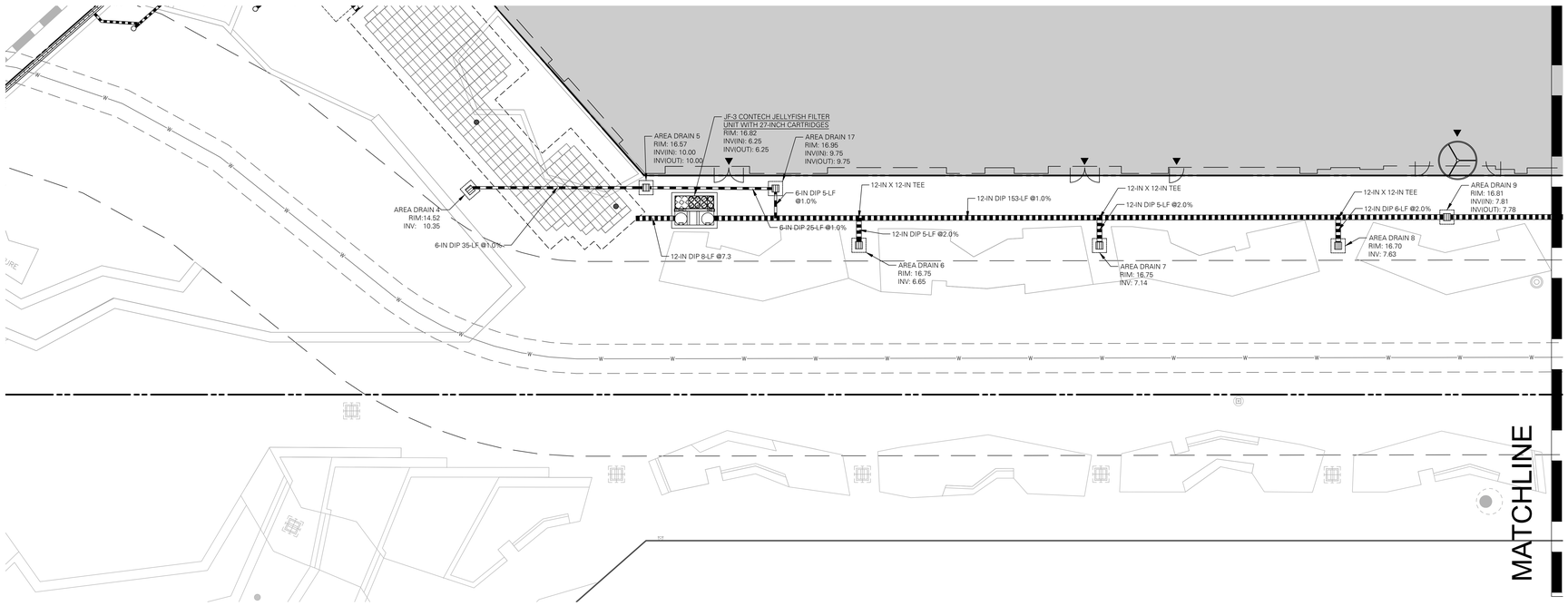
Project
WILLETS POINT
PHASE 2 - TRIANGLE
PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
DRAINAGE PLAN
126TH STREET

Project No.	Drawing No.
170197675	C-311.00
Date: 2/14/2025	
Drawn By: VL/PK	
Checked By: EG	Sheet 12 of 24

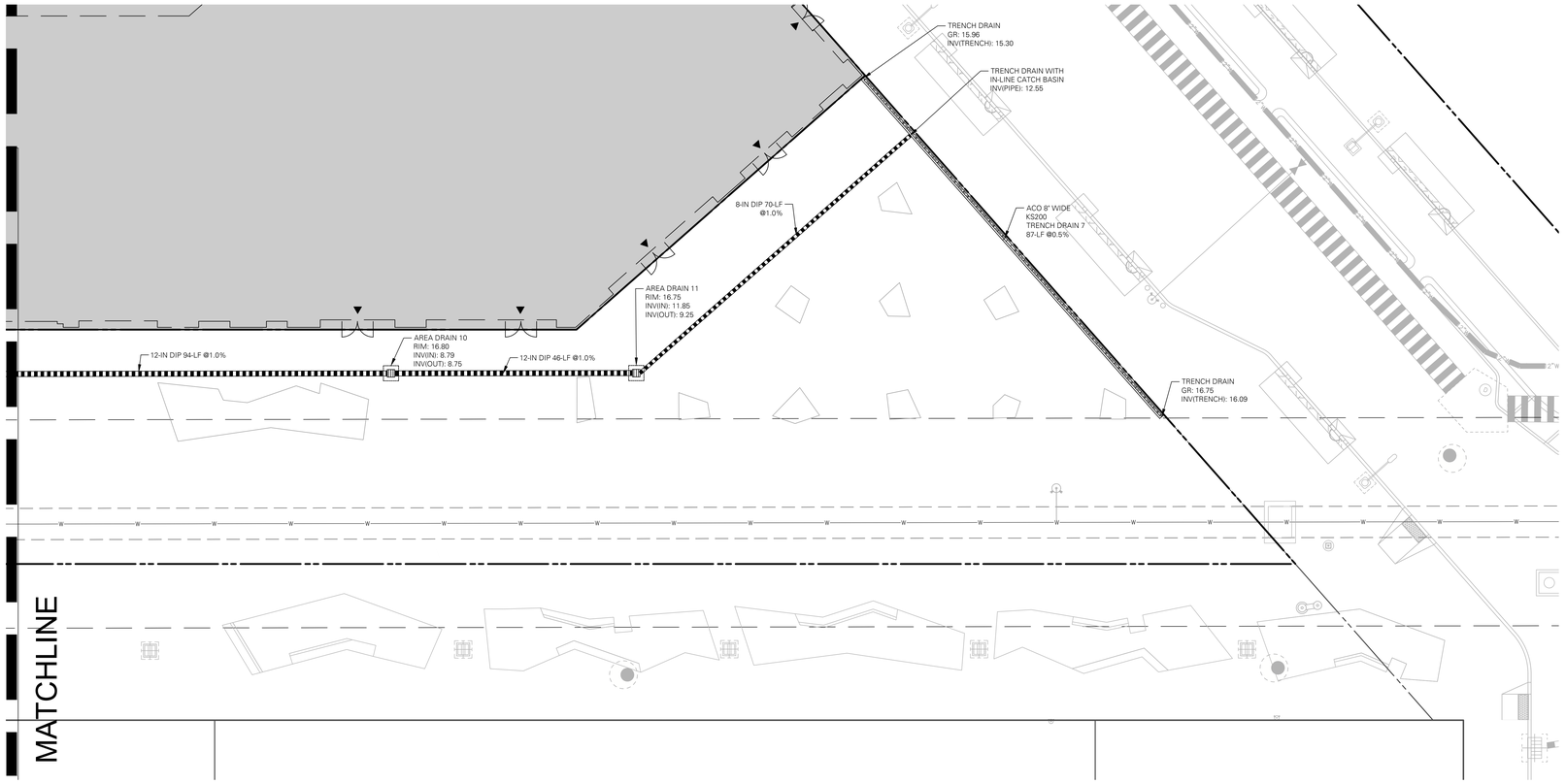
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Project No. 170197675



DRAINAGE PLAN - TRIANGLE - OPEN SPACE PLAZA

SCALE: 1" = 10'



DRAINAGE PLAN - TRIANGLE - OPEN SPACE PLAZA

SCALE: 1" = 10'

NOTES:

1. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL MANHOLES, OUTLET CONTROL STRUCTURES, AREA DRAINS, LANDSCAPE DRAINS, FLOOR DRAINS AND TRENCH DRAINS INDICATING ALL INVERTS, RIMS AND PIPE OPENING ELEVATIONS FOR THE FINAL SITE CONDITIONS. REFER TO REFERENCE LANDSCAPE DRAWINGS FOR FINAL SITE GRADES.

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LEGEND:

- LIMIT OF DISTURBANCE
- LIMIT OF TRIANGLE PARCEL
- BUILDING PARCEL
- BUILDING ENTRANCE
- x ##.## SPOT ELEVATION
- STORM SERVICE
- TRENCH DRAIN
- CATCH BASIN
- AREA DRAIN
- FLOOR DRAIN
- LANDSCAPE DRAIN
- DETENTION TANK
- MANHOLE

Date	Description	No.
Revisions		

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Project
WILLETS POINT
PHASE 2 - TRIANGLE
PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
DRAINAGE PLAN
OPEN SPACE PLAZA

Project No.	Drawing No.
170197675	C-312.00
Date: 2/14/2025	
Drawn By: VL/PK	
Checked By: EG	Sheet 13 of 24

SCALE IN FEET: 20 0 5 10 20

Project No. 170197675

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Date: 4/13/2025 Time: 18:07 User: ekyriacou Style Table: Langan.stb Layout: C-310.00 Document Code: 170197675-0601-CG101-0108



GENERAL NOTES:

1. BACKGROUND INFORMATION TAKEN FROM AN ACTUAL SURVEY TITLED "BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY" FOR WILLETS POINT DEVELOPMENT, PERFORMED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C., DATED OCTOBER 14, 2019, LAST UPDATED JULY 28, 2023.
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LEGEND

- STORM DRAINAGE PIPING AND STRUCTURES TO BE CONSTRUCTED UNDER THIS CONTRACT. DRAINAGE STRUCTURES TO BE CONSTRUCTED TO WITHIN 2-FT BELOW INTERIM GRADE AND CAPPED.
- STORM DRAINAGE PIPING AND STRUCTURES TO BE CONSTRUCTED UNDER THIS CONTRACT. DRAINAGE STRUCTURES TO BE CONSTRUCTED TO FINAL DESIGN GRADE AND PROTECTED.
- STORM DRAINAGE PIPING AND STRUCTURES TO BE CONSTRUCTED UNDER FUTURE CONTRACT.

NOTES:

1. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL MANHOLES, OUTLET CONTROL STRUCTURES, AREA DRAINS, LANDSCAPE DRAINS, FLOOR DRAINS AND TRENCH DRAINS INDICATING ALL INVERTS, RIMS AND PIPE OPENING ELEVATIONS FOR THE FINAL SITE CONDITIONS. REFER TO REFERENCE LANDSCAPE DRAWINGS FOR FINAL SITE GRADES.

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DRAINAGE PLAN - TRIANGLE

SCALE: 1" = 20'

20 0 5 10 20
SCALE IN FEET

Date	Description	No.
Revisions		

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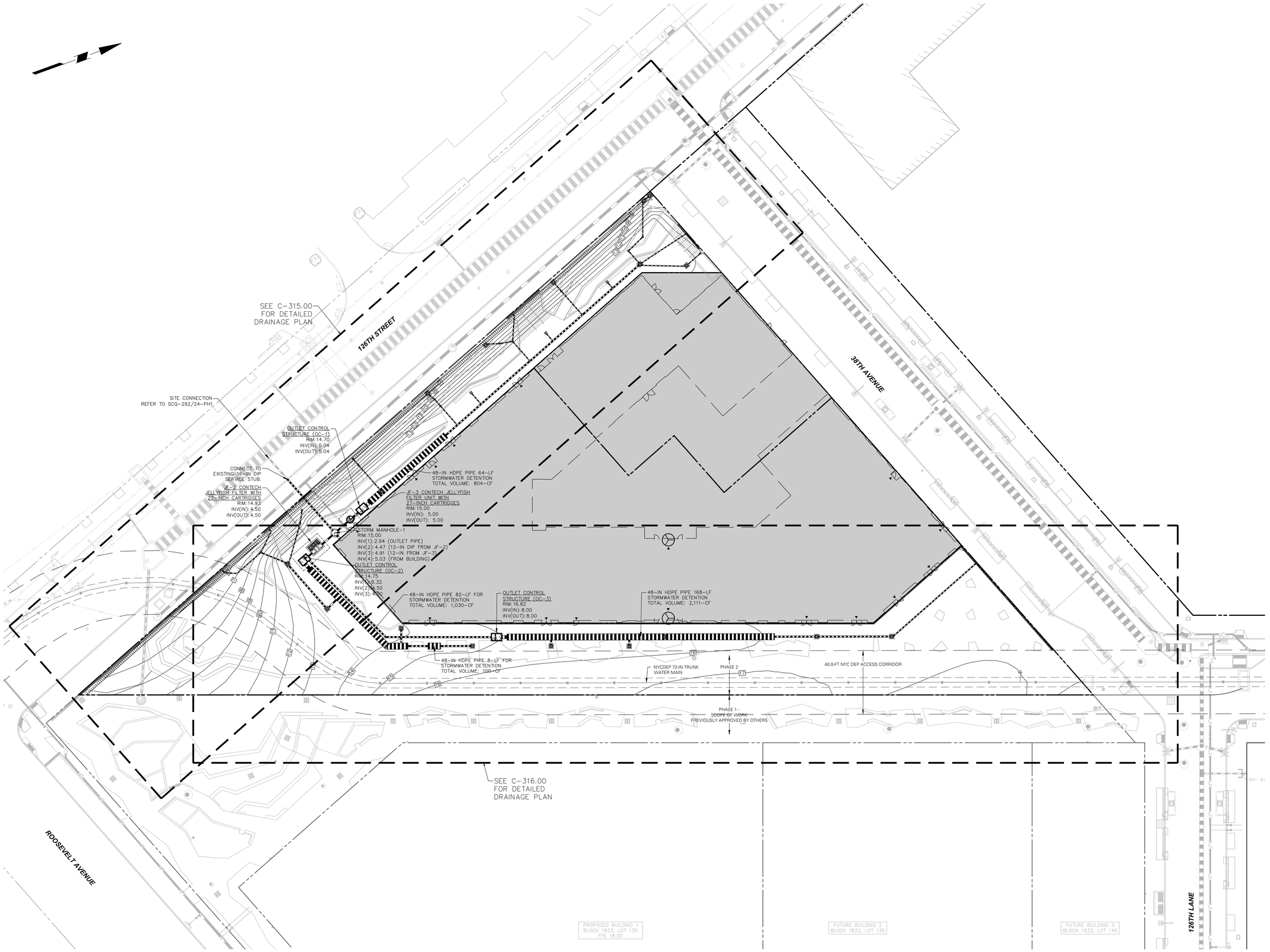
Project
WILLETS POINT
PHASE 2 - TRIANGLE
PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
DRAINAGE PLAN
SCOPE EXHIBIT

Project No.	Drawing No.
170197675	C-313.00
Date: 2/14/2025	
Drawn By: VL/PK	
Checked By: EG	Sheet 14 of 24

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Project No. 170197675



DRAINAGE PLAN - TRIANGLE

SCALE: 1" = 20'

GENERAL NOTES:

1. BACKGROUND INFORMATION TAKEN FROM AN ACTUAL SURVEY TITLED "BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY" FOR WILLETS POINT DEVELOPMENT, PERFORMED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C., DATED OCTOBER 14, 2019, LAST UPDATED JULY 28, 2023.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) WHICH IS 1.625 FEET BELOW THE QUEENS TOPOGRAPHICAL BUREAU DATUM (QBD) AND 1.1 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK, NJ AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY (NGVD29).

LEGEND:

- LIMIT OF DISTURBANCE
- LIMIT OF TRIANGLE PARCEL
- BUILDING PARCEL
- BUILDING ENTRANCE
- x ##.## SPOT ELEVATION
- STORM SERVICE
- TRENCH DRAIN
- CATCH BASIN
- AREA DRAIN
- FLOOR DRAIN
- LANDSCAPE DRAIN
- MANHOLE

NOTES:

1. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL MANHOLES, OUTLET CONTROL STRUCTURES, AREA DRAINS, LANDSCAPE DRAINS, FLOOR DRAINS AND TRENCH DRAINS INDICATING ALL INVERTS, RIMS AND PIPE OPENING ELEVATIONS FOR THE FINAL SITE CONDITIONS. REFER TO REFERENCE LANDSCAPE DRAWINGS FOR FINAL SITE GRADES.

   SHOP DRAWING SHALL INCLUDE NOTE INDICATING THE ELEVATION EACH STRUCTURE WILL BE CONSTRUCTED TO UNDER THIS CONTRACT TO ENSURE BALANCE OF STRUCTURE CAN BE CONSTRUCTED TO FINAL DESIGN GRADE BY OTHERS UNDER SEPARATE CONTRACT.
2. CONTRACTOR SHALL PROVIDE SHOP DRAWING OF SITE DRAINAGE PIPING SYSTEMS DETAILING ALL PIPES, FITTINGS AND INVERTS FOR THE FINAL SITE CONDITIONS.

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3. CONTRACTOR SHALL COORDINATE SLEEVE ELEVATIONS FOR ALL PIPE PENETRATIONS THROUGH SITE WALLS/STRUCTURES WITH THE STRUCTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION.
4. CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY OF ENTIRE SITE DRAINAGE SYSTEM FOR ENGINEER APPROVAL PRIOR TO BACKFILLING TO CONTRACT ROUGH/INTERIM GRADES.

20 0 5 10 20
SCALE IN FEET

Date	Description	No.
Revisions		

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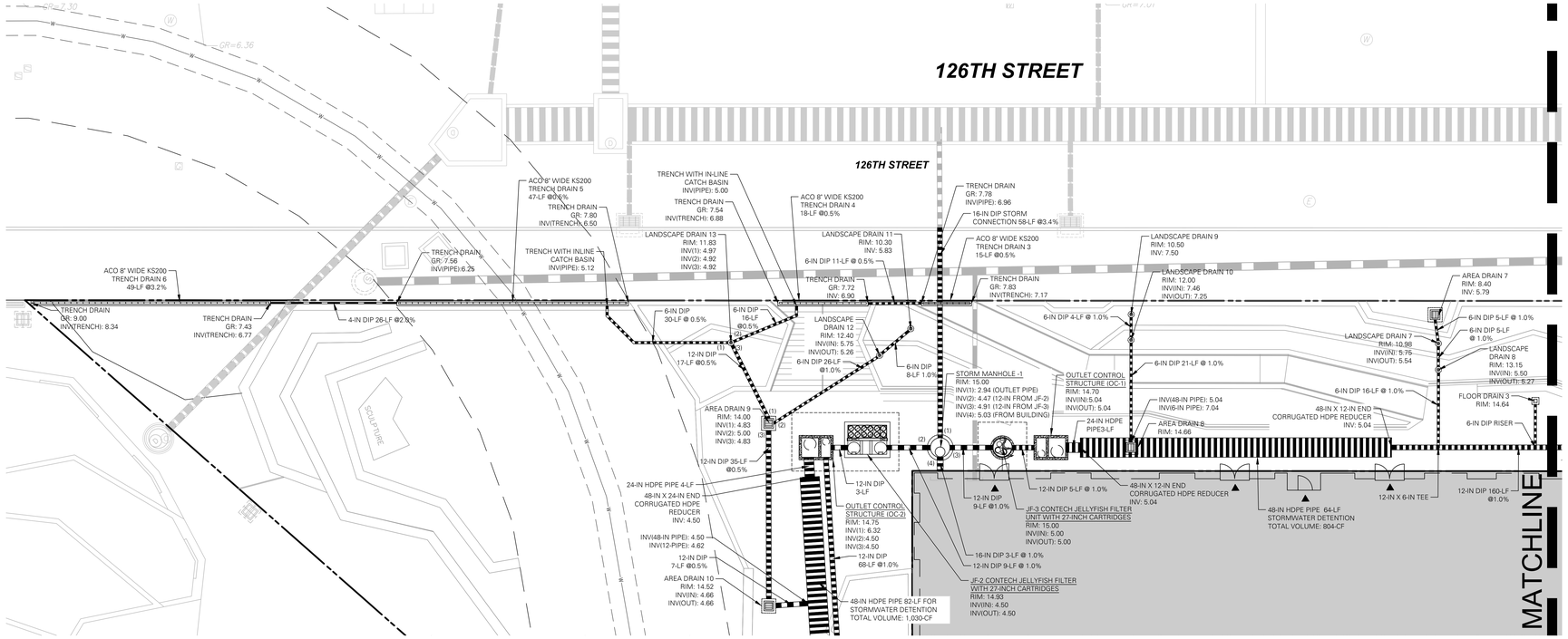
Project
WILLETS POINT
PHASE 2 - TRIANGLE
PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
ADD ALTERNATE
DRAINAGE PLAN

Project No.	Drawing No.
170197675	C-314.00
Date: 3/30/2025	
Drawn By: JA	
Checked By: KS	Sheet 15 of 24

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Project No. 170197675



DRAINAGE PLAN - TRIANGLE - 126TH STREET

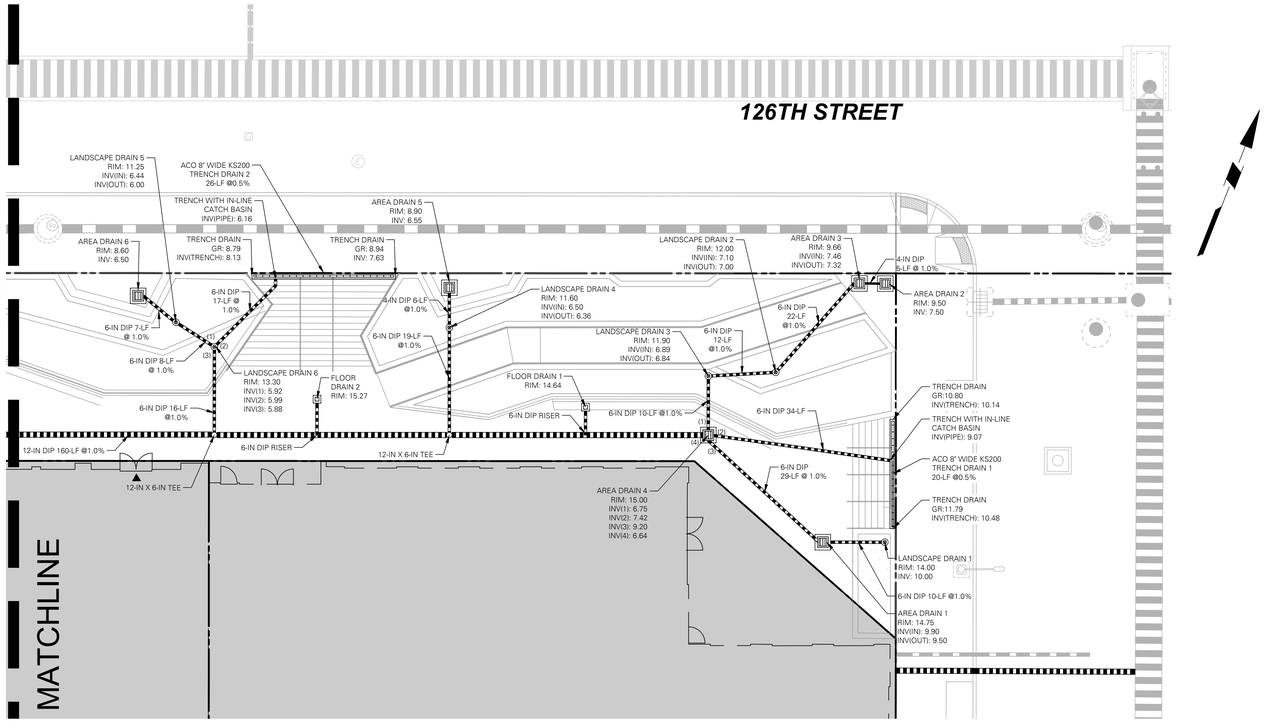
SCALE: 1" = 10'

GENERAL NOTES:

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LEGEND:

- LIMIT OF DISTURBANCE
- LIMIT OF TRIANGLE PARCEL
- BUILDING PARCEL
- BUILDING ENTRANCE
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- STORM SERVICE
- TRENCH DRAIN
- CATCH BASIN
- AREA DRAIN
- FLOOR DRAIN
- LANDSCAPE DRAIN
- MANHOLE



DRAINAGE PLAN - TRIANGLE - 126TH STREET

SCALE: 1" = 10'

NOTES:

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Project

WILLETS POINT
PHASE 2 - TRIANGLE
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CORONA
QUEENS COUNTY NEW YORK

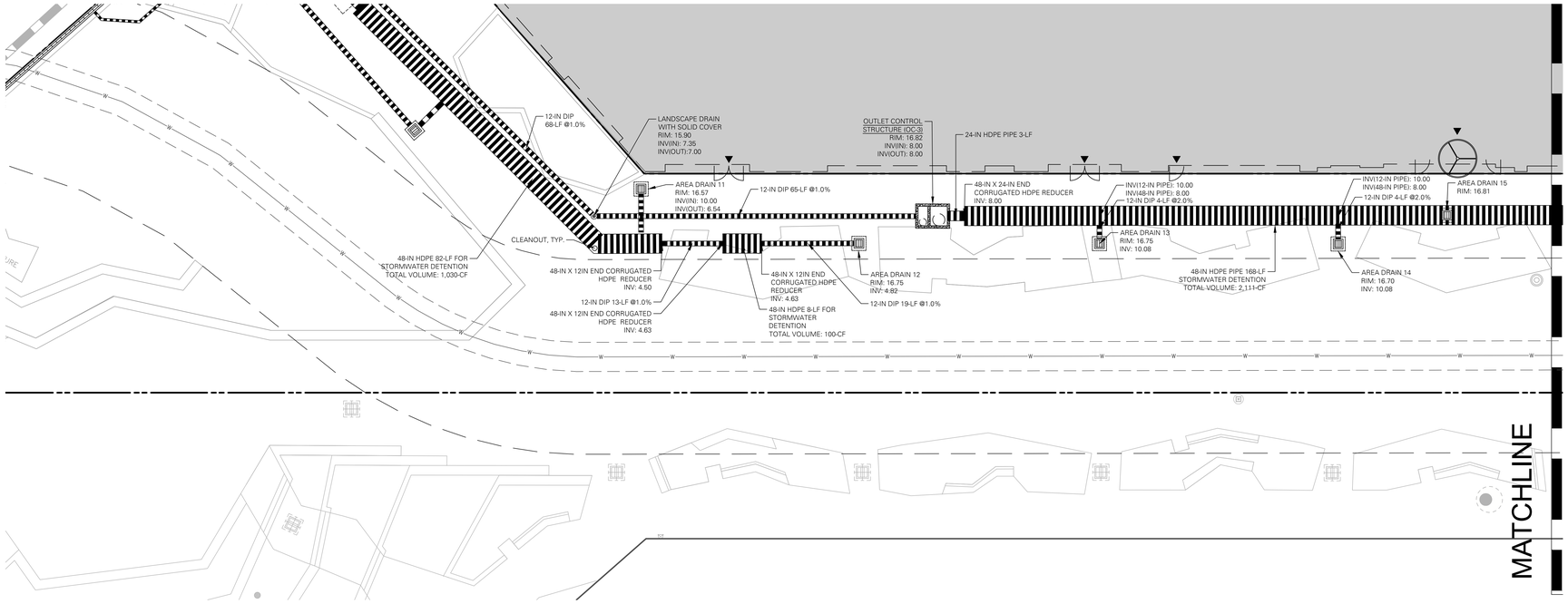
Drawing Title

ADD ALTERNATE
DRAINAGE PLAN
126TH STREET

Project No. 170197675	Drawing No. C-315.00
Date 3/28/2025	
Drawn By JA	
Checked By KS	Sheet 16 of 24

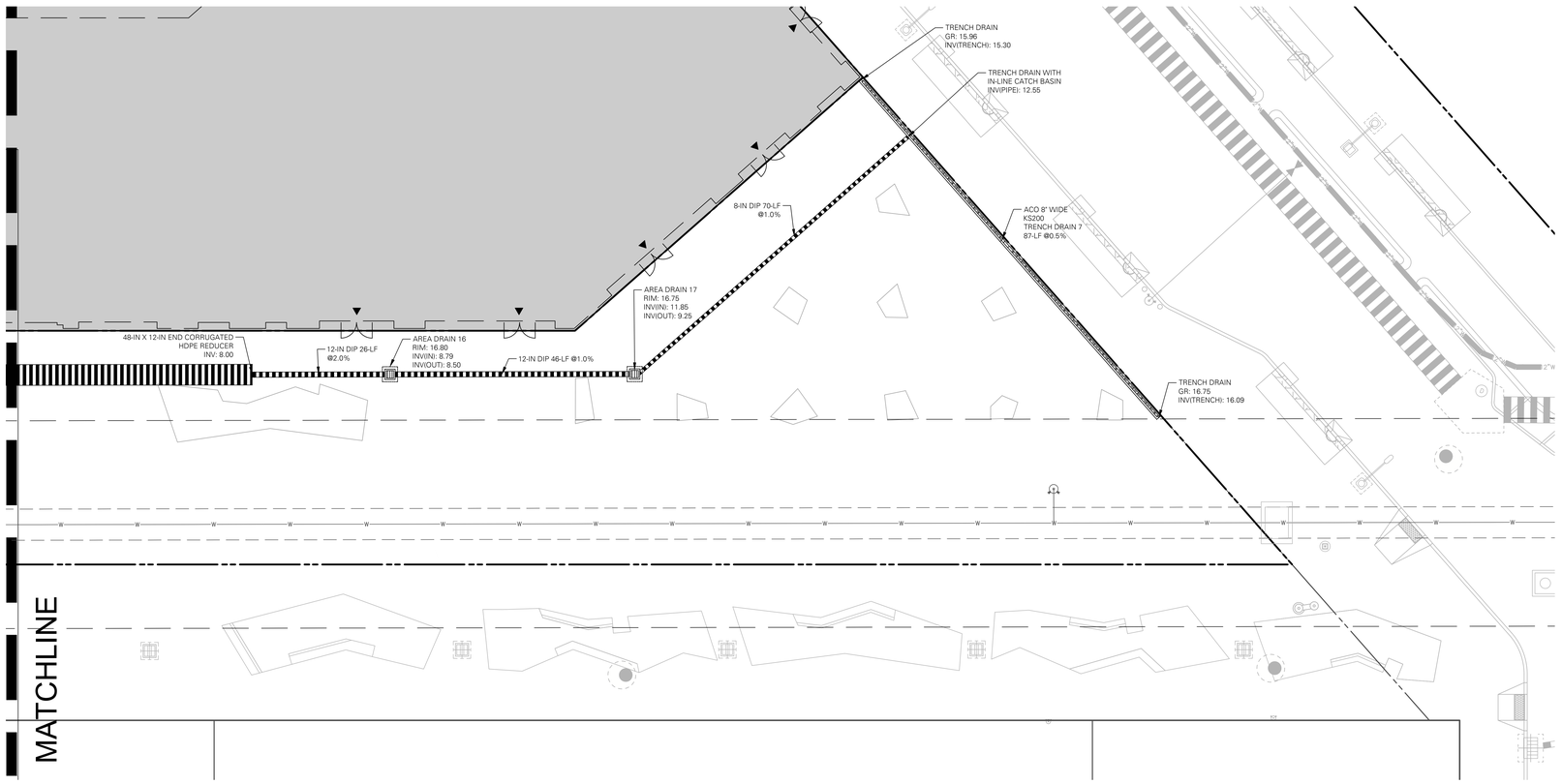
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Project No. 170197675



DRAINAGE PLAN - TRIANGLE - OPEN SPACE PLAZA

SCALE: 1" = 10'



DRAINAGE PLAN - TRIANGLE - OPEN SPACE PLAZA

SCALE: 1" = 10'

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20 0 5 10 20
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Project
WILLETS POINT
PHASE 2 - TRIANGLE
PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
ADD ALTERNATE
DRAINAGE PLAN
OPEN SPACE PLAZA

Project No.	Drawing No.
170197675	C-316.00
Date: 3/28/2025	
Drawn By: JA	
Checked By: KS	Sheet 17 of 24

Project No. 170197675

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GENERAL NOTES:

1. BACKGROUND INFORMATION TAKEN FROM AN ACTUAL SURVEY TITLED "BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY" FOR WILLETS POINT DEVELOPMENT, PERFORMED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C., DATED OCTOBER 14, 2019, LAST UPDATED JULY 28, 2023.
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LEGEND

- STORM DRAINAGE PIPING AND STRUCTURES TO BE CONSTRUCTED UNDER THIS CONTRACT. DRAINAGE STRUCTURES TO BE CONSTRUCTED TO WITHIN 2-FT BELOW INTERIM GRADE AND CAPPED.
- STORM DRAINAGE PIPING AND STRUCTURES TO BE CONSTRUCTED UNDER THIS CONTRACT. DRAINAGE STRUCTURES TO BE CONSTRUCTED TO FINAL DESIGN GRADE AND PROTECTED.
- STORM DRAINAGE PIPING AND STRUCTURES TO BE CONSTRUCTED UNDER FUTURE CONTRACT.

NOTES:

1. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL MANHOLES, OUTLET CONTROL STRUCTURES, AREA DRAINS, LANDSCAPE DRAINS, FLOOR DRAINS AND TRENCH DRAINS INDICATING ALL INVERTS, RIMS AND PIPE OPENING ELEVATIONS FOR THE FINAL SITE CONDITIONS. REFER TO REFERENCE LANDSCAPE DRAWINGS FOR FINAL SITE GRADES.

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DRAINAGE PLAN - TRIANGLE

SCALE: 1" = 20'

20 0 5 10 20
SCALE IN FEET

Date	Description	No.
Revisions		

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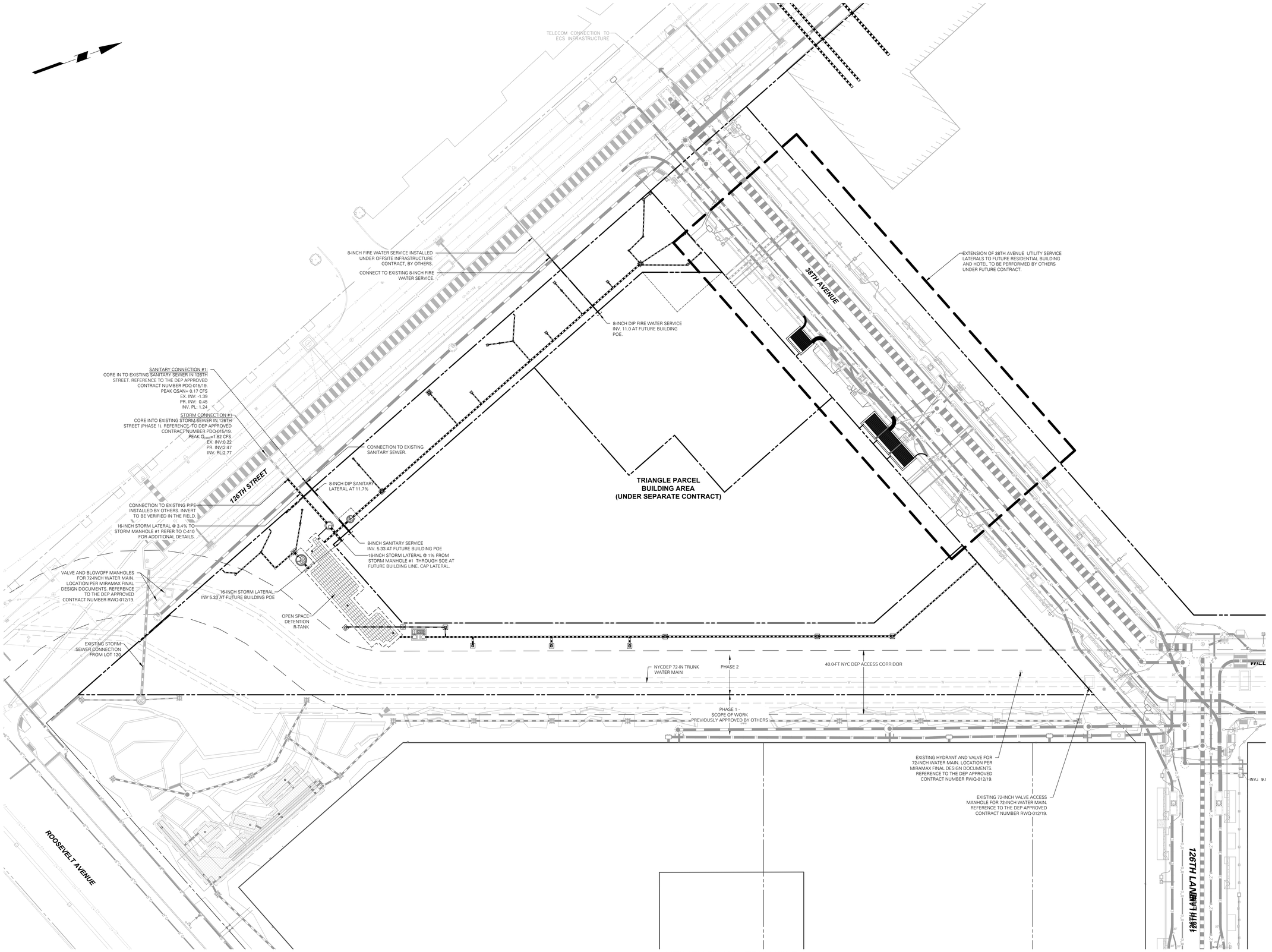
Drawing Title
ADD ALTERNATE
DRAINAGE PLAN
SCOPE EXHIBIT

Project No.	Drawing No.
170197675	C-317.00
Date: 3/30/2025	
Drawn By: JA	
Checked By: KS	Sheet 18 of 24

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LANGAN



UTILITY PLAN - TRIANGLE
SCALE: 1" = 20'

20 0 5 10 20
SCALE IN FEET

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UTILITY NOTES:

1. CONTRACTOR TO EXTEND 8-INCH FIRE WATER SERVICE LATERAL FROM 126TH STREET CURB LINE TO MINIMUM 1-FT PAST SUPPORT OF EXCAVATION AT FUTURE BUILDING LINE. SECURELY CAP AND PROVIDE AS-BUILT SURVEY OF LATERAL LOCATION AND INVERTS AT THE LINE OF SOE.
2. CONTRACTOR TO EXTEND 8-INCH SANITARY SERVICE LATERAL FROM 126TH STREET CURB LINE TO MINIMUM 1-FT PAST SUPPORT OF EXCAVATION AT FUTURE BUILDING LINE. SECURELY CAP AND PROVIDE AS-BUILT SURVEY OF LATERAL LOCATION AND INVERTS AT THE LINE OF SOE.
3. CONTRACTOR TO EXTEND 16-INCH STORM LATERAL FROM 126TH STREET CURB LINE TO MINIMUM 1-FT PAST SUPPORT OF EXCAVATION AT FUTURE BUILDING LINE. SECURELY CAP AND PROVIDE AS-BUILT SURVEY OF LATERAL LOCATION AND INVERTS AT THE LINE OF SOE.
4. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR SERVICE LATERALS SHOWING INVERTS AND SLEEVES THROUGH SOE AND LANDSCAPE WALLS FOR ENGINEERS APPROVAL.

Date	Description	No.

Revisions

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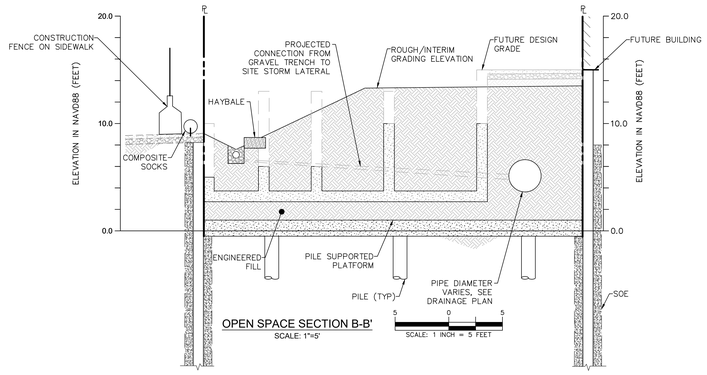
Project
WILLETS POINT
PHASE 2 - TRIANGLE PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
UTILITY PLAN

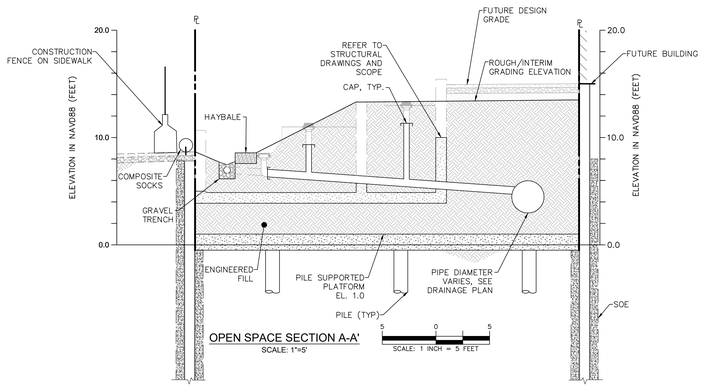
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Date 2/14/2025	
Drawn By VL/PK	
Checked By EG	Sheet 19 of 24

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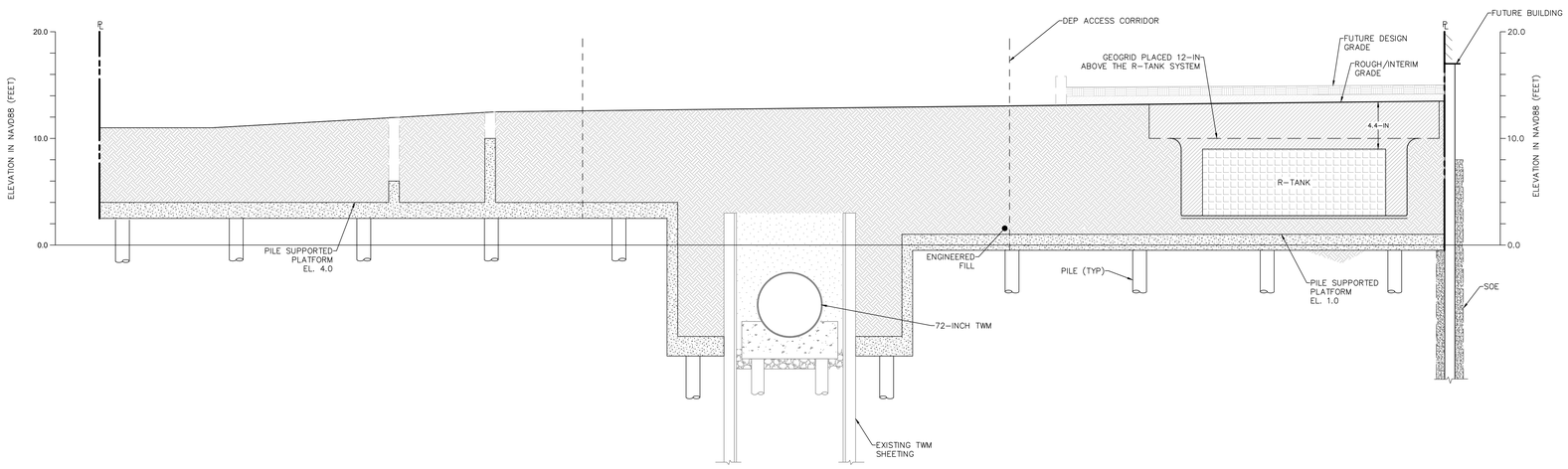
Project No. 170197675



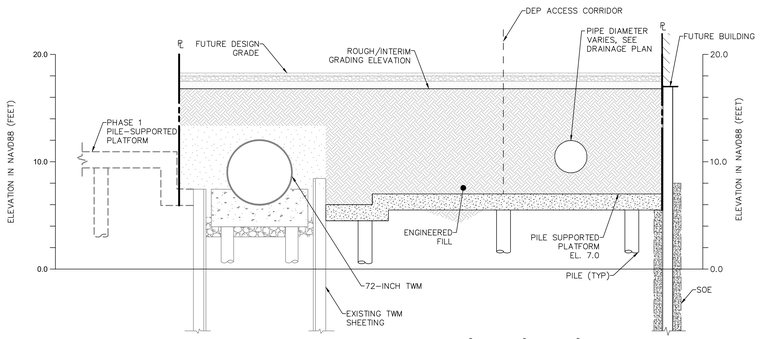
OPEN SPACE SECTION B-B'
SCALE: 1"=5'
SCALE: 1 INCH = 5 FEET



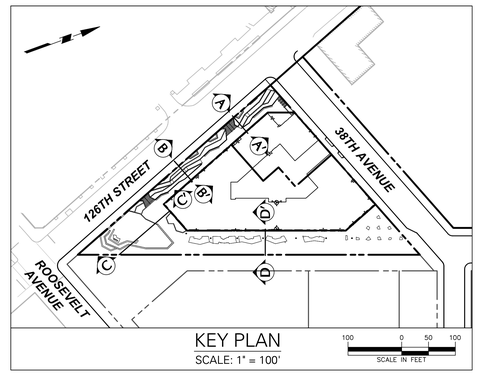
OPEN SPACE SECTION A-A'
SCALE: 1"=5'
SCALE: 1 INCH = 5 FEET



OPEN SPACE SECTION C-C'
SCALE: 1"=5'
SCALE: 1 INCH = 5 FEET



OPEN SPACE SECTION D-D'
SCALE: 1"=5'
SCALE: 1 INCH = 5 FEET



KEY PLAN
SCALE: 1" = 100'
100 0 50 100
SCALE IN FEET

GENERAL NOTES:

1. BACKGROUND INFORMATION TAKEN FROM AN ACTUAL SURVEY TITLED "BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY" FOR WILLETS POINT DEVELOPMENT, PERFORMED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C., DATED OCTOBER 14, 2019, LAST UPDATED JULY 28, 2023.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) WHICH IS 1.625 FEET BELOW THE QUEENS TOPOGRAPHICAL BUREAU DATUM (QBD) AND 1.1 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK, NJ AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY (NGVD29).

Date	Description	No.
Revisions		

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SIGNATURE DATE SIGNED
MICHELE O'CONNOR
PROFESSIONAL ENGINEER NY Lic. No. 086302

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P. 212-801-1000

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GREAT NECK, NY 11021
P. 516-773-3800

LANDSCAPE ARCHITECT:
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Member of WSP
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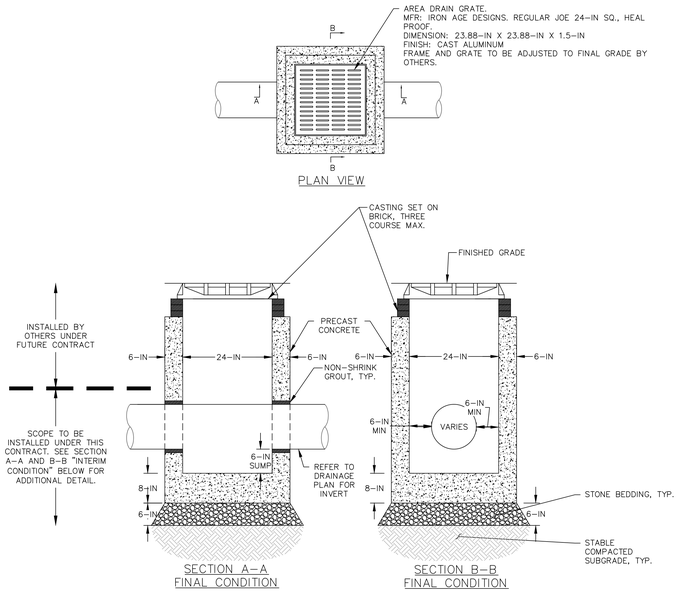
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Date: 2/14/2025	
Drawn By: VL/PK	
Checked By: EG	

Sheet 20 of 24

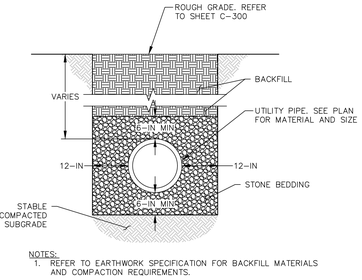
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Project No. 170197675



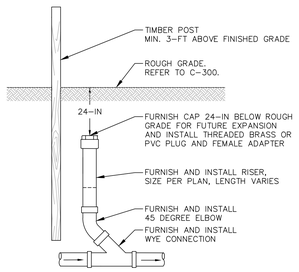
NOTES:
1. ALL SECTIONS SHALL CONFORM TO ASTM C–478, LATEST REVISION STANDARD SPECIFICATIONS FOR PRECAST REINFORCED MANHOLE SECTIONS.
2. RISER SECTIONS TO BE FURNISHED IN 1, 2, 3 OR 4–FT HEIGHTS AS REQUIRED.
3. LOADING TO CONFORM TO AASHTO H–20 LOADING
4. REBAR TO CONFORM TO ASTM A496–A615 Fs = 60,000 PSI
5. CONCRETE TO BE 4,000 PSI @ 28 DAYS
6. FLAT SLAB TOPS (NO JOINT) MUST HAVE TOP AND BOTTOM STEEL.
7. ALL PIPE PENETRATIONS SHALL BE FLUSH WITH THE INSIDE WALLS OF THE PRECAST STRUCTURE. PIPE CONNECTIONS SHALL BE GROUTED FIRMLY AND NEATLY IN PLACE.
8. REFER TO EARTHWORK SPECIFICATION FOR BACKFILL MATERIAL AND COMPACTION REQUIREMENTS.

1 AREA DRAIN
NTS

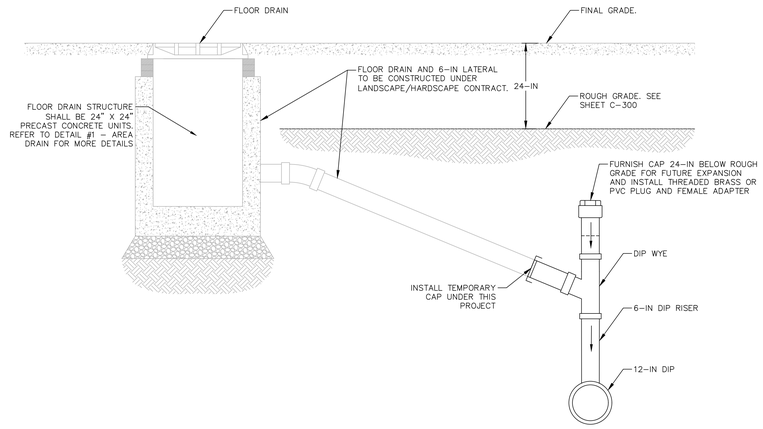


NOTES:
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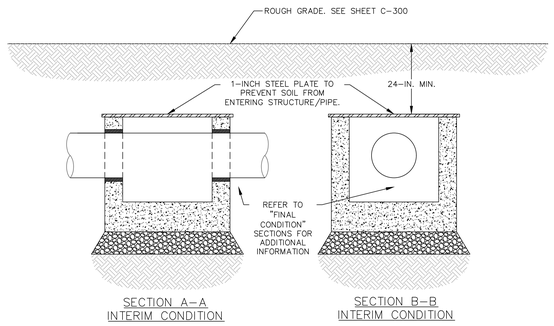
2 STORM/SANITARY DRAIN PIPE TRENCH
NTS



3 TYPICAL UTILITY CAP
NTS

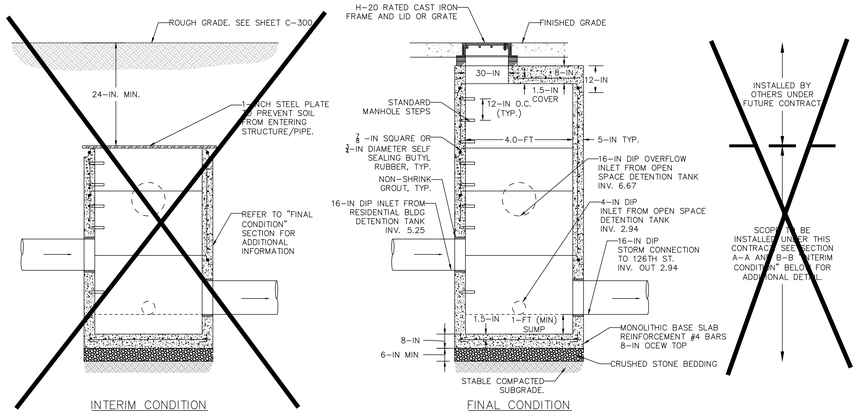


4 6-IN RISER CONNECTION TO FLOOR DRAIN
NTS



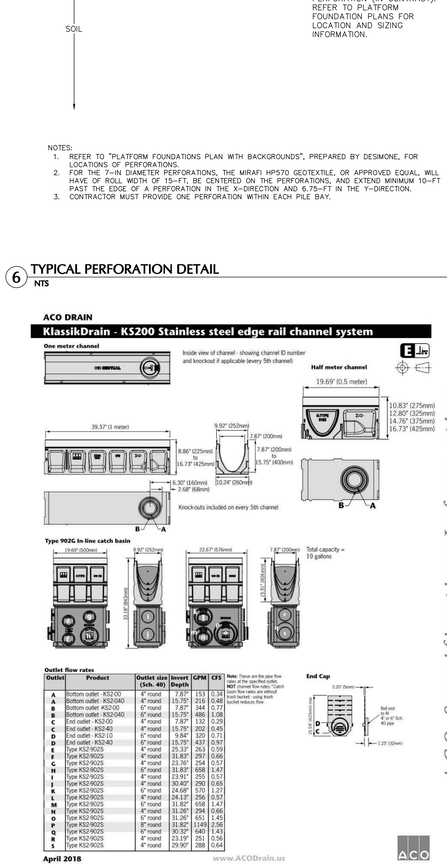
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6. FLAT SLAB TOPS (NO JOINT) MUST HAVE TOP AND BOTTOM STEEL.
7. STEPS TO BE CAST IRON OR STEEL REINFORCED COPOLYMER POLYPROPYLENE.
8. ALL PIPE PENETRATIONS SHALL BE FLUSH WITH THE INSIDE WALLS OF THE PRECAST CONCRETE STRUCTURES. PIPE CONNECTIONS SHALL BE GROUTED FIRMLY AND NEATLY IN PLACE.
9. REFER TO EARTHWORK SPECIFICATION FOR BACKFILL MATERIAL AND COMPACTION REQUIREMENTS.

5 STORM MANHOLE-1
NTS

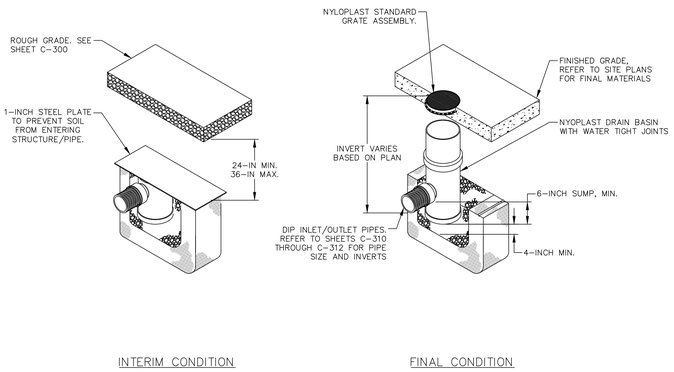


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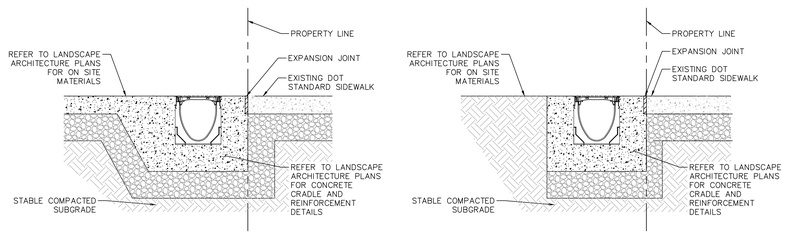
6 TYPICAL PERFORATION DETAIL
NTS



NOTES:
1. REFER TO "PLATFORM FOUNDATIONS PLAN WITH BACKGROUNDS", PREPARED BY DESIMONE, FOR LOCATIONS OF PERFORATIONS.
2. FOR THE 7–IN DIAMETER PERFORATIONS, THE MIRAFI HP570 GEOTEXTILE, OR APPROVED EQUAL, WILL HAVE OF ROLL WIDTH OF 15–FT, BE CENTERED ON THE PERFORATIONS, AND EXTEND MINIMUM 10–FT PAST THE EDGE OF A PERFORATION IN THE X–DIRECTION AND 6.75–FT IN THE Y–DIRECTION.
3. CONTRACTOR MUST PROVIDE ONE PERFORATION WITHIN EACH PILE BAY.



7 LANDSCAPE DRAIN
NTS



NOTES:
1. TRENCH DRAIN SHALL BE MODEL KS200 MANUFACTURED ACO DRAIN, OR APPROVED EQUAL. REFER TO LANDSCAPE ARCHITECTURE PLANS FOR GRATE INFORMATION.
2. REFER TO DRAWING C–310 THROUGH C–312 FOR TRENCH DRAIN RIM AND INVERT

8 TYPICAL TRENCH DRAIN
NTS

ACO Specification Information

Date	Description	No.
Revisions		

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MPFP
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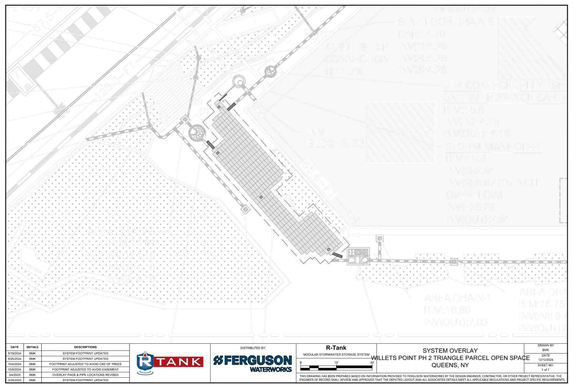
Project
WILLETS POINT PHASE 2 - TRIANGLE PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
SITE DETAILS

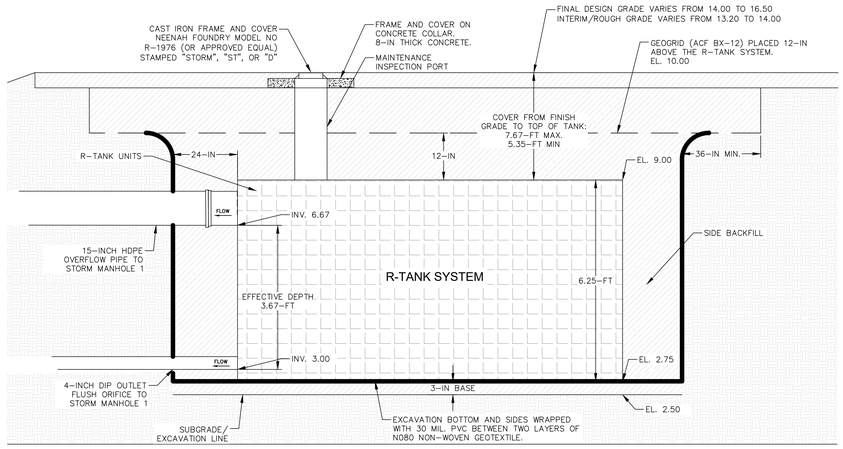
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170197675	C-410.00
Date: 03/28/2025	
Drawn By: VL/PK	
Checked By: EG	Sheet 21 of 24

Project No. 170197675

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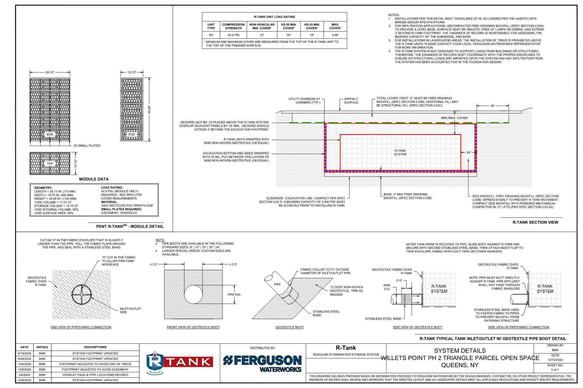


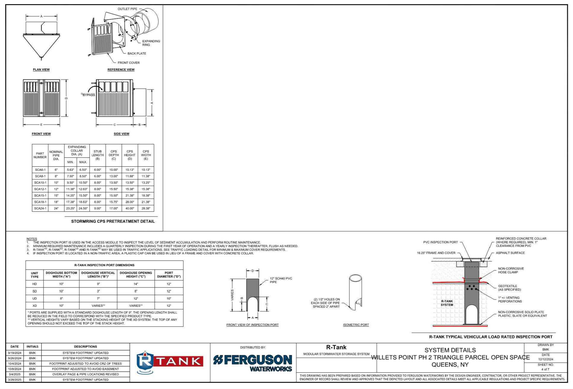
9 R-TANK SYSTEM LAYOUT
NTS



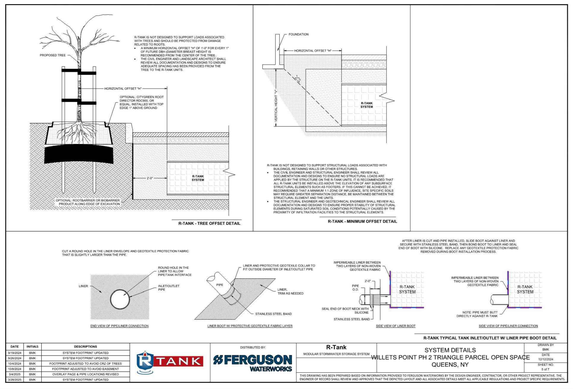
NOTES:
1. REFER TO R-TANK PLANS AND SPECIFICATIONS FOR DETAILS.
2. ALL HDPE PIPE AND FITTING JOINTS SHALL BE WATERTIGHT.
3. ALL DETENTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, LATEST EDITION AND THE MANUFACTURER'S PUBLISHED INSTALLATION GUIDELINES.
4. MEASURES SHOULD BE TAKEN TO PREVENT THE MIGRATION OF NATIVE FINES INTO THE BACKFILL MATERIAL, WHEN REQUIRED. SEE ASTM D2321.

10 STORMWATER DETENTION R-TANK DETAIL - OPEN SPACE
NTS





11 R-TANK SYSTEM DETAILS
NTS



12 R-TANK SYSTEM DETAILS
NTS

13 R-TANK SYSTEM DETAILS
NTS

DATE	INITIALS	DESCRIPTIONS	DESIGN BY
8/15/2024	MAK	SYSTEM FOOTPRINT UPDATED	MAK
9/27/2024	MAK	SYSTEM FOOTPRINT UPDATED	DATE
10/4/2024	MAK	FOOTPRINT ADJUSTED TO AVOID ONE OF TREES	10/4/2024
12/6/2024	MAK	FOOTPRINT ADJUSTED TO AVOID EASEMENT	SHEET NO.
3/28/2025	MAK	OVERLAP FENCE & PATH LOCATIONS REVISED	9 of 9
4/1/2025	MAK	SYSTEM FOOTPRINT UPDATED	

DISTRIBUTED BY: FERGUSON WATERWORKS

R-Tank — MODULAR STORMWATER STORAGE SYSTEMS

SYSTEM OVERLAY
WILLETS POINT PH 2 TRIANGLE PARCEL OPEN SPACE
QUEENS, NY

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ENGAUGE WATERWORKS BY THE ENGINEER (ENGINEER, CONTRACTOR, OR OTHER PROJECT REPRESENTATIVE). THE ENGINEER OF RECORD SHALL REVIEW AND APPROVE THAT THE DEPICTED LAYOUT AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE REGULATIONS AND PROJECT SPECIFIC REQUIREMENTS.

Date	Description	No.
Revisions		

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Drawing Title
SITE DETAILS

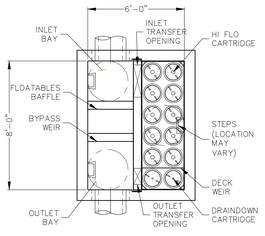
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Drawn By	VL/PK
Checked By	EG

C-411.00

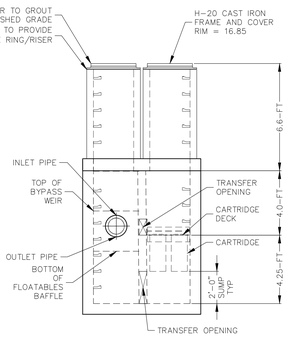
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Project No. 170197675



PLAN VIEW
(TOP SLAB NOT SHOWN FOR CLARITY)



ELEVATION VIEW OF JF-3

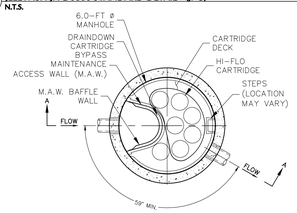


FRAME AND COVER
(DIAMETER VARIES)
NOT TO SCALE

GENERAL NOTES:
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS REPRESENTATIVE. www.ContechES.com
3. JELLYFISH WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. STRUCTURE SHALL MEET AASHTO HS-20 OR PER APPROVING JURISDICTION REQUIREMENTS, WHICHEVER IS MORE STRINGENT, ASSUMING EARTH COVER OF 0' – 10', AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 LOAD RATING AND BE CAST WITH THE CONTECH LOGO.
5. STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-857, ASTM C-918, AND AASHTO LOAD FACTOR DESIGN METHOD.
6. OUTLET PIPE INVERT IS EQUAL TO THE CARTRIDGE DECK ELEVATION.
7. THE OUTLET PIPE DIAMETER FOR NEW INSTALLATIONS IS RECOMMENDED TO BE ONE PIPE SIZE LARGER THAN THE INLET PIPE AT EQUAL OR GREATER SLOPE.
8. NO PRODUCT SUBSTITUTIONS SHALL BE ACCEPTED UNLESS SUBMITTED 10 DAYS PRIOR TO PROJECT BID DATE, OR AS DIRECTED BY THE ENGINEER OF RECORD.

JELLYFISH FILTER UNIT (REFER TO PLAN)	UNIT SIZING	HI FLO CARTRIDGE	DRAINDOWN CARTRIDGE	TREATMENT PROVIDED (CFS)	INV. IN	INV. OUT	RIM EL.
JF-2	JF6-6-1	6 (15")	1 (15")	0.32	4.15	4.15	14.93
JF-3	JFPD0806-6-2	6 (27")	2 (27")	0.63	6.25	6.25	16.85
JF-4	JF4-2-1	2 (27")	1 (27")	0.22	4.15	4.15	15.00

1 JELLYFISH JFPD0806 STANDARD DETAIL - (JF-3)
N.T.S.

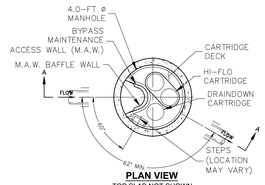


PLAN VIEW
TOP SLAB NOT SHOWN



FRAME AND COVER
(DIAMETER VARIES)
NOT TO SCALE

2 PROPOSED JELLYFISH FILTER UNITS
N.T.S.



PLAN VIEW
TOP SLAB NOT SHOWN



FRAME AND COVER
(DIAMETER VARIES)
NOT TO SCALE

SECTION A-A FOR JF-2

GENERAL NOTES:
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS REPRESENTATIVE. www.ContechES.com
3. JELLYFISH WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. STRUCTURE SHALL MEET AASHTO HS-20 OR PER APPROVING JURISDICTION REQUIREMENTS, WHICHEVER IS MORE STRINGENT, ASSUMING EARTH COVER OF 0' – 3' [305], AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 LOAD RATING AND BE CAST WITH THE CONTECH LOGO.
5. STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.
6. INLET HGL NOT TO EXCEED 9"[229] BELOW THE TOP OF THE M.A.W. DURING THE PEAK DESIGN STORM, OR 10-YEAR STORM (WHICHEVER IS GREATER).
7. OUTLET PIPE INVERT IS EQUAL TO THE CARTRIDGE DECK ELEVATION.
8. THE OUTLET PIPE DIAMETER FOR NEW INSTALLATIONS IS TO BE ONE PIPE SIZE LARGER THAN THE INLET PIPE AT EQUAL OR GREATER SLOPE.
9. THE DIFFERENCE IN THE INLET AND OUTLET PIPE ELEVATIONS FOR RETROFIT INSTALLATIONS TO EXISTING STORM DRAIN PIPES SHALL BE EQUAL TO THE SLOPE OVER THE DIAMETER OF THE MANHOLE; NOT THE EXCEED 6" IN VERTICAL DIFFERENTIAL BETWEEN INLET AND OUTLET PIPES.
10. NO PRODUCT SUBSTITUTIONS SHALL BE ACCEPTED UNLESS SUBMITTED 10 DAYS PRIOR TO PROJECT BID DATE, OR AS DIRECTED BY THE ENGINEER OF RECORD.

3 JELLYFISH JF6-3-1 STANDARD DETAIL - (JF-2)
N.T.S.

SECTION A-A OF JF-4

GENERAL NOTES:
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
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10. NO PRODUCT SUBSTITUTIONS SHALL BE ACCEPTED UNLESS SUBMITTED 10 DAYS PRIOR TO PROJECT BID DATE, OR AS DIRECTED BY THE ENGINEER OF RECORD.

4 JELLYFISH JF4-2-1 STANDARD DETAIL - (JF-4)
N.T.S.

Date	Description	No.
Revisions		

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.

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Project
WILLETS POINT
PHASE 2 - TRIANGLE
PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
SITE DETAILS

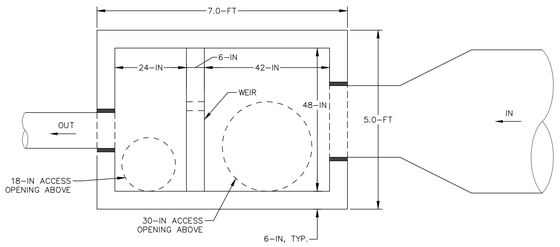
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Checked By	EG

C-412.00
Sheet 23 of 24

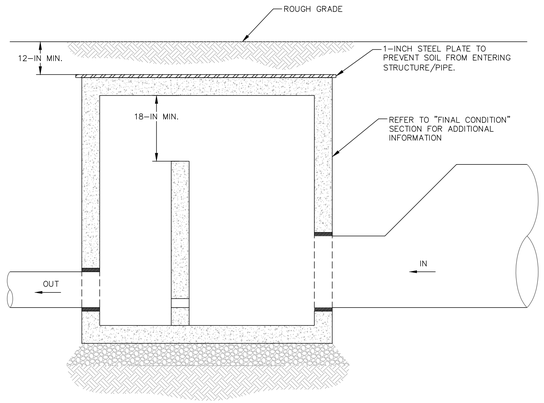
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Project No. 170197675

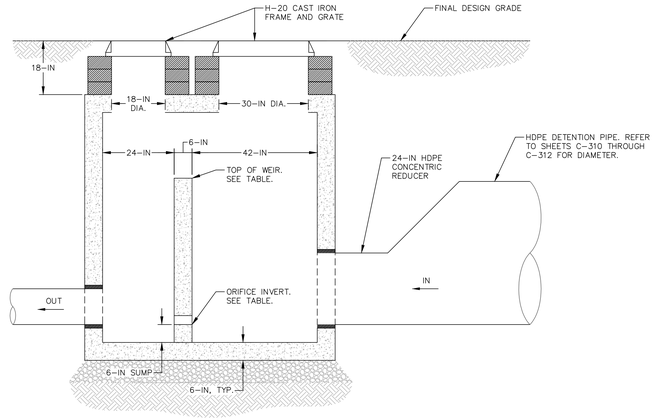
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PLAN VIEW



SECTION VIEW – INTERIM CONDITION



SECTION VIEW – FINAL CONDITION

TABLE A				
STRUCTURE	ORIFICE DIAMETER (INCHES)	ORIFICE INVERT ELEVATION	TOP OF WEIR ELEVATION	TOP OF STRUCTURE ELEVATION
OC-1	4.00	5.04	9.04	11.04
OC-2	4.00	4.50	8.50	10.50
OC-3	4.00	8.00	12.00	14.00

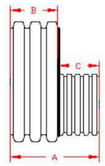
NOTES:
1. ALL SECTIONS SHALL CONFORM TO ASTM C-478, LATEST REVISION STANDARD SPECIFICATIONS FOR PRECAST REINFORCED MANHOLE SECTIONS.
2. LOADING TO CONFORM TO AASHTO H-20 LOADING
3. REBAR TO CONFORM TO ASTM A496-A615 Fs = 60,000 PSI
4. CONCRETE TO BE 4,000 PSI @ 28 DAYS
5. STEPS TO BE CAST IRON OR STEEL REINFORCED COPOLYMER POLYPROPYLENE.
6. ALL PIPE PENETRATIONS SHALL BE FLUSH WITH THE INSIDE WALLS OF THE PRECAST CONCRETE STRUCTURES. PIPE CONNECTIONS SHALL BE GROUTED FIRMLY AND NEATLY IN PLACE.
7. REFER TO EARTHWORK SPECIFICATION FOR BACKFILL MATERIAL AND COMPACTION REQUIREMENTS.

1 OUTLET CONTROL STRUCTURE
NTS

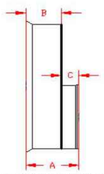
DUAL WALL FABRICATED REDUCERS
48"×12" - 48"×24" DIAMETER

PART #	PIPE SIZE	A	B	C	JOINT
4874AN	48 x 12 in (1200 x 300 mm)	25.0 in (634 mm)	15.8 in (400 mm)	9.2 in (234 mm)	*
4874AN65B	48 x 12 in (1200 x 300 mm)	18.5 in (470 mm)	12.0 in (305 mm)	6.5 in (165 mm)	WT
4875AN	48 x 15 in (1200 x 375 mm)	28.4 in (721 mm)	15.8 in (400 mm)	12.7 in (321 mm)	*
4875AN65B	48 x 15 in (1200 x 375 mm)	19.7 in (501 mm)	12.0 in (305 mm)	7.8 in (197 mm)	WT
4876AN	48 x 18 in (1200 x 450 mm)	28.4 in (721 mm)	15.8 in (400 mm)	12.7 in (321 mm)	*
4876AN65B	48 x 18 in (1200 x 450 mm)	20.9 in (530 mm)	12.0 in (305 mm)	8.9 in (226 mm)	WT
4877AN	48 x 24 in (1200 x 600 mm)	31.3 in (795 mm)	15.8 in (400 mm)	15.6 in (395 mm)	*
4877AN65B	48 x 24 in (1200 x 600 mm)	19.0 in (482 mm)	12.0 in (305 mm)	7.0 in (178 mm)	WT

* = PLAIN END
ST = SOIL TIGHT
WT = WATER TIGHT



PLAIN END



WT (INCLUDES 2 GASKETS)

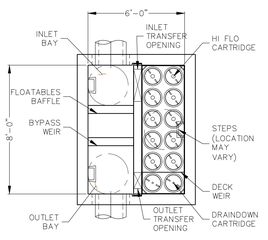
NOTE: ALL FITTINGS DIMENSIONS ARE FOR REFERENCE ONLY

© 2023 Advanced Drainage Systems, Inc.

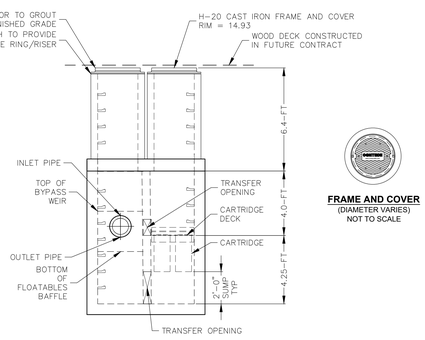
ADS Advanced Drainage Systems, Inc.

DRAWING #	2536	
DRAWN BY:	NJP	07.06.06
APPROVED BY:	JCB	08.26.07
REVISIONS	TJR	9/8/2009

2 ADS DUAL WALL FABRICATED REDUCER
NTS



PLAN VIEW
(TOP SLAB NOT SHOWN FOR CLARITY)

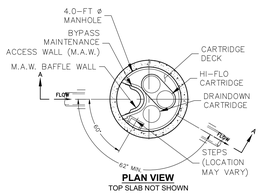


ELEVATION VIEW OF JF-2

FRAME AND COVER
(DIAMETER VARIES)
NOT TO SCALE

GENERAL NOTES:
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3. JELLYFISH WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. STRUCTURE SHALL MEET AASHTO HS-20 OR PER APPROVING JURISDICTION REQUIREMENTS, WHICHEVER IS MORE STRINGENT, ASSUMING EARTH COVER OF 0' – 10', AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 LOAD RATING AND BE CAST WITH THE CONTECH LOGO.
5. STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-857, ASTM C-918, AND AASHTO LOAD FACTOR DESIGN METHOD.
6. OUTLET PIPE INVERT IS EQUAL TO THE CARTRIDGE DECK ELEVATION.
7. THE OUTLET PIPE DIAMETER FOR NEW INSTALLATIONS IS RECOMMENDED TO BE ONE PIPE SIZE LARGER THAN THE INLET PIPE AT EQUAL OR GREATER SLOPE.
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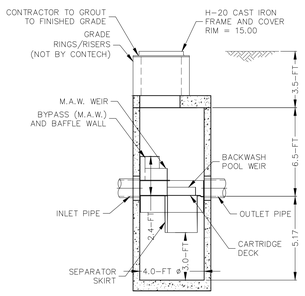
3 JELLYFISH JFPD0806 STANDARD DETAIL - (JF-2)
N.T.S.



PLAN VIEW
TOP SLAB NOT SHOWN



FRAME AND COVER
(DIAMETER VARIES)
NOT TO SCALE



SECTION A-A OF JF-3

GENERAL NOTES:
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
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10. NO PRODUCT SUBSTITUTIONS SHALL BE ACCEPTED UNLESS SUBMITTED 10 DAYS PRIOR TO PROJECT BID DATE, OR AS DIRECTED BY THE ENGINEER OF RECORD.

4 JELLYFISH JF4-2-1 STANDARD DETAIL - (JF-3)
N.T.S.

JELLYFISH FILTER UNIT (REFER TO PLAN)	UNIT SIZING	HI FLO CARTRIDGE	DRAINDOWN CARTRIDGE	TREATMENT PROVIDED (CFS)	INV. IN	INV. OUT	RIM EL.
JF-2	JFPD0806-10-2	10 (27")	2 (27")	0.98	4.50	4.50	14.93
JF-3	JF4-2-1	2 (27")	1 (27")	0.22	5.00	5.00	15.00

5 PROPOSED JELLYFISH FILTER UNITS
N.T.S.

Date	Description	No.
Revisions		

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Project
WILLETS POINT
PHASE 2 - TRIANGLE PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
ADD-ALTERNATE DETAILS

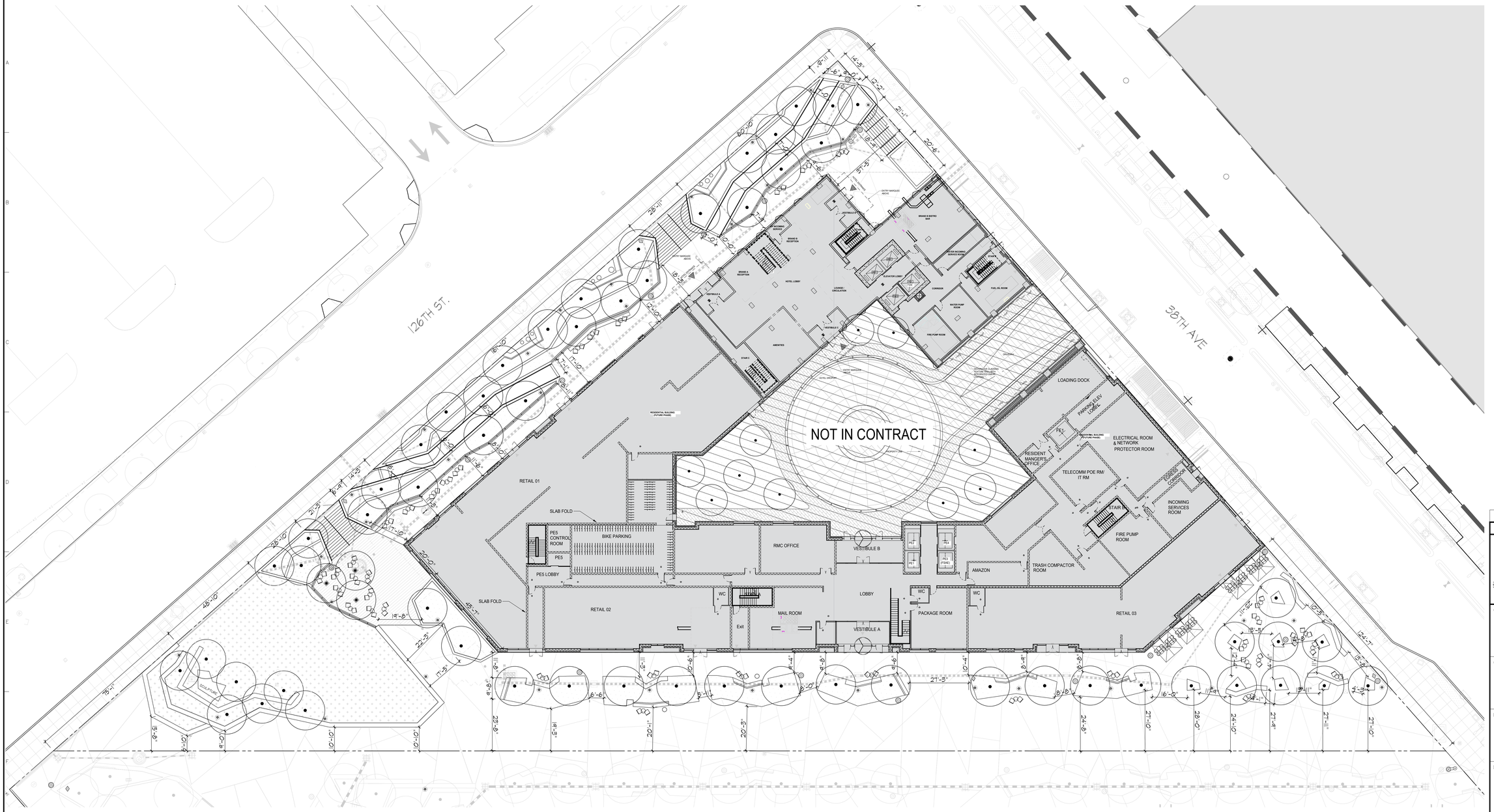
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C-413.00

Sheet 24 of 24

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Project No. 170197675



1 SITE LAYOUT PLAN

SCALE: 1/16"=1'-0"

LEGEND

- ZONING LOT LINE
- BUILDING ABOVE
- CONCRETE PAVING — 1 L600
- WOOD DECK — 3 L600
- LAWN — 4 L601
- PLANTING — 2&3 L601
- PROPOSED TREE — 1 L601
- GUARDRAIL
- TABLE AND CHAIRS — 5 L602
- OPEN SPACE ENTRY SIGN — 1 L604
- TRASH RECEPTACLE — 3 L602
- LIGHTPOLE — 2&2A L603
- DRINKING FOUNTAIN — 8 L602

Date	Description	No.
Revisions		

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Project
PHASE 2 TRIANGLE PARCEL OPEN SPACE LANDSCAPE/ HARDSCAPE
CORONA
QUEENS COUNTY NEW YORK

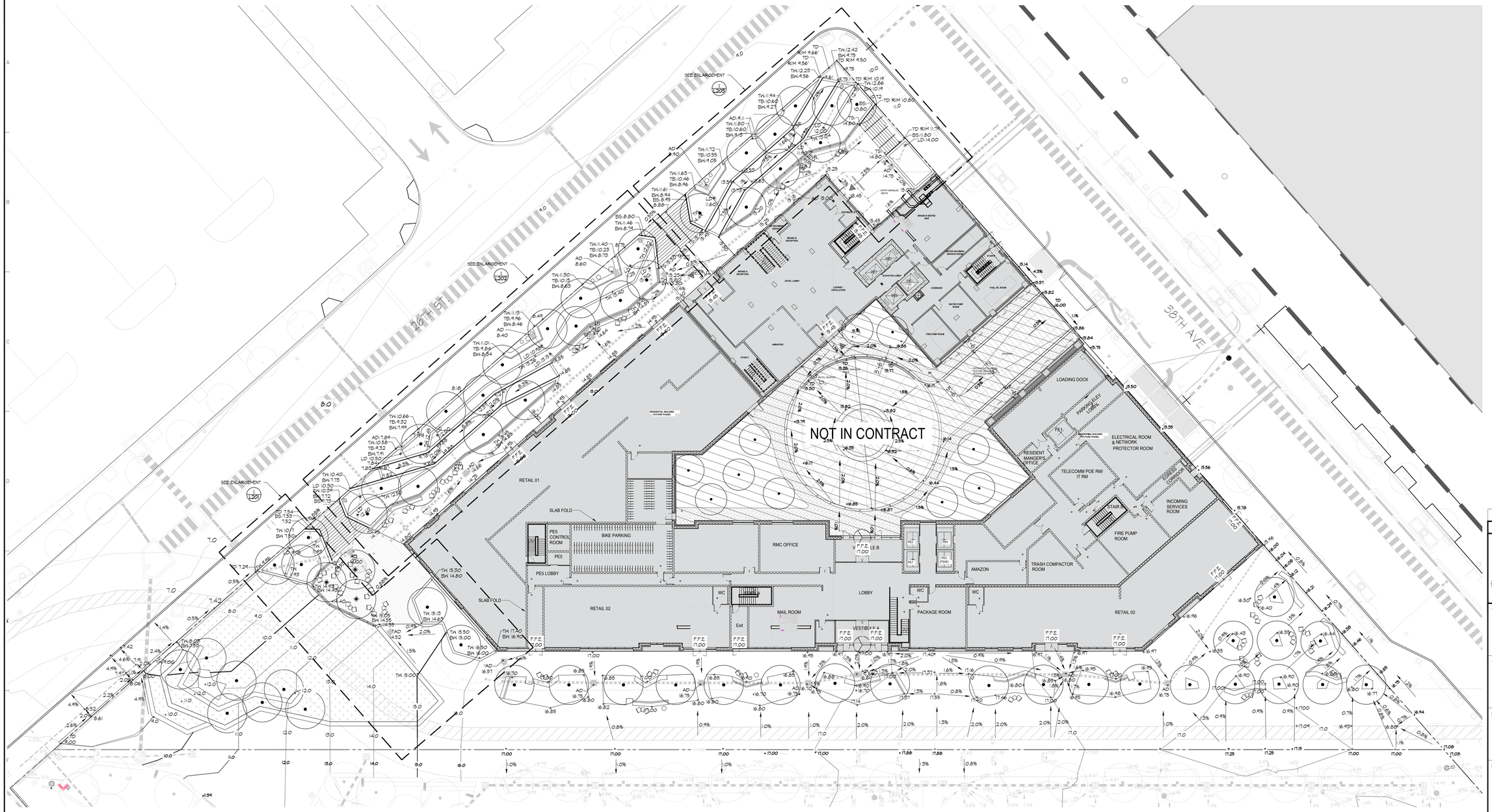
Drawing Title
SITE LAYOUT PLAN

Project No.	Drawing No.
170197675	L-100.00
Date: 03/07/2025	
Drawn By:	
Checked By:	Sheet of 1

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Project No. 170197675



1 SITE GRADING PLAN

SCALE: 1"=20'-0"

GRADING LEGEND

FFE 13.00'	FINISH FLOOR ELEVATION	TC 13.00'	TOP OF CURB
+ 13.00'	FINISH GRADE SPOT ELEVATION	BS 13.00'	BOTTOM OF STAIRS
HP 13.00'	HIGH POINT	TS 13.00'	TOP OF STAIRS
BW 13.00'	BOTTOM OF WALL	13	PROPOSED MAJOR CONTOUR
TW 13.00'	TOP OF WALL		PROPOSED MINOR CONTOUR
	AREA DRAIN		EXISTING CONTOUR
	TRENCH DRAIN	1.5%	SLOPE

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Project No. 170197675

Date	Description	No.
Revisions		

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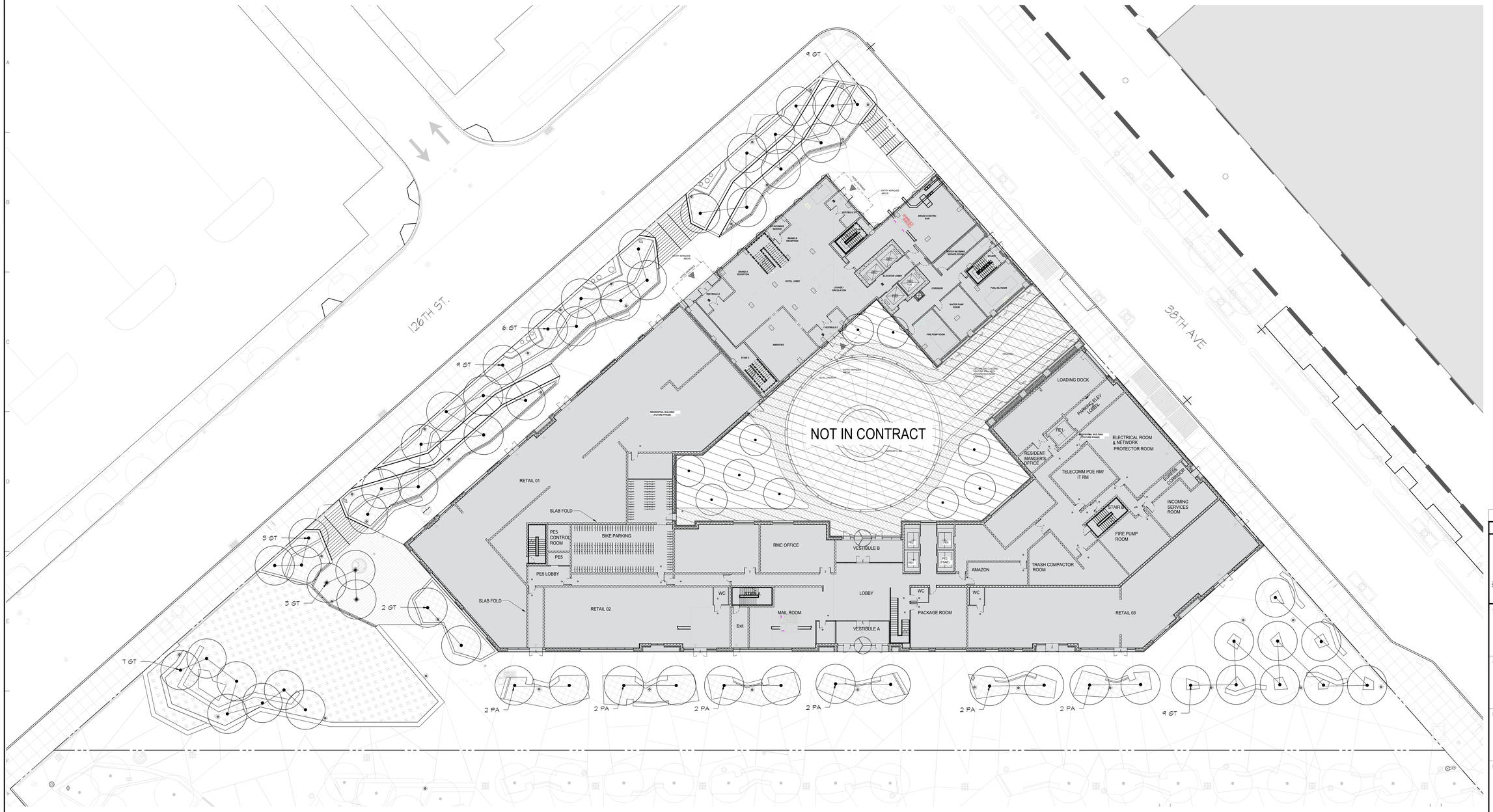
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Project
PHASE 2 TRIANGLE PARCEL OPEN SPACE LANDSCAPE/ HARDSCAPE
QUEENS COUNTY CORONA NEW YORK

Drawing Title
SITE GRADING PLAN

Project No. 170197675	Drawing No. L-200.00
Date 03/07/2025	
Drawn By	
Checked By	Sheet of 1

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1 SITE PLANTING PLAN

SCALE: 1/16"=1'-0"

PLANTING LEGEND

PROPOSED TREE (1 L601)

GRASSES, GROUNDCOVERS & SHRUBS (2&3 L601)

LAWN (4 L601)

TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	COMMENTS		QTY
	GT	GLEDITSIA TRIACANTHOS	HONEY LOCUST	4"-4 1/2" CAL	B & B	AS SHOWN			48
	PA	PLATANUS X ACERIFOLIA	LONDON PLANE TREE	4"-4 1/2" CAL	B & B	AS SHOWN	SINGLE STEM		12
GRASSES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	COMMENTS	SPACING	QTY
	PK	PENNISETUM ORIENTALE 'KARLEY ROSE'	KARLEY ROSE FOUNTAIN GRASS	5 GAL	CONT.	24" O.C.		24" o.c.	-
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	COMMENTS	SPACING	QTY
	JH	JUNIPERUS HORIZONTALIS 'WILTONII'	BLUE RUG JUNIPER	5 GAL	CONT.	36" O.C.		36" o.c.	-
GRASSES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	COMMENTS	SPACING	QTY
	CT	CAREX STRICTA	TUSSOCK SEDGE	5 GAL	CONT.	24" O.C.		24" o.c.	-
	CV	CAREX VULPINOIDEA	FOX SEDGE	1 GAL	CONT.	12" O.C.		12" o.c.	-
	PH	PANICUM VIRGATUM 'HEAVY METAL'	HEAVY METAL SWITCH GRASS	5 GAL		24" O.C.		24" o.c.	-
	SB	SCHIZACHYRIUM SCOPARIUM 'THE BLUES'	THE BLUES LITTLE BLUESTEM	3 GAL	CONT.	18" O.C.		18" o.c.	-
	SH	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	1 QT	CONT.	8" O.C.		8" o.c.	-
PERENNIALS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	COMMENTS	SPACING	QTY
	LB	LIRIOPE MUSCARI 'BIG BLUE'	BIG BLUE LILYTURF	1 GAL	CONT.	12" O.C.		12" o.c.	-

2 PLANTING SCHEDULE

SCALE: NTS

Date	Description	No.
Revisions		

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Project
PHASE 2 TRIANGLE PARCEL OPEN SPACE LANDSCAPE/ HARDSCAPE
CORONA
QUEENS COUNTY NEW YORK

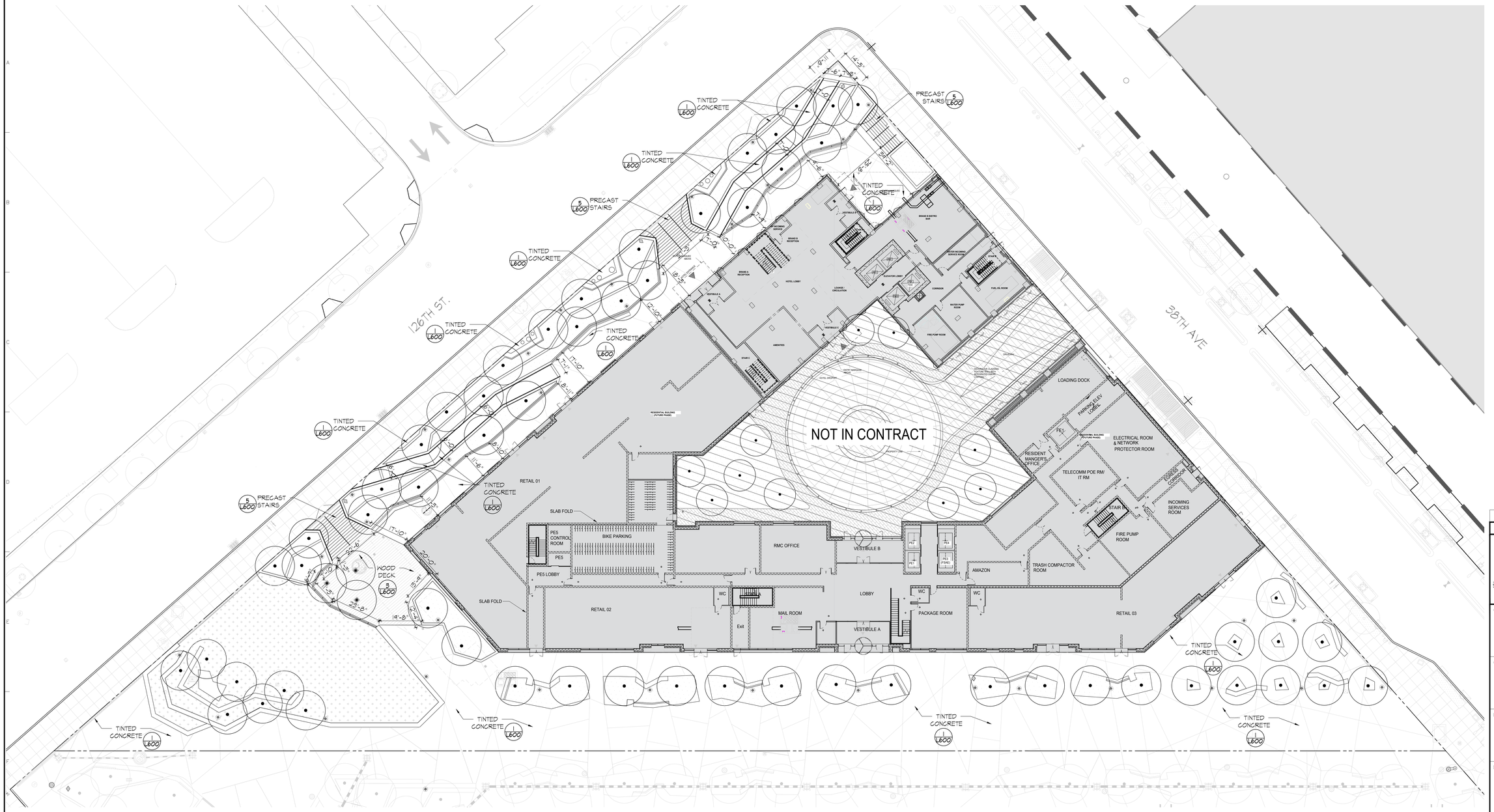
Drawing Title
SITE PLANTING PLAN

Project No. 170197675	Drawing No. L-300.00
Date 03/07/2025	
Drawn By	
Checked By	Sheet of 1

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Project No. 170197675



1 SITE MATERIAL PLAN

SCALE: 1/16"=1'-0"

MATERIAL LEGEND

- NYC DOT STANDARD CONCRETE SIDEWALK SIZE: 5' X 5'
- TINTED CONCRETE (L600)
- WOOD DECK (3/L600)

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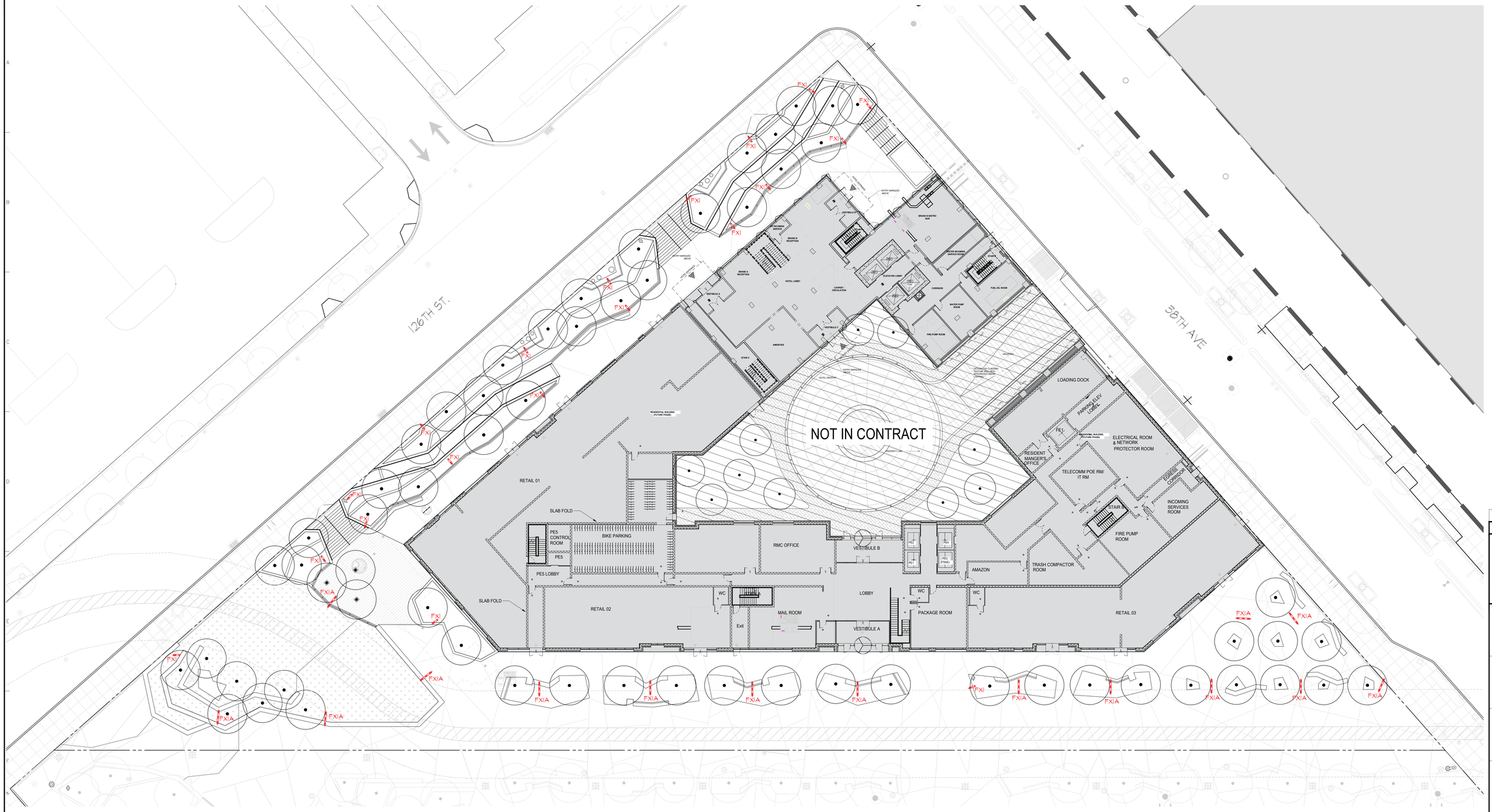
Drawing Title
SITE MATERIAL PLAN

Project No. 170197675	Drawing No. L-400.00
Date 03/07/2025	
Drawn By	
Checked By	Sheet of 1

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Project No. 170197675



1 SITE LIGHTING PLAN

SCALE: 1/16"=1'-0"

LEGEND

- ZONING LOT LINE
- BUILDING ABOVE
- CONCRETE PAVING — 1/L600
- WOOD DECK — 3/L600
- LAWN — 4/L601
- PLANTING — 2&5/L601
- PROPOSED TREE — 1/L601
- FXI — POLE LIGHT — 2/L602
  MFR. LANDSCAPE FORMS
  MODEL: RAMA SINGLE HEAD
  POST HEIGHT: 14.8
  SYSTEM WATTS: 75
- FXIA — POLE LIGHT — 2A/L602
  MFR. LANDSCAPE FORMS
  MODEL: RAMA DUAL STAGGERED HEADS
  POST HEIGHT: 14.7
  SYSTEM WATTS: 75

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	Revisions	

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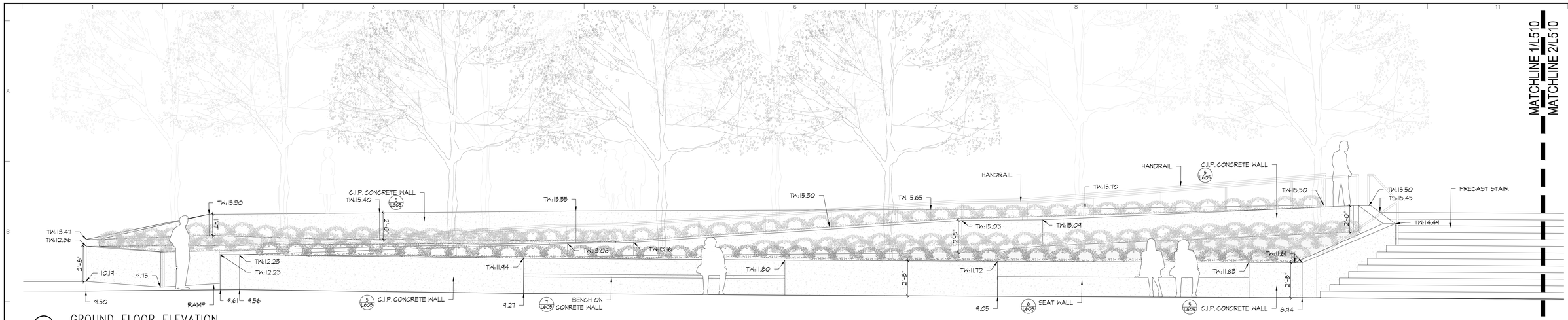
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PHASE 2 TRIANGLE PARCEL OPEN SPACE LANDSCAPE/ HARDSCAPE
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Drawing Title
SITE LIGHTING PLAN

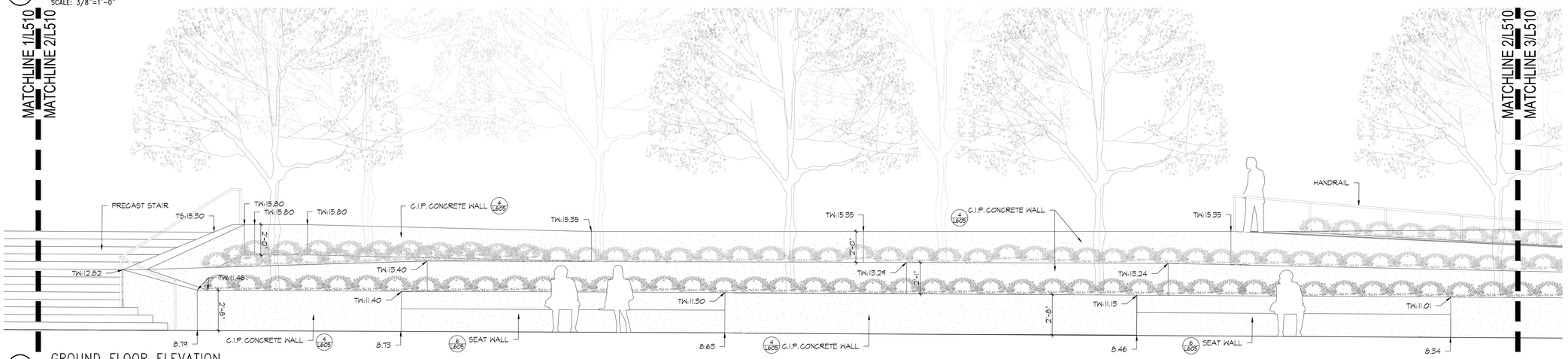
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170197675	L-402.00
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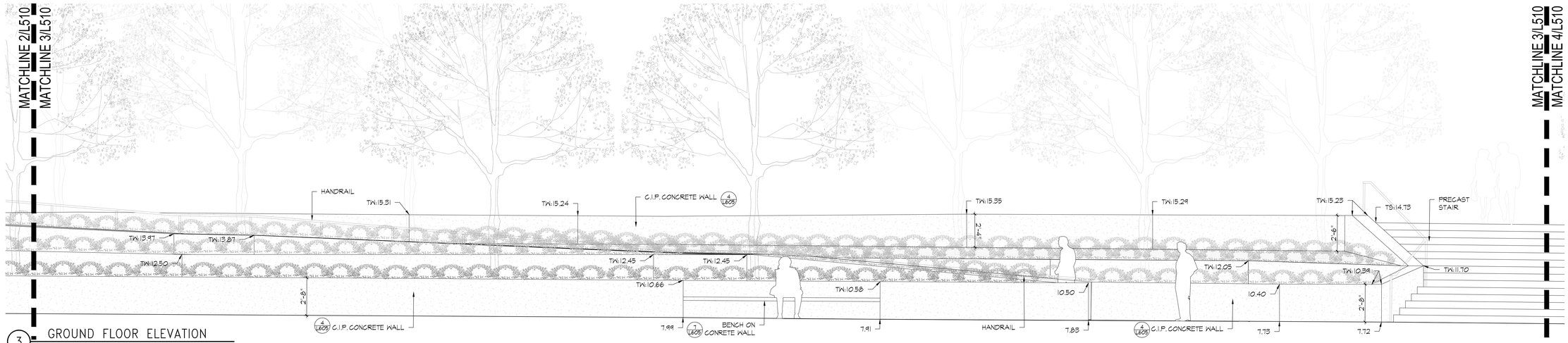
1 GROUND FLOOR ELEVATION

SCALE: 3/8"=1'-0"



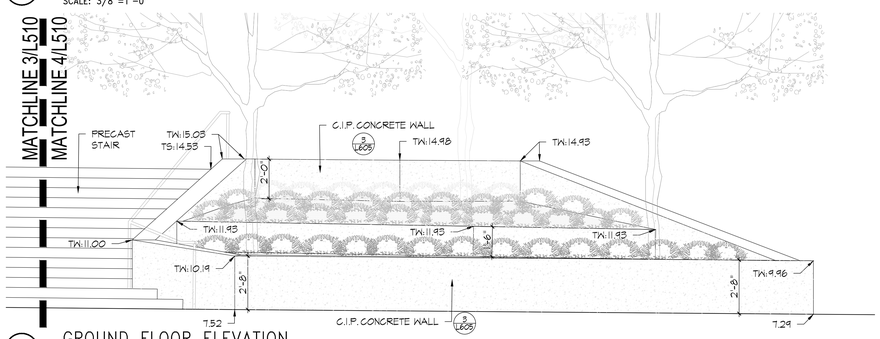
2 GROUND FLOOR ELEVATION

SCALE: 3/8"=1'-0"



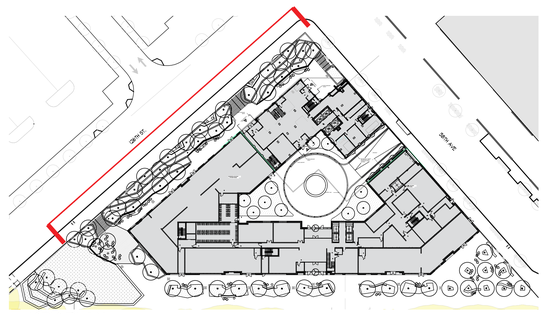
3 GROUND FLOOR ELEVATION

SCALE: 3/8"=1'-0"



4 GROUND FLOOR ELEVATION

SCALE: 3/8"=1'-0"



KEY PLAN

Date	Description	No.
Revisions		

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Project
PHASE 2 TRIANGLE PARCEL OPEN SPACE LANDSCAPE/ HARDSCAPE
QUEENS COUNTY CORONA NEW YORK

Drawing Title
GROUND FLOOR ELEVATIONS

Project No.	Drawing No.
170197675	L-510.00
Date: 03/07/2025	
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GENERAL NOTES :

I - CODES

1. 2022 BUILDING CODE OF THE CITY OF NEW YORK. INCLUDING LATEST AMENDMENTS ("N.Y.C. CODE").
2. AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - AISC 360-16, AS MODIFIED BY REFERENCE STANDARDS SECTION 3502 OF THE N.Y.C. BUILDING CODE, 13TH EDITION.
3. AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" ACI 318-14 ("ACI") AS MODIFIED BY REFERENCE STANDARDS SECTION 3502 OF THE N.Y.C. BUILDING CODE.

II - MATERIALS

UNLESS OTHERWISE SHOWN OR NOTED ON DRAWINGS:

1. CAST-INPLACE CONCRETE:
   FOUNDATIONS: ***SEE PLAN***
   SLABS ON GROUND: ***SEE PLAN***
   FORMED SLABS: ***SEE PLAN***
2. REINFORCEMENT: ASTM A615, GRADE 60; #7 BARS AND LOWER
   DEFORMED BARS: GRADE 80; #8 BARS AND HIGHER U.O.N.
   WELDED WIRE FABRIC: ASTM A1064.

III - GENERAL

1. NOTES, TYPICAL DETAILS AND SCHEDULES APPLY TO ALL STRUCTURAL WORK UNLESS OTHERWISE NOTED. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS OF A SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTING SHOP DRAWINGS FOR REVIEW.
2. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS, SUPPORT OF EXCAVATION, CIVIL, LANDSCAPE AND HARDSCAPE DRAWINGS. IF THERE IS A DISCREPANCY BETWEEN DRAWINGS IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER PRIOR TO PERFORMING WORK.
3. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONAL INFORMATION.
4. TOP OF CONCRETE SLABS ARE REFERENCE ELEVATIONS EXCEPT AS NOTED.
5. THESE DRAWINGS DO NOT DEFINE SCOPE OF CONTRACTS. SEE CONTRACT DOCUMENTS.
6. AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS OF THE JOBSITE INCLUDING SAFETY OF PERSONS AND PROPERTY. THE ENGINEER'S PRESENCE OR REVIEW OF WORK DOES NOT INCLUDE THE ADEQUACY OF THE CONTRACTOR'S MEANS OR METHODS OF CONSTRUCTION.
7. SHORING, BRACING AND PROTECTION OF EXISTING AND ADJACENT STRUCTURES DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PROTECT AND MAINTAIN THE INTEGRITY OF ADJACENT STREETS, BUILDINGS AND STRUCTURES.
8. ALL EXISTING DIMENSIONS AND LOCATIONS OF EXISTING STRUCTURES SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY FIELD MEASUREMENTS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
9. DRAWINGS HAVE BEEN PREPARED BASED ON AVAILABLE KNOWLEDGE OF EXISTING CONDITIONS. IF, DURING DEMOLITION, EXCAVATION OR CONSTRUCTION, ACTUAL CONDITIONS ARE DISCOVERED TO DIFFER FROM THOSE INDICATED ON DRAWINGS, ENGINEER SHALL BE NOTIFIED. PRIOR TO PREPARATION OF SHOP DRAWINGS, CONTRACTOR SHALL VERIFY AND/OR DETERMINE SIZE, LOCATION, CONFIGURATION, ETC. OF EXISTING STRUCTURE EVERY PLACE WHERE NEW WORK IS TO ABUT, ATTACH, CLEAR, ETC. NOTIFY ENGINEER IN WRITING OF ANY AND ALL CONDITIONS WHICH DIFFER FROM THOSE SHOWN ON DRAWINGS.
10. REUSE OF SALVAGED MATERIALS IS NOT PERMITTED UNLESS SPECIFICALLY APPROVED BY ENGINEER IN WRITING.

IV - FOUNDATION NOTES

1. SOIL AND FOUNDATION DESIGN ARE PER RECOMMENDATIONS OF GEOTECHNICAL REPORT PREPARED BY ***LANGAN, DATED 2/14/2025***. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT FOR ALL SITE CONSIDERATIONS, EARTHWORK, SUBGRADE PREPARATION, AND DEWATERING RECOMMENDATIONS.
2. DEWATERING OF THE SITE DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR NOT TO UNDERMINE EXISTING FOUNDATIONS. METHOD OF DEWATERING AND CALCULATIONS FOR THE APPROPRIATE SYSTEM ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
3. ***PILES SHALL BE INSTALLED AND LOAD TESTED PER SPECIFICATIONS SECTIONS: SECTION 31 63 29 - PERFORMANCE SPECIFICATION FOR PILES SUPPORTING THE TRIANGLE PARCEL OPEN SPACE PLATFORM***

V - CONCRETE NOTES

1. REINFORCING STEEL SHALL HAVE A MINIMUM CLEAR COVER AS FOLLOWS, U.O.N. IN DRAWINGS:

   CONCRETE POURED AGAINST EARTH..... 3"

   CONCRETE EXPOSED TO EARTH OR WEATHER:
   #5 OR SMALLER..... 1 1/2"
   #6 OR LARGER..... 2"

   CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:

   COLUMNS (MAIN REINFORCING)..... 2"
   COLUMNS (TIES)..... 1 1/2"
   SLABS, WALLS, JOISTS #14 OR #18 BARS..... 1 1/2"
   #11 OR SMALLER..... 3/4"
   BEAMS (STIRRUPS AND MAIN REINF)..... 1 1/2"

   CLEAR COVER SHALL BE CLEARLY SHOWN ON ALL REBAR DETAIL DRAWINGS.
2. ALL REINFORCEMENT SHALL BE SECURELY HELD IN POSITION WHILE PLACING CONCRETE. IF NECESSARY, ADDITIONAL BARS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT.
3. THE CONTRACTOR SHALL VERIFY THE DIMENSIONS AND LOCATIONS OF ALL OPENINGS, PIPE SLEEVES, ETC. AS REQUIRED BY ALL TRADES, BEFORE THE CONCRETE IS POURED. THE CONTRACTOR SHALL CONSULT THE SCE, CIVIL AND LANDSCAPE DRAWINGS, AS WELL AS THE STRUCTURAL DRAWINGS FOR THE LOCATION, NUMBER, AND SIZE OF ALL OPENINGS, SLEEVES, ETC. HOWEVER, OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE INSTALLED ONLY AFTER APPROVAL BY THE STRUCTURAL ENGINEER IS OBTAINED.
4. LOCATION OF ALL CONSTRUCTION JOINTS NOT SHOWN IN DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO DETAILING OF REINFORCING. ALL CONSTRUCTION JOINTS TO BE CLEARLY SHOWN IN REBAR DETAIL DRAWINGS. ENGINEER MAY REQUIRE ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS.
5. DIMENSIONS "Ld" AS NOTED ON DRAWINGS SHALL CORRESPOND TO THE FOLLOWING LENGTHS IN INCHES AS SHOWN IN THE TABLES BELOW:

BEAMS

BAR SIZE	BOTTOM BARS	OTHER BARS
#3	13	17
#4	17	23
#5	22	28
#6	26	34
#7	38	49
#8	43	56
#9	48	63
#10	54	71
#11	60	78

COLUMNS

BAR SIZE	Ld
#3	13
#4	17
#5	22
#6	26
#7	38
#8	43
#9	48
#10	54
#11	60

TABLE ASSUMPTIONS:
1. f'c = 5 ksi
2. A MINIMUM CLEAR COVER AS SHOWN IN NOTE 1 ABOVE
3. A MINIMUM CLEAR SPACING OF 3" BETWEEN ANY BARS
4. fy = 60 ksi
5. NORMAL WEIGHT CONCRETE
6. FOR WALLS:
   CASE 1 = CLEAR SPACING ≥ 2db AND CLEAR COVER ≥ db
   CASE 2 = OTHER THAN CASE 1

WALLS

BAR SIZE	VERTICAL BARS		HORIZONTAL BARS	
	CASE 1	CASE 2	CASE 1	CASE 2
#3	13	20	17	25
#4	17	26	23	34
#5	22	32	28	42
#6	26	39	34	50
#7	38	56	49	73
#8	43	64	56	83
#9	48	72	63	94
#10	54	81	70	106
#11	60	90	78	117

SLABS

BAR SIZE	THICKNESS 12" OR LESS	THICKNESS GREATER THAN 12"	
	ALL BARS	BOTTOM BARS	OTHER BARS
#3	13	13	17
#4	17	17	23
#5	22	22	28
#6	26	26	34
#7	56	56	73
#8	64	64	83
#9	72	72	94
#10	81	81	106
#11	90	90	117

MATS & PILE CAPS

THICKNESS GREATER THAN 12"	
BOTTOM BARS	OTHER BARS
13	17
17	23
22	28
26	34
38	49
43	56
48	63
54	71
60	78

FOR: f'c = 3 ksi — Ld = 1.29 x TABLE VALUE
f'c = 4 ksi — Ld = 1.12 x TABLE VALUE
f'c = 6 ksi — Ld = 0.91 x TABLE VALUE
f'c = 8 ksi — Ld = 0.79 x TABLE VALUE
f'c ≥ 10 ksi — Ld = 0.71 x TABLE VALUE

FOR: fy = 80 ksi — Ld = 1.33 x TABLE VALUE

VI - CONCRETE NOTES CONTD.

6. ALL LAP SPLICES SHALL BE 1.3Ld UNLESS NOTED OTHERWISE ON DRAWINGS.
7. FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.33.
8. FOR EPOXY-COATED BARS, MULTIPLY THE TABULATED VALUES BY 1.5.
9. COMBINATIONS OF EFFECTS DUE TO CONCRETE STRENGTH, CONCRETE WEIGHT, STEEL STRENGTH AND EPOXY BARS ARE CUMULATIVE. Ld SHALL BE MULTIPLIED BY EACH FACTOR TO FIND THE CORRECT VALUE
10. ACI DOES NOT PERMIT LAP SPLICES OF #14 OR #18 BARS. BARS OF THIS SIZE SHALL BE COUPLED BY ACCEPTABLE MECHANICAL MEANS.
11. DOWEL BAR SUBSTITUTIONS SHALL BE PERMITTED PROVIDED THAT MANUFACTURER'S DATA SUPPORTS FULL TENSION SPLICES.
12. CONCRETE COLUMN LENGTH ADJUSTMENT FOR ELASTIC SHORTENING, SHRINKAGE AND CREEP EFFECTS SHALL BE DISCUSSED WITH THE CONCRETE CONTRACTOR.
13. CONDUIT PLACED IN CONCRETE SLABS MUST BE PLACED IN ACCORDANCE WITH THE FOLLOWING GUIDELINES:
    a. CONTRACTOR SHALL NOT INSTALL CONDUIT THAT IS NOT SHOWN ON CONSTRUCTION DRAWINGS.
    b. DO NOT CROSS MORE THAN ONE LAYER OF CONDUIT OVER ANOTHER IN ANY GIVEN AREA.
    c. PLACE CENTROID OF CONDUIT OR CONDUIT GROUP AT THE MID-HEIGHT OF THE SLAB.
    d. CONDUIT OR CONDUIT GROUP CAN NOT EXTEND OUTSIDE THE MIDDLE 1/3 OF THE SLAB.
    e. MAINTAIN A MINIMUM CLEAR SPACING BETWEEN THE CONDUIT OF 3 DIAMETERS. THIS REQUIREMENT APPLIES EXCEPT WHERE CONDUITS ACCUMULATE AT "TURN DOWNS". THE CONDITIONS AT "TURN DOWN" LOCATIONS MUST BE EVALUATED AT EACH LOCATION BY THE STRUCTURAL ENGINEER. "TURN DOWNS" CAN NOT OCCUR AT COLUMN OR BUTTRESS LOCATIONS.
    f. DO NOT PLACE ANY CONDUIT IN THE SLAB WITHIN 36" FROM THE EDGE OF ANY WALL ABOVE THE SLAB.
    g. SLAB REINFORCEMENT MUST NOT BE MOVED, CUT, OR BENT TO ACCOMMODATE CONDUIT PLACEMENT.
    h. CONDUIT IS NOT TO RUN THROUGH OR WITHIN A COLUMN OR WALL.
    i. ALUMINUM CONDUIT SHALL NOT BE EMBEDDED IN A SLAB UNLESS IT IS EFFECTIVELY COATED.

IF THE ABOVE REQUIREMENTS ARE ALL MET, CONDUIT LOCATIONS NEED NOT BE REVIEWED BY THE STRUCTURAL ENGINEER. ANY DEVIATIONS MUST BE SUBMITTED ON A SHOP DRAWING FOR APPROVAL BY THE STRUCTURAL ENGINEER PRIOR TO CONDUIT PLACEMENT.

THE FOLLOWING CASES MUST BE SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER:
a. LOCATIONS OF ANY CONDUIT LARGER THAN 2" IN OUTSIDE DIAMETER.
b. LOCATIONS OF ANY BUNDLED CONDUITS.

15. MINIMUM EMBEDMENT FOR REBAR EPOXIED WITH HILTI HIT HY-200 ADHESIVE SHALL BE AS FOLLOWS:

#3	-	0'-4 1/4"
#4	-	0'-6 1/4"
#5	-	0'-8"
#6	-	0'-9 3/4"
#7	-	0'-11 1/2"
#8	-	1'-1 1/2"
#9	-	1'-3 3/4"
#10	-	1'-5 3/4"
#11	-	1'-8"

VII - MASS CONCRETE

1. CONCRETE PLACED IN MONOLITHIC PLACEMENTS, WHERE:
   a. ***CROSS SECTIONAL THICKNESS >= 36" & f'c >= 8,000 PSI***
   b. AS NOTED ON PLAN AS "MC"
   SHALL BE CONSIDERED MASS CONCRETE AND SHALL BE SUBJECT TO THE REQUIREMENTS OF ACI 301, CHAPTER 8
2. USE OF ASTM C150 TYPE III CEMENT OR ASTM 1157 HIGH EARLY-STRENGTH CEMENT IS PROHIBITED. USE MODERATE OR LOW HEAT OF HYDRATION CEMENT, BLENDED HYDRAULIC CEMENT WITH MODERATE OR LOW HEAT OF HYDRATION PROPERTIES, OR PORTLAND CEMENT WITH FLY ASH, POZZOLAN, OR GGBS. USE OF APPROVED RETARDING ADMIXTURE IS RECOMMENDED TO OFFSET THE EFFECTS OF HIGH CONCRETE TEMPERATURE.
3. TO AVOID CONCRETE DAMAGE, THE CONTRACTOR SHALL PREPARE THE CONCRETE MIX DESIGN AND USE CONSTRUCTION TECHNIQUES THAT WILL LIMIT THE MAXIMUM CONCRETE TEMPERATURE AS FOLLOWS:
   a. THE MAXIMUM TEMPERATURE IN CONCRETE AFTER PLACEMENT SHALL NOT EXCEED 160 DEGREES FAHRENHEIT.
   b. THE MAXIMUM TEMPERATURE DIFFERENCE BETWEEN CENTER AND SURFACE OF PLACEMENT SHALL NOT EXCEED 35 DEGREES FAHRENHEIT.
4. THE CONTRACTOR SHALL SUBMIT A DETAILED THERMAL CONTROL PLAN FOR ENGINEER'S APPROVAL, PRIOR TO CONSTRUCTION OF THE MASS CONCRETE ELEMENT. THE THERMAL CONTROL PLAN SHALL INCLUDE, CONCRETE MIX PROPORTIONS, CALCULATED OR MEASURED (HEAT OF HYDRATION TEST RESULTS) CONCRETE TEMPERATURES, EQUIPMENT AND MEASURES TO MONITOR AND CONTROL TEMPERATURE, CURING PLAN AND DURATION, AND FORMWORK REMOVAL PROCEDURES.
5. THE CONTRACTOR SHALL INSTALL AND MONITOR THERMOCOUPLES IN THE CONCRETE TO ENSURE CONCRETE TEMPERATURES ARE LIMITED TO WITHIN THE PRESCRIBED VALUES. USE APPROPRIATE THERMAL CONTROL MEASURES AS REQUIRED, SUCH AS USE OF INSULATION ON THE CONCRETE SURFACE TO LIMIT UNEVEN HEAT LOSS, PRECOOLING OF THE CONCRETE MATERIALS, AND POSTCOOLING OF CONCRETE CORE WITH THE USE OF EMBEDDED COOLING PIPES.

VIII - FORMWORK, SHORING, RESHORING AND SURVEYING

1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, CONSTRUCTION, ERECTION, REMOVAL, SAFETY AND ADEQUACY OF ALL FORMWORK, FALSEWORK, SHORING, RESHORING AND THE LIKE.
2. CONTRACTOR SHALL PREPARE FORMWORK, SHORING AND RESHORING DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK. THESE DRAWINGS WILL NOT BE REVIEWED BY THE ENGINEER. THIS REQUIREMENT IS SOLELY TO ENSURE THAT THESE ITEMS HAVE BEEN DESIGNED BY A LICENSED PROFESSIONAL ENGINEER.

X - POST INSTALLED ANCHORS IN CONCRETE AND MASONRY

1. POST INSTALLED ANCHORS SHALL BE USED ONLY WHERE SPECIFIED ON STRUCTURAL DRAWINGS.
2. THE INSTALLATION OF POST INSTALLED ANCHORS AS REPAIR FOR MISSING OR MISPLACED CAST IN-PLACE ANCHORS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD (EOR).
3. EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE SHALL NOT BE CUT UNLESS APPROVED BY THE EOR.
4. POST-INSTALLED ANCHORS SPECIFIED ON THE DRAWINGS FORM THE BASIS OF DESIGN. SUBSTITUTIONS WITH EQUAL OR BETTER ANCHORS SHALL BE SUBMITTED FOR APPROVAL BY EOR.
5. SUBMITTAL OF ALL PROPOSED PRODUCTS, WITH TECHNICAL DATA AND CURRENT ICC-ESR REPORTS IS REQUIRED FOR REVIEW AND APPROVAL BY EOR. ADDITIONAL CALCULATIONS FOR SPECIFIC APPLICATIONS MAY BE REQUIRED BY THE EOR.
6. ALL ANCHORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII) IN CONJUNCTION WITH EDGE DISTANCE, SPACING AND EMBEDMENT DEPTH AS INDICATED ON THE DRAWINGS.
7. THE CONTRACTOR SHALL ARRANGE FOR A MANUFACTURER'S FIELD REPRESENTATIVE TO PROVIDE INSTALLATION TRAINING FOR ALL PRODUCTS TO BE USED, PRIOR TO COMMENCEMENT OF WORK. ONLY TRAINED INSTALLERS SHALL PERFORM POST INSTALLED ANCHOR INSTALLATION. A RECORD OF TRAINING SHALL BE KEPT ON SITE AND BE MADE AVAILABLE TO THE EOR AND INSPECTOR AS REQUESTED OR REQUIRED BY SPECIAL INSPECTION.
8. ADHESIVE ANCHORS INSTALLED IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATIONS TO SUPPORT SUSTAINED TENSION LOADS SHALL BE PERFORMED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER (AAI) AS CERTIFIED THROUGH ACI/CRSI (ACI 318). PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO COMMENCEMENT OF INSTALLATION.
9. ADHESIVE ANCHORS MUST BE INSTALLED IN CONCRETE AGED A MINIMUM OF 21 DAYS (ACI 318).
10. POST-INSTALLED ANCHORS UTILIZED IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F SHALL BE QUALIFIED PER THE PROVISIONS FOR EARTHQUAKE LOADING IN THE APPLICABLE ACCEPTANCE CRITERIA.

CONCRETE ANCHORS
11. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193 FOR CRACKED AND UNCRACKED CONCRETE.
12. ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED AND UNCRACKED CONCRETE.
13. 'CAST-IN-PLACE INSERTS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC446 FOR CRACKED AND UNCRACKED CONCRETE.

POWDER ACTUATED FASTENERS
14. POWDER ACTUATED FASTENERS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC70.

XI - INSPECTION AND TESTING

1. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. OWNER WILL ENGAGE AND PAY FOR AN INDEPENDENT TESTING AGENCY TO PERFORM THE FOLLOWING INSPECTION AND TESTING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE PRIOR NOTICE FOR COMPLETION OF SUCH
2. PILE/PIER INSTALLATION:
   A. THE FOLLOWING ITEMS SHALL BE INSPECTED: ALL REINFORCING STEEL, SIZE AND THICKNESS OF ALL STRUCTURAL ELEMENTS, CONCRETE PLACEMENT.
   B. THE FOLLOWING TESTS SHALL BE MADE PER BUILDING CODE AND ACI REQUIREMENTS: SLUMP, COMPRESSION STRENGTH (CYLINDERS), TEMPERATURE, AIR ENTRAINMENT.
   C. PILES SHALL BE INSTALLED AND LOAD TESTED PER: SECTION 31 63 29 - PERFORMANCE SPECIFICATION FOR PILES SUPPORTING THE TRIANGLE PARCEL OPEN SPACE PLATFORM
3. CONCRETE:
   A. THE FOLLOWING ITEMS SHALL BE INSPECTED: ALL REINFORCING STEEL, SIZE AND THICKNESS OF ALL STRUCTURAL ELEMENTS, CONCRETE PLACEMENT.
   B. THE FOLLOWING TESTS SHALL BE MADE PER BUILDING CODE AND ACI REQUIREMENTS: SLUMP, COMPRESSION STRENGTH (CYLINDERS), ELASTICITY MODULE (AS REQUIRED BY ENGINEER), TEMPERATURE, AIR ENTRAINMENT WHEN REQUESTED BY ENGINEER.

XII - SPECIAL INSPECTIONS

OWNER WILL ENGAGE AND PAY FOR A SPECIAL INSPECTOR AND AN INDEPENDENT TESTING AGENCY TO PERFORM THE FOLLOWING SPECIAL INSPECTION AND TESTING AS SPECIFIED ON THE APPLICABLE SECTIONS OF THE NEW YORK CITY BUILDING CODE, CHAPTER 17, SECTION 1704. TECHNICAL REPORT STATEMENT OF RESPONSIBILITY TR-1 FORM SHALL BE FILED WITH THE BUILDING DEPARTMENT FOR APPROVAL OF SPECIAL INSPECTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE PRIOR NOTICE FOR COMPLETION OF INSPECTIONS.

1. CONCRETE:
   ALL CONCRETE WORK SHALL BE SUBJECT TO SPECIAL INSPECTION BY OR UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER AS REQUIRED BY SUBCHAPTERS 1704.4 AND 1905.3 AND TABLE 1704.4 OF THE N.Y.C. BUILDING CODE.
   A. THE OWNER SHALL ENGAGE A LICENSED PROFESSIONAL ENGINEER, APPROVED BY THE ENGINEER OF RECORD, TO SUPERVISE THE TESTING OF THE MATERIALS AND THE INSPECTION OF CONCRETE CONSTRUCTION.
   B. THE PRELIMINARY TEST FOR CONTROLLED CONCRETE SHALL BE MADE IN ACCORDANCE WITH SUBCHAPTER 1905.3 OF SECTION 1905 OF THE N.Y.C. BUILDING CODE AND THE APPROVED DESIGN MIXES FILED ON TECHNICAL REPORT TR-3. NO CONCRETE SHALL BE PLACED BEFORE ACCEPTANCE BY ENGINEER.
   C. QUALITY CONTROL AND INSPECTION OF MATERIALS AND OF BATCHING SHALL BE MADE IN ACCORDANCE WITH SUBCHAPTER 1905.3 OF SECTION 1905 OF THE N.Y.C. BUILDING CODE.
   D. ALL FIELD TESTS AND INSPECTIONS SHALL BE PERFORMED AS REQUIRED BY SUBCHAPTER 1905.6 OF SECTION 1905 OF THE N.Y.C. BUILDING CODE. CONCRETE TEST CYLINDER RESULTS SHALL BE FILED ON TECHNICAL REPORT TR-2.
   E. PRIOR TO PERMIT OWNER TO ENGAGE CONCRETE TESTING AGENCY FOR TR-2 AND TR-3 FORMS.
2. SOILS:
   DEEP FOUNDATION ELEMENTS PER SECTION 1705.7

XIII - SHOP DRAWINGS FOR SPECIALTY ENGINEERED PRODUCTS

1. THE FOLLOWING SYSTEMS AND COMPONENTS AS A MINIMUM REQUIRE FABRICATION AND ERECTION DRAWINGS PREPARED BY A DELEGATED ENGINEER REGISTERED IN THE STATE OF NEW YORK:
2. SUBMITTALS SHALL CLEARLY IDENTIFY THE SPECIFIC PROJECT AND APPLICABLE CODES, LIST THE DESIGN CRITERIA, AND SHOW ALL DETAILS AND PLANS NECESSARY FOR PROPER FABRICATION AND INSTALLATION. CALCULATIONS AND SHOP DRAWINGS SHALL IDENTIFY SPECIFIC PRODUCT UTILIZED. GENERIC PRODUCTS WILL NOT BE ACCEPTED.
3. SHOP DRAWINGS AND CALCULATIONS SHALL BE PREPARED UNDER THE DIRECT SUPERVISION AND CONTROL OF THE DELEGATED ENGINEER.
4. SHOP DRAWINGS AND CALCULATIONS REQUIRE THE SEAL, DATE AND SIGNATURE OF THE DELEGATED ENGINEER. COMPUTER PRINTOUTS ARE AN ACCEPTABLE SUBSTITUTE FOR MANUAL COMPUTATIONS PROVIDED THEY ARE ACCOMPANIED BY SUFFICIENT DESCRIPTIVE INFORMATION TO PERMIT THEIR PROPER EVALUATION. SUCH DESCRIPTIVE INFORMATION SHALL BEAR THE SEAL AND SIGNATURE OF THE DELEGATED ENGINEER AS AN INDICATION THAT HE/SHE HAS ACCEPTED RESPONSIBILITY FOR THE RESULTS. THE STRUCTURAL ENGINEER OF RECORD WILL RETAIN ONE SIGNED AND SEALED COPY FOR RECORD.
5. DRAWINGS PREPARED SOLELY TO SERVE AS A GUIDE FOR FABRICATION AND INSTALLATION (SUCH AS REINFORCING STEEL SHOP DRAWINGS OR STRUCTURAL STEEL ERECTION DRAWINGS) AND REQUIRING NO ENGINEERING DO NOT REQUIRE THE SEAL OF A DELEGATED ENGINEER.
6. CATALOG INFORMATION ON STANDARD PRODUCTS DOES NOT REQUIRE THE SEAL OF A DELEGATED ENGINEER.
7. REVIEW BY THE STRUCTURAL ENGINEER OF RECORD OF SUBMITTALS IS LIMITED TO VERIFYING THE FOLLOWING:
   A. THAT THE SPECIFIED STRUCTURAL SUBMITTALS HAVE BEEN FURNISHED.
   B. THAT THE STRUCTURAL SUBMITTALS HAVE BEEN SIGNED AND SEALED BY THE DELEGATED ENGINEER.
   C. THAT THE DELEGATED ENGINEER HAS UNDERSTOOD THE DESIGN INTENT AND HAS USED THE SPECIFIED STRUCTURAL CRITERIA. NO DETAILED CHECK OF CALCULATIONS WILL BE PERFORMED.
   D. THAT THE CONFIGURATION SET FORTH IN THE STRUCTURAL SUBMITTALS IS CONSISTENT WITH THE CONTRACT DOCUMENTS. NO DETAILED CHECK OF DIMENSIONS OR QUANTITIES WILL BE PERFORMED.

   SUBMITTALS NOT MEETING THE ABOVE CRITERIA WILL NOT BE REVIEWED.

XIV - PEER REVIEW CHECKLIST

NYC DOB: STRUCTURES REQUIRING PEER REVIEW (SECTION 1617.2)	BUILDING CHARACTERISTICS	PEER REVIEW REQUIRED..?
1. BUILDINGS INCLUDED IN STRUCTURAL OCCUPANCY CATEGORY IV AS DEFINED IN THIS CHAPTER AND MORE THAN 50,000 SQUARE FEET (4645 M_2) OF FRAMED AREA.	STRUCTURAL OCCUPANCY CATEGORY II (TABLE 1604.5)	NO
2. BUILDINGS WITH ASPECT RATIOS OF SEVEN OR GREATER.	GROUND FLOOR IS AT EL= [+X-X"] AND ROOF IS AT EL [+XXX-X"]. THE BUILDING WIDTH AT THE BOTTOM IS ABOUT [XX'] ASPECT RATIO = [X:X]	NO
3. BUILDINGS GREATER THAN 600 FEET (183 M) IN HEIGHT OR MORE THAN 1,000,000 SQUARE FEET (92,903 M_2) IN GROSS FLOOR AREA.	BUILDING HEIGHT = [XXX] FEET TOTAL BUILDING GROSS FLOOR AREA = [XXX,XXX] GSF	NO
4. BUILDINGS TALLER THAN SEVEN STORIES WHERE ANY ELEMENT, EXCEPT FOR WALLS GREATER THAN 10 FEET (3,048 METERS) IN LENGTH, SUPPORTS IN AGGREGATE MORE THAN 15 PERCENT OF THE BUILDING AREA.	THROUGHOUT THE BUILDING COLUMN [X] IS SUPPORTING THE GREATEST AREA ([XX%] OF THE BUILDING AREA)	NO
5. BUILDINGS DESIGNED USING NONLINEAR TIME HISTORY ANALYSIS OR WITH SPECIAL SEISMIC ENERGY DISSIPATION SYSETMS.	NOT APPLICABLE; TIME HISTORY ANALYSIS AND SEISMIC ENERGY DISSAPATION SYSTEMS NOT USED	NO
6. BUILDINGS DESIGNED FOR AREAS WITH 3,000 OR MORE OCCUPANTS IN ONE AREA IN CLOSE PROXIMITY, INCLUDING FIXED SEATING AND GRANDSTAND AREAS.	NOT APPLICABLE; RESIDENTIAL TOWER	NO
7. BUILDINGS WHERE A STRUCTURAL PEER REVIEW IS REQUESTED BY THE COMMISSIONER.	--	NO

XVII - DESIGN LOADS

1. GRAVITY LOAD SCHEDULE

GRAVITY LOAD SCHEDULE (PSF)

OCCUPANCY	SLAB	SOIL/ WATER	SUPERIMPOSED DEAD LOAD ALLOWANCE	LIVE LOAD
PLATFORM	PER PLAN	-	630	600

LANGAN

Project No. 170197675

No.	Description	Date
	100% CONSTRUCTION DOCUMENTS	03/07/2025

Revisions

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.

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Project
PHASE 2 TRIANGLE PARCEL OPEN SPACE LANDSCAPE/ HARDSCAPE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
FOUNDATION GENERAL NOTES

Project No. 170197675
Date 03/07/2025
Drawn By DCEBIM
Checked By DCE TAG

FO-001
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NYC TRANSIT GENERAL NOTES:

1. THE NYC TRANSIT (NYCT) RESERVES THE RIGHT TO PLACE INSPECTORS, FLAGMEN OR OTHER PERSONNEL IN THE SUBWAY STRUCTURES DURING CONSTRUCTION OF THE PROJECT LINKED BY A TELEPHONE SYSTEM, IF DEEMED NECESSARY, TO OBSERVE THE EFFECTS OF THE CONSTRUCTION ON THE TRANSIT FACILITIES. NYCT FURTHER RESERVES THE RIGHT TO PLACE SUCH PERSONNEL WHENEVER, IN ITS OPINION, THE PROJECT CONDITIONS WARRANT SUCH PLACEMENT, REGARDLESS OF DISTANCE. THE COST OF SUCH PERSONNEL, TELEPHONE INSTALLATION AND ANY RE-ROUTES, DIVERSIONS OF SERVICE, WORK TRAINS, ETC., MADE NECESSARY BY THE PROJECT, MUST BE BORNE BY THE PROJECT OR THE RESPONSIBLE NEW YORK CITY/STATE AGENCY.

2. ALL ROCK EXCAVATION ADJACENT TO THE TRANSIT STRUCTURE SHALL BE CHANNEL DRILLED TWO FEET BELOW SUBGRADE.

3. IF TOP OF ROCK IS FOUND BELOW SUBWAY STRUCTURE, THE SUBWAY STRUCTURE SHALL BE UNDERPINNED IN ACCORDANCE WITH DRAWINGS SUBMITTED TO NYCT FOR REVIEW AND APPROVAL. UNDERPINNING DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.

4. IF THE ROCK STRATUM QUALITY IS SOFT OR SEAMY, LATERAL SUPPORTS SHALL BE PROVIDED BELOW THE SUBWAY STRUCTURE IN ACCORDANCE WITH DRAWINGS AND CALCULATIONS SUBMITTED TO NYCT FOR REVIEW AND APPROVAL. LATERAL SUPPORT SYSTEM DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.

5. BLASTING WITH LIGHT CHARGES ONLY SHALL BE PERMITTED SUBJECT TO THE APPROVAL OF NYCT'S ENGINEER AND IN ACCORDANCE WITH THE REGULATIONS OF THE FIRE DEPARTMENT. THE CONTRACTOR SHALL PROVIDE A DETAILED MONITORING PLAN, PROVIDING FOR MEASUREMENTS OF BOTH PARTICLE VELOCITY AND DISPLACEMENTS AT CRITICAL LOCATIONS OF THE NYCT STRUCTURE. THE MONITORING PLAN SHALL INCLUDE THRESHOLD AND UPSET LEVELS OF BOTH PARTICLE VELOCITY AND SETTLEMENT TOGETHER WITH AN ACTION PLAN FOR THEIR IMPLEMENTATION. THE CONTRACTOR SHALL SECURE AN APPROVED SEISMOLOGIST TO INSTALL AND OPERATE SUITABLE VELOCITY GAUGES TO CONTINUOUSLY MONITOR PARTICLE VELOCITY AND AN INDEPENDENT LICENSED SURVEYOR TO MONITOR DISPLACEMENTS. A QUALIFIED TECHNICIAN FROM THE MONITORING COMPANY SHALL BE ON SITE TO INTERPRET VIBRATION READINGS UPON THE REQUEST OF A NYCT ENGINEER. THE THRESHOLD MAXIMUM PARTICLE VELOCITY ABOVE THE AMBIENT CAUSED BY THE BLASTING SHALL BE 0.5 INCH PER SECOND. VALUES EXCEEDING THIS LEVEL SHALL BE REVIEWED AND EVALUATED BY NYCT'S ENGINEER. MEASURED PARTICLE VELOCITIES UNDER THE BLASTING WORK SHALL NOT EXCEED THE UPSET LEVEL OF 2.0 INCHES PER SECOND AT ANY TIME.

6. BEFORE PLACING CONCRETE, THE SUBGRADE OF THE FOUNDATIONS IN THE VICINITY OF THE SUBWAY STRUCTURE SHALL BE INSPECTED AND APPROVED BY NYCT'S ENGINEER.

7. ANY DAMAGE TO NYCT STRUCTURES OR ARCHITECTURAL ELEMENTS SHALL BE REPAIRED AND/OR REPLACED WITH THE SAME IN KIND, SUBJECT TO THE APPROVAL OF THE NYCT ENGINEER AT THE EXPENSE OF THE PROJECT.

8. EXCAVATION EMBANKMENTS SHALL BE SHORED AND BRACED. DRAWINGS INDICATING A SUGGESTED METHOD OF CONSTRUCTION SHALL BE SUBMITTED TO NYCT FOR REVIEW AND APPROVAL IN CONJUNCTION WITH THE PROJECT'S CONTRACT DRAWINGS. IF IT IS DETERMINED THAT EXCAVATION MAY UNDERMINE NYCT'S STRUCTURAL FOUNDATION, UNDERPINNING SHALL BE REQUIRED. DRAWINGS AND CALCULATIONS FOR THE UNDERPINNING SHALL BE SUBMITTED TO NYCT FOR REVIEW AND APPROVAL PRIOR TO EXCAVATION. DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.

9. TEMPORARY SHORING MAY BE PLACED IN DIRECT CONTACT WITH NYCT STRUCTURES ONLY IF THE NYCT STRUCTURE IS SHOWN TO BE ABLE TO SUPPORT ALL ANTICIPATED (EXISTING AND TEMPORARY) LOADS THAT CAN BE TRANSFERRED THROUGH THE TEMPORARY STRUCTURES WITHOUT DAMAGING OR ALTERING THE EXISTING STRUCTURE. ALL CALCULATIONS AND DRAWINGS FOR THE TEMPORARY SHORING INSTALLATION AND REMOVAL SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK. THE CALCULATIONS AND DRAWINGS SHALL BE SUBMITTED TO NYCT FOR REVIEW AND APPROVAL. AT THE COMPLETION OF THE PROJECT, THESE TEMPORARY SHORING AND BRACING SYSTEMS SHALL BE REMOVED, OR CUT-OFF AS APPROVED BY NYCT. ANY DAMAGES INCURRED DURING THE INSTALLATION AND REMOVAL OF THE TEMPORARY SHORING SHALL BE REPAIRED AND/OR REPLACED TO THE SATISFACTION OF THE NYCT ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

10. WHEN PILES ARE DRIVEN OR DRILLED ADJACENT TO THE SUBWAY STRUCTURE, BORING DATA, PILE LAYOUTS, SPECIFICATIONS AND INSTALLATION PROCEDURES SHALL BE SUBMITTED TO NYCT FOR APPROVAL. VELOCITY METERS SHALL BE INSTALLED IN THE SUBWAY TUNNEL AT CRITICAL LOCATIONS TO MONITOR INDUCES VIBRATIONS. INDUCED DISPLACEMENTS ALONG THE TUNNEL STRUCTURE AND TRACT INVERT SHALL BE MONITORED DURING DRIVING OR DRILLING. THE THRESHOLD MAXIMUM PARTICLE VELOCITY ABOVE THE AMBIENT CAUSED BY THE DRIVING OR DRILLING SHALL BE 05 INCH PER SECOND. VALUES EXCEEDING THIS LEVEL SHALL BE REVIEWED AN EVALUATED BY THE NYCT ENGINEER. MEASURED PARTICLE VELOCITIES DUE TO DRIVING OR DRILLING PILE WORK SHALL NOT EXCEED THE UPSET LEVEL OF 2.0 INCHES PER SECOND AT ANY TIME.

11. NO PILES SHALL BE INSTALLED BY ANY METHOD WITHIN THREE FEET OF SUBWAY STRUCTURE, MEASURED FROM THE EDGE OF THE PILE OR CASING TO THE WALL. CLOSED-END PILES SHALL NOT BE DRIVEN WITHIN TEN FEET OF THE SUBWAY STRUCTURE.

12. ALL PILES SHALL BE PLACED WITHIN A PRE-AUGERED CASED HOLE TO THE INFLUENCE LINE. THE CASING SHALL BE CLEANED WITHOUT DISTURBING THE SOIL OUTSIDE THE CASING AND THE PILE SHALL BE PLACED WITHIN THE CASING FOR INSTALLATION. THE PILES MAY THEN BE DRIVEN BEYOND THE INFLUENCE LINE WITHIN THE CASING.

13. THE INFLUENCE LINE SHALL START AT THE BOTTOM OF THE SUBWAY STRUCTURE AND EXTEND FROM 1H:1V TO 2H:1V SLOPE DEPENDING ON THE SOIL PROPERTIES AND THE GROUND WATER TABLE. FOR PILES INSTALLED WITHIN TEN FEET OF THE SUBWAY STRUCTURE, THE CASING SHALL EXTEND TO THE BOTTOM OF THE SUBWAY STRUCTURE.

14. ALL PILES SHALL BE DRIVEN OR DRILLED A MINIMUM OF TEN FEET BELOW THE INTERSECTION OF THE PILE CENTERLINE AND THE INFLUENCE LINE OF THE SUBWAY STRUCTURE.

15. THE USE OF "DOWN-THE-HOLE-HAMMER" FOR INSTALLATION OF PILES THROUGH OVERBURDEN AND FILL SHALL BE PERMITTED ONLY TO REMOVE BOULDERS. THIS METHOD SHALL NOT BE PERMITTED AS A MATTER OF COURSE TO ADVANCE THE HOLE. FURTHERMORE, THIS METHOD USED TO CONSTRUCT ROCK SOCKETS SHALL NOT BE ALLOWED WITHIN 5 FEET OF THE NYC STRUCTURE. THE USE OF MACHINE UTILIZING AIR FOR SOIL REMOVAL SHALL NOT ALLOWED.

16. VIBRATORY HAMMERS SHALL NOT BE PERMITTED WITHIN 75 FEET OF SUBWAY STRUCTURES. HOE RAMS SHALL NOT BE PERMITTED WITHIN 25 FEET OF SUBWAY STRUCTURES.

17. DYNAMIC COMPACTION METHODS USING DROPPED HEAVY WEIGHTS SHALL NOT BE CONDUCTED WITHIN 1000 FEET OF ANY NYCT STRUCTURE UNLESS IT IS SHOWN THAT INDUCED SETTLEMENTS AND VIBRATIONS WILL NOT DAMAGE THESE STRUCTURES. A SUITABLE MONITORING PLAN INCLUDING SETTLEMENT AND VIBRATION MEASUREMENTS SHALL BE APPROVED THE NYCT ENGINEER FOR ALL SUCH OPERATIONS WITHIN THESE DISTANCES PRIOR TO WORK.

18. THERE SHALL BE NO MACHINE EXCAVATION WITHIN 3 FEET OF NYCT STRUCTURES, POWER DUCT LINES, OR ANY OTHER FACILITIES UNTIL THEY HAVE BEEN CAREFULLY EXPOSED BY HAND EXCAVATION.

19. ALL DEWATERING OPERATIONS CONDUCTED WITHIN 500 FEET OF THE NYCT STRUCTURE SHALL BE PERFORMED IN ACCORDANCE WITH DRAWINGS, CALCULATIONS AND PROCEDURES SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK. THESE DRAWINGS, CALCULATIONS AND PROCEDURES SHALL BE SUBMITTED TO NYCT FOR REVIEW AND APPROVAL. THE DISTANCE FROM THE STRUCTURE TO THE DEWATERING OPERATION MAY BE REDUCED PROVIDED THAT SOIL CONDITIONS AT THE SITE INDICATE THAT THE RADIUS OF INFLUENCE OF THE DEWATERING IS LESS THAN 500 FEET. FOR DEWATERING WITHIN THE RADIUS OF INFLUENCE, THE DEWATERING PROGRAM SHALL BE SHOWN TO HAVE NEGLIGIBLY INFLUENCE ON SETTLEMENTS OF THE NYCT STRUCTURE.

20. SUBWAY ENTRANCES, VENTILATORS, VAULTS AND ANY NYCT APPURTENANCES AT THE SIDEWALK SHALL BE UNDERPINNED OR SHORED AND BRACED IF DIRECTED BY NYCT'S ENGINEER.

21. NYCT, AT ITS DISCRETION, RESERVES THE RIGHT TO REQUIRE THE PROJECT TO CLOSE OR MAINTAIN AND PROJECT EXISTING SUBWAY ENTRANCES, VENTILATOR, STRUCTURES AND PROPERTY ADJACENT TO THE PROJECT DURING CONSTRUCTION. SUCH CONSTRUCTION MAY INCLUDE UNDERPINNING, SHORING, BRACING AND ERECTION OF SUITABLE BARRICADES AND/OR CANOPIES AND SHIELDS. SUCH PROTECTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND CALCULATIONS SUBMITTED TO NYCT FOR REVIEW AND APPROVAL. ALL DRAWINGS AND CALCULATIONS SUBMITTED TO NYCT SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.

22. TEMPORARY AND PERMANENT SHIELD INSTALLATION PLANS AND CALCULATIONS PROTECTING NYCT FACILITIES AND/OR THE PUBLIC SHALL BE SUBMITTED TO NYCT FOR APPROVAL. THE PLANS SHALL INCLUDE THE LOCATION, DESIGN LOAD, TYPE AND METHOD OF ATTACHMENT TO THE TRANSIT STRUCTURE. THESE PLANS AND CALCULATIONS SUBMITTED TO NYCT SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.

23. ALL LUMBER AND PLYWOOD USED FOR PROTECTION OF SUBWAY FACILITIES SHALL BE FIRE RETARDANT.

24. SUBWAY EMERGENCY EXITS SHALL BE KEPT CLEAR AT ALL TIMES.

25. SPECIAL CARE SHALL BE EXERCISED WHEN EXCAVATING OVER OR NEAR THE SUBWAY ROOF SO THAT THE THIN CONCRETE PROTECTION OF THE SUBWAY WATERPROOFING IS NOT DAMAGED. REPAIR PLANS FOR DAMAGE TO THE WATER PROTECTION WATERPROOFING LAYER DURING EXCAVATION SHALL BE SUBMITTED FOR NYCT APPROVAL. REPAIR WORK SHALL BE PERFORMED BEFORE EXCAVATED AREA IS FILED, CLOSED OR COVERED UP AT NO EXPENSE TO NYCT.

26. BURNING OF, WELDING TO OR DRILLING THROUGH EXISTING STEEL STRUCTURES SHALL NOT BE PERMITTED EXCEPT AS SHOW ON DRAWINGS APPROVED BY NYCT.

27. HORIZONTAL AND VERTICAL CONTROL SURVEY DATA OF THE EXISTING NYCT STRUCTURE SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR TO MONITOR ANY MOVEMENTS THAT OCCUR DURING CONSTRUCTION AND TO CERTIFY THAT THE INDUCED MOVEMENTS ARE WITHIN THE LIMITS NOTED BELOW. IF ANY MOVEMENTS REQUIRE WORK TO BE STOPPED BASED ON THE VALUES BELOW, A REMEDIATION PLAN SHALL BE SUBMITTED TO NYCT FOR APPROVAL BY NYC PRIOR TO THE REHABILITATION AND REPAIR WORK.

	MONITORED & MEASURED MOVEMENT	ACTION TO TAKE
ELEVATED	1/8 INCH OR MORE	NOTIFY NYCT ENGINEER
ELEVATED	1/4 INCH OR MORE	STOP WORK
SUBWAY	1/4 INCH OR MORE	NOTIFY NYCT ENGINEER
SUBWAY	1/2 INCH OR MORE	STOP WORK

28. BUS ROUTES AFFECTED BY THE PROJECT MAY REQUIRE BUS DIVERSIONS. THESE ARRANGEMENTS SHALL BE MADE THROUGH:

MS. SARAH WYSS
SENIOR DIRECTOR, OPERATIONS PLANNING
NEW YORK CITY TRANSIT
2 BROADWAY, ROOM A17.82
NEW YORK, NEW YORK 10004
TELEPHONE NUMBER 646-252-5517

WHEN IMPACTING ANY BUS STOP, SPECIAL OPERATIONS SHALL BE NOTIFIED TWO WEEKS IN ADVANCE.

29. DUCT LINES SHALL BE MAINTAINED AND PROTECTED DURING CONSTRUCTION. ANY INTERFERENCE WITH DUCT LINES SHALL BE REPORTED TO THE NYCT ENGINEER. WHEN A DUCT LINE CONTAINING CABLES IS TO BE REMOVED, OR WHEN MASONRY ADJACENT THERETO IS TO BE REMOVED, PENETRATED, OR DRILLED THE WORK SHALL BE DONE WITH HAND LABOR ENTIRELY, USING HAMMER AND CHISEL. JACKHAMMERS, BULL POINTS OR OTHER POWER EQUIPMENT SHALL NOT BE USED.

30. WHERE MANHOLES ARE ENCOUNTERED:
   a. THEY SHALL BE PROTECTED AND RAISED OR LOWERED AS REQUIRED, TO MATCH THE NEW STREET GRADE.
   b. IF MANHOLE COVERS ARE RAISED OR LOWERED, PROTECT CABLES IN MANHOLE BY WOOD SHEETING OF 2" NOMINAL THICKNESS
   c. PRIOR TO THE START OF CONSTRUCTION OPERATIONS AFFECTING MANHOLES AND DUCT LINES, SEVEN DAYS NOTICE MUST BE GIVEN TO MR. LIONEL SAINT LOUIS P.E., ASSISTANT CHIEF OFFICER, INSPECTIONS AND EMERGENCY RESPONSE, MOW ENGINEERING, AT 347-672-2448, LIONEL.SAINTLOUIS@NYCT.COM.

31. CONSTRUCTION WORK DONE NEAR VENT GRATINGS AND HATCHES SHALL BE AS FOLLOWS:
   a. UNLESS APPROVED BY THE NYCT ENGINEER, ALL VENT GRATINGS AND HATCHES SHALL REMAIN OUTSIDE THE CONSTRUCTION SITE, SEPARATED BY A CONSTRUCTION FENCE. PROTECTIVE SHIELDS SHALL BE PROVIDED OVER VENT GRATINGS AS REQUIRED BY THE NYCT ENGINEER.
   b. NO BUILDING MATERIAL, VEHICLES OR CONSTRUCTION EQUIPMENT SHALL BE STORED OR COVERED OVER VENT, GRATINGS, HATCHES OR EMERGENCY EXITS.
   c. DETAILS OF SIDEWALK RECONSTRUCTION AROUND VENT GRATINGS, ENTRANCES, HATCHES AND EMERGENCY EXITS SHALL BE SUBMITTED TO NYCT FOR APPROVAL.

32. TRACTORS, CRANES, EXCAVATORS, AND ANY HEAVY EQUIPMENT USED IN THE VICINITY OF THE ELEVATED STRUCTURES SHALL BE ISOLATED FROM THE GROUND. SINCE THE ELEVATED STRUCTURE IS USED AS A NEGATIVE RETURN PATH, WITH A CONSEQUENT POTENTIAL BETWEEN IT AND THE ROUND, ANY CONTACT BETWEEN THE STRUCTURE AND THE GROUNDED EQUIPMENT COULD RESULT IN BURNING OF THE STEEL.

33. TEMPORARY CONSTRUCTION SHEDS, BARRICADES OR PLYWOOD PARTITIONS SHALL BE A MINIMUM OF 5'-0" FROM EDGE OF FINISHED PLATFORM. ALL BARRICADE PLANS SHALL BE SUBMITTED TO NYCTS'S OFFICE OF STATION PROGRAMS FOR REVIEW AND APPROVAL.

34. THE GENERAL REQUIREMENTS FOR NYCT STATION AREAS OR STAIRWAY/CLOSINGS ARE AS FOLLOWS:
   a. ONLY ONE STAIRWAY AT EACH STATION SHALL BE PERMITTED TO BE CLOSED AT THE SAME TIME. APPROVALS FOR CLOSING ANY STAIRWAY SHALL BE OBTAINED FROM THE DIVISION OF STATION PROGRAMS AT LEAST THREE WEEKS IN ADVANCE.
   b. MS. SUSANNAH HARRINGTON, DIRECTOR, OFFICE OF STATION PROGRAMS: TELEPHONE 718/694-4891 OF THE DIVISION OF STATIONS SHALL BE NOTIFIED THREE WEEKS PRIOR TO THE ACTUAL CLOSING AND REOPENING OF THE ENTRANCE.
   c. SIGNAGE SHALL BE SUPPLIED AND POSED AT LEAST TWO WEEKS IN ADVANCE, ADVISING THE PUBLIC OF THE PROPOSED SUBWAY STAIR CLOSING. HOWEVER, IF IT IS AN ENTIRE ENTRANCE CLOSING SIGNAGE SHALL BE POSTED TWO WEEKS IN ADVANCE.
   d. THE STREET ENTRANCE STAIRWAY SHALL NOT BE CLOSED UNLESS MANPOWER AND MATERIALS ARE AVAILABLE TO COMMENCE WORK ON DATES PERMITTED
   e. ONCE THE CLOSING IS EFFECTED, CONSTRUCTION SIGNS SHALL BE PLACED AT APPROPRIATE LOCATIONS ON EACH BARRICADE AT THE STREET AND PLATFORM LEVELS, STATING THE CONTRACTOR'S NAME, 24 HOUR EMERGENCY TELEPHONE NUMBER, CONTRACT NUMBER, THE DURATION OF THE CLOSING, DIRECTION TO AN ALTERNATE ENTRANCE/EXIT AND AN ECOLOGY FOR THE INCONVENIENCE TO OUR CUSTOMERS.
   f. EXISTING STATION SIGNAGE SHALL BE ADJUSTED TO REFLECT ANY CHANGES IN ACCESS/EGRESS
   g. BARRICADES SHALL BE PAINTED FEDERAL BLUE AND MADE OF FIRE RATED MATERIAL. BARRICADES SHALL BE KEPT GRAFFITI FEE AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN THE BARRICADED AREA CLEAN OF ALL DEBRIS.
   h. ALL MATERIALS SHALL BE PROPERLY STORED AND SECURED AWAY FROM CUSTOMER TRAFFIC.
   i. THE CONTRACTOR SHALL REMOVE ALL WASTE MATERIAL AND BARRICADES FROM ALL STATION AREAS WHEN CONSTRUCTION IS COMPLETED.
   j. INSPECTION OF THE AREA UNDER CONSTRUCTION BY AUTHORIZED NYCT STATION DEPARTMENT EMPLOYEES SHALL NOT BE INHIBITED
   k. IF STREETLIGHTS ON THE SIDEWALKS ARE AFFECTED, TEMPORARY LIGHTS SHALL BE PROVIDED

35. IF NEW CONCRETE CONSTRUCTION IS DESIGNED TO JOIN THE EXISTING CONCRETE, DOWELS, LAP SPLICES AND KEYWAYS SHALL BE USED IN ACCORDANCE WITH NYCT STANDARDS. OTHERWISE, COLD JOINTS SHALL BE DESIGNED IN ACCORDANCE WITH NYCT STANDARDS.

36. IF THE PROJECT INVOLVES CONSTRUCTION OR ALTERATION OF A SUBWAY FACILITY ON PRIVATE PROPERTY, NYCT'S ENGINEER OF RECORD SHALL ENTER INTO AN AGREEMENT WITH NYCT PERTAINING TO ALL WORK AFFECTING THE TRANSIT FACILITIES WITH CLEARLY DEFINED LIMITS AND RESPONSIBILITY FOR MAINTENANCE AND LIABILITY.

37. WHEREVER A NEW SIDEWALK IS BEING PLACED ADJACENT TO NYCT STRUCTURES THE FOLLOWING NOTES SHALL BE FOLLOWED:
   a. THE TOP OF THE NEW SIDEWALK SHALL BE FLUSH WITH THE SUBWAY VENT GRATINGS, HATCHES AND EMERGENCY EXITS.
   b. THE SLOPE OF THE NEW SIDEWALK SHALL BE SUCH THAT THE DRAINAGE BE AWAY FROM THESE STRUCTURES.
   c. A ½" PREMOLDED FILLER SHALL BE INSTALLED BETWEEN THE NEW SIDEWALK AND THE NYCT STRUCTURE.
   d. WHERE SIDEWALK ELEVATIONS ARE BEING CHANGED, DETAILS OF PROPOSED WORK AROUND NYCT STRUCTURES SHALL BE SUBMITTED FOR APPROVAL.

38. BEFORE ENTERING NYC PROPERTY, CONTRACTOR OR SUBCONTRACTOR'S PERSONNEL SHALL HAVE ATTENDED NYCT TRACK SAFETY TRAINING AND EXPECT TO FOLLOW NYCT RULES AND REGULATIONS AS PER TRAINING AND INSTRUCTION.

39. BEFORE THE START OF ANY WORK, THE CONTRACTOR SHALL MAKE AN EXAMINATION, IN THE PRESENCE OF NYCT'S ENGINEER, OF THE INTERIOR AND EXTERIOR OF NYCT SUBWAY OR OTHER STRUCTURE ADJACENT TO THE PROPOSED WORK. THE EXISTING CONDITIONS SHALL BE AUTHORIZED BY THE CONTRACTOR TO MAKE THESE EXAMINATIONS SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL TAKE ALL PHOTOGRAPHS AS MAY BE NECESSARY OR ORDERED TO INDICATE THE EXISTING CONDITION OF NYCT STRUCTURE, ANY STRUCTURALLY DEFICIENT CONDITION SHALL BE MADE SAFE PRIOR TO THE COMMENCEMENT OF THE WORK. A COPY OF THE FIELD REPORT WITH PHOTOS SHALL BE SUBMITTED TO MR. LIONEL SAINT LOUIS, P.E., ASSISTANT CHIEF OFFICER, INSPECTIONS AND EMERGENCY RESPONSE, MOW ENGINEERING, 130 LIVINGSTON STREET, ROOM 804, BROOKLYN, NEW YORK 11201, TELEPHONE 347-672-2448, EMAIL LIONEL.SAINTLOUIS@NYCT.COM BEFORE THE START OF CONSTRUCTION.

40. ALL ARCHITECTURAL DETAILS (SERVICE BOOTHS, RAILINGS, DOORS, ETC.) SHALL CONFORM TO THE LATEST NYCT STANDARDS. THESE STANDARDS MAY BE AVAILABLE FROM NYCT.

41. STANDARD NYCT INSURANCE CLAUSES SHALL BE MADE PART OF THE PROJECT'S CONTRACT DRAWINGS. PROOF THAT THE NECESSARY INSURANCE IS IN EFFECT SHALL BE REQUIRED BEFORE WORK CAN COMMENCE.

42. AT THE CLOSE OF ANY PROJECT INVOLVING CONSTRUCTION OR ALTERATIONS TO TRANSIT FACILITIES, A PDF AND ELECTRONIC COPIES COMPLYING TO MICROSTATION DGN FORMAT OF "APPROVED AS-BUILTS" MUST BE PROVIDED TO NYCT FOR ITS RECORDS. FOR DETAILS OF SPECIFIC REQUIREMENTS, CONTACT MTA CONSTRUCTION AND DEVELOPMENT EXTERNAL PARTNER PROGRAM.

43. AT LEAST THREE WEEKS PRIOR TO THE START OF CONSTRUCTION OPERATIONS, NOTIFICATION SHALL BE GIVEN TO MR. LIONEL SAINT LOUIS, P.E., ASSISTANT CHIEF OFFICER, INSPECTIONS AND EMERGENCY RESPONSE, MOW ENGINEERING.

44. IF CHANGED FIELD CONDITIONS ARE FOUND OR DEVIATIONS ARE MADE FROM THE APPROVED DRAWINGS, REVISED DRAWINGS SHALL BE RESUBMITTED FOR MTA APPROVAL.

NOTE:
NYCT INSPECTOR SHALL BE NOTIFIED IN CASE OF DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS OR EQUIVALENT

NYCT "NOT FOR BENEFIT" INSURANCE REQUIREMENTS:

SECTION A. INSURANCE COVERAGES

THE PERMITTEE, AT ITS SOLE COST AND EXPENSE, SHALL OBTAIN AND MAINTAIN AT ALL TIMES DURING THE PERFORMANCE OF THE WORK SUCH POLICIES OF INSURANCE AS SET FORTH BELOW:

1. **WORKERS' COMPENSATION INSURANCE** AS REQUIRED BY STATUTE IN THE STATE IN WHICH THE WORK IS TO BE PERFORMED. EMPLOYERS LIABILITY INSURANCE WITH LIMITS OF NO LESS THAN $1,000,000 BODILY INJURY PER ACCIDENT; $1,000,000 BODILY INJURY PER DISEASE; AND $1,000,000 ANNUAL AGGREGATE. FOR WORK CONDUCTED OUTSIDE THE STATE OF NEW YORK, EMPLOYER'S LIABILITY INSURANCE REQUIRES LIMITS OF NOT LESS THAN $2,000,000 BODILY INJURY PER ACCIDENT; $2,000,000 BODILY INJURY PER DISEASE; AND $2,000,000 ANNUAL AGGREGATE AND MUST PROVIDE PROOF THAT ITS WORKERS' COMPENSATION INSURANCE POLICY HAS BEEN ENDORSED TO INCLUDE "OTHER STATES COVERAGE."

   IF THE REQUESTING PARTY LEASES ONE OR MORE EMPLOYEES THROUGH THE USE OF A PAYROLL, EMPLOYEE MANAGEMENT, OR OTHER SIMILAR COMPANY, THEN THE PERMITTEE MUST PROCURE WORKER'S COMPENSATION INSURANCE WRITTEN ON AN "E" ANY" POLICY FORM, INCLUDING AN ENDORSEMENT PROVIDING COVERAGE FOR ALTERNATE EMPLOYER/LEASED EMPLOYEE LIABILITY.

2. **COMMERCIAL GENERAL LIABILITY ("CGL") INSURANCE**, COVERING CLAIMS FOR PERSONAL AND ADVERTISING INJURY, BODILY INJURY (INCLUDING DEATH) AND PROPERTY DAMAGE ARISING OUT OF THE WORK AND IN A FORM PROVIDING COVERAGE NO LESS BROAD THAN THAT OF THE CURRENT ISO COMMERCIAL GENERAL LIABILITY INSURANCE POLICY (OCCURRENCE FORM, NUMBER CG 00 01). SUCH INSURANCE SHALL PROVIDE COVERAGE FOR ALL OPERATIONS INCLUDING THE PRODUCTS-COMPLETED OPERATIONS HAZARD, AND SHALL BE MAINTAINED FOR A PERIOD OF AT LEAST THREE (3) YEARS AFTER FINAL COMPLETION, SUBJECT TO THE LIMITATION OF ANY APPLICABLE STATUTE. THE LIMITS OF SUCH INSURANCE SHALL RENEW ANNUALLY AND NOT BE LESS THAN $2,000,000 EACH OCCURRENCE; $4,000,000 PRODUCTS AND COMPLETED OPERATIONS AGGREGATE; AND $4,000,000 PER PROJECT GENERAL AGGREGATE. THIS REQUIREMENT MAY BE SATISFIED BY A COMBINATION OF A PRIMARY CGL POLICY COVERAGE WITH LIMITS OF NOT LESS THAN $1,000,000 PER OCCURRENCE, AND FOLLOWING-FORM EXCESS OR UMBRELLA LIABILITY INSURANCE POLICY(IES) WHICH EQUAL THE TOTAL LIMITS REQUIRED ABOVE AND FOR EXCESS OR UMBRELLA LIABILITY INSURANCE IN SECTION 4 BELOW. THE CGL AND EXCESS OR UMBRELLA LIABILITY INSURANCE POLICIES MUST BE WRITTEN AN OCCURRENCE BASIS FORM, AND SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:

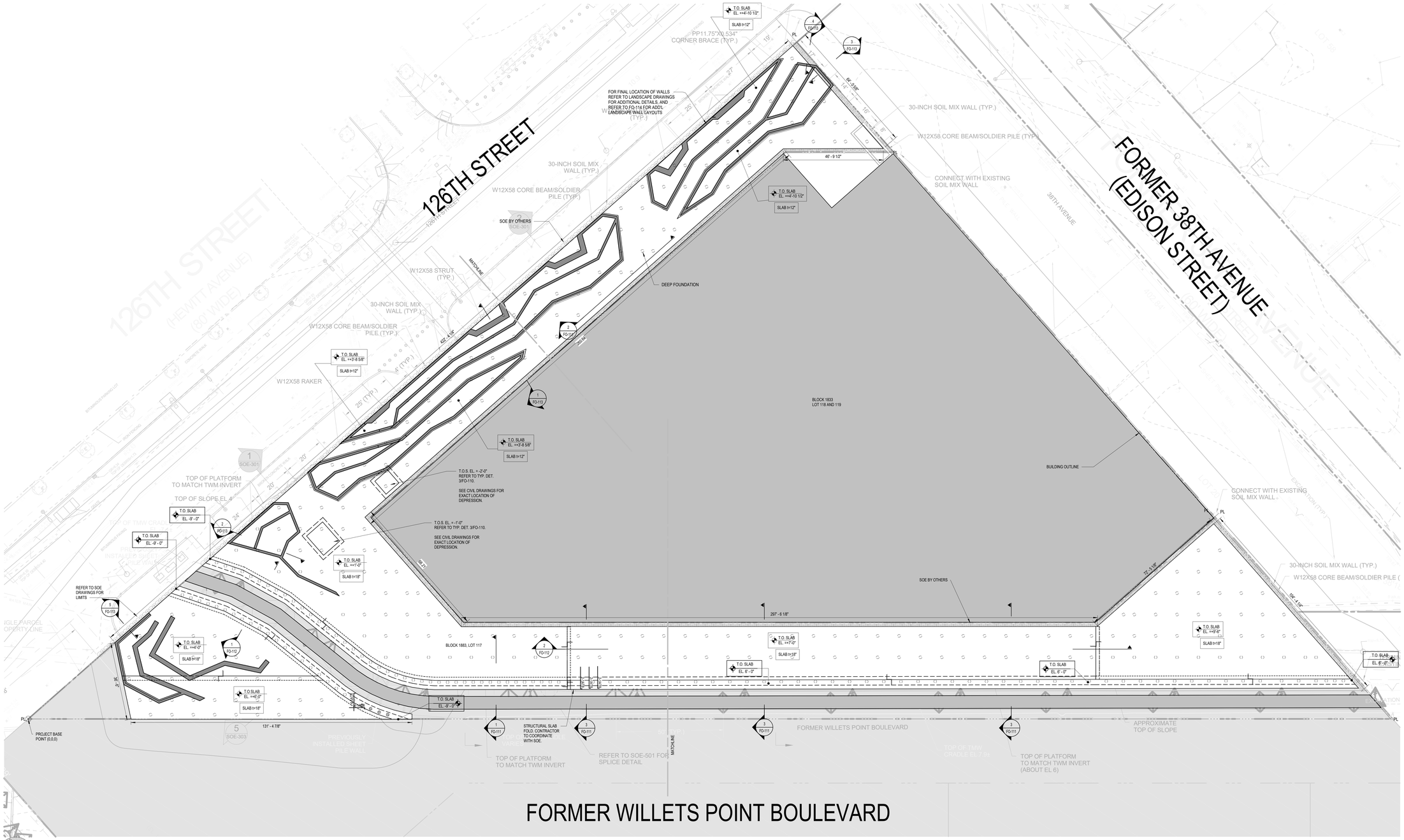
   - THE POLICY SHALL INCLUDE INDEPENDENT CONTRACTOR AND CONTRACTUAL LIABILITY COVERAGES;
   - THE POLICY SHALL NOT CONTAIN ANY CONTRACTUAL EXCLUSION RELATIVE TO LABOR LAWS OR ANY OTHER EXCLUSIONS OR LIMITATIONS DIRECTED TOWARD ANY TYPES OF PROJECTS, MATERIALS OR PROCESSES INVOLVED IN THE WORK;
   - THE POLICY SHALL NOT CONTAIN ANY OF THE FOLLOWING EXCLUSIONS: SUBCONTRACTOR'S EXCLUSION; CONSTRUCTION DEFECT EXCLUSION; LEASED WORKER EXCLUSION; CROSS LIABILITY EXCLUSION; CRANE EXCLUSION; AND DEMOLITION EXCLUSION OR "EXPLOSION, COLLAPSE AND UNDERGROUND EXCLUSION;
   - CONSTRUCTION WORK TAKING PLACE WITHIN 50 FEET OF A RAILROAD MUST INCLUDE:
     1. CONTRACTUAL LIABILITY – RAILROADS CG 24 17 LISTING THE SCHEDULED RAILROAD AND DESIGNATED JOB SITE;
     2. COVERAGE FOR CLAIMS FOR BODILY INJURY ASSERTED BY A RAILROAD EMPLOYEE OF AN ADDITIONAL INSURED AND ANY EMPLOYER'S LIABILITY EXCLUSION WHICH MAY OTHERWISE OPERATE TO EXCLUDE SUCH COVERAGE SHALL BE REMOVED.

3. **BUSINESS AUTOMOBILE LIABILITY INSURANCE**, IF ANY OWNED, NON-OWNED OR HIRED VEHICLES ARE USED BY THE PERMITTEE WHETHER ON OR OFF-SITE, COVERING THE LIABILITY OF THE PERMITTEE ARISING OUT OF ANY VEHICLE THAT BEARS, OR IS REQUIRED TO BEAR, LICENSE PLATES ACCORDING TO LAW IN CONNECTION IN WORK PERFORMED UNDER THE CONTRACT, AND WHICH ARE NOT COVERED BY THE PERMITTEE'S COMMERCIAL GENERAL LIABILITY. SUCH INSURANCE SHALL PROVIDE COVERAGE AT LEAST AS BROAD AS ISO BUSINESS AUTO COMPREHENSIVE LIABILITY POLICY (CA 00 01, CA 00 05, CA 00 12, CA 00 20), WITH LIMITS NOT LESS THAN $2,000,000 EACH ACCIDENT ON A COMBINED SINGLE BASIS. IF THE WORK INVOLVES TRANSPORTATION OF HAZARDOUS OR REGULATED MATERIALS, THE POLICY SHALL INCLUDE NON-OWNED AND/OR HAZARDOUS OR REGULATED MATERIALS, THE PERMITTEE SHALL PROVIDE POLLUTION LIABILITY COVERAGE EQUIVALENT TO THAT PROVIDED BY THE ISO POLLUTION LIABILITY-BROADENED COVERAGE FOR COVERED AUTOS ENDORSEMENT (CA 99 48), AND THE MOTOR CARRIER ACT ENDORSEMENT (MCS 90). ANY STATUTORILY MANDATED "NO-FAULT" BENEFITS AND UNINSURED/UNDERINSURED MOTORIST COVERAGE SHALL BE INCLUDED.

4. **UMBRELLA/EXCESS LIABILITY INSURANCE**, WITH LIMITS NOT LESS THAN $3,000,000 PER OCCURRENCE IN EXCESS OF THE LIMITS FOR COMMERCIAL GENERAL LIABILITY, EMPLOYER'S LIABILITY AND BUSINESS AUTOMOBILE LIABILITY WHICH IS AT LEAST AS BROAD AS EACH OF THE UNDERLYING POLICIES. THE UMBRELLA/EXCESS LIABILITY POLICIES SHALL BE WRITTEN ON A "DROP-DOWN" AND "FOLLOWING FORM" BASIS, WITH ONLY SUCH EXCEPTIONS AS ARE APPROVED BY THE AUTHORITY/MTA.

5. **RAILROAD PROTECTIVE LIABILITY INSURANCE** (ISO-RIMA OR EQUIVALENT FORM), IF ANY WORK WILL BE TAKING PLACE WITHIN 50 FEET OF A RAILROAD, SUBWAY OR SIMILAR TRACKED CONVEYANCE OR RECEIVES FLAG OR PROTECTIVE MEASURES FOR THE PERMITTEE OR ITS AFFILIATES OR THEIR RESPECTIVE EMPLOYEES, COVERING THE WORK TO BE PERFORMED AT THE DESIGNATED JOB SITE AND AFFORDING PROTECTION FOR DAMAGES ARISING OUT OF BODILY INJURY OR DEATH, PHYSICAL DAMAGE TO OR DESTRUCTION OF PROPERTY, INCLUDING DAMAGE TO THE INSURED'S OWN PROPERTY AND CONFORMING TO THE FOLLOWING:

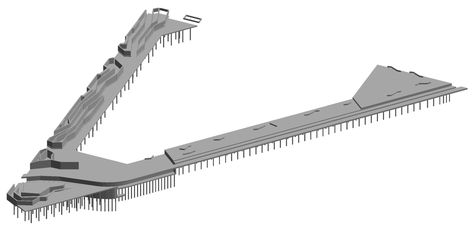
   - THE POLICY SHALL BE ISSUED TO AND SHALL NAME AS THE "NAMED INSUREDS" EACH OF THE INDEMNIFIED PARTIES LISTED UNDER SECTION D BELOW
   - THE LIMIT OF LIABILITY SHALL BE NOT LESS THAN $2,000,000 PER OCCURRENCE, SUBJECT TO A $6,000,000 ANNUAL AGGREGATE;
   - POLICY MUST BE ENDORSED TO PROVIDE COVERAGE FOR CLAIMS ARISING FROM INJURY TO EMPLOYEES COVERED BY FEDERAL EMPLOYER'S LIABILITY ACT (FELA), WHEN APPLICABLE;
   - INDICATE THE NAME AND ADDR



PLATFORM FOUNDATION OVERALL PLAN

SCALE: 1/16" = 1'-0"

NORTH



3D ISO - PLATFORM FOUNDATION OVERALL PLAN

LEGEND:

DENOTES 16" DIAMETER DEEP FOUNDATION WITH 150 TON COMPRESSION CAPACITY

DENOTES 16" DIAMETER FIXED HEAD DEEP FOUNDATION WITH 150 TON COMPRESSION CAPACITY

NOTE: PILE TYPE TO BE PROPSED BY THE CONTRACTOR.

TOP OF SLAB ELEVATION U.O.N.:	**SEE PLAN**
SLAB THICKNESS U.O.N.:	**18"**
SLAB CONCRETE STRENGTH:	**f'c = 8 ksi**
SLAB TOP BARS U.O.N.:	**#8@12" O.C. E.W.**
SLAB BASIC BOTTOM BARS U.O.N.:	**#8@12" O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING FO-001.
2. ALL ELEVATIONS SHOWN ARE NAVD88.
3. FOR FOUNDATION DETAILS SEE DRAWING FO-110 SERIES.
4. OUTERMOST REINFORCING IN MAT RUNS E-W.
5. DETAILER TO CHECK ALL BAR CLEARANCES.
6. ALL BARS TO BE EPOXY-COATED.
7. REFER TO DWG. FO-101 FOR PROJECT BASE POINT.

LANGAN

Project No. 170197675

Date	Description	No.
03/07/2025	100% CONSTRUCTION DOCUMENTS	

Revisions

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.

SIGNATURE DATE SIGNED

MICHELE O'CONNOR
PROFESSIONAL ENGINEER NY Lic. No. 086302

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Project:
PHASE 2 TRIANGLE PARCEL OPEN SPACE LANDSCAPE/ HARDSCAPE
CORONA
QUEENS COUNTY NEW YORK

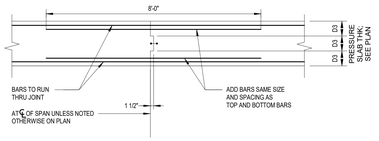
Drawing Title:
PLATFORM FOUNDATION PLAN WITH BACKGROUNDS

Project No.	170197675
Date	03/07/2025
Drawn By	DCEBIM
Checked By	KM/RM

FO-101

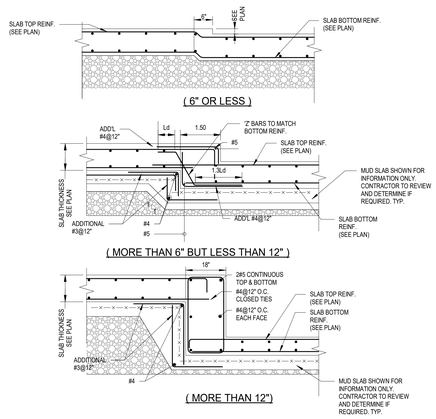
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4 TYPICAL FOUNDATION SLAB/MAT CONSTRUCTION JOINT

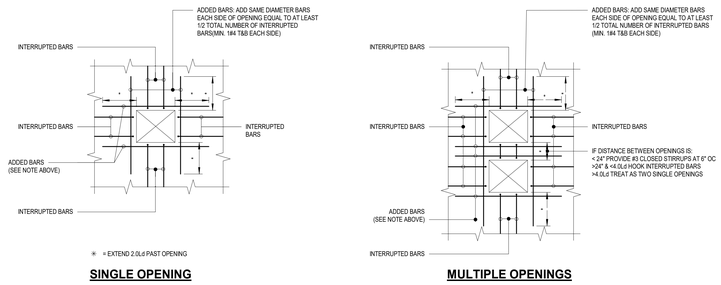
SCALE: 1/2" = 1'-0"



NOTE: AT CONTRACTOR'S OPTION HAUNCH MAY BE OMITTED AND WIDTH OF FOLD OVERLAP TO MATCH SLAB DROP DIMENSION

3 TYPICAL STRUCTURAL SLAB DROP DETAIL

SCALE: 1/2" = 1'-0"



NOTES:
1. HOOK ALL INTERRUPTED BARS.
2. OMIT ADDED BARS IF STANDARD BAR SPACING CAN BE PLACED ON EITHER SIDE OF THE OPENING.
3. WHERE OPENINGS ARE NEAR OR AGAINST EXTERIOR BEAMS OR COLUMNS AND ADDED REINFORCEMENT CANNOT BE EXTENDED 2.0Ld, HOOK ADDED BARS.
4. OPENINGS NOT LIMITED TO RECTANGULAR. DETAIL SIMILAR FOR ROUND OPENINGS.

1 TYPICAL DETAIL OF REINFORCEMENT AT OPENING IN SLAB TYPICAL UNLESS SHOWN OTHERWISE ON PLANS

SCALE: 1/2" = 1'-0"

LANGAN

Project No. 170197675

Date	Description	No.
03/07/2025	100% CONSTRUCTION DOCUMENTS	

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PROFESSIONAL ENGINEER NY Lic. No. 086302

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Project
PHASE 2 TRIANGLE PARCEL OPEN SPACE LANDSCAPE/ HARDSCAPE
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QUEENS COUNTY NEW YORK

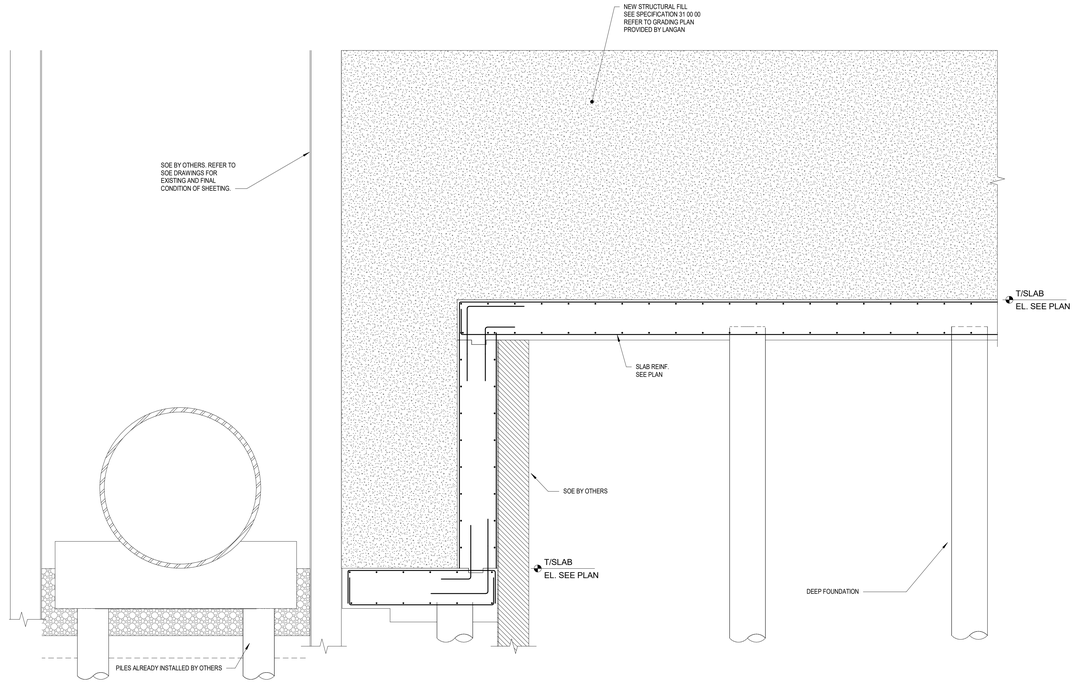
Drawing Title
TYPICAL FOUNDATION DETAILS

Project No.	170197675
Date	03/07/2025
Drawn By	Author
Checked By	Checker

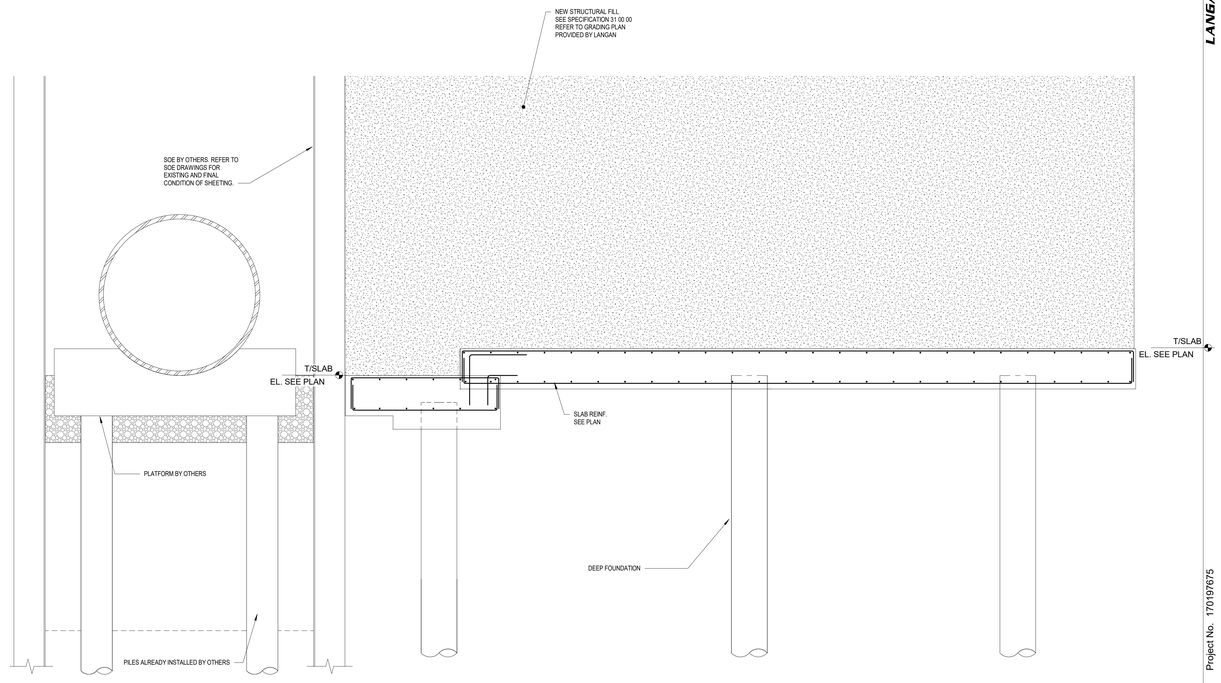
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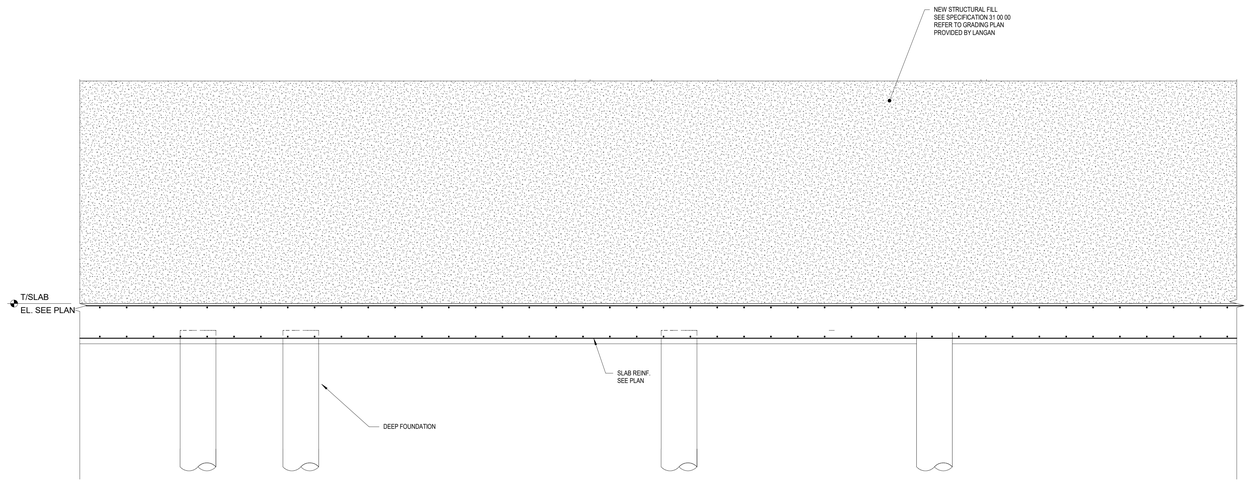
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1 PLATFORM SECTION
SCALE: 1/2" = 1'-0"



3 PLATFORM SECTION
SCALE: 1/2" = 1'-0"



2 PLATFORM SECTION
SCALE: 1/2" = 1'-0"

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Project No. 170197675

Date	Description	No.
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Revisions

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NEW YORK, NY 10001
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P: 516-773-3800

LANDSCAPE ARCHITECT:
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MEP ENGINEER:
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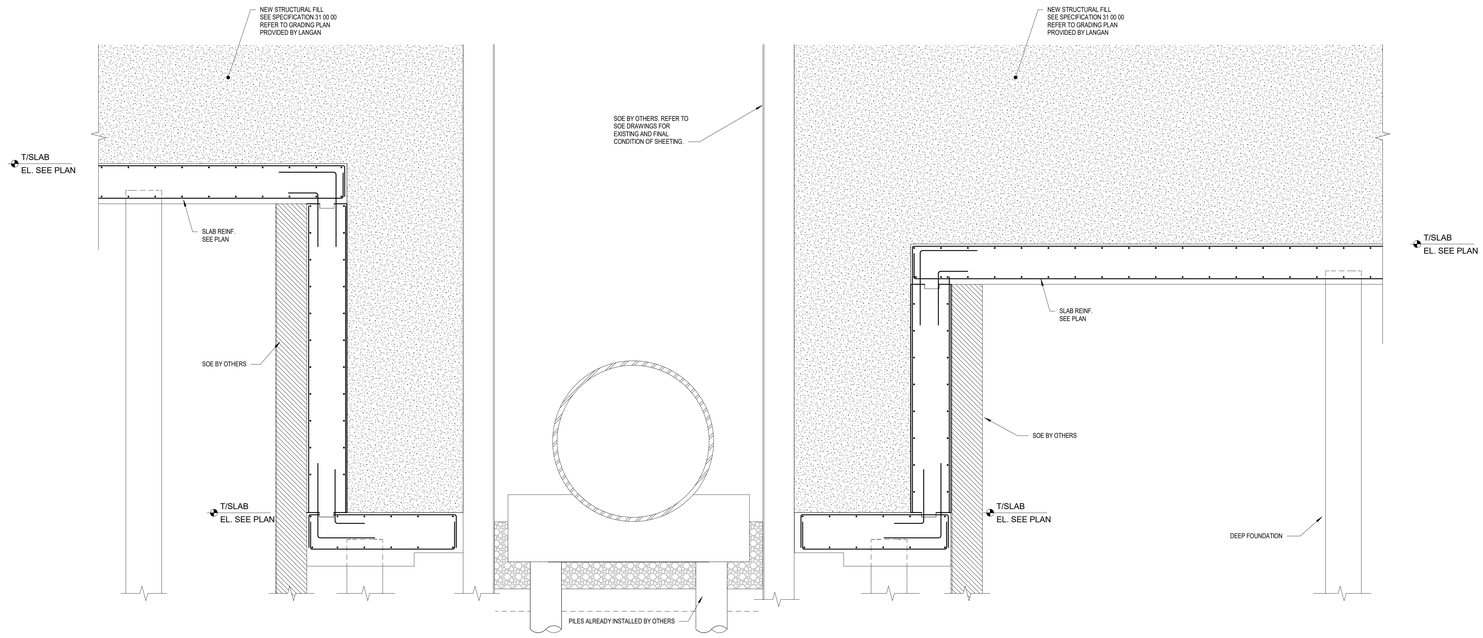
Project
PHASE 2 TRIANGLE PARCEL OPEN SPACE LANDSCAPE/ HARDSCAPE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
FOUNDATION SECTIONS AND DETAILS

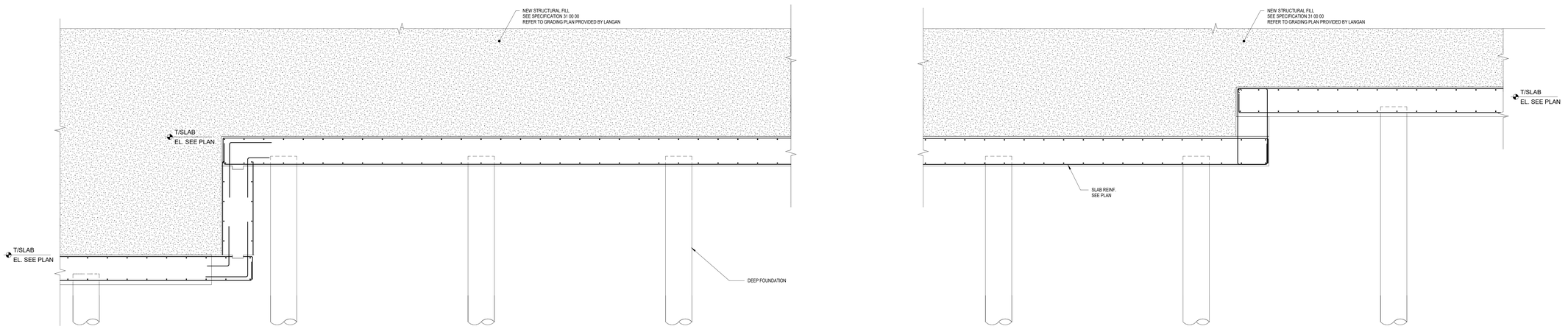
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1 PLATFORM SECTION
SCALE: 1/2" = 1'-0"



2 PLATFORM SECTION
SCALE: 1/2" = 1'-0"

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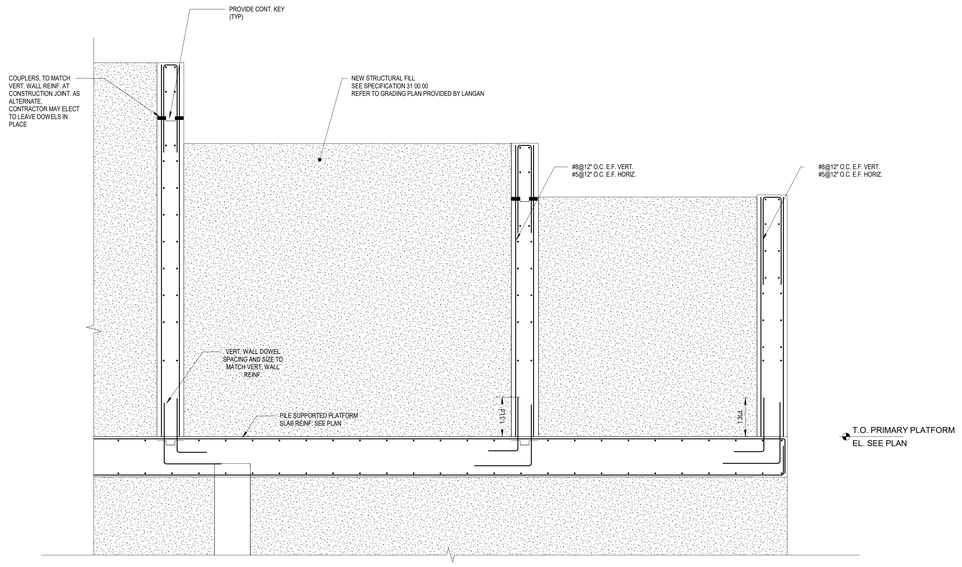
Project
PHASE 2 TRIANGLE PARCEL OPEN SPACE LANDSCAPE/ HARDSCAPE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
FOUNDATION SECTIONS AND DETAILS

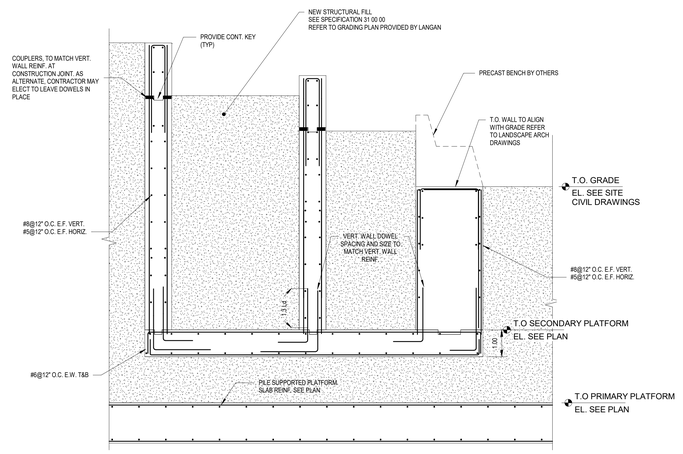
Project No.	170197675
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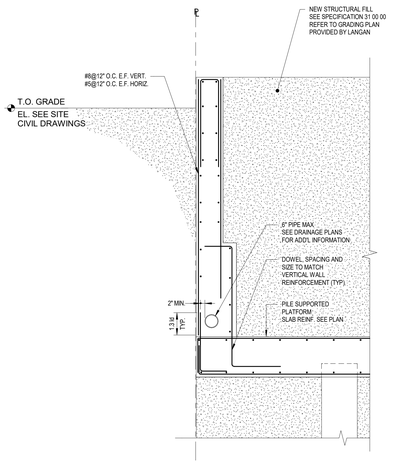
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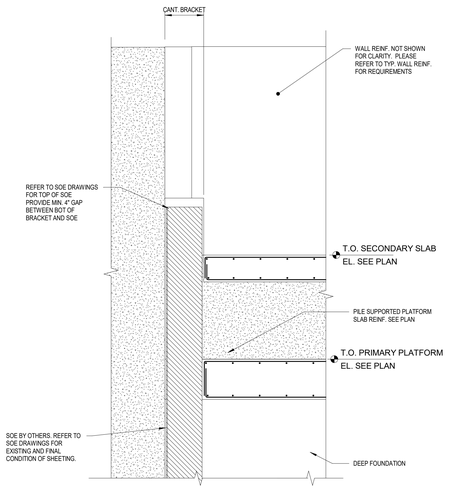
2 RETAINING WALL WITH CONNECTION TO PILE SUPPORTED PLATFORM (TYP.)
SCALE: 1/2" = 1'-0"



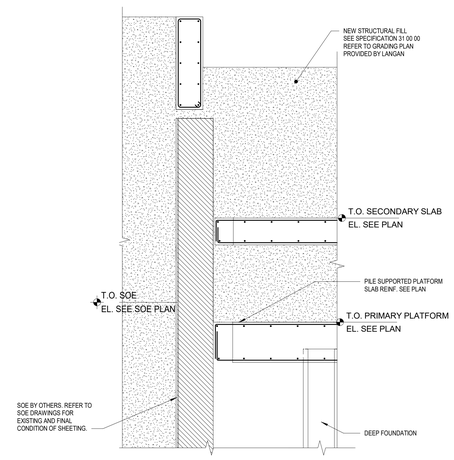
1 RETAINING WALL WITH CONNECTION TO SECONDARY PLATFORM (TYP.)
SCALE: 1/2" = 1'-0"



5 LANDSCAPE WALLS W/ HORIZONTAL PIPING CLASH
SCALE: 1/2" = 1'-0"



4 SECTION AT CANTILEVER LANDSCAPE WALLS
SCALE: 1/2" = 1'-0"



3 RETAINING WALL CANTILEVERED OVER SOE
SCALE: 1/2" = 1'-0"

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Project
PHASE 2 TRIANGLE PARCEL OPEN SPACE LANDSCAPE/ HARDSCAPE
CORONA
QUEENS COUNTY NEW YORK

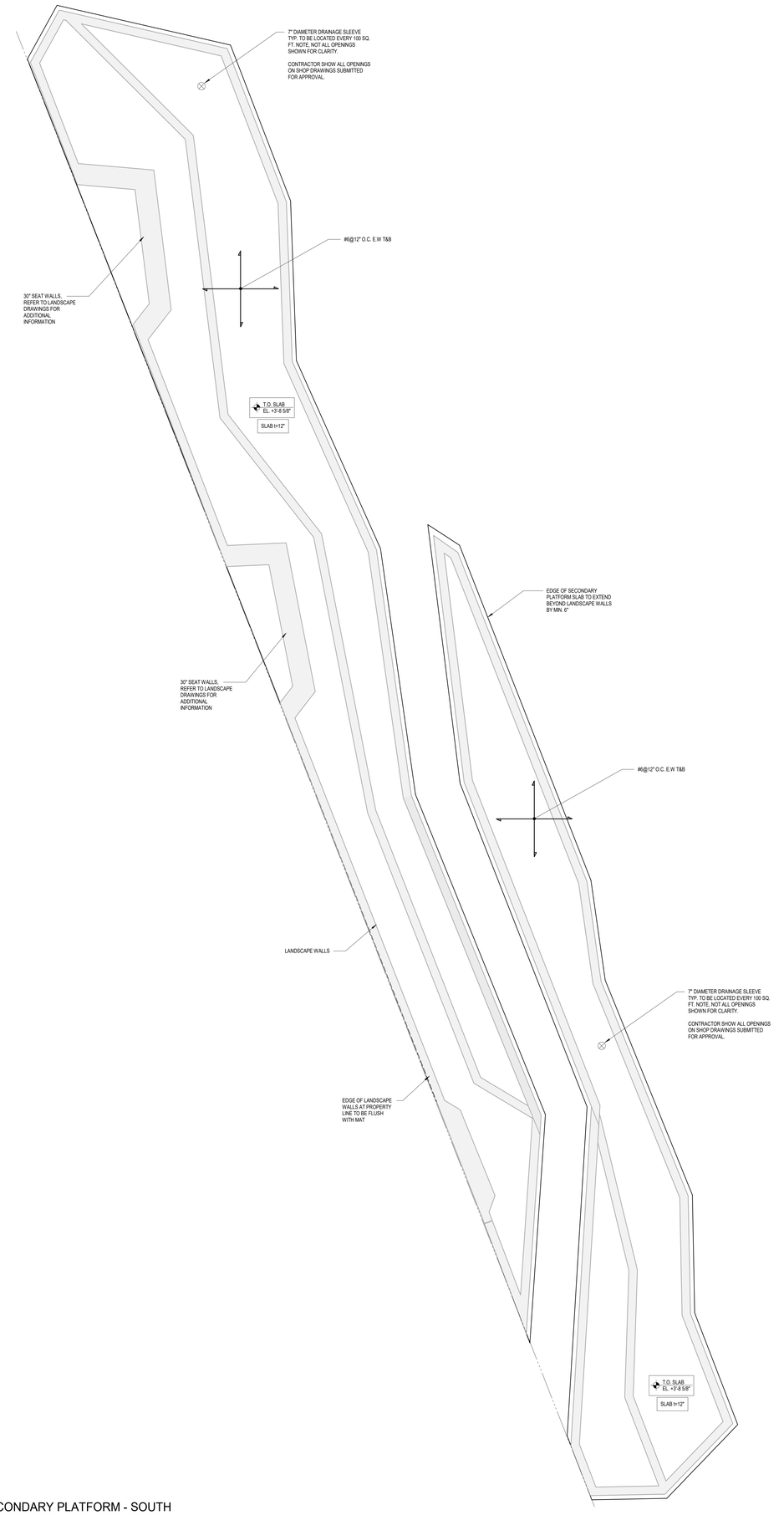
Drawing Title
FOUNDATION SECTIONS AND DETAILS

Project No.	170197675
Date	03/07/2025
Drawn By	Author
Checked By	Checker

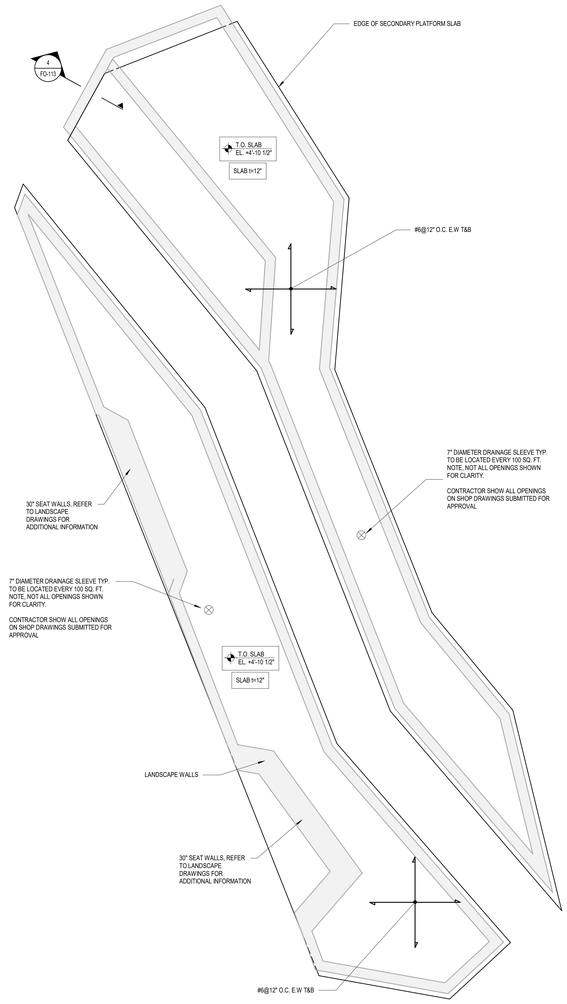
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Project No. 170197675



2 SECONDARY PLATFORM - SOUTH
SCALE: 3/16" = 1'-0"



NOTES:
1. REFER TO LANDSCAPE DRAWINGS FOR WALL LOCATIONS.

1 SECONDARY PLATFORM - NORTH
SCALE: 3/16" = 1'-0"

LANGAN

Project No. 170197675

Date	Description	No.
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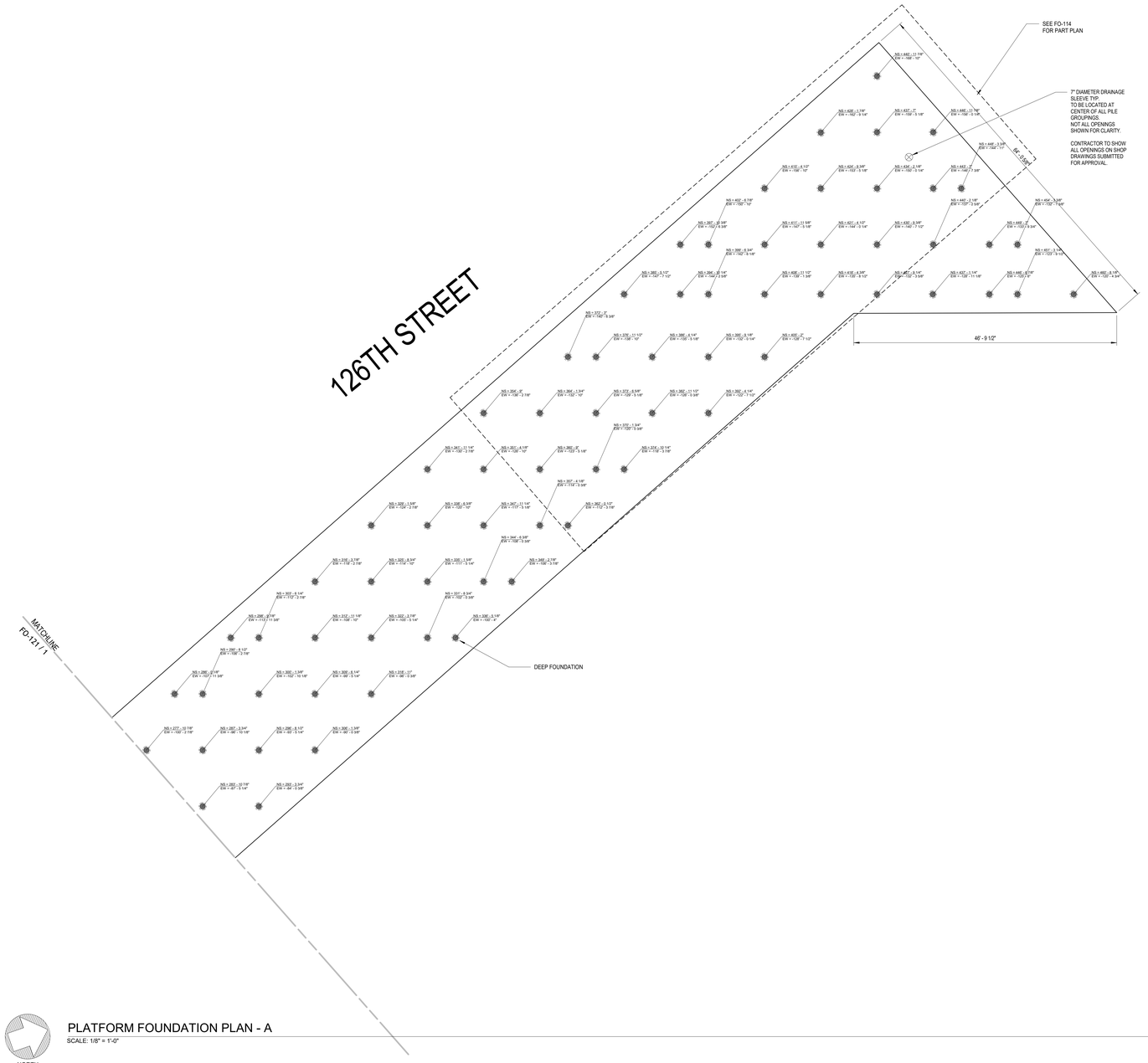
Project
PHASE 2 TRIANGLE PARCEL OPEN SPACE LANDSCAPE/ HARDSCAPE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
SECONDARY PLATFORM PART PLANS

Project No.	170197675
Date	03/07/2025
Drawn By	Author
Checked By	Checker

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PLATFORM FOUNDATION PLAN - A

SCALE: 1/8" = 1'-0"

NORTH

TOP OF SLAB ELEVATION U.O.N.:	**REF. FO-101**
SLAB THICKNESS U.O.N.:	**18"**
SLAB CONCRETE STRENGTH:	**f'c = 8 ksi**
SLAB TOP BARS U.O.N.:	**#8@12" O.C. E.W.**
SLAB BASIC BOTTOM BARS U.O.N.:	**#8@12" O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING FO-001.
2. ALL ELEVATIONS SHOWN ARE NAVD88.
3. FOR FOUNDATION DETAILS SEE DRAWING FO-110 SERIES.
4. OUTERMOST REINFORCING IN MAT RUNS E-W.
5. DETAILER TO CHECK ALL BAR CLEARANCES
6. ALL BARS TO BE EPOXY-COATED.
7. REFER TO DWG. FO-101 FOR PROJECT BASE POINT.

Date	Description	No.
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Project
PHASE 2 TRIANGLE PARCEL OPEN SPACE LANDSCAPE/ HARDSCAPE
QUEENS COUNTY CORONA NEW YORK

Drawing Title
PLATFORM FOUNDATION PLAN - A

Project No.	170197675
Date	03/07/2025
Drawn By	Author
Checked By	Checker

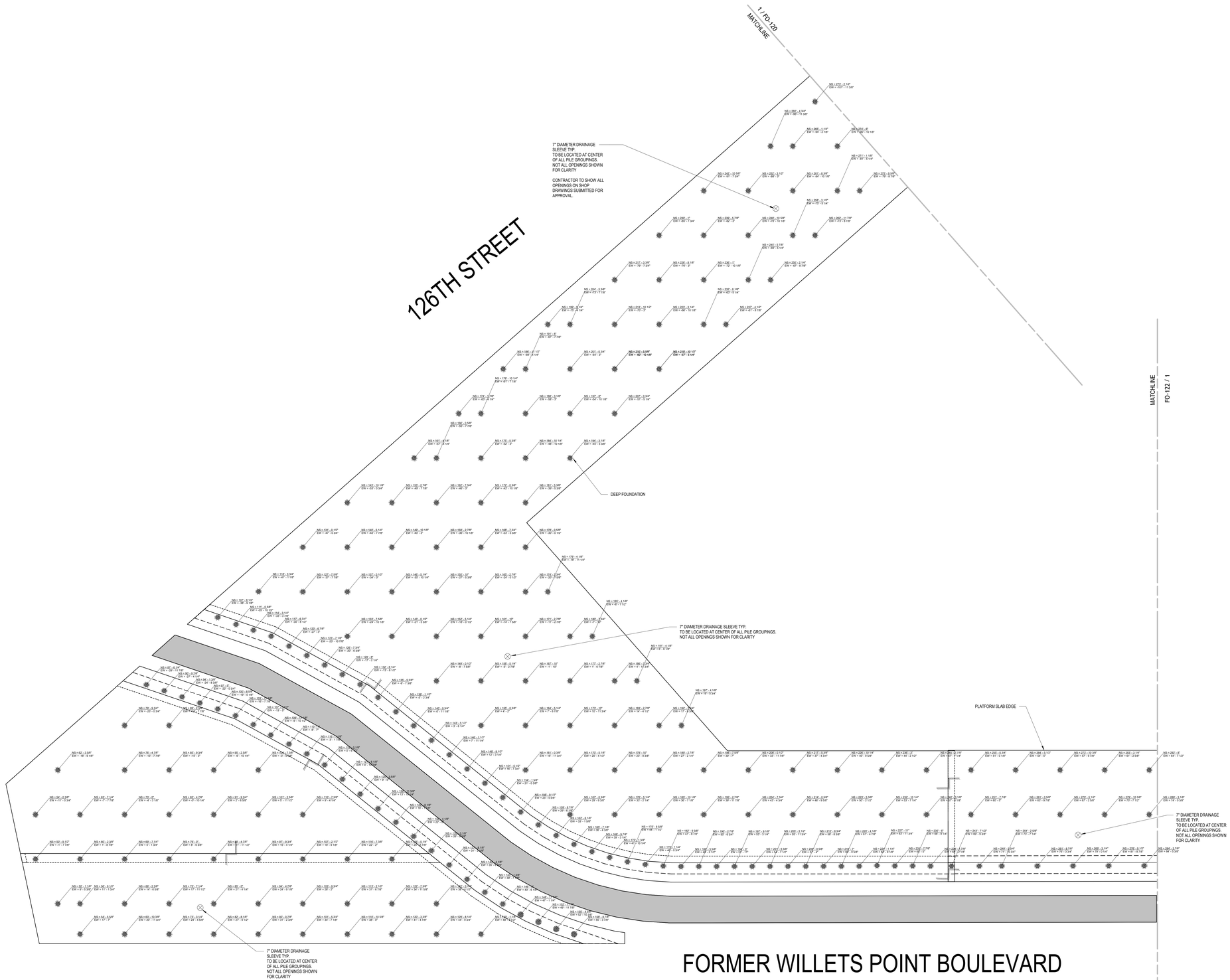
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Project No. 170197675



PLATFORM FOUNDATION PLAN - B

SCALE: 1/8" = 1'-0"

NORTH

TOP OF SLAB ELEVATION U.O.N.:	**REF. FO-101**
SLAB THICKNESS U.O.N.:	**18"**
SLAB CONCRETE STRENGTH:	**f'c = 8 ksi**
SLAB TOP BARS U.O.N.:	**#8@12" O.C. E.W.**
SLAB BASIC BOTTOM BARS U.O.N.:	**#8@12" O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING FO-001.
2. ALL ELEVATIONS SHOWN ARE NAVD88.
3. FOR FOUNDATION DETAILS SEE DRAWING FO-110 SERIES.
4. OUTERMOST REINFORCING IN MAT RUNS E-W.
5. DETAILER TO CHECK ALL BAR CLEARANCES
6. ALL BARS TO BE EPOXY-COATED.
7. REFER TO DWG. FO-101 FOR PROJECT BASE POINT.

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Date	Description	No.
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Project:
PHASE 2 TRIANGLE PARCEL OPEN SPACE LANDSCAPE/ HARDSCAPE
CORONA
QUEENS COUNTY NEW YORK

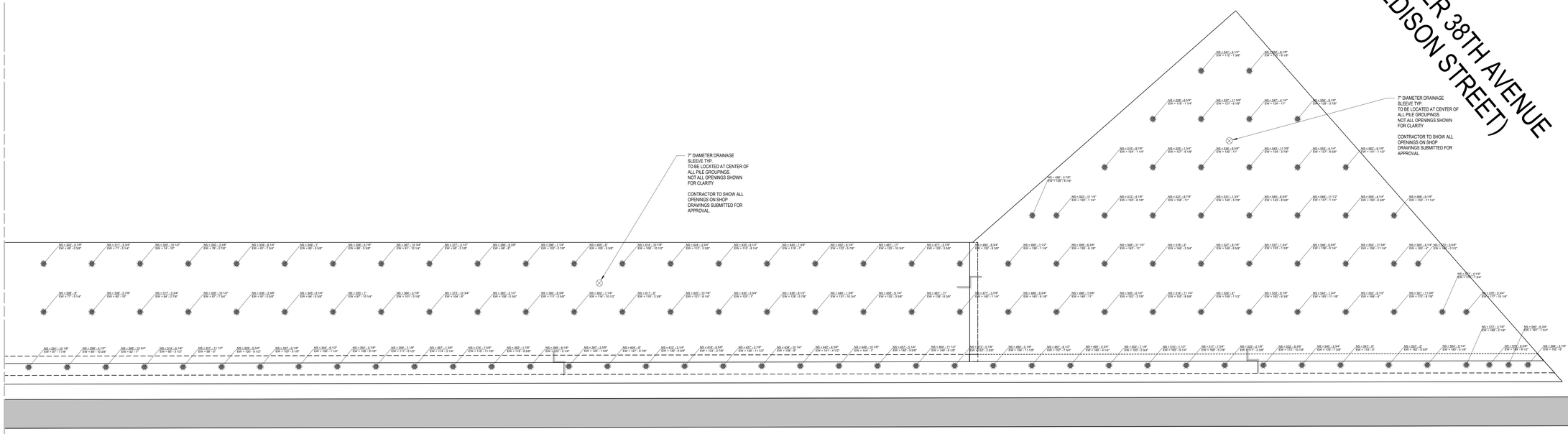
Drawing Title:
PLATFORM FOUNDATION PLAN - B

Project No.	170197675
Date	03/07/2025
Drawn By	Author
Checked By	Checker

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PLATFORM FOUNDATION PLAN - C

SCALE: 1/8" = 1'-0"

NORTH

TOP OF SLAB ELEVATION U.O.N.:	**REF. FO-101**
SLAB THICKNESS U.O.N.:	**18"**
SLAB CONCRETE STRENGTH:	**f'c = 8 ksi**
SLAB TOP BARS U.O.N.:	**#8@12" O.C. E.W.**
SLAB BASIC BOTTOM BARS U.O.N.:	**#8@12" O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING FO-001.
2. ALL ELEVATIONS SHOWN ARE NAVD88.
3. FOR FOUNDATION DETAILS SEE DRAWING FO-110 SERIES.
4. OUTERMOST REINFORCING IN MAT RUNS E-W.
5. DETAILER TO CHECK ALL BAR CLEARANCES
6. ALL BARS TO BE EPOXY-COATED.
7. REFER TO DWG. FO-101 FOR PROJECT BASE POINT.

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Project No. 170197675

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PROFESSIONAL ENGINEER NY Lic. No. 086302

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MEP ENGINEER:
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Project
PHASE 2 TRIANGLE PARCEL OPEN SPACE LANDSCAPE/ HARDSCAPE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
PLATFORM FOUNDATION PLAN - C

Project No.	170197675
Date	03/07/2025
Drawn By	Author
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GENERAL NOTES

1. ALL ELEVATIONS SHOWN ON THE CONTRACT DRAWINGS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) 1988, UNLESS OTHERWISE NOTED.
2. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OUTLINED ON THE CONTRACT DRAWINGS AND AS INDICATED IN THE PROJECT SPECIFICATIONS.
3. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE NEW YORK CITY BUILDING CODE AND THE REQUIREMENTS OF ALL OTHER AGENCIES HAVING JURISDICTION.
4. THE CONTRACTOR SHALL FOLLOW ALL APPLICABLE FEDERAL, STATE, AND CITY REGULATIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES PRIOR TO COMMENCING WORK, AS REQUIRED.
6. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS AND EXECUTING ALL ACCESS AGREEMENTS FOR WORK TO BE PERFORMED IN ADJACENT PROPERTIES, AS REQUIRED.
7. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCING WORK. VERIFY ALL DIMENSIONS, ELEVATIONS, AND LOCATIONS OF EXISTING FOUNDATIONS AND UTILITIES AND REPORT ANY DISCREPANCIES BETWEEN THE CONTRACT DRAWINGS AND THE FIELD CONDITIONS TO THE OWNER AND ENGINEER OF RECORD (EOR) FOR CLARIFICATION PRIOR TO COMMENCING WORK.
8. SHOULD FIELD CONDITIONS CONFLICT WITH THOSE INDICATED ON THESE DRAWINGS, THE EOR SHALL BE IMMEDIATELY NOTIFIED TO DETERMINE IMPACTS TO THE DESIGN AND TO PROVIDE ANY REQUIRED DESIGN CHANGES.
9. THE WORK SHOWN IN THESE DRAWINGS SHALL BE EXECUTED IN CONJUNCTION WITH THE CONTRACT DRAWINGS OF ALL OTHER DISCIPLINES. DISCREPANCIES BETWEEN THESE DRAWINGS AND THOSE OF OTHER DISCIPLINES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION PRIOR TO COMMENCING WORK.
10. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF OTHER TRADES, INCLUDING BUT NOT LIMITED TO: SITE UTILITIES, GENERAL EARTHWORK, AND FOUNDATION CONSTRUCTION.
11. REFER TO STRUCTURAL DRAWINGS (FO AND S SERIES) FOR BUILDING FOUNDATION DETAILS.
12. REFER TO ARCHITECTURAL DRAWINGS (A SERIES) FOR GENERAL BUILDING DETAILS.
13. REFER TO CIVIL DRAWINGS (C SERIES) FOR SITE UTILITIES AND GRADING DETAILS.
14. EXISTING UTILITIES AND STRUCTURES TO REMAIN SHALL BE PROTECTED, AS REQUIRED.
15. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE EOR PRIOR TO RELOCATING ANY SUPPORT OF EXCAVATION ELEMENT.
16. BENCH CUT OR SLOPE ALL EXCAVATIONS TO COMPLY WITH OSHA STANDARDS UNLESS SUITABLE TEMPORARY SHORING OR BRACING IS PROVIDED.
17. DO NOT OVER-EXCAVATE UNLESS DIRECTED BY THE OWNER'S ENGINEER FOR REMOVAL OF UNSUITABLE SOIL.
18. SURVEY BACKGROUND TAKEN FROM DRAWING TITLED "TOPOGRAPHIC, UTILITY AND BOUNDARY SURVEY" BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C., DATED 29 OCTOBER 2019, LAST REVISED 28 JULY 2023.
19. REFER TO THE GEOTECHNICAL ENGINEERING REPORT PREPARED BY LANGAN FOR INFORMATION PERTAINING TO GENERAL SUBSURFACE CONDITIONS. THE SUBSURFACE CONDITIONS INDICATED ON THESE DRAWINGS ARE INFERRED FROM A LIMITED NUMBER OF TEST LOCATIONS. THE ACTUAL SUBSURFACE CONDITIONS MAY VARY.
20. THE SUPPORT OF EXCAVATION SYSTEM HAS BEEN DESIGNED ASSUMING A VERTICAL SURCHARGE OF 600 PSF (DESIGN SURCHARGE). THE DESIGN SURCHARGE SHALL NOT BE EXCEEDED (SUCH AS CRANE LOADS) WITHOUT PRIOR APPROVAL.
21. BOTTOM OF EXCAVATION CAN VARY BY A FEW INCHES TO ACCOUNT FOR FIELD CONDITIONS OR WORK OF OTHER TRADES AND CONSTRUCTION TOLERANCES.
22. EXCAVATION AND HANDLING OF CONTAMINATED MATERIALS AND BACKFILL MATERIALS SHALL MEET THE REQUIREMENTS OF SECTION 026113 AND THE AUGUST 30, 2024 NYSDEC-APPROVED SITE MANAGEMENT PLAN.
23. TRADE CONTRACTOR RESPONSIBLE FOR ALL CUTTING, REMOVING, AND DISPOSING REQUIRED TO COMPLETE SCOPE OF WORK.

STEEL NOTES

1. STEEL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
   a.ROLLED SHAPES: ASTM A572 OR A992, GRADE 50, UON.

TIMBER NOTES

1. ALL TIMBER SHALL BE ROUGH SAWN, FULL SIZE, CONSTRUCTION GRADE LUMBER WITH A MINIMUM ALLOWABLE BENDING STRESS OF 1,500 PSI.

SOIL MIX WALL

1. ALL SOIL-MIX COLUMNS SHALL MEET THE MINIMUM STRENGTH AND PERMEABILITY REQUIREMENTS INDICATED ON THE CONTRACT DRAWINGS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE LAYOUT OF SOIL-MIX COLUMNS INCLUDING ANY NECESSARY SURVEYING.
3. SINGLE OR MULTI-SHAFT MIXING EQUIPMENT SHALL MECHANICALLY MIX SOIL AND CEMENT SLURRY TO PROVIDE THE FULL DIMENSIONS OF THE SYSTEM INDICATED ON THE CONTRACT DRAWINGS.
4. THE MIXING SHAFTS SHALL HAVE MIXING AUGERS AND/OR BLADES (PADDLES) CONFIGURED IN SUCH A MANNER THAT THEY ARE CAPABLE OF THOROUGHLY BLENDING THE IN SITU SOIL AND CEMENT SLURRY INTO A HOMOGENEOUS SOIL-CEMENT MIXTURE.
5. MIXING EQUIPMENT SHALL HAVE SUITABLE TORQUE AND CROWD TO MAINTAIN THE REQUIRED TOOL (SHAFT) ROTATIONAL SPEED AND PENETRATION/WITHDRAWAL RATES ACROSS THE HEIGHT OF SOIL-MIX COLUMNS.
6. THE EQUIPMENT SHALL BE EQUIPPED WITH SENSORS TO MONITOR THE PENETRATION/WITHDRAWAL RATES, ROTATIONAL SPEED, AND CEMENT SLURRY INJECTION RATE. THE OUTPUT FROM THESE SENSORS MUST BE VISIBLE TO THE OPERATOR AND THE OWNER'S ENGINEER DURING INSTALLATION.
7. THE EQUIPMENT SHALL BE EQUIPPED WITH DEPTH MEASURING DEVICE TO ALLOW THE OWNERS ENGINEER TO CONFIRM DEPTH DURING CONSTRUCTION.
8. SOIL-MIX COLUMNS SHALL BE INSTALLED TO WITHIN 2-INCHES OF THEORETICAL LOCATION AND DEVIATIONS FROM PLUMB NOT EXCEEDING 1 IN 80 DURING INSTALLATION.
9. THE MIXING SYSTEM SHALL UTILIZE A CEMENT MIXING PLANT THAT COMBINES DRY MATERIALS AND WATER IN PREDETERMINED PROPORTIONS. THE MIXING PLANT SHALL CONSIST OF A SLURRY MIXER, SLURRY AGITATOR, SLURRY PUMP, BATCHING SCALES, AND A COMPUTER CONTROL UNIT. DRY MATERIALS SHALL BE STORED IN SILOS. AUTOMATIC BATCH SCALES SHALL BE USED TO ACCURATELY DETERMINE MIX PROPORTIONS FOR WATER, CEMENT, AND POZZOLANS OR ADDITIVES, IF USED, BY WEIGHT DURING SLURRY PREPARATION. CALIBRATION OF MIXING COMPONENTS SHALL BE DONE AT THE BEGINNING OF THE PROJECT AND AFTER EACH MOVEMENT OF THE MIXING PLANT. THE CALIBRATION DATA SHALL BE PROVIDED TO THE OWNER'S ENGINEER.
10. SOIL-MIX COLUMN INSTALLATION SHALL BE SEQUENCED TO ENSURE A CONTIGUOUS OVERLAPPING WALL SECTION (6-INCH MINIMUM OVERLAP). THE SOIL-MIX WALL IS COMPRISED OF SINGLE PRIMARY COLUMNS SPACED BETWEEN SECONDARY COLUMNS. THE CENTER TO CENTER SPACING OF INDIVIDUAL SOIL-MIX COLUMNS SHALL BE AS SHOWN ON THE CONTRACT DRAWINGS.
11. PRIMARY COLUMNS SHALL BE COMPRISED OF TRUE SOIL-MIX COLUMNS CONSTRUCTED USING MIXING AUGERS AND/OR BLADES (PADDLES) THROUGH THE OVERBURDEN SOILS AND SHALL EXTEND FROM THE GROUND SURFACE TO THE ELEVATIONS SHOWN IN THE CONTRACT DRAWINGS.
12. SECONDARY COLUMNS SHALL BE COMPRISED OF REINFORCED ELEMENTS DRILLED SIMILAR TO PRIMARY COLUMNS WITH A CORE BEAM (OR REINFORCING CAGE) WET-SET FOLLOWING MIXING. WHERE REQUIRED, CORE BEAMS (OR REINFORCING CAGES) SHALL BE PUSHED-IN-PLACE USING A TRACKHOE OR SIMILAR EQUIPMENT. CARE SHALL BE TAKEN TO MAINTAIN THE VERTICAL ALIGNMENT OF THE REINFORCEMENT.
13. CEMENT INJECTION, TOOL PLUNGE, AND ROTATION RATES SHALL BE ADJUSTED AS NECESSARY TO PROVIDE SOIL-MIX COLUMNS CAPABLE OF PROVIDING SUFFICIENT GROUNDWATER CUT-OFF AND STRENGTH.
14. COMPRESSIVE STRENGTH: COLUMNS SHALL ATTAIN A MINIMUM UNCONFINED COMPRESSIVE STRENGTH OF 300 PSI AT 28 DAYS. COMPRESSION TESTING SHALL BE IN ACCORDANCE WITH ASTM C39.
15. SOIL MIXING SHALL BE CONDUCTED SUCH THAT THERE IS NO HEAVE, SETTLEMENT, OR LOSS OF SUPPORT TO ADJACENT STRUCTURES.
16. REMEDIAL GROUTING SHALL BE PERFORMED AS REQUIRED TO SEAL INTERFACES IN INSTANCES OF GROUNDWATER SEEPAGE OR WHERE THERE IS EVIDENCE OF VOIDS.
17. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR MATERIALS AND INSTALLATION PROCEDURES. ALTERNATES WHERE PROPOSED SHALL BE ACCOMPANIED BY ALL ATTENDANT SUPPORTING CALCULATIONS.

MONITORING NOTES

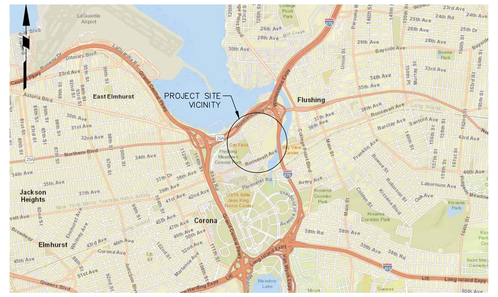
1. MONITORING SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1705.25.8.1 AND 1814 OF THE NEW YORK CITY BUILDING CODE, THE PROJECT SPECIFICATIONS, AND THE REQUIREMENTS OUTLINED HEREIN.
2. OPTICAL SURVEY MONITORING POINTS SHALL BE INSTALLED AT LOCATIONS DETERMINED IN CONSULTATION WITH THE OWNER'S ENGINEER. OPTICAL MONITORING POINTS SHALL BE INSTALLED AND BASELINE READINGS SHALL BE TAKEN PRIOR TO COMMENCING EXCAVATION ACTIVITIES.
3. SEISMOGRAPHS SHALL BE INSTALLED AT LOCATIONS DETERMINED IN CONSULTATION WITH THE OWNER'S ENGINEER. SEISMOGRAPHS SHALL BE INSTALLED AND BASELINE READINGS SHALL BE TAKEN PRIOR TO COMMENCING EXCAVATION ACTIVITIES.
4. THE QUANTITY AND LOCATION OF OPTICAL MONITORING POINTS AND SEISMOGRAPHS SHALL BE REVISED AS REQUIRED BASED ON OBSERVED FIELD CONDITIONS.
5. INSTALL OPTICAL SURVEY MONITORING POINTS ON EXISTING ADJACENT STRUCTURES AS SHOWN.
6. INSTALL OPTICAL MONITORING POINTS ON THE SUPPORT OF EXCAVATION SYSTEM AT THE TOP VERTICAL ELEMENTS AT MAXIMUM HORIZONTAL INTERVALS OF 25'-0". INSTALL OPTICAL SURVEY MONITORING POINTS VERTICALLY IN 15'-0" MAXIMUM INTERVALS BEGINNING AT THE TOP OF THE SUPPORT OF EXCAVATION WALL.
7. OPTICAL SURVEY MONITORING SHALL BE PERFORMED CONTINUOUSLY DURING EXCAVATION ACTIVITIES.
8. VIBRATION MONITORING SHALL BE PERFORMED ON A CONTINUOUS BASIS WHILE CONSTRUCTION ACTIVITY IS BEING PERFORMED.
9. ALL OPTICAL MONITORING POINTS SHALL BEAR A UNIQUE IDENTIFICATION. AS-BUILT PLANS SHALL BE PREPARED TO SHOW ALL THE INSTALLED OPTICAL MONITORING POINTS. PLANS SHALL BE AMENDED AS REQUIRED DURING CONSTRUCTION FOR THE ABANDONMENT, REPLACEMENT, OR ADDITION OF NEW SURVEY MONITORING LOCATIONS.
10. ALL MONITORING RESULTS SHALL BE PROVIDED TO THE CONSTRUCTION MANAGER AND EOR WITHIN 24 HOURS OF OBTAINING READINGS.
11. REFER TO SOE-110 FOR THRESHOLD AND LIMIT LEVEL.
12. EXCEEDANCE ACTION PLAN FOR REVIEW LEVELS:
    12.1. IF ANY MONITORING MEASUREMENT EXCEEDS REVIEW LEVELS PRESCRIBED HEREIN, ALL PARTIES, INCLUDING BUT NOT LIMITED TO, THE OWNER, EOR, CONSTRUCTION MANAGER, CONTRACTOR, AND ANY AGENCIES HAVING JURISDICTION SHALL BE NOTIFIED AND THE FOLLOWING ACTIONS SHALL BE TAKEN.
    12.1.1. THE CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE VICINITY OF THE EXCEEDANCE.
    12.1.2. THE EXCEEDANCE SHALL BE INVESTIGATED TO IDENTIFY POTENTIAL CORRELATION WITH CONSTRUCTION ACTIVITIES.
    12.1.3. ADJACENT STRUCTURES SHALL BE INSPECTED FOR POTENTIAL DAMAGE.
    12.1.4. THE CONTRACTOR SHALL DEVELOP AN ACTION PLAN TO MITIGATE FURTHER REVIEW LEVEL EXCEEDANCES AND THE POTENTIAL FOR ADDITIONAL MOVEMENT. EXCAVATION AND FOUNDATION CONSTRUCTION PROCEDURES SHALL BE MODIFIED AS NECESSARY TO MAINTAIN VIBRATION LEVELS AND MOVEMENTS WITHIN ACCEPTABLE LIMITS.
    12.1.5. MONITORING INTERVALS MAY BE INCREASED TO DAILY WHERE MOVEMENTS ARE FOUND TO EXCEED THE PRESCRIBED REVIEW LEVELS.
13. EXCEEDANCE ACTION PLAN FOR LIMIT LEVELS:
    13.1. IF ANY MONITORING MEASUREMENT EXCEEDS LIMIT LEVELS PRESCRIBED HEREIN, ALL PARTIES, INCLUDING BUT NOT LIMITED TO, THE OWNER, EOR, CONSTRUCTION MANAGER, CONTRACTOR, AND ALL AGENCIES HAVING JURISDICTION SHALL BE NOTIFIED AND THE FOLLOWING ACTIONS SHALL BE TAKEN.
    13.1.1. THE CONTRACTOR WILL IMMEDIATELY STOP WORK.
    13.1.2. THE EXCEEDANCE SHALL BE INVESTIGATED TO IDENTIFY POTENTIAL CORRELATION WITH CONSTRUCTION ACTIVITIES.
    13.1.3. ADJACENT STRUCTURES SHALL BE INSPECTED FOR POTENTIAL DAMAGE.
    13.1.4. IN THE EVENT THAT MONITORING READINGS INDICATE THAT MOVEMENT EXCEEDS THE LIMIT LEVELS (LATERAL OR VERTICAL) PRESCRIBED HEREIN, THE CONTRACTOR SHALL PROVIDE STABILIZATION OF THE EXCAVATION SUPPORT SYSTEMS VIA INSTALLATION OF TEMPORARY EARTHEN BERMS AND/OR ADDITIONAL BRACING. ADDITIONAL EXCAVATION ACTIVITIES SHALL NOT PROCEED WITHOUT THE AUTHORIZATION OF THE EOR AND ANY AGENCIES HAVING JURISDICTION.
    13.1.5. THE CONTRACTOR SHALL DEVELOP AN ACTION PLAN TO MITIGATE FURTHER EXCEEDANCES AND THE POTENTIAL FOR ADDITIONAL MOVEMENT. EXCAVATION AND FOUNDATION CONSTRUCTION PROCEDURES SHALL BE MODIFIED AS NECESSARY.
    13.1.6. WHERE REQUIRED, THE CONTRACTOR SHALL DEVELOP A CORRECTIVE ACTION PLAN TO ADDRESS ANY OBSERVED DAMAGE. CORRECTIVE ACTION PLAN WILL BE PROVIDED TO THE ADJACENT PROPERTY OWNER THAT EXPERIENCES EXCEEDENCE FOR COMMENT.
14. THE SITE SAFETY MANAGER SHALL CALL 311 TO IMMEDIATELY NOTIFY DOB IN CASE OF OBSERVED DAMAGE OR AN UNSAFE CONDITION.

NYC DEPARTMENT OF BUILDINGS NOTES

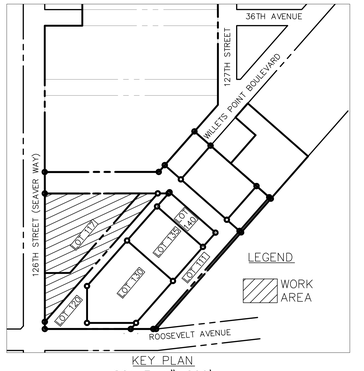
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED IN THE 2022 NEW YORK CITY BUILDING CODE SECTIONS 16, 17, 18 AND 33.
2. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF BUILDINGS 24-48 HOURS PRIOR TO COMMENCING EXCAVATION AS PER SECTION 3304.3.1 AND ANY ADJACENT PROPERTY OWNER'S AND/OR AGENCIES AS PER SECTIONS 3304.3.2 THROUGH 3304.3.7 OF THE NEW YORK CITY BUILDING CODE.
3. ALL WORK CONTAINED HEREIN SHALL BE SUBJECT TO SPECIAL INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF THE NEW YORK CITY BUILDING CODE. SPECIAL INSPECTORS SHALL MEET THE QUALIFICATIONS OUTLINED IN THE RULES OF THE CITY OF NEW YORK, CHAPTER 101-06. REQUIRED SPECIAL INSPECTIONS INCLUDE:
   3.1. EXCAVATIONS (BC 1705.25.3, 3304.4.1, 3304.5.2, 3304.12)
4. AN ACCREDITED SPECIAL INSPECTION AGENCY SHALL BE RETAINED BY THE OWNER TO PERFORM THE REQUIRED SPECIAL INSPECTIONS.
5. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION ON SCOPE AND DETAILED REQUIREMENTS FOR INSPECTIONS AND TESTING PERTAINING TO THIS WORK.
6. REFER TO THE PROJECT SPECIFICATIONS AND CONTRACT DRAWINGS FOR INSPECTION AND TESTING REQUIREMENTS PERTAINING TO ALL OTHER WORK.
7. CONTRACTOR TO PROVIDE DRAINAGE DURING EXCAVATION PER BC 3303.14.1.

SCOPE OF WORK

1. SOIL MIX WALL TO FACILITATE CONSTRUCTION OF PILE SUPPORTED PLATFORM.



SITE VICINITY PLAN
NOT TO SCALE



KEY PLAN
SCALE: 1"=200'

DRAWING LIST:

SOE-001	GENERAL NOTES
SOE-101	SUPPORT OF EXCAVATION PLAN PHASE A
SOE-102	SUPPORT OF EXCAVATION PLAN PHASE B
SOE-103	SUPPORT OF EXCAVATION PLAN PHASE C
SOE-104	SUPPORT OF EXCAVATION PLAN PHASE D
SOE-110	SUPPORT OF EXCAVATION PLAN MONITORING PLAN
SOE-301	SUPPORT OF EXCAVATION SECTIONS
SOE-302	SUPPORT OF EXCAVATION SECTIONS
SOE-303	SUPPORT OF EXCAVATION SECTIONS
SOE-501	SUPPORT OF EXCAVATION DETAILS

Date	Description	No.
Revisions		

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Project
WILLETS POINT
PHASE 2 - TRIANGLE
PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

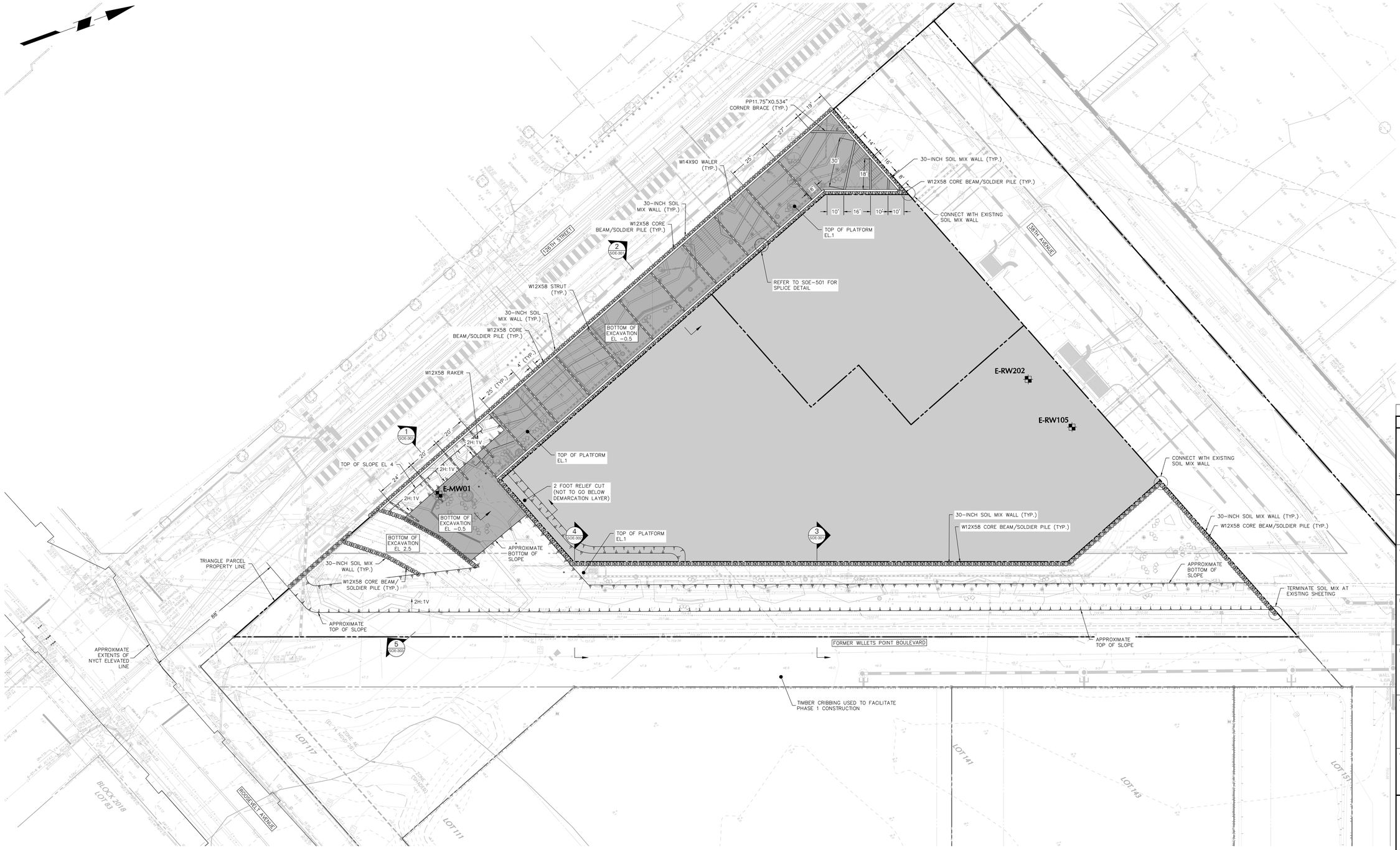
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Checked By	VV

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GENERAL NOTES:

1. BACKGROUND INFORMATION TAKEN FROM SURVEY TITLED "BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY" FOR WILLETS POINT DEVELOPMENT, PERFORMED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C., LAST UPDATED JULY 28, 2024.
2. PROPOSED GRADING TAKEN FROM DRAWING NUMBER "L-200" TITLED "GROUND FLOOR GRADING PLAN" BY MPFP PLLC, DATED FEBRUARY 1, 2024.
3. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) WHICH IS 1.625 FEET BELOW THE QUEENS TOPOGRAPHICAL BUREAU DATUM (QBD) AND 1.1 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK, NJ AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY (NGVD29).
4. EXISTING MONITORING WELLS TO BE PROTECTED AND SURVEYED (SECTION 33 24 13 – WELL PROTECTION, REPLACEMENT, AND ABANDONMENT).
5. ANY PROPOSED PILES WITHIN 15 FEET (EDGE-TO-EDGE) OF EXISTING DEP SEWERS OR WATER MAINS SHOULD BE INSTALLED BY DRILLING ONLY. NO HAMMERING OF PILES IS PERMITTED WITHIN 15-FT (EDGE-TO-EDGE) OF EXISTING DEP UTILITIES.

LEGEND:

- LIMIT OF DISTURBANCE
- LIMIT OF PARCEL DEVELOPMENTS
- APPROXIMATE ALIGNMENT OF 72-IN WATER MAIN
- E-XW## EXISTING MONITORING WELL TO BE PROTECTED AND SURVEYED

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Project
WILLETS POINT PHASE 2 - TRIANGLE PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
SUPPORT OF EXCAVATION PLAN PHASE A

Project No.	170197675
Date	3/28/2025
Drawn By	EK
Checked By	VV

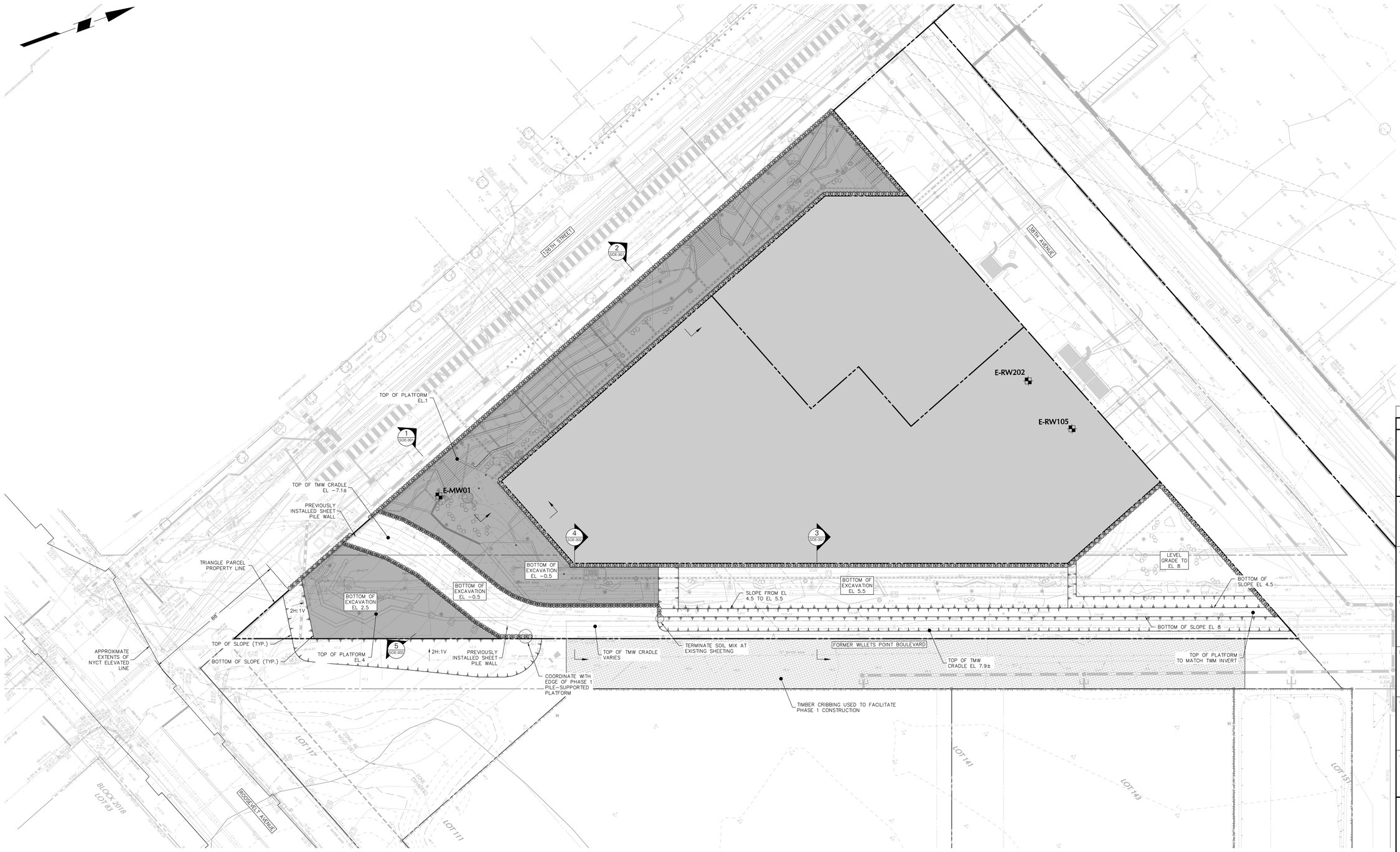
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- APPROXIMATE ALIGNMENT OF 72-IN WATER MAIN
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Project
WILLETS POINT PHASE 2 - TRIANGLE PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
SUPPORT OF EXCAVATION PLAN PHASE B

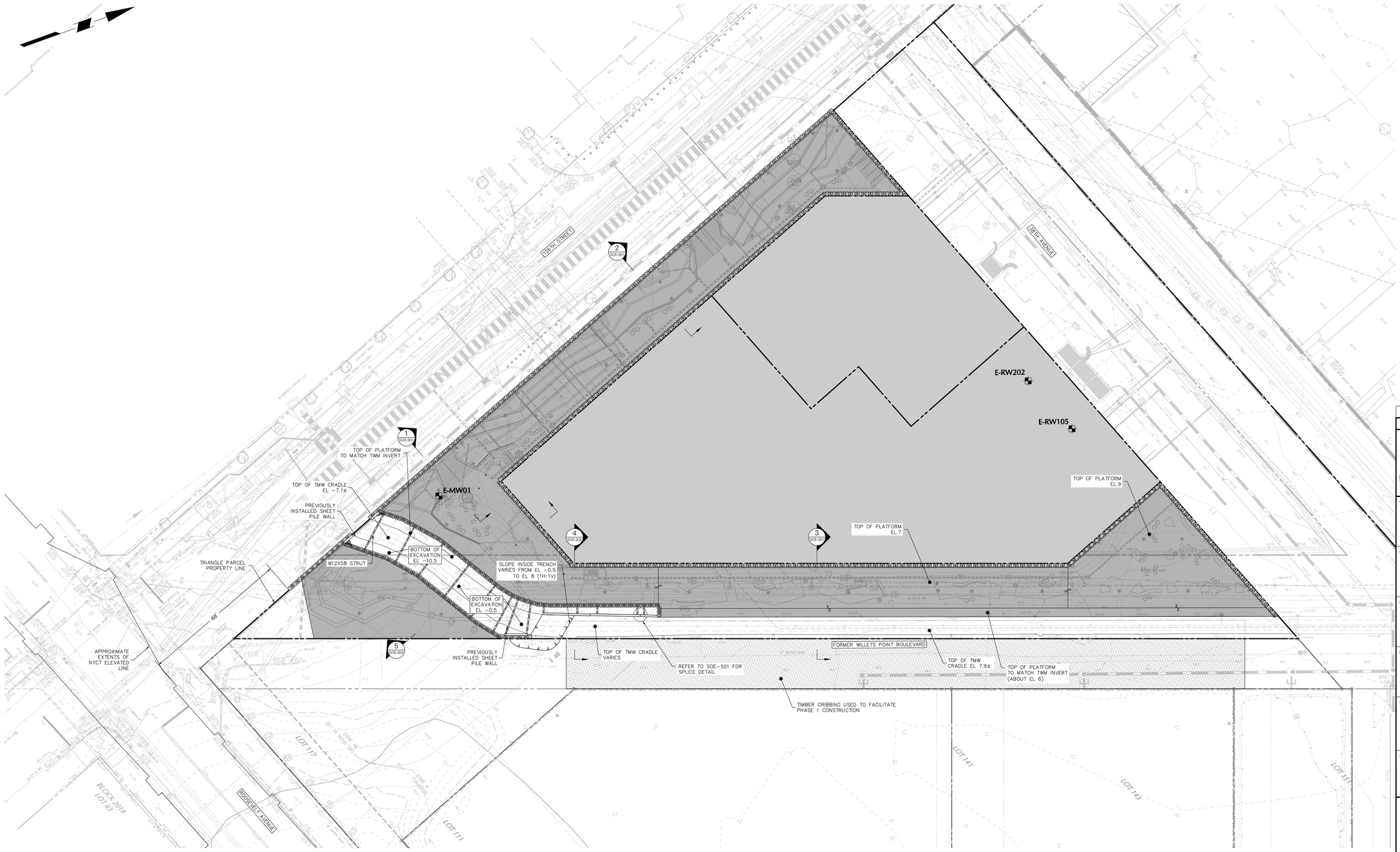
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Date	Description	No.
Revisions		

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Project
WILLETS POINT
PHASE 2 - TRIANGLE
PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
SUPPORT OF
EXCAVATION PLAN
PHASE C

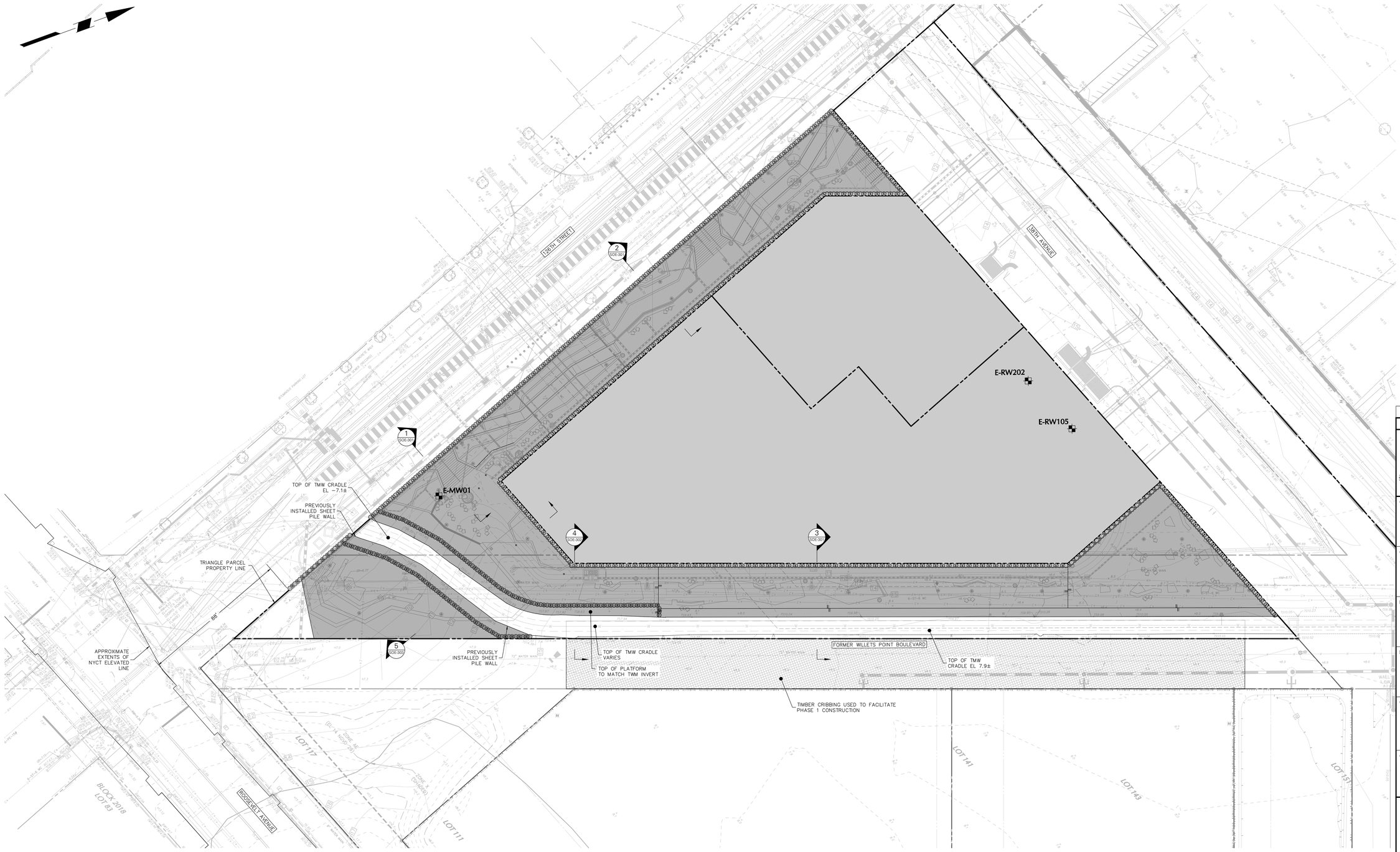
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Date	3/28/2025
Drawn By	EK
Checked By	VV

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Sheet 4 of 10

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Project No. 170197675



GENERAL NOTES:

1. BACKGROUND INFORMATION TAKEN FROM SURVEY TITLED "BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY" FOR WILLETS POINT DEVELOPMENT, PERFORMED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C., LAST UPDATED JULY 28, 2024.
2. PROPOSED GRADING TAKEN FROM DRAWING NUMBER "L-200" TITLED "GROUND FLOOR GRADING PLAN" BY MPFP PLLC, DATED FEBRUARY 1, 2024.
3. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) WHICH IS 1.625 FEET BELOW THE QUEENS TOPOGRAPHICAL BUREAU DATUM (QBD) AND 1.1 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK, NJ AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY (NGVD29).
4. EXISTING MONITORING WELLS TO BE PROTECTED AND SURVEYED (SECTION 33 24 13 – WELL PROTECTION, REPLACEMENT, AND ABANDONMENT).
5. ANY PROPOSED PILES WITHIN 15 FEET (EDGE-TO-EDGE) OF EXISTING DEP SEWERS OR WATER MAINS SHOULD BE INSTALLED BY DRILLING ONLY. NO HAMMERING OF PILES IS PERMITTED WITHIN 15-FT (EDGE-TO-EDGE) OF EXISTING DEP UTILITIES.

LEGEND:

- LIMIT OF DISTURBANCE
- LIMIT OF PARCEL DEVELOPMENTS
- APPROXIMATE ALIGNMENT OF 72-IN WATER MAIN
- E-XW## EXISTING MONITORING WELL TO BE PROTECTED AND SURVEYED

20 0 5 10 20
SCALE IN FEET

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Project
WILLETS POINT
PHASE 2 - TRIANGLE
PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
SUPPORT OF
EXCAVATION PLAN
PHASE D

Project No. 170197675	SOE-104.00
Date 3/28/2025	
Drawn By EK	
Checked By VV	Sheet 5 of 10

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GENERAL NOTES:

1. BACKGROUND INFORMATION TAKEN FROM SURVEY TITLED "BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY" FOR WILLETS POINT DEVELOPMENT, PERFORMED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C., LAST UPDATED JULY 28, 2024.
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LEGEND:

- LIMIT OF DISTURBANCE
- LIMIT OF PARCEL DEVELOPMENTS
- APPROXIMATE ALIGNMENT OF 72–IN WATER MAIN
- E-XW## EXISTING MONITORING WELL TO BE PROTECTED AND SURVEYED

DEP MONITORING NOTES:

1. REAL TIME VIBRATION MONITORING IS ALWAYS REQUIRED WITHIN 100 FEET OF DEP'S SEWER/WATER MAINS DURING PILE INSTALLATION. THE VIBRATION LIMIT SHALL NOT EXCEED WHAT IS SPECIFIED IN DEP'S WER AND WATER MAIN SPECIFICATIONS (SECTION 76.31(B)). BE ADVISED VIBRATIONS FROM CONSTURCTION ACTIVITIES SHALL NOT EXCEED THE FOLLOWING MAXIMUM LIMITS:
   1.1. 0.3–INCHES PER SECOND (IPS) WHEN FREQUENCIES ARE LESS THAN OR EQUAL TO 20–HERTZ (HZ).
   1.2. 0.5–IPS WHEN FREQUENCIES ARE GREATER THAN 20–HZ.

TABLE 1 – MONITORING THRESHOLDS

PROPERTIES	INSTRUMENTS		ACTION THRESHOLD	LIMIT THRESHOLD
SOE	OPTICAL MONITORING	INSTALL MONITORING POINTS ON TOP OF SOIL MIX BEAMS AT MAXIMUM 25 FEET O.C. AND MONITOR TWICE PER WEEK DURING CONSTRUCTION	1/2 INCH	1 INCH

20 0 5 10 20
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Project
WILLETS POINT PHASE 2 - TRIANGLE PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
SUPPORT OF EXCAVATION MONITORING PLAN

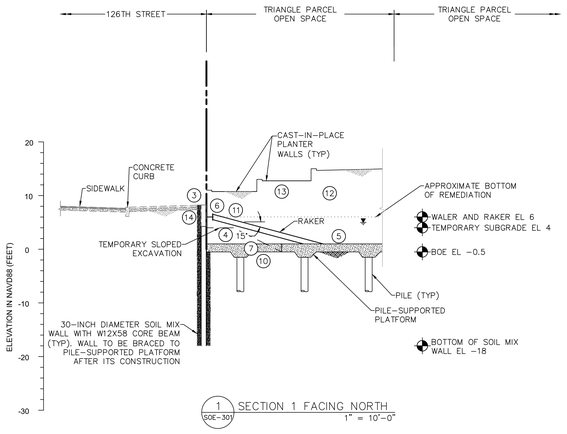
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Checked By	VV

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Project No. 170197675



1 SOE-301 SECTION 1 FACING NORTH
1" = 10'-0"

SECTION 1 SEQUENCING NOTES FOR PHASE A:

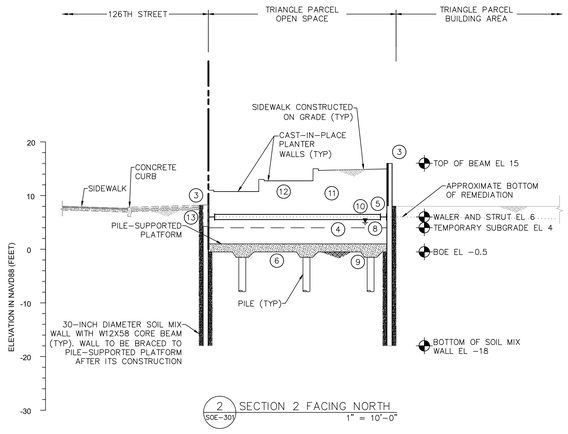
1. INSTALL MONITORING POINTS BEFORE MOBILIZING TO THE SITE.
2. PERFORM TEST PITS TO LOCATE THE EDGE OF PHASE 1 PILE-SUPPORTED PLATFORM AND INSTALLED SHEETING.
3. INSTALL SOIL MIX WALL ALONG SIDEWALK FROM GRADE IN ACCORDANCE WITH NOTES ON SOE-001. EXTEND THE CORE BEAMS OF SOIL MIX WALL TO GRADE SHOWN.
4. EXCAVATE TEMPORARY BERM AS SHOWN TO BOTTOM OF EXCAVATION.
5. CONSTRUCT PILE-SUPPORTED PLATFORM PER DESIGN DRAWINGS. CONTRACTOR MUST REFER TO STRUCTURAL DRAWINGS FOR LOCATION, DIMENSIONS, AND STEEL REINFORCEMENT OF ALL STRUCTURAL MEMBERS.
6. INSTALL WALERS AND RAKERS.
7. REMOVE TEMPORARY BERM AND EXCAVATE TO BOTTOM OF EXCAVATION.
8. BOTTOM OF EXCAVATION CAN VARY BY A FEW INCHES TO ACCOUNT FOR FIELD CONDITIONS OR WORK OF OTHER TRADES AND CONSTRUCTION TOLERANCES.
9. DEWATER AS NECESSARY TO MAINTAIN A DRY BOTTOM OF EXCAVATION.

SECTION 1 SEQUENCING NOTES FOR PHASE B:

10. CONSTRUCT REMAINING PILE-SUPPORTED PLATFORM PER DESIGN DRAWINGS. CONTRACTOR MUST REFER TO STRUCTURAL DRAWINGS FOR LOCATION, DIMENSIONS, AND STEEL REINFORCEMENT OF ALL STRUCTURAL MEMBERS.
11. REMOVE WALERS AND RAKERS.

SECTION 1 SEQUENCING NOTES FOR PHASE C:

12. INSTALL UTILITIES PER CIVIL DRAWINGS AND BACKFILL OVER THE PILE-SUPPORTED PLATFORM.
13. CONSTRUCT LANDSCAPE WALLS PER ARCHITECTURAL DRAWINGS AND BACKFILL UP TO FINAL GRADE. SEE GRADING PLAN FOR FINAL GRADE.
14. CUT DOWN CORE BEAMS 4 FEET BELOW SIDEWALK GRADE.



2 SOE-301 SECTION 2 FACING NORTH
1" = 10'-0"

SECTION 2 SEQUENCING NOTES FOR PHASE A:

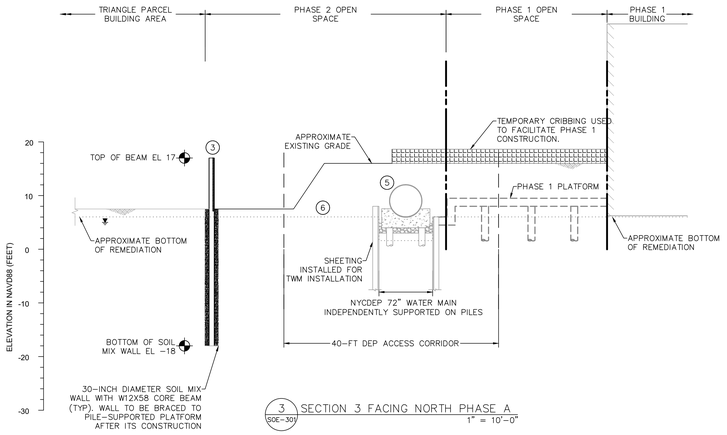
1. INSTALL MONITORING POINTS BEFORE MOBILIZING TO THE SITE.
2. PERFORM TEST PITS TO LOCATE THE EDGE OF PHASE 1 PILE-SUPPORTED PLATFORM AND INSTALLED SHEETING.
3. INSTALL SOIL MIX WALL ALONG FUTURE BUILDING LINE AND ALONG SIDEWALK FROM GRADE IN ACCORDANCE WITH NOTES ON SOE-001. EXTEND THE CORE BEAMS OF SOIL MIX WALL TO GRADE SHOWN.
4. EXCAVATE TO TEMPORARY SUBGRADE.
5. INSTALL WALERS AND STRUTS.
6. EXCAVATE TO BOTTOM OF EXCAVATION.
7. BOTTOM OF EXCAVATION CAN VARY BY A FEW INCHES TO ACCOUNT FOR FIELD CONDITIONS OR WORK OF OTHER TRADES AND CONSTRUCTION TOLERANCES.
8. DEWATER AS NECESSARY TO MAINTAIN A DRY BOTTOM OF EXCAVATION.
9. CONSTRUCT PILE-SUPPORTED PLATFORM PER DESIGN DRAWINGS. CONTRACTOR MUST REFER TO STRUCTURAL DRAWINGS FOR LOCATION, DIMENSIONS, AND STEEL REINFORCEMENT OF ALL STRUCTURAL MEMBERS.

SECTION 2 SEQUENCING NOTES FOR PHASE B:

10. REMOVE WALERS AND STRUTS.

SECTION 2 SEQUENCING NOTES FOR PHASE C:

11. INSTALL UTILITIES PER CIVIL DRAWINGS AND BACKFILL OVER THE PILE-SUPPORTED PLATFORM.
12. CONSTRUCT LANDSCAPE WALLS PER ARCHITECTURAL DRAWINGS AND BACKFILL UP TO FINAL GRADE. INSTALL LAGGING AS BACKFILLING PROGRESSES. SEE GRADING PLAN FOR FINAL GRADE.
13. CUT DOWN CORE BEAMS 4 FEET BELOW SIDEWALK GRADE.



3 SOE-301 SECTION 3 FACING NORTH PHASE A
1" = 10'-0"

SECTION 3 SEQUENCING NOTES FOR PHASE A:

1. INSTALL MONITORING POINTS BEFORE MOBILIZING TO THE SITE.
2. PERFORM TEST PITS TO LOCATE THE EDGE OF PHASE 1 PILE-SUPPORTED PLATFORM AND INSTALLED SHEETING.
3. INSTALL SOIL MIX WALL ALONG FUTURE BUILDING LINE FROM GRADE IN ACCORDANCE WITH NOTES ON SOE-001. EXTEND THE CORE BEAMS OF SOIL MIX WALL TO GRADE SHOWN.

SECTION 3 SEQUENCING NOTES FOR PHASE B:

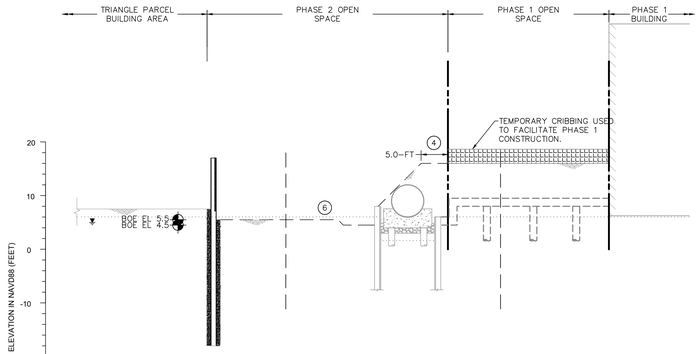
4. REMOVE TEMPORARY CRIBBING AS REQUIRED FOR PHASE 2 CONSTRUCTION.
5. SLOPE ABOVE TWM.
6. EXCAVATE TO BOTTOM OF EXCAVATION.
7. BOTTOM OF EXCAVATION CAN VARY BY A FEW INCHES TO ACCOUNT FOR FIELD CONDITIONS OR WORK OF OTHER TRADES AND CONSTRUCTION TOLERANCES.
8. DEWATER AS NECESSARY TO MAINTAIN A DRY BOTTOM OF EXCAVATION.

SECTION 3 SEQUENCING NOTES FOR PHASE C:

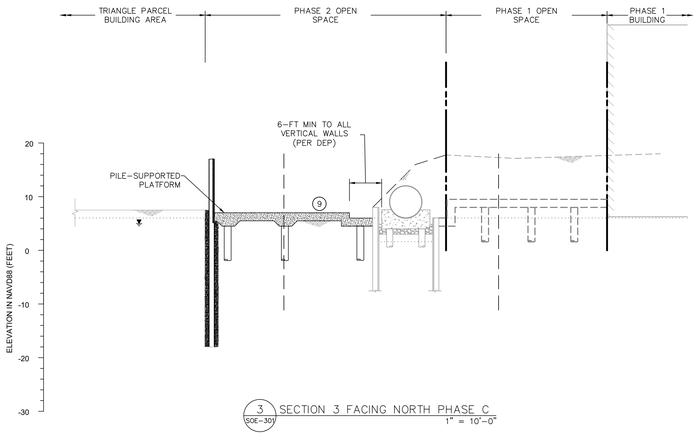
9. CONSTRUCT PILE-SUPPORTED PLATFORM PER DESIGN DRAWINGS. CONTRACTOR MUST REFER TO STRUCTURAL DRAWINGS FOR LOCATION, DIMENSIONS, AND STEEL REINFORCEMENT OF ALL STRUCTURAL MEMBERS.

SECTION 3 SEQUENCING NOTES FOR PHASE D:

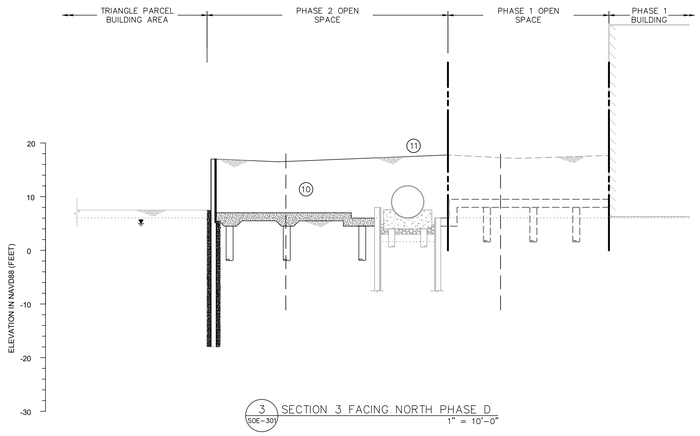
10. INSTALL UTILITIES PER CIVIL DRAWINGS AND BACKFILL OVER THE PILE-SUPPORTED PLATFORM.
11. CONSTRUCT LANDSCAPE WALLS PER ARCHITECTURAL DRAWINGS AND BACKFILL UP TO FINAL GRADE. INSTALL LAGGING AS BACKFILLING PROGRESSES. SEE GRADING PLAN FOR FINAL GRADE.



3 SOE-301 SECTION 3 FACING NORTH PHASE B
1" = 10'-0"



3 SOE-301 SECTION 3 FACING NORTH PHASE C
1" = 10'-0"



3 SOE-301 SECTION 3 FACING NORTH PHASE D
1" = 10'-0"

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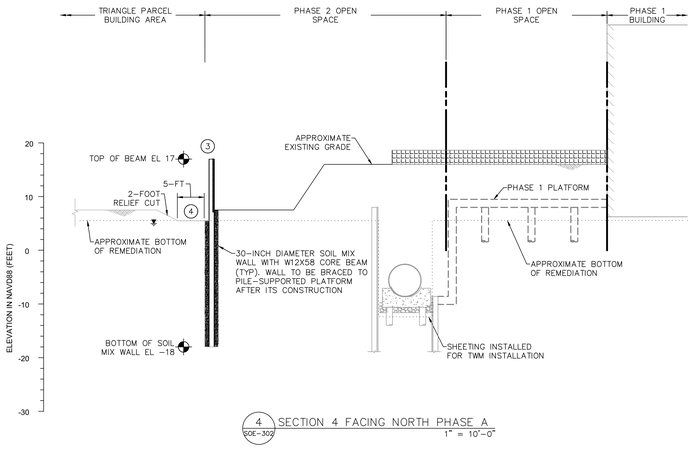
Drawing Title
SUPPORT OF EXCAVATION SECTIONS

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Drawn By	EK
Checked By	VV

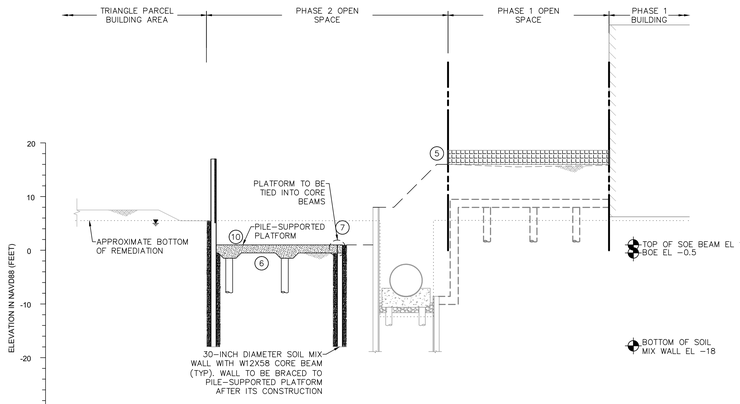
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Project No. 170197675



4 SOE-302 SECTION 4 FACING NORTH PHASE A
1" = 10'-0"



4 SOE-302 SECTION 4 FACING NORTH PHASE B
1" = 10'-0"

SECTION 4 SEQUENCING NOTES FOR PHASE A:

1. INSTALL MONITORING POINTS BEFORE MOBILIZING TO THE SITE.
2. PERFORM TEST PITS TO LOCATE THE EDGE OF PHASE 1 PILE-SUPPORTED PLATFORM AND INSTALLED SHEETING.
3. INSTALL SOIL MIX WALL ALONG FUTURE BUILDING LINE FROM GRADE IN ACCORDANCE WITH NOTES ON SOE-001. EXTEND THE CORE BEAMS OF SOIL MIX WALL TO GRADE SHOWN.
4. EXCAVATE RELIEF CUT WITHIN BUILDING FOOTPRINT.

SECTION 4 SEQUENCING NOTES FOR PHASE B:

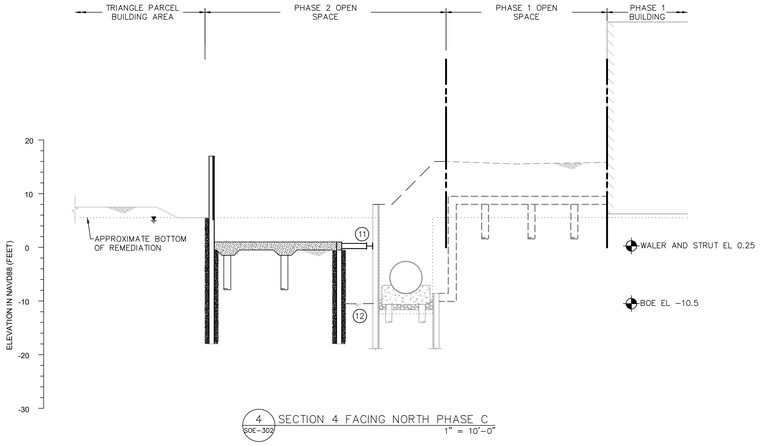
5. REMOVE TEMPORARY CRIBBING AS REQUIRED FOR PHASE 2 CONSTRUCTION.
6. EXCAVATE TO BOTTOM OF EXCAVATION OUTSIDE TRENCH.
7. INSTALL SOIL MIX WALL AT BOTTOM OF EXCAVATION GRADE ADJACENT TO TWM IN ACCORDANCE WITH NOTES ON SOE-001.
8. BOTTOM OF EXCAVATION CAN VARY BY A FEW INCHES TO ACCOUNT FOR FIELD CONDITIONS OR WORK OF OTHER TRADES AND CONSTRUCTION TOLERANCES.
9. DEWATER AS NECESSARY TO MAINTAIN A DRY BOTTOM OF EXCAVATION.
10. CONSTRUCT PILE-SUPPORTED PLATFORM OUTSIDE TRENCH PER DESIGN DRAWINGS. CONTRACTOR MUST REFER TO STRUCTURAL DRAWINGS FOR LOCATION, DIMENSIONS, AND STEEL REINFORCEMENT OF ALL STRUCTURAL MEMBERS.

SECTION 4 SEQUENCING NOTES FOR PHASE C:

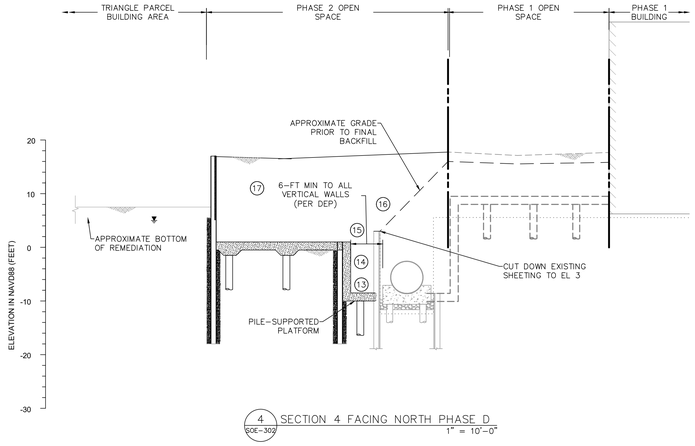
11. INSTALL WALER AND STRUTS.
12. EXCAVATE TO BOTTOM OF EXCAVATION.

SECTION 4 SEQUENCING NOTES FOR PHASE D:

13. CONSTRUCT PILE-SUPPORTED PLATFORM WITHIN TRENCH PER DESIGN DRAWINGS. CONTRACTOR MUST REFER TO STRUCTURAL DRAWINGS FOR LOCATION, DIMENSIONS, AND STEEL REINFORCEMENT OF ALL STRUCTURAL MEMBERS.
14. CONSTRUCT WALL WITHIN TRENCH.
15. REMOVE WALERS AND STRUTS.
16. BACKFILL WITHIN TRENCH AND CUT DOWN TOP OF SHEETING TO EL 3 WHILE MAINTAINING A 1V:1H SLOPE OVER THE TWM.
17. INSTALL UTILITIES PER CIVIL DRAWINGS AND BACKFILL OVER THE PILE-SUPPORTED PLATFORM. CONSTRUCT LANDSCAPE WALLS PER ARCHITECTURAL DRAWINGS AND BACKFILL UP TO FINAL GRADE. INSTALL LAGGING AS BACKFILLING PROGRESSES. SEE GRADING PLAN FOR FINAL GRADE.



4 SOE-302 SECTION 4 FACING NORTH PHASE C
1" = 10'-0"



4 SOE-302 SECTION 4 FACING NORTH PHASE D
1" = 10'-0"

10 0 2 4 10
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cci
CCI
215 WEST 40TH STREET, 10TH FLOOR
NEW YORK, NY 10018
P. 212-215-9096

COST ESTIMATOR:
DESIMONE
DESIMONE
140 BROADWAY, 25TH FLOOR
NEW YORK, NY 10005
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LANGAN
Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology, D.P.C.
360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com

Project
WILLETS POINT
PHASE 2 - TRIANGLE PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

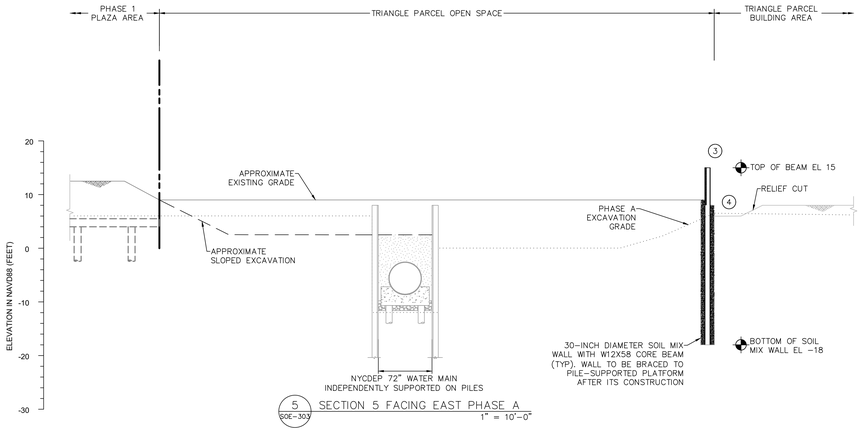
Drawing Title
SUPPORT OF EXCAVATION SECTIONS

Project No. 170197675	SOE-302.00
Date 3/28/2025	
Drawn By EK	
Checked By VV	Sheet 8 of 10

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Project No. 170197675



5 SOE-303 SECTION 5 FACING EAST PHASE A
1" = 10'-0"

SECTION 5 SEQUENCING NOTES FOR PHASE A:

1. INSTALL MONITORING POINTS BEFORE MOBILIZING TO THE SITE.
2. PERFORM TEST PITS TO LOCATE THE EDGE OF PHASE 1 PILE-SUPPORTED PLATFORM AND INSTALLED SHEETING.
3. INSTALL SOIL MIX WALL ALONG FUTURE BUILDING LINE FROM GRADE IN ACCORDANCE WITH NOTES ON SOE-001. EXTEND THE CORE BEAMS OF SOIL MIX WALL TO GRADE SHOWN.
4. EXCAVATE RELIEF CUT WITHIN BUILDING FOOTPRINT.

SECTION 5 SEQUENCING NOTES FOR PHASE B:

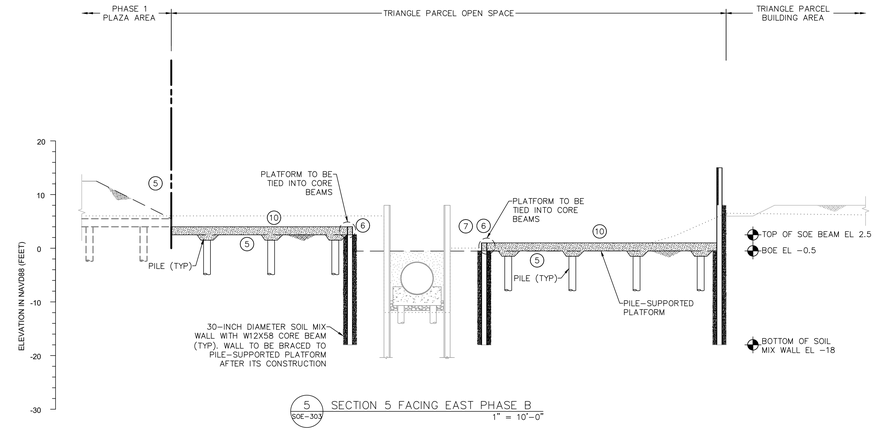
5. EXCAVATE TO BOTTOM OF EXCAVATION OUTSIDE TRENCH AND SLOPE CUT SOUTH OF THE TWM.
6. INSTALL SOIL MIX WALL AT BOTTOM OF EXCAVATION GRADE ADJACENT TO TWM IN ACCORDANCE WITH NOTES ON SOE-001.
7. EXCAVATE TO TEMPORARY GRADE WITHIN TRENCH AS SHOWN.
8. BOTTOM OF EXCAVATION CAN VARY BY A FEW INCHES TO ACCOUNT FOR FIELD CONDITIONS OR WORK OF OTHER TRADES AND CONSTRUCTION TOLERANCES.
9. DEWATER AS NECESSARY TO MAINTAIN A DRY BOTTOM OF EXCAVATION.
10. CONSTRUCT PILE-SUPPORTED PLATFORM OUTSIDE TRENCH PER DESIGN DRAWINGS. CONTRACTOR MUST REFER TO STRUCTURAL DRAWINGS FOR LOCATION, DIMENSIONS, AND STEEL REINFORCEMENT OF ALL STRUCTURAL MEMBERS.

SECTION 5 SEQUENCING NOTES FOR PHASE C:

11. CUT STEEL SHEETING ON EITHER SIDE OF TWM AS SHOWN AND INSTALL STRUTS.
12. INSTALL STRUTS.
13. EXCAVATE TO BOTTOM OF EXCAVATION.

SECTION 5 SEQUENCING NOTES FOR PHASE D:

14. CONSTRUCT PILE-SUPPORTED PLATFORM WITHIN TRENCH PER DESIGN DRAWINGS. CONTRACTOR MUST REFER TO STRUCTURAL DRAWINGS FOR LOCATION, DIMENSIONS, AND STEEL REINFORCEMENT OF ALL STRUCTURAL MEMBERS.
15. REMOVE WALERS AND STRUTS.
16. CONSTRUCT WALL WITHIN TRENCH. CUT DOWN SOE BEAM AS NEEDED TO CONNECT WALL TO PILE SUPPORTED PLATFORM OUTSIDE TRENCH.
17. INSTALL UTILITIES PER CIVIL DRAWINGS AND BACKFILL OVER THE PILE-SUPPORTED PLATFORM. CONSTRUCT LANDSCAPE WALLS PER ARCHITECTURAL DRAWINGS AND BACKFILL UP TO FINAL GRADE. INSTALL LAGGING AS BACKFILLING PROGRESSES. SEE GRADING PLAN FOR FINAL GRADE.



5 SOE-303 SECTION 5 FACING EAST PHASE B
1" = 10'-0"

5 SOE-303 SECTION 5 FACING EAST PHASE C
1" = 10'-0"

5 SOE-303 SECTION 5 FACING EAST PHASE D
1" = 10'-0"

10 0 2 4 10
SCALE IN FEET

Date	Description	No.
Revisions		

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.

SIGNATURE DATE SIGNED
MICHELE O'CONNOR
PROFESSIONAL ENGINEER NY Lic. No. 086302

CLIENT:
RELATED
RELATED COMPANIES
30 HUDSON YARDS
NEW YORK, NY 10001
P. 212-801-1000

CLIENT:
STERLING EQUITIES
STERLING EQUITIES
111 GREAT NECK ROAD
GREAT NECK, NY 11021
P. 516-773-3800

LANDSCAPE ARCHITECT:
MPFP
MPFP
120 BROADWAY, 20TH FLOOR
NEW YORK, NY 10271
P. 212-477-6366

MEP ENGINEER:
AKF
Member of WSP
AKF
200 LIBERTY STREET, SUITE 302
NEW YORK, NY 10281
P. 212-643-8806

CODE CONSULTANT:
cci
CCI
215 WEST 40TH STREET, 10TH FLOOR
NEW YORK, NY 10018
P. 212-216-9596

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DESIMONE
DESIMONE
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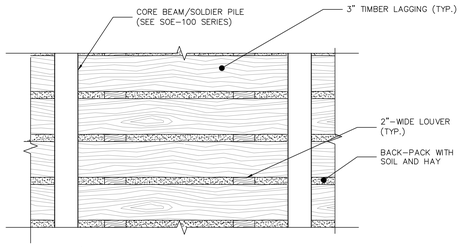
Project
WILLETS POINT PHASE 2 - TRIANGLE PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
SUPPORT OF EXCAVATION SECTIONS

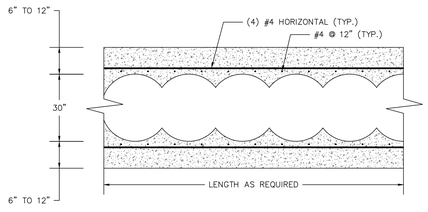
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Date 3/28/2025	
Drawn By EK	
Checked By VV	Sheet of 10

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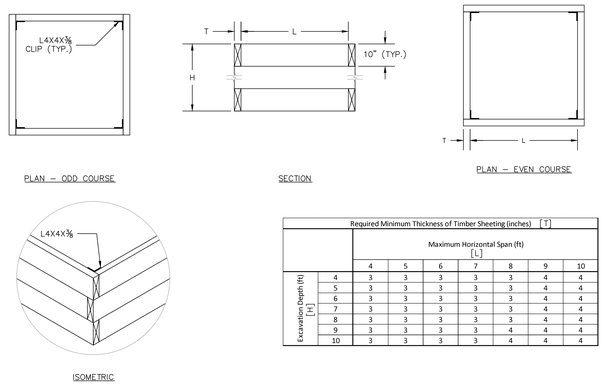
LANGAN
Project No. 170197675



1 SOE-501 CORE BEAM/SOLDIER PILE–TIMBER LAGGING DETAIL – ELEVATION
SCALE: N.T.S.

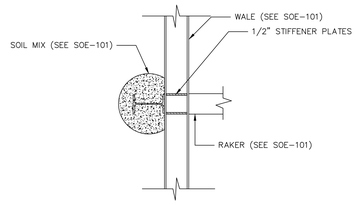


2 SOE-501 TYPICAL GUIDWALL PLAN FOR SOIL MIX WALL
SCALE: N.T.S.

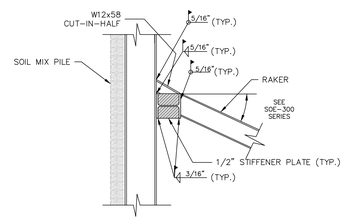


Required Minimum Thickness of Timber Sheeting (inches) [T]								
		Maximum Horizontal Span (ft) [L]						
		4	5	6	7	8	9	10
Excavation Depth (ft) [H]	4	3	3	3	3	3	4	4
	5	3	3	3	3	3	4	4
	6	3	3	3	3	3	4	4
	7	3	3	3	3	3	4	4
	8	3	3	3	3	3	4	4
	9	3	3	3	3	4	4	4
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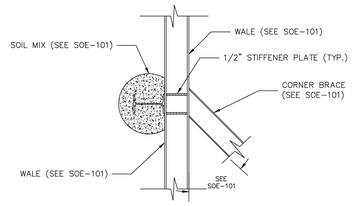
3 SOE-501 TIMBER SHORING
SCALE: N.T.S.



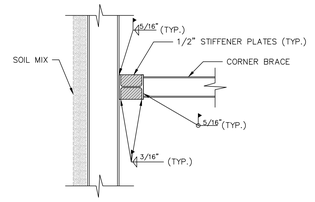
4A SOE-501 SOIL MIX/SOLDIER PILE–RAKER CONNECTION – PLAN
SCLAE: N.T.S.



4B SOE-501 SOIL MIX/SOLDIER PILE–RAKER CONNECTION – SECTION
SCLAE: N.T.S.

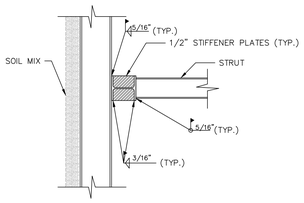


5A SOE-501 SOIL MIX/SOLDIER PILE–BRACE CONNECTION – PLAN
SCLAE: N.T.S.

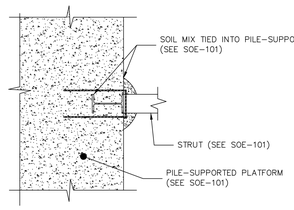


5B SOE-501 SOIL MIX/SOLDIER PILE–BRACE CONNECTION – SECTION
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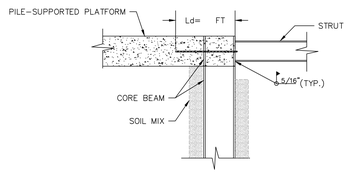
6A SOE-501 SOIL MIX/SOLDIER PILE–STRUT CONNECTION – PLAN
SCLAE: N.T.S.



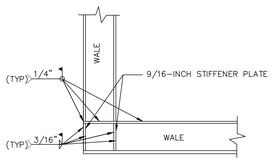
6B SOE-501 SOIL MIX/SOLDIER PILE–STRUT CONNECTION – SECTION
SCLAE: N.T.S.



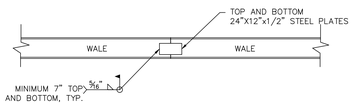
7A SOE-501 SOIL MIX/SOLDIER PILE–STRUT CONNECTION – PLAN
SCLAE: N.T.S.



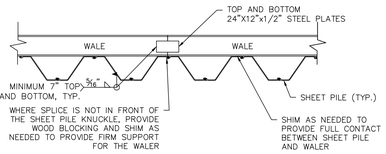
7B SOE-501 SOIL MIX/SOLDIER PILE–STRUT CONNECTION – SECTION
SCLAE: N.T.S.



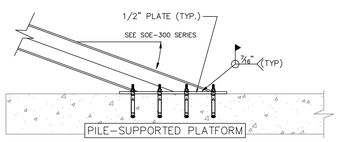
8A SOE-501 WALE–WALE CORNER CONNECTION
SCALE: N.T.S.



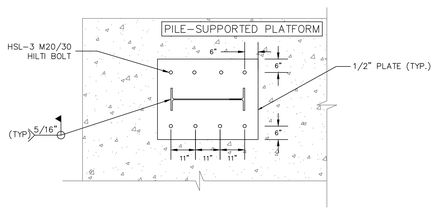
8B SOE-501 WALE–WALE CONNECTION
SCALE: N.T.S.



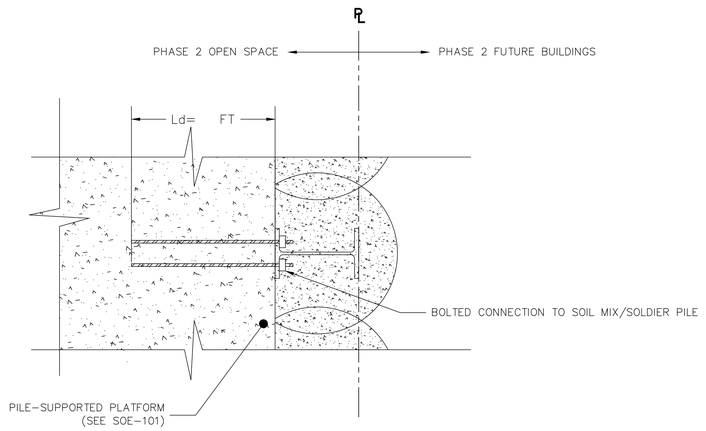
8C SOE-501 WALE–WALE CONNECTION–ALTERNATE
SCALE: N.T.S.



9A SOE-501 RAKER–MAT/SLAB/CAP CONNECTION
SCALE: N.T.S.



9B SOE-501 RAKER–MAT/SLAB/CAP CONNECTION
SCALE: N.T.S.



10 SOE-501 SOIL MIX/SOLDIER PILE TO PILE SUPPORTED PLATFORM
SCLAE: N.T.S.

LANGAN

Project No. 170197675

Date	Description	No.
Revisions		

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.

SIGNATURE DATE SIGNED
MICHELE O'CONNOR
PROFESSIONAL ENGINEER NY Lic. No. 086302

CLIENT:
RELATED
RELATED COMPANIES
30 HUDSON YARDS
NEW YORK, NY 10001
P: 212-801-1000

CLIENT:
STERLING EQUITIES
STERLING EQUITIES
111 GREAT NECK ROAD
GREAT NECK, NY 11021
P: 516-773-3800

LANDSCAPE ARCHITECT:
MPFP
MPFP
120 BROADWAY, 20TH FLOOR
NEW YORK, NY 10271
P: 212-477-6366

MEP ENGINEER:
AKF
Member of WSP
AKF
200 LIBERTY STREET, SUITE 302
NEW YORK, NY 10281
P: 212-643-8806

CODE CONSULTANT:
cci
CCI
215 WEST 40TH STREET, 10TH FLOOR
NEW YORK, NY 10018
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140 BROADWAY, 25TH FLOOR
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360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com

Project
WILLETS POINT
PHASE 2 - TRIANGLE
PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
SUPPORT OF EXCAVATION DETAILS

Project No.	170197675
Date	3/28/2025
Drawn By	EK
Checked By	VV

SOE-501.00

Sheet 10 of 10

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APPENDIX C

PERMITS

NYC Environmental Protection

PERMIT

Permit Type:	DEWATERING PERMIT	**Permit No:**	C004141660
Customer's Name:	SUBSURFACE CONSULTING	**Phone Number:**	973-418-2817
Customer's Service Address:		**Account Number:**	9001058481001
Customer's Mailing Address:	PO Box 196 Armonk, NY 10504-0196		
Issued By:	ID	**Issue Date:**	07/18/2025
Permitted Activity:	2,160,000 gallons of discharge (05/08/2025 thru 05/08/2026) @ $2.94 per hundred cubic feet - $8,489.83 Permit Fee, use credit of $412.70 on case C004142063, amount to be paid $8,077.13	**Expiration Date:** **Fee:**	05/08/2026 $8,489.83

Permittee: SUBSURFACE CONSULTING

Dewatering Location: NYSDEC Permit# 2-6302-00981/00001, 126-20 Willets Point Blvd, Queens, NY 11368

BBL:

Additional Requirements:

1. If the approval is revoked, the permit is no longer valid.

DEP BCS MANHATTAN OFFICE
2025 JUL 18 A 10:47

NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Acting Commissioner

March 24, 2025

Frank Monterisi
c/o The Related Companies, L.P.
30 Hudson Yards, 72nd Fl
New York, NY 10001

Re: NYSDEC Permit No. 2-6302-00981/00002
Facility: 126-20 Willets Point Blvd Redevelopment
Queens, NY 11368
Temporary Construction Dewatering
ECL Article 15, Title 15 - Long Island Well
NOTICE OF PERMIT MODIFICATION
Modification 1: Dewater additional area Block 1833, Lots 117, 118, 119. Add sumps.

Dear Frank Monterisi:

Enclosed is your modified Long Island Well permit for the above referenced project. It is effective beginning March 24, 2025, and expires on July 8, 2026.

Please read all permit conditions carefully. Note that aside from the modifications permitted herein, all other conditions of NYSDEC Permit #2-6302-00981/00002 remain in effect. All permit documents must be available at the site upon request by Department staff and must be distributed to and understood by personnel responsible for the proper operation of the facility and compliance with the permit requirements. Any violation of these permit conditions constitutes a violation of the Environmental Conservation Law.

Please note that the maximum withdrawal rate authorized by this permit is 288,000 gallons per day.

If you have any administrative questions regarding this permit, please contact me via email (jeanette.rodriguez@dec.ny.gov). Technical questions should be directed to Atiqur Rahman in the Division of Water (atiqur.rahman@dec.ny.gov). Please refer to the above referenced number when you are corresponding with this office or when you are applying to renew or modify this permit.

Sincerely,

Jeanette Rodriguez

Jeanette Rodriguez
Environmental Analyst II

ecc: NYSDEC DOW & DER
Subsurface Consulting Services, LLC
File/RPA

PERMIT
Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:
QUEENS DEVELOPMENT GROUP, LLC

30 HUDSON YARDS FL 72
NEW YORK, NY 10001
(646) 582-2208

Facility:
126-20 WILLETS POINT BLVD
REDEVELOPMENT
126-20 WILLETS POINT BLVD
QUEENS, NY 11368

Facility Location: in QUEENS COUNTY **Village:** Queens
Facility Principal Reference Point: NYTM-E: 597.672764558917 NYTM-N: 4512.319138773831
Latitude: 40°45'21.7" Longitude: 73°50'34.4"
Project Location: 126-20 Willets Point Blvd
Authorized Activity: Install and operate a temporary construction dewatering and groundwater treatment system for the withdrawal and discharge of up to 288,000 gallons per day of treated groundwater into Flushing Bay (Class I) from a treatment system consisting of sedimentation, filtration and carbon to facilitate remediation and development activities, including construction of utilities, foundation work and construction of a water main and new sanitary and storm sewers. Pumped and treated groundwater is to be directed to an existing NYCDEP sewer that discharges to Flushing Bay via NYCDEP Outfall ID BB-601.

The discharge is regulated by the conditions and flow limits in SPDES permit NY0277118.

Modification 1: Expand temporary construction dewatering to Block 1833, Lots 117, 118, 119 to facilitate construction of site infrastructure and a new multi-story building. Add use of sumps to dewatering method.

Permit Authorizations

Long Island Well Temporary Dewatering - Under Article 15, Title 15
Permit ID 2-6302-00981/00002

New Permit	Effective Date: 7/9/2021	Expiration Date: 7/8/2026
Modification # 1	Effective Date: 3/24/2025	Expiration Date: 7/8/2026

NYSDEC Approval

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, and all conditions included as part of this permit.

Permit Administrator: STEPHEN A WATTS, Regional Permit Administrator
Address: NYSDEC Region 2 Headquarters
47-40 21st St
Long Island City, NY 11101 -5401

Stephen A Watts III
Digitally signed by Stephen A Watts III
Date: 2025.03.25 12:41:12 -04'00'

Authorized Signature: _____ Date _03_/_24_/_2025_

Permit Components

LONG ISLAND WELL TEMPORARY DEWATERING PERMIT CONDITIONS

GENERAL CONDITIONS, APPLY TO ALL AUTHORIZED PERMITS

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

LONG ISLAND WELL TEMPORARY DEWATERING PERMIT CONDITIONS

1. **Conformance With Plans** All activities authorized by this permit must be in strict conformance with the approved plans submitted by the applicant or applicant's agent as part of the permit application. Such approved plans were prepared by Subsurface Consulting Surfaces and Keller for Queens Development Group LLC.

2. **Conformance with Plans - Addenda** In addition to any plans referenced in the Condition titled "Conformance with Plans," the activities authorized by this permit must be in strict conformance with the following approved plans and/or submissions made as part of the permit application:

A. Drawings titled, “Willets Point Dewatering Plan,” and “Willets Point: Wellpoint Layout Example,” undated, received by NYSDEC on May 20, 2021; and additional drawings titled, "Willets Point : Triangle Parcel," two sheets, dated September 12, 2024, signed and stamped by Leonard R. Guglielmo, P.E., and received by NYSDEC on January 27, 2025.

B. Region 2 Long Island Well Dewatering System Detail Sheet, signed by Joseph Mahon, dated May 10, 2021, received by NYSDEC on May 20, 2021; and additional Region 2 Long Island Well Dewatering System Detail Sheets, pages titled "Wellpoint System," and "Sump Well System," all signed by Joseph Mahon, dated September 15, 2024, and received by NYSDEC on January 27, 2025.

C. Application package dated December 3, 2020, received by NYSDEC on December 17, 2020.

D. Application addenda, received by NYSDEC on April 29, 2021 and May 20, 2021.

E. Modification application package dated January 15, 2025 and received by NYSDEC on January 27, 2025 and addendum received by the NYSDEC on March 19, 2025.

3. **Dewatering Wells, Pumps, Pump Capacities and Maximum Withdrawal** This permit authorizes the following:

- **Dewatering Wellpoints** – 150
- **Installed Pumps –** 1
- **Pump Capacity** – 400 gallons per minute (GPM) (Throttled down to 200 GPM)
- **Maximum Withdrawal for Project** – 288,000 gallons per day (GPD)

Triangle Parcel (Block 1833, Lots 117, 118, 119)

- **Method of Dewatering** – Combination of Wellpoint and Sump System
- **Dewatering Wellpoints** – 150 (2.5" diameter, 20' deep)
- **Installed Pumps –** 1
- **Pump Capacity** – 30 HP

- **Sump wells** – 30 (18"diameter, 12' deep)
- **Installed Pumps** – 30
- **Pump Capacity** – 1 HP
- **Maximum Withdrawal for Project** – 288,000 gallons per day (GPD)

Any increase in the number of wells/wellpoints, sumps, pumps and/or pump capacity must be authorized, in writing, by the Division of Water. Depending on site conditions, a reduction in the number of wells or pumps does not require authorization. An increase to the maximum withdrawal rate authorized requires a permit modification.

4. **Notice of Intent to Commence Work** At least five (5) days prior to commencement of the permitted activity, Permittee must complete and submit the attached "Notice oflntent to Commence Work" to NYSDEC Region 2 Division of Water (Attention: Atiq Rahman) via email to Atiqur.Rahman@dec.ny.gov.

5. **Notice of Completion of Work** Within ten (10) days of the completion of work, Permittee must complete and submit the attached "Notice of Completion of Work" form to NYSDEC Region 2 Division of Water (Attention: Atiq Rahman) via email to Atiqur.Rahman@dec.ny.gov.

6. **Posting of NYSDEC Permit Sign** The attached NYSDEC permit sign shall be posted, protected from the weather, in a conspicuous outdoor location at the project site. This sign is to be posted for the duration of work authorized by this permit.

7. **Daily Pump Log** A daily pump log must be kept at the project site at all times. The pump log must be made available to authorized representatives of the Department during pumping operations.

8. **Decommissioning of Groundwater Wells** The Permittee must properly cap, seal and disconnect from the system any water wells that are not approved for use by the Department. Wells that are to be abandoned must be decommissioned in a manner consistent with the Department's Water Well Decommissioning Recommendations: https://www.dec.ny.gov/lands/86955.html

9. **Handling of Contaminated Groundwater** The permittee is fully responsible for proper handling and all costs associated with the proper sampling, treatment and disposal of any contaminated groundwater.

10. **Well Driller Registration** The dewatering operation shall be performed by Well Drillers duly registered in accordance with Section 15-1525 of the Environmental Conservation Law of the State of New York.

GENERAL CONDITIONS - Apply to ALL Authorized Permits:

1. **Facility Inspection by The Department** The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71- 0301 and SAPA 401(3).

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

2. **Relationship of this Permit to Other Department Orders and Determinations** Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

3. **Applications For Permit Renewals, Modifications or Transfers** The permittee must submit a separate written application to the Department for permit renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing. Submission of applications for permit renewal, modification or transfer are to be submitted to:

Regional Permit Administrator
NYSDEC Region 2 Headquarters
47-40 21st St
Long Island City, NY11101 -5401

4. **Submission of Renewal Application** The permittee must submit a renewal application at least 180 days before permit expiration for the following permit authorizations: Long Island Well Temporary Dewatering.

5. Permit Modifications, Suspensions and Revocations by the Department The Department reserves the right to exercise all available authority to modify, suspend or revoke this permit. The grounds for modification, suspension or revocation include:

a. materially false or inaccurate statements in the permit application or supporting papers;

b. failure by the permittee to comply with any terms or conditions of the permit;

c. exceeding the scope of the project as described in the permit application;

d. newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;

e. noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

6. Permit Transfer Permits are transferrable unless specifically prohibited by statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification
The permittee, excepting state or federal agencies, expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under Article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit
The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits
The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

NOTICE OF INTENT TO COMMENCE WORK

Date: _____

Division of Water
Attn. Atiq Rahman
NYSDEC Region 2 Office
47-40 21st Street
Long Island City, N.Y. 11101

Re: NYSDEC Permit No. 2-6302-00981/00002
TEMPORARY CONSTRUCTION DEWATERING
Facility: 126-20 Willets Point Blvd Redevelopment
Queens, NY 11368

Dear Mr. Rahman:

In accordance with Long Island Well Condition 4 of the referenced permit, I hereby serve notice to commence work on _____, 20____.

This is also to certify that, having read this entire permit, I am fully aware of and understand the general and Long Island Well conditions therein, and agree to comply with all such conditions. Further, I understand that prior to undertaking any modification to the permitted work, I must seek and receive written approval of the NYSDEC Regional Permit Administrator.

_____
Signature of Permittee

_____
Name of Permittee (please print)

_____
Signature of Contractor

_____
Name of Contractor (please print)

_____
Street Address of Contractor

_____
City, State, & Zip Code of Contractor

_____
Telephone Number of Contractor

WARNING

The permittee and their contractor (if any) are required to follow all permit conditions. Violations of the permit may lead to legal action, including the imposition of substantial monetary fines and corrective work.

cc: Environmental Permits

NOTICE OF COMPLETION OF WORK

Date: _____

Division of Water
Attn. Atiq Rahman
NYSDEC Region 2 Office
47-40 21st Street
Long Island City, N.Y. 11101

Re: NYSDEC Permit No. 2-6302-00981/00002
TEMPORARY CONSTRUCTION DEWATERING
Facility: 126-20 Willets Point Blvd Redevelopment
Queens, NY 11368

Dear Mr. Rahman:

In accordance with Long Island Well Condition 5 of the referenced permit, I hereby serve notice that the work allowed by the above referenced permit has been completed as of _____, 20____, consistent with the requirements of the above referenced permit.

_____
Signature of Permittee

_____
Name of Permittee (please print)

_____
Signature of Contractor

_____
Name of Contractor (please print)

_____
Street Address of Contractor

_____
City, State, & Zip Code of Contractor

_____
Telephone Number of Contractor

cc: Environmental Permits

95-20-1 (8/87)—9d

New York State
Department of Environmental Conservation

NOTICE

The Department of Environmental Conservation (DEC) has issued permit(s) pursuant to the Environmental Conservation Law for work being conducted at this site. For further information regarding the nature and extent of work approved and any Departmental conditions on it, contact the Regional Permit Administrator listed below. Please refer to the permit number shown when contacting the DEC.

Regional Permit Administrator

Permit Number 2-6302-00981/00002

Expiration Date 07/08/2026

NOTE: This notice is **NOT** a permit

Stephen A Watts III
47-40 21st Street
LIC, NY 11101
(718) 482-4997

NYC Buildings

Work Permit Department Of Buildings

Permit Number: **Q01186999-I1-GC**

Permit Classification: **ALTERATION**

Address: **QUEENS 38-27 126 STREET**

Work on Floor(s): **OPEN SPACE**

Total number of dwelling units at location: **0**

Number of dwelling units occupied during construction: **0**

Issued: **06/16/2025**

Expires: **12/17/2025**

Issued To: **GEORGE MATTHEWS**

Business: **TRIUMPH CONSTRUCTION CORP**

License No: **GC-026164**

Description: **CONSTRUCTION OF UTILITIES, ROADWAY, SIDEWALK, AND LANDSCAPING AS PER PLANS FILED HEREWITH.**

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings: James S. Oddo

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: **Q01186999-S1-PL**

Permit Classification: **PLUMBING**

Address: **QUEENS 38-27 126 STREET**

Work on Floor(s): **OPEN SPACE**

Total number of dwelling units at location: **0**

Number of dwelling units occupied during construction: **0**

Issued: **06/24/2025**

Expires: **01/01/2026**

Issued To: **LAWRENCE GROSSMAN**

Business: **LLG P, H, TRIUMPH CONST**

License No: **P-001689**

Description: **PLUMBING WORK RELATED TO GENERAL CONSTRUCTION ON THE SITE AS PER PLANS FILED HEREWITH.**

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings: James S. Oddo

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: **Q01187047-I1-FO**

Permit Classification: **FOUNDATION**

Address: **QUEENS 38-27 126 STREET**

Work on Floor(s): **OPEN SPACE**

Total number of dwelling units at location: **0**

Number of dwelling units occupied during construction: **0**

Issued: **07/29/2025**

Expires: **12/17/2025**

Issued To: **GEORGE MATTHEWS**

Business: **TRIUMPH CONSTRUCTION CORP**

License No: **GC-026164**

Description: **CONSTRUCTION OF A PILE-SUPPORTED PLATFORM TO SUPPORT BACKFILL, UTILITIES AND LANDSCAPING FEATURES AS PER PLANS FILED HEREWITH.**

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings: James S. Oddo

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: **Q01187066-I1-SE**

Permit Classification: **TEMPORARY CONSTRUCTION EQUIPMENT**

Address: **QUEENS 38-27 126 STREET**

Work on Floor(s): **OPEN SPACE**

Total number of dwelling units at location: **0**

Number of dwelling units occupied during construction: **0**

Issued: **06/10/2025**

Expires: **12/17/2025**

Issued To: **GEORGE MATTHEWS**

Business: **TRIUMPH CONSTRUCTION CORP**

License No: **GC-026164**

CS: **CARMINE FERRARO**

Description: **INSTALLATION OF A PERIMETER SOIL-MIX WALL, BRACED BY RAKERS, STRUTS AND CORNER-BRACES TO FACILITATATE EXCAVATION FOR THE PILE-SUPPORTED PLATFORM AS PER PLANS FILED HEREWITH.**

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings: James S. Oddo

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: **Q01195384-I1-FN**

Permit Classification: **TEMPORARY CONSTRUCTION EQUIPMENT**

Address: **QUEENS 38-27 126 STREET**

Work on Floor(s): **OPEN SPACE**

Total number of dwelling units at location: **0**

Number of dwelling units occupied during construction:

Issued: **06/09/2025**

Expires: **12/17/2025**

Issued To: **GEORGE MATTHEWS**

Business: **TRIUMPH CONSTRUCTION CORP**

License No: **GC-026164**

Description: **INSTALLATION OF CONSTRUCTION FENCE AS PER PLANS. NO CHANGE IN USE OCCUPANCY OR EGRESS UNDER THIS APPLICATION. CONSTRUCTION FENCE SHALL COMPLY WITH CHAPTER 33 OF THE 2022 NYC BUILDING CODE.**

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings: James S. Oddo

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

APPENDIX D

IC/EC CERTIFICATION FORM

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. C241146E

Site Name Willets Point Development Triangle Parcel

Site Address: 38-27 126th Street (a/k/a N/A Roosevelt Avenue) Zip Code: 11368
City/Town: Queens
County: Queens
Site Acreage: 2.311

Reporting Period: September 04, 2024 to January 10, 2026

	YES	NO
1. Is the information above correct?	■	□
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	■	□
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	■	□
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	■	□
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	■	□

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	■	□
7. Are all ICs in place and functioning as designed?	■	□

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	■

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	■	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C241146E **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
1833-117	City of New York c/o NYC Econ. Dev. Corp	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Imposition of an institutional control in the form of environmental easement for the controlled property which will:
-require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allow the use and development of the controlled property for restricted-residential use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH; and
- monitoring to assess the performance and effectiveness of the remedy in compliance with the Department approved Site Management Plan.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
1833-117	Vapor Mitigation Cover System Monitoring Wells

A site cover will be required to allow for restricted-residential use of the site in areas where the upper two feet of exposed surface soil will exceed the restricted-residential soil cleanup objectives (SCOs). Where a soil cover is to be used it will be a minimum of two feet of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer. Soil cover material, including any fill material brought to the site, will meet the SCOs for cover material for the use of the site as set forth in 6 NYCRR Part 375-6.7(d). Substitution of other materials and components may be allowed where such components already exist or are a component of the tangible property to be placed as part of site redevelopment. Such components may include, but are not necessarily limited to: pavement, concrete, paved surface parking areas, sidewalks, building foundations and building slabs.

Any on-site buildings will be required to have a sub-slab depressurization system, or other acceptable measures, to mitigate the migration of vapors into the building from groundwater.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
■	□

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
■	□

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. C241146E

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Glenn Goldstein Scott Wilpon (print name) at 30 Hudson Yards, 72nd Floor, New York, NY 10001 (print business address),

am certifying as Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Glenn Goldstein boxSIGN 1R6LK55P-46V7XP5X Scott Wilpon boxSIGN 46ZLPY98-46V7XP5X

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

Feb 9, 2026
Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Gerald F. Nicholls (print name) at 368 Ninth Avenue, 8th Floor, New York, NY 10001 (print business address),

am certifying as a Professional Engineer for the Remedial Party (Owner or Remedial Party)



Gerry Nicholls

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

February 9, 2026

Date

APPENDIX E

NYSDEC CORRESPONDENCE

Outlook

RE: C241146 - Willets Point Soil and Groundwater Report - January 2025

From Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Date Fri 2025-04-18 10:11 AM
To Nicholas Palumbo <npalumbo@langan.com>
Cc O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; McLaughlin, Scarlett E (HEALTH) <scarlett.mclaughlin@health.ny.gov>; Hood, Harolyn L (HEALTH) <Harolyn.Hood@health.ny.gov>; Selmer, Stephanie L (HEALTH) <stephanie.selmer@health.ny.gov>; Gerald Nicholls <gnicholls@Langan.com>; Elizabeth Burgess <eburgess@langan.com>; Ellie Seery <Eseery@langan.com>; Harrison Bluestone <hbluestone@langan.com>

Hi Nick,

Based on the Department's review of the data obtained during previous groundwater monitoring events and request submitted on March 21, 2025, the request to discontinue groundwater monitoring ID No. E-MW202 is approved.

Per DER-10, we would require 8 quarterly groundwater monitoring events for monitoring well ID No. A-MW204R.

Thanks,

Wendi Zheng
New York State Department of Environmental Conservation
P: (718) 482-7541 | wendi.zheng@dec.ny.gov

From: Nicholas Palumbo <npalumbo@langan.com>
Sent: Friday, March 21, 2025 4:30 PM
To: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; McLaughlin, Scarlett E (HEALTH) <scarlett.mclaughlin@health.ny.gov>; Hood, Harolyn L (HEALTH) <Harolyn.Hood@health.ny.gov>; Selmer, Stephanie L (HEALTH) <stephanie.selmer@health.ny.gov>; gnicholls@langan.com; Elizabeth Burgess <eburgess@langan.com>; Ellie Seery <Eseery@langan.com>; Harrison Bluestone <hbluestone@langan.com>
Subject: C241146 - Willets Point Soil and Groundwater Report - January 2025

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hi Wendi,

Please see below to download the Willets Point Soil Sampling and Quarterly Groundwater Monitoring Report for Q1 2025. This report documents groundwater monitoring for all existing monitoring wells across the BCP sites and also includes the post-injection soil sampling results for the SCA Site (C241146D).

The next monitoring event is scheduled for the week of 4/14.

https://clients.langan.com/Sharing/filesharing/ViewPosted?transactionHash=1040854522

Name	Type	Size
C241146 - Willets Point Soil and Groundwater Report - January 2025	.pdf	45.98 MB

Sincerely,
Nick

Nick Palumbo
Project Engineer

LANGAN

Direct: 212.479.5435

Mobile: 917.301.1896
File Sharing Link

Phone: 212.479.5400 Fax: 212.479.5444
368 Ninth Avenue
8th Floor
New York, NY 10001-2727
www.langan.com

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ATHENS CALGARY DUBAI LONDON PANAMA



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NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Acting Commissioner

May 9, 2025

Glenn Goldstein
QDG 126th Street Partners, LLC
QDG Hotel Partners, LLC
QDG Parking Partners, LLC
QDG Retail Partners, LLC
Queens Development Group, LLC
c/o Related Companies
30 Hudson Yards, 72nd Floor
New York, NY 10001

Re: Willets Point Development Phase 1 Housing Bldg 1&2
Willets Point Development Triangle Parcel
126-01 Roosevelt Avenue, 126-43 39th Avenue and 126-55 39th Avenue, Queens, NY
38-27 126th Street (a/k/a N/A Roosevelt Avenue), Queens, NY
Brownfield Cleanup Program #s C241146 & C241146E
A-MW115, A-MW204R and E-MW01 Groundwater Monitoring Response

Dear Mr. Goldstein:

The New York State Department of Environmental Conservation (NYSDEC) has reviewed the Monitoring Wells A-MW115, A-MW204R, and E-MW01 Removal Request dated April 25, 2025 which was prepared by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. on behalf of QDG 126th Street Partners, LLC, QDG Hotel Partners, LLC, QDG Parking Partners, LLC, QDG Retail Partners, LLC, and Queens Development Group, LLC (collectively "the Volunteer"). The letter requests to discontinue future groundwater monitoring for monitoring well ID Nos. A-MW115, A-MW204R and E-MW01. Based on NYSDEC's review of the letter, as well as the data obtained during previous groundwater monitoring events, the request to discontinue groundwater monitoring at monitoring well ID Nos. A-MW115, A-MW204R and E-MW01 is approved.

In accordance with the approved Remedial Action Work Plans (RAWPs) dated March 2021 and June 2022, groundwater monitoring well ID Nos. A-MW115, A-MW204R and E-MW01 must be properly decommissioned in accordance with NYSDEC CP-43: Groundwater Monitoring Well Decommissioning Policy.

Please ensure that a copy of this letter and all the groundwater monitoring reports are placed in the document repositories.

Should you have any questions regarding this letter or any other aspect of the project, please contact me at 718-482-7541 or wendi.zheng@dec.ny.gov.

Sincerely,

Wendi Zheng

Wendi Zheng
Project Manager

ec: J. O'Connell, A. Obligado, J. Andaloro – NYSDEC
S. McLaughlin, H. Hood – NYSDOH
M. Chertok, C. Leas – SPR
J. Hayes, G. Nichols, E. Burgess – Langan

Nicholas Palumbo

From: Nicholas Palumbo
Sent: Friday, June 6, 2025 9:27 AM
To: Zheng, Wendi Y (DEC)
Cc: O'Connell, Jane H (DEC); Obligado, Andre A (DEC); Hood, Harolyn L (HEALTH); Gerald Nicholls; Elizabeth Burgess; Vijay Veluchamy
Subject: RE: Willets Point Development Triangle Parcel BCP Site (C241146E) - SMP Work Notification
Attachments: Willets Point Triangle Parcel (C241146E) - OSTR Drawings.pdf

Hi Wendi,

Following up on Beth's notification below with an update on schedule and additional detail for upcoming SMP-related work. To clarify – Beth's notification was meant for the Triangle Parcel BCP Site (C241146E), not the T-Parcel site. I corrected the subject line to reflect this.

This notification summarizes the scope of work, environmental conditions to be encountered, and schedule for the upcoming open space development at the Triangle Parcel BCP Site. The open space development will include construction of pedestrian access corridors, utilities, and landscaping within a portion of the Triangle Parcel BCP Site (Block 1833, Lot 117). The work area is referred to as Open Space Triangle (OSTR) and is shown on green on Dwg. C-001.00 attached.

- Summary of work to be performed:
  - Installation of a soil-mix wall for support of excavation (SOE) along the perimeters of the OSTR area (see Dwg. SOE-101.0 attached)
  - Excavation to depths of 4 to 21 feet bgs (el +5.5 to el. -10.5) to allow for construction of a pile-supported platform across the OSTR area (see Dwgs. SOE-101.0 and SOE-102.0 attached). Excavated material will be stockpiled, transported, and disposed at a facility permitted to accept the waste. Proposed disposal facilities will be submitted to NYSDEC.
  - Installation of drilled displacement piles to depths up to 130 feet bgs.
  - Construction of a concrete platform slab across the OSTR area (see Dwg. FO-101 attached). The concrete slab will serve as the site cover system, replacing the existing 2-foot clean fill/stone cover.
  - Import of clean fill and backfilling concurrently with utility installation, to between el. +8 and el. +17 (see Dwg C-300.0 attached). Proposed import material will be submitted to NYSDEC for approval.
  - Community Air Monitoring Program (CAMP) implementation will be performed during site activities in which the composite cover system will be breached.
- Environmental conditions anticipated to be encountered in the work areas include:
  - Clean fill comprising the existing site cover system (0 to 2 feet bgs).
  - Non-hazardous historic fill consistent with the documentation samples results provided in the Triangle Parcel Final Engineering Report (below 2 feet bgs).
  - Hazardous-lead impacted fill identified at the western part of the site during waste characterization sampling (from 2 to 6 feet bgs)
- Schedule:
  - The test piles are anticipated to start on **June 16, 2025**.
  - The SOE work is anticipated to start on **June 19, 2025**.
  - The pile installation, excavation, platform construction, and backfilling will follow and are anticipated to be completed in March 2026.
- The work will be performed in accordance with the August 30, 2024 SMP, Excavation Work Plan (EWP), and 29 CFR 1910.120.

- Applicable components of the EWP include sections E-1 through E-16.

Please let us know if you have any questions.

Sincerely,
Nick

Nick Palumbo
Project Engineer

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From: Elizabeth Burgess <eburgess@langan.com>
Sent: Tuesday, May 27, 2025 5:13 PM
To: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; Hood, Harolyn L (HEALTH) <Harolyn.Hood@health.ny.gov>; Gerald Nicholls <gnicholls@Langan.com>; Nicholas Palumbo <npalumbo@langan.com>; Ali Reach <Areach@langan.com>; Vijay Veluchamy <vveluchamy@Langan.com>
Subject: Willets Point Development T-Parcel BCP Site (C241146F) - SMP Work Notification

Hi Wendi,

Please let this email serve as a 15-day notification prior to the start of activity that is anticipated to encounter remaining contamination at the Willets Point Development T-Parcel BCP Site (C241146F). The planned work complies with the approved November 6, 2024 Site Management Plan (SMP) and anticipates to breach the composite cover system in compliance with Appendix E (Excavation Work Plan) of the SMP. Please see below for details:

- Summary of work to be performed:
    - Subsurface pre-construction test pile program including installation of 3 static compression test piles and 12 reaction piles up to 130 feet below grade surface. The locations of the proposed piles are shown on the attached drawings.
        - Test piles will consist of drilled displacement piles and spoils are anticipated to be minimal. In the event necessary, spoils from below the demarcation layer will be screened visually and with a photoionization detector (PID). Spoils that do no exhibit signs of gross-contamination will be returned below the demarcation layer or stockpiled/sampled for disposal off site. A disposal notification will be provided DEC upon receipt of a pre-approval letter from the selected disposal facility.
    - At the completion of the work, the composite cover system will be repaired, as needed. Any disturbed areas of the cap will be replaced in-kind with NYSDEC-approved material.

    - Reuse of properly handled and segregated site cap (3/4-inch quarry stone and imported clean fill) is anticipated to restore work areas.
    - Community Air Monitoring Program (CAMP) implementation will be performed during site activities in which the composite cover system will be breached.
- Environmental conditions anticipated to be encountered in the work areas include non-hazardous historic fill consistent with the documentation samples results provided in the T-Parcel Final Engineering Report.
    - Drilling spoils may encounter the composite cover system and remaining contaminated fill
        - Composite cover system – At least two feet of certified-clean fill (i.e., soil/fill meeting the lower of Protection of Groundwater and Restricted Residential Soil Cleanup Objectives), and top 4 inches consisting of ¾-inch virgin crushed stone
        - Remaining contaminated fill – A physical demarcation layer, consisting of orange snow material was placed under the composite cover system to provide a visual reference. Remaining contaminated fill is expected about 2 feet below grade surface.
- Schedule: anticipated to start on **June 9, 2025**. Pile installation is anticipated to take about 2 weeks; pile load testing about 4 weeks. We will send updates if the start date changes.
    - The next phase of work, including building development, will be detailed in a future work notification and is anticipated to start following load text completion.
- The work will be performed in accordance with the November 6, 2024 SMP, Excavation Work Plan (EWP), and 29 CFR 1910.120.
- Applicable components of the EWP include sections E-1 through E-16.

Future disposal facilities (when identified) and any necessary backfill will be forwarded to NYSDEC for record/approval as required by the SMP.

Please let us know if you have any questions.
Thank you,
Beth

Elizabeth Burgess, PE
Project Engineer

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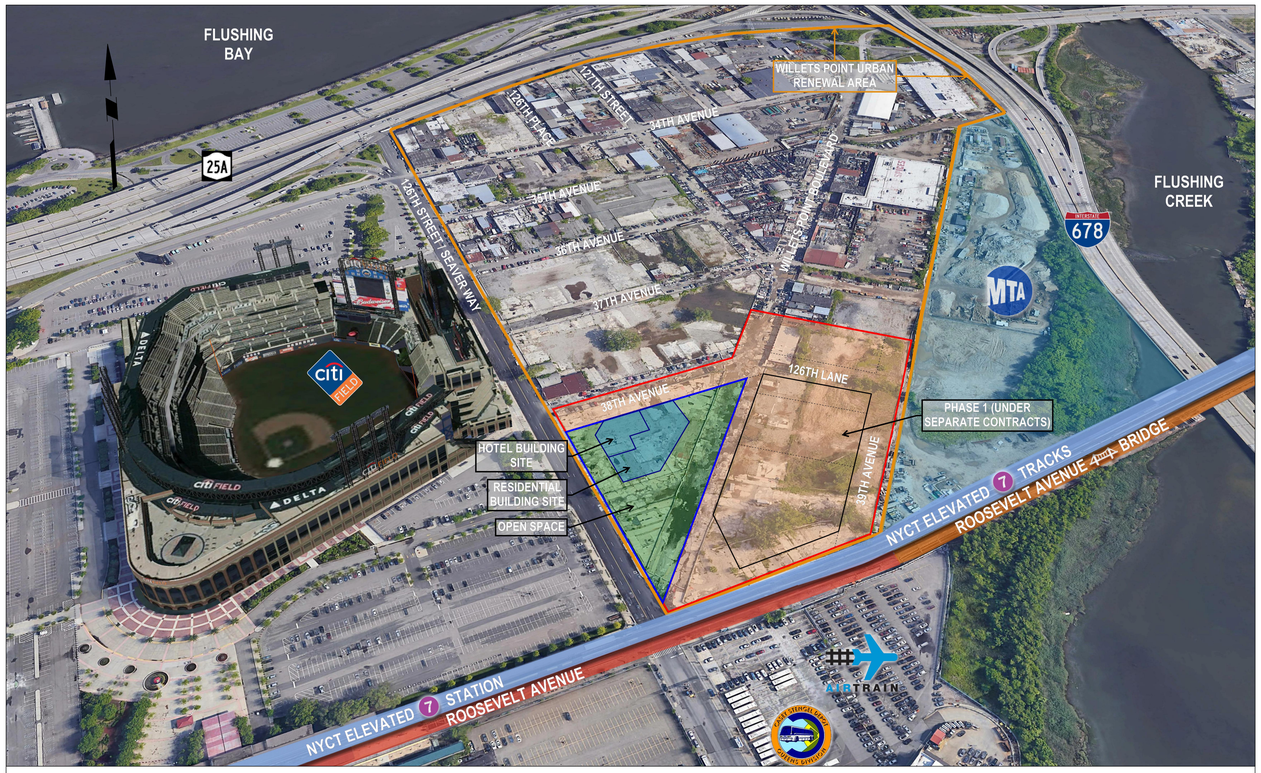
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WILLETS POINT PHASE 2 - TRIANGLE PARCEL OPEN SPACE
FILL AND UTILITY PACKAGE



WILLETS POINT AERIAL MAP

NOT TO SCALE

DRAWING	SHEET #	TITLE	DOB FILING
		LANGAN	
C-001.00	1	COVER	P,S, X
C-003.00	2	FEMA FLOOD INSURANCE RATE MAPS	
C-004.00	3	NOTES	
C-005.00	4	TRANSIT NOTES	
C-100.00	5	MONITORING WELL LOCATION PLAN	
C-110.00	6	FENCE PLAN	
C-201.00	7	SOIL EROSION & SEDIMENT CONTROL 1A	
C-210.00	8	SOIL EROSION & SEDIMENT CONTROL DETAILS	
C-300.00	9	INTERIM GRADING PLAN	
C-301.00	10	INTERIM TOP OF WALL ELEVATIONS	
C-310.00	11	DRAINAGE PLAN	
C-311.00	12	DRAINAGE PLAN 126TH STREET	
C-312.00	13	DRAINAGE PLAN OPEN SPACE PLAZA	
C-313.00	14	DRAINAGE AND UTILITY PLAN SCOPE EXHIBIT	
C-314.00	15	ADD ALTERNATE DRAINAGE PLAN	
C-315.00	16	ADD ALTERNATE DRAINAGE PLAN 126TH STREET	
C-316.00	17	ADD ALTERNATE DRAINAGE PLAN OPEN SPACE PLAZA	
C-317.00	18	ADD ALTERNATE DRAINAGE AND UTILITY PLAN SCOPE EXHIBIT	
C-320.00	19	UTILITY PLAN	
C-400.00	20	SECTIONS	
C-410.00	21	SITE DETAILS	
C-411.00	22	SITE DETAILS	
C-412.00	23	SITE DETAILS	
C-413.00	24	ADD ALTERNATE SITE DETAILS	

DRAWING	SHEET #	TITLE	DOB FILING
		(STRUCTURAL ARCHITECTURE)	
FO-001	1	FOUNDATION GENERAL NOTES	
FO-002	2	NYC TRANSIT GENERAL NOTES	
FO-101	3	PLATFORM FOUNDATION PLAN WITH BACKGROUNDS	
FO-110	4	TYPICAL FOUNDATION DETAILS	
FO-111	5	FOUNDATION SECTIONS AND DETAILS	
FO-112	6	FOUNDATION SECTIONS AND DETAILS COPY 1	
FO-113	7	FOUNDATION SECTIONS AND DETAILS	
FO-114	8	SECONDARY PLATFORM PART PLANS	
FO-120	9	PLATFORM FOUNDATION PLAN - A	
FO-121	10	PLATFORM FOUNDATION PLAN - B	
FO-122	11	PLATFORM FOUNDATION PLAN - C	

DRAWING	SHEET #	TITLE
		MFPF- FOR REFERENCE
L-100.00	1	SITE LAYOUT PLAN
L-200.00	2	SITE GRADING PLAN
L-300.00	3	SITE PLANTING PLAN
L-400.00	4	SITE MATERIAL PLAN
L-402.00	5	SITE LIGHTING PLAN
L-510.00	6	GROUND FLOOR ELEVATION

Date	Description	No.
Revisions		

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Project
WILLETS POINT
PHASE 2 - TRIANGLE
PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

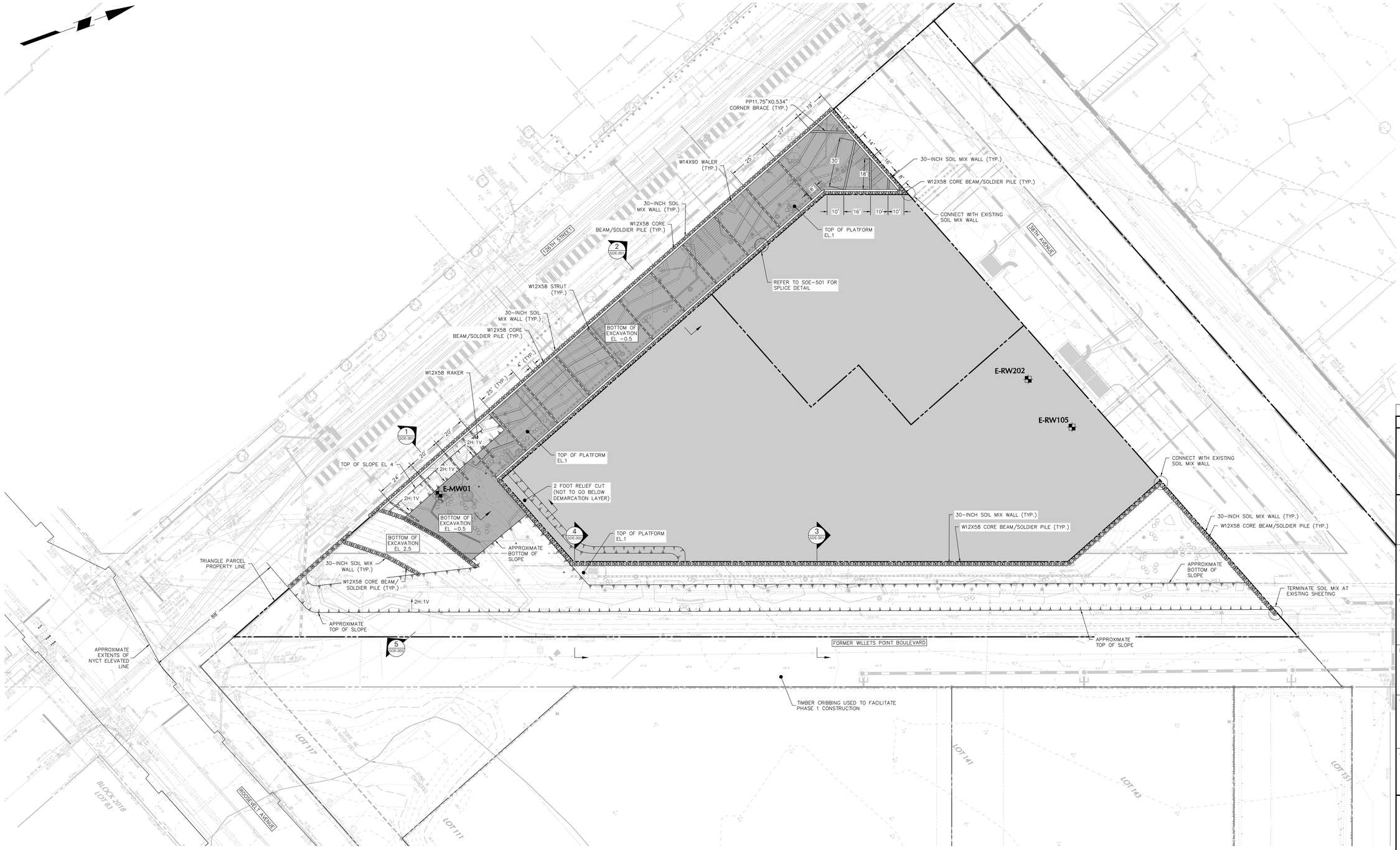
Drawing Title
COVER

Project No.	Drawing No.
170197675	C-001.00
Date: 2/14/2025	
Drawn By: VL/PK	
Checked By: EG	Sheet 1 of 24

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Project No. 170197675

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GENERAL NOTES:

1. BACKGROUND INFORMATION TAKEN FROM SURVEY TITLED "BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY" FOR WILLETS POINT DEVELOPMENT, PERFORMED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C., LAST UPDATED JULY 28, 2024.
2. PROPOSED GRADING TAKEN FROM DRAWING NUMBER "L-200" TITLED "GROUND FLOOR GRADING PLAN" BY MPFP PLLC, DATED FEBRUARY 1, 2024.
3. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) WHICH IS 1.625 FEET BELOW THE QUEENS TOPOGRAPHICAL BUREAU DATUM (QBD) AND 1.1 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK, NJ AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY (NGVD29).
4. EXISTING MONITORING WELLS TO BE PROTECTED AND SURVEYED (SECTION 33 24 13 – WELL PROTECTION, REPLACEMENT, AND ABANDONMENT).
5. ANY PROPOSED PILES WITHIN 15 FEET (EDGE-TO-EDGE) OF EXISTING DEP SEWERS OR WATER MAINS SHOULD BE INSTALLED BY DRILLING ONLY. NO HAMMERING OF PILES IS PERMITTED WITHIN 15-FT (EDGE-TO-EDGE) OF EXISTING DEP UTILITIES.

LEGEND:

- LIMIT OF DISTURBANCE
- LIMIT OF PARCEL DEVELOPMENTS
- APPROXIMATE ALIGNMENT OF 72-IN WATER MAIN
- E-XW## EXISTING MONITORING WELL TO BE PROTECTED AND SURVEYED

20 0 5 10 20
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Date	Description	No.
Revisions		

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Project
WILLETS POINT PHASE 2 - TRIANGLE PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
SUPPORT OF EXCAVATION PLAN PHASE A

Project No.	170197675
Date	3/28/2025
Drawn By	EK
Checked By	VV

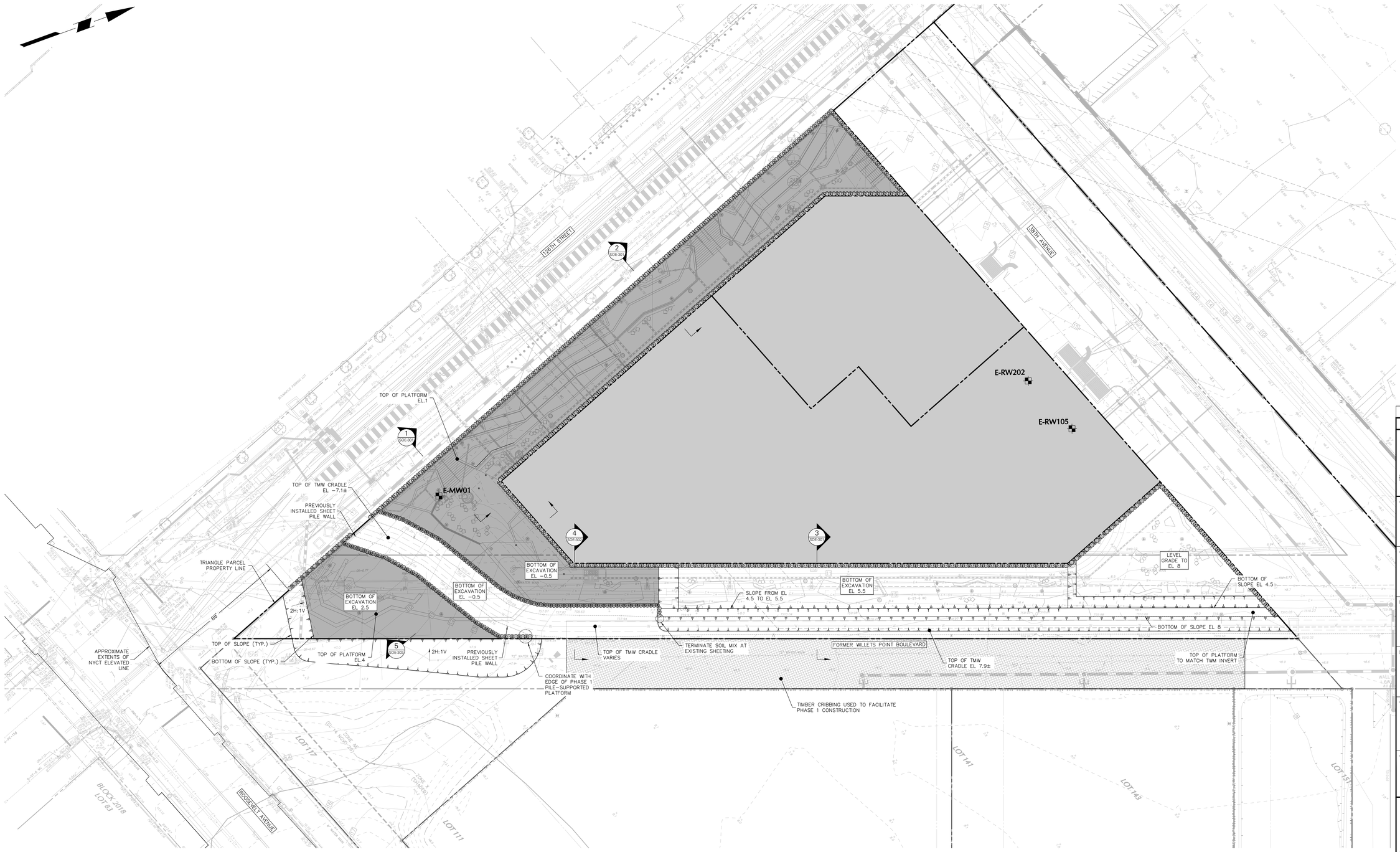
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Sheet 2 of 10

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GENERAL NOTES:

1. BACKGROUND INFORMATION TAKEN FROM SURVEY TITLED "BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY" FOR WILLETS POINT DEVELOPMENT, PERFORMED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C., LAST UPDATED JULY 28, 2024.
2. PROPOSED GRADING TAKEN FROM DRAWING NUMBER "L-200" TITLED "GROUND FLOOR GRADING PLAN" BY MPFP PLLC, DATED FEBRUARY 1, 2024.
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LEGEND:

- LIMIT OF DISTURBANCE
- LIMIT OF PARCEL DEVELOPMENTS
- APPROXIMATE ALIGNMENT OF 72-IN WATER MAIN
- E-XW## EXISTING MONITORING WELL TO BE PROTECTED AND SURVEYED

20 0 5 10 20
SCALE IN FEET

Date	Description	No.
Revisions		

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Project
WILLETS POINT PHASE 2 - TRIANGLE PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
SUPPORT OF EXCAVATION PLAN PHASE B

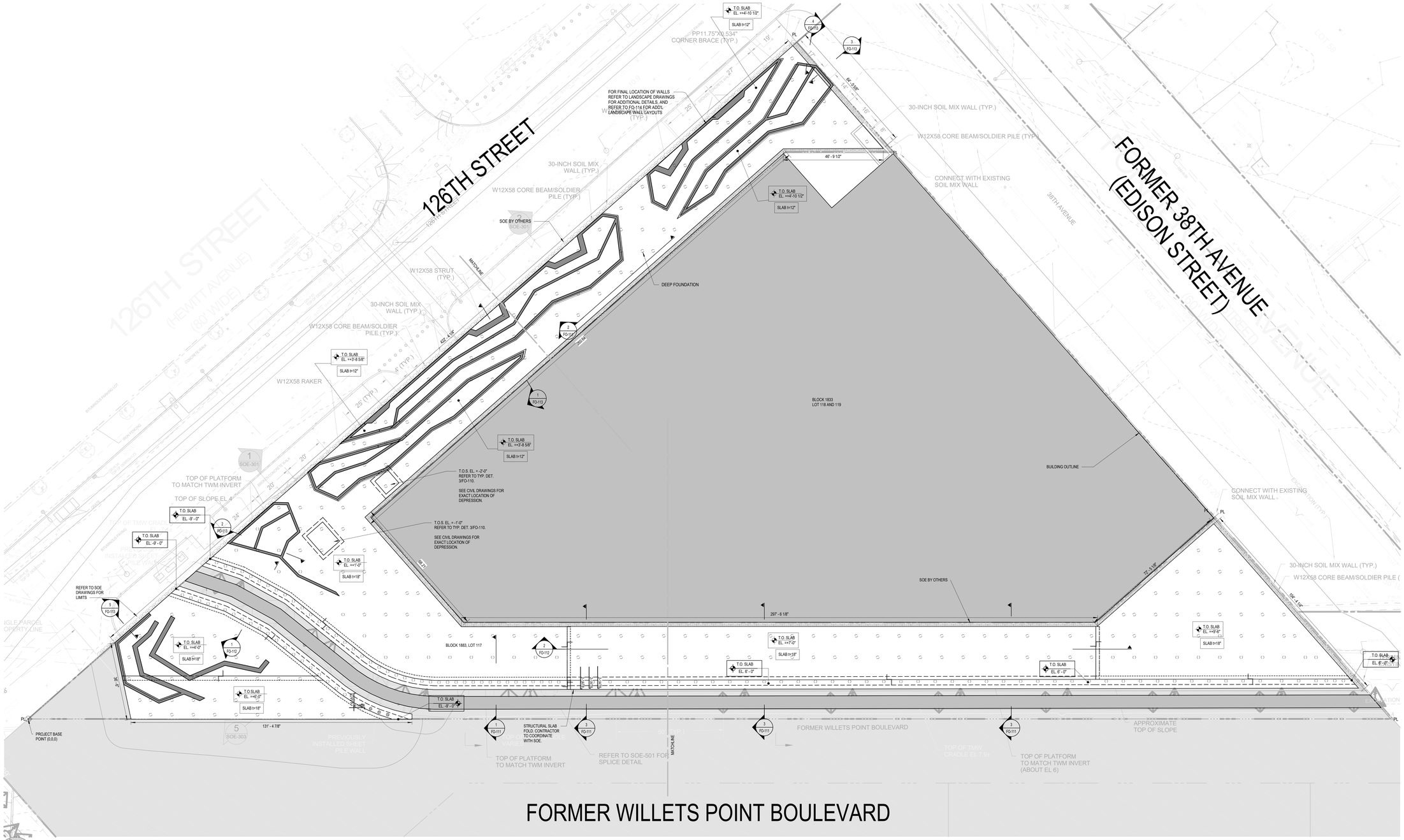
Project No.	170197675
Date	3/28/2025
Drawn By	EK
Checked By	VV

SOE-102.00

Sheet 3 of 10

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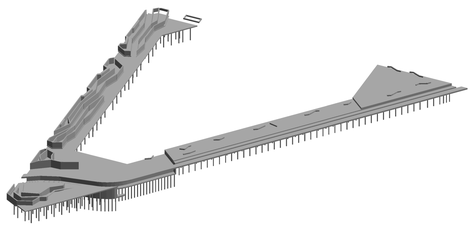
Project No. 170197675



PLATFORM FOUNDATION OVERALL PLAN

SCALE: 1/16" = 1'-0"

NORTH



3D ISO - PLATFORM FOUNDATION OVERALL PLAN

LEGEND:

DENOTES 16" DIAMETER DEEP FOUNDATION WITH 150 TON COMPRESSION CAPACITY

DENOTES 16" DIAMETER FIXED HEAD DEEP FOUNDATION WITH 150 TON COMPRESSION CAPACITY

NOTE: PILE TYPE TO BE PROPSED BY THE CONTRACTOR.

TOP OF SLAB ELEVATION U.O.N.:	**SEE PLAN**
SLAB THICKNESS U.O.N.:	**18"**
SLAB CONCRETE STRENGTH:	**f'c = 8 ksi**
SLAB TOP BARS U.O.N.:	**#8@12" O.C. E.W.**
SLAB BASIC BOTTOM BARS U.O.N.:	**#8@12" O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING FO-001.
2. ALL ELEVATIONS SHOWN ARE NAVD88.
3. FOR FOUNDATION DETAILS SEE DRAWING FO-110 SERIES.
4. OUTERMOST REINFORCING IN MAT RUNS E-W.
5. DETAILER TO CHECK ALL BAR CLEARANCES.
6. ALL BARS TO BE EPOXY-COATED.
7. REFER TO DWG. FO-101 FOR PROJECT BASE POINT.

LANGAN

Project No. 170197675

Date	Description	No.
03/07/2025	100% CONSTRUCTION DOCUMENTS	

Revisions

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Project:
PHASE 2 TRIANGLE PARCEL OPEN SPACE LANDSCAPE/ HARDSCAPE
CORONA
QUEENS COUNTY NEW YORK

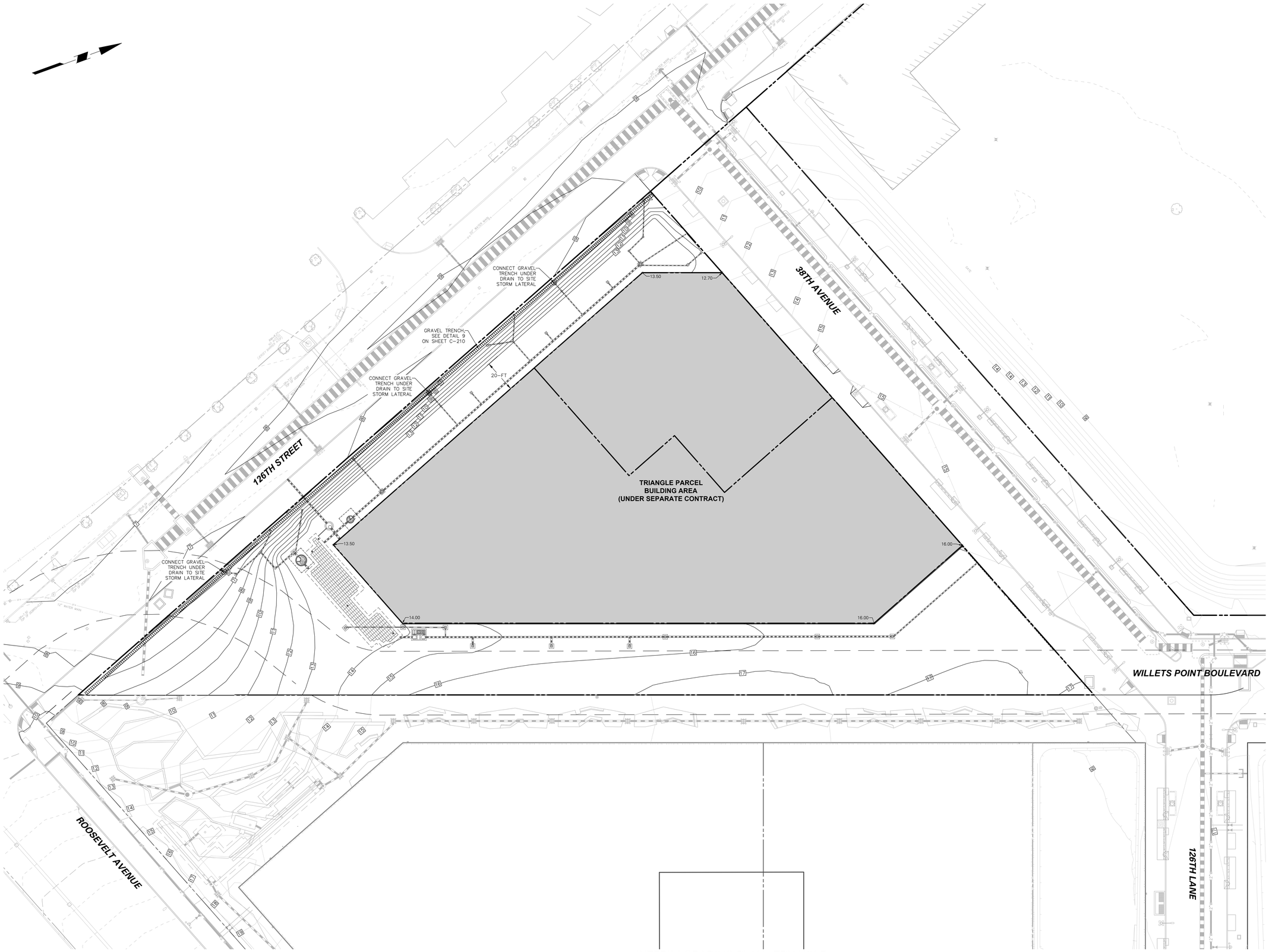
Drawing Title:
PLATFORM FOUNDATION PLAN WITH BACKGROUNDS

Project No.	170197675
Date	03/07/2025
Drawn By	DCEBIM
Checked By	KM/RM

FO-101

Sheet of

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INTERIM GRADING PLAN - TRIANGLE

SCALE: 1" = 20'

GENERAL NOTES:

1. BACKGROUND INFORMATION TAKEN FROM AN ACTUAL SURVEY TITLED "BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY" FOR WILLETS POINT DEVELOPMENT, PERFORMED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C., DATED OCTOBER 14, 2019, LAST UPDATED JULY 28, 2023.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) WHICH IS 1.625 FEET BELOW THE QUEENS TOPOGRAPHICAL BUREAU DATUM (QBD) AND 1.1 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK, NJ AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY (NGVD29).

NOTES:

1. ELEVATIONS SHOWN HEREIN REPRESENT GRADES AT COMPLETIONS ON THIS CONTRACT. REFER RI DRAWING L-200 PROVIDED AS A REFERENCE PLAN FOR FINAL SITE GRADES.
2. CONTRACTOR SHALL MAINTAIN SITE GRADES TO PITCH STORMWATER RUNOFF AWAY FROM BUILDING SOE.

LEGEND:

- LIMIT OF DISTURBANCE
- LIMIT OF TRIANGLE PARCEL
- BUILDING PARCEL
- BUILDING ENTRANCE
- STORM SERVICE
- CATCH BASIN
- AREA DRAIN
- LANDSCAPE DRAIN
- DETENTION TANK
- MANHOLE
- DIRECTION OF FLOW
- EXISTING CONTOURS
- PROPOSED CONTOURS

Date	Description	No.

Revisions

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SIGNATURE DATE SIGNED

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Project
WILLETS POINT
PHASE 2 - TRIANGLE
PARCEL OPEN SPACE
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
FILL/UTILITIES
GRADING PLAN

Project No.	Drawing No.
170197675	C-300.00
Date: 2/14/2025	
Drawn By: VL/PK	
Checked By: EG	Sheet 9 of 24

20 0 5 10 20
SCALE IN FEET

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Date: 4/13/2025 Time: 17:17 User: ekyriacou Style Table: Langan.stb Layout: C-300.00 Document Code: 170197675-0601-CG101-0101

LANGAN

Project No. 170197675

New York State Department of Environmental Conservation
Pre-Work Notification for Bulk Storage (PBS or CBS) Tank Installation or Closure

This form provides notice to the Department of an upcoming tank installation and/or closure per 6 NYCRR Sections 613-1.9(h) and (f), 613-2.6(b) (1), 613-3.5 (b) (1) and 613-4.5 (b) (1) of the Petroleum Bulk Storage (PBS) Regulations, or 6 NYCRR Sections 596.2(f) and (h) of the Chemical Bulk Storage (CBS) Regulations. Submit the completed form to the DEC regional office at least 30 days prior to the scheduled start of work for PBS tank installation * and permanent closure** ; at least 3 days prior for CBS tank installation *** . For CBS permanent tank closure, a minimum of 3 day prior notice is recommended. **If the schedule for work changes you must notify the Department's Regional Office before work begins. Once the work is complete, the facility (property) owner is responsible for submitting a PBS or CBS application to the Department with the complete tank information including the date the action was completed.** The Owner is also responsible to ensure that all work is completed in compliance with the applicable PBS or CBS regulations (i.e., Parts 613 or 598/599). Any questions, call the Regional Office to which notice was submitted. Information on the Chemical and Petroleum Bulk Storage Programs be found at: http://www.dec.ny.gov/chemical/287.html

*not required for temporary tank system ** unless in response to corrective action *** unless immediate action is required

Check Applicable Program: ☑ PBS ☐ CBS **Facility PBS or CBS Registration No.** 2-606213 or ☐ unregistered

Site Name: Willets Point Development Triangle Parcel	Contractor: Miller Environmental
Site Address: 38-27 126th Street	Address: 1300 Shames Drive
Site Address (cont): Queens, New York	Address(cont): Westbury, NY
Site Contact: James P. Strobel	Contact: Maria Tsortanidis
Phone Number: 914-584-9612 Cell Number:	Phone Number: 516-876-7940 Cell Number:
Email Address: james.strobel@related.com	Email Address: mtsortanidis@millerenv.com

Tank Number	Type of Action (Close & Remove, Close in Place, Install)	Proposed Date**** (mm/dd/yy)	Tank Type (AST/ UST, Single-wall/ Double-wall)	Product Stored	Capacity (Gallons)	Spill Number (if applicable)	Reason for Action
023	Close & Remove	8/4/2025	UST	fuel oil/gasoli	unknown	No - BCP Site No	Site Management

Comments (i.e. piping/dispenser upgrade, preliminary site work for tank removal)	Top of a UST structure uncovered at site which contains either multiple compartments or separate tanks. Extent of UST structure is about 20' by 20' and 4' deep. If multiple tanks, multiple tank numbers will be added and close/removed under the PBS registration.

****** Please notify the DEC regional office at least 3 days prior to the work beginning or if the proposed date changes.**

I hereby certify under penalty of law that the information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Name of Owner or Authorized Representative (print): James Strobel Title: VP Construction

Signature _____ Date 8/1/2025

Revised 12/14/2022

Willets Point Development
Phase 1 Senior Housing

38-02 126th Lane
Queens, NY
Langan No. 170197650
BCP Site No. C241146B

MATERIAL REUSE PACKAGE

Material Type	Clean Fill and Virgin Sand
Source Facility	Willets Point Development Triangle Parcel BCP Site No. C241146E 38-27 126th Street Queens, New York

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e) and 6NYCRR Part 360.13. Use of this form is not a substitute for reading the applicable regulations and Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Restricted Residential Use

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? 800-1000

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? no

Does it contain less than 10%, by weight, material that passes a size 100 sieve? yes

Is this virgin material from a permitted mine or quarry? no

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

The material requested to be imported was previously approved for import by NYSDEC and placed as backfill during trunk water main construction at the Willets Point OU-1 and OU-2 site (BCP Site No. C241146) in 2023. Since that date, BCP Site No. C241146 has been subdivided; the material requested to be imported is currently located on what is now known as the Willets Point Development Triangle Parcel site (BCP Site No. C241146E). The material requested to be imported consists of material from two previously approved import sources: clean fill from Durante Brothers Construction Corp. in Flushing, NY and virgin sand from Evergreen Recycling of Corona in Flushing, NY.
Sampling was conducted for both of the original import sources, please see attached material import requests and NYSDEC approvals.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Please see attached material import requests and NYSDEC approvals.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Queens Development Group II, LLC

Location where fill was obtained:

Willets Point Development Triangle Parcel (BCP Site No. C241146E)

Identification of any state or local approvals as a fill source:

See attached NYSDEC approvals

If no approvals are available, provide a brief history of the use of the property that is the fill source:

N/A

Provide a list of supporting documentation included with this request:

1. Material Location Map
2. Import Material Package - Evergreen Recycling of Corona Virgin Sand
3. NYSDEC Approval - Evergreen Recycling of Corona Virgin Sand
4. Import Material Package - Durante Bros. Construction Corp. Clean Fill
5. NYSDEC Approval - Durante Bros. Construction Corp. Clean Fill

The information provided on this form is accurate and complete.

Nicholas Palumbo

Digitally signed by Nicholas Palumbo
DN: C=US, E=npalumbo@langan.com, O=Langan Engineering, CN=Nicholas Palumbo
Reason: I have reviewed this document
Date: 2025.08.18 17:47:30-04'00'

Signature

08/18/2025

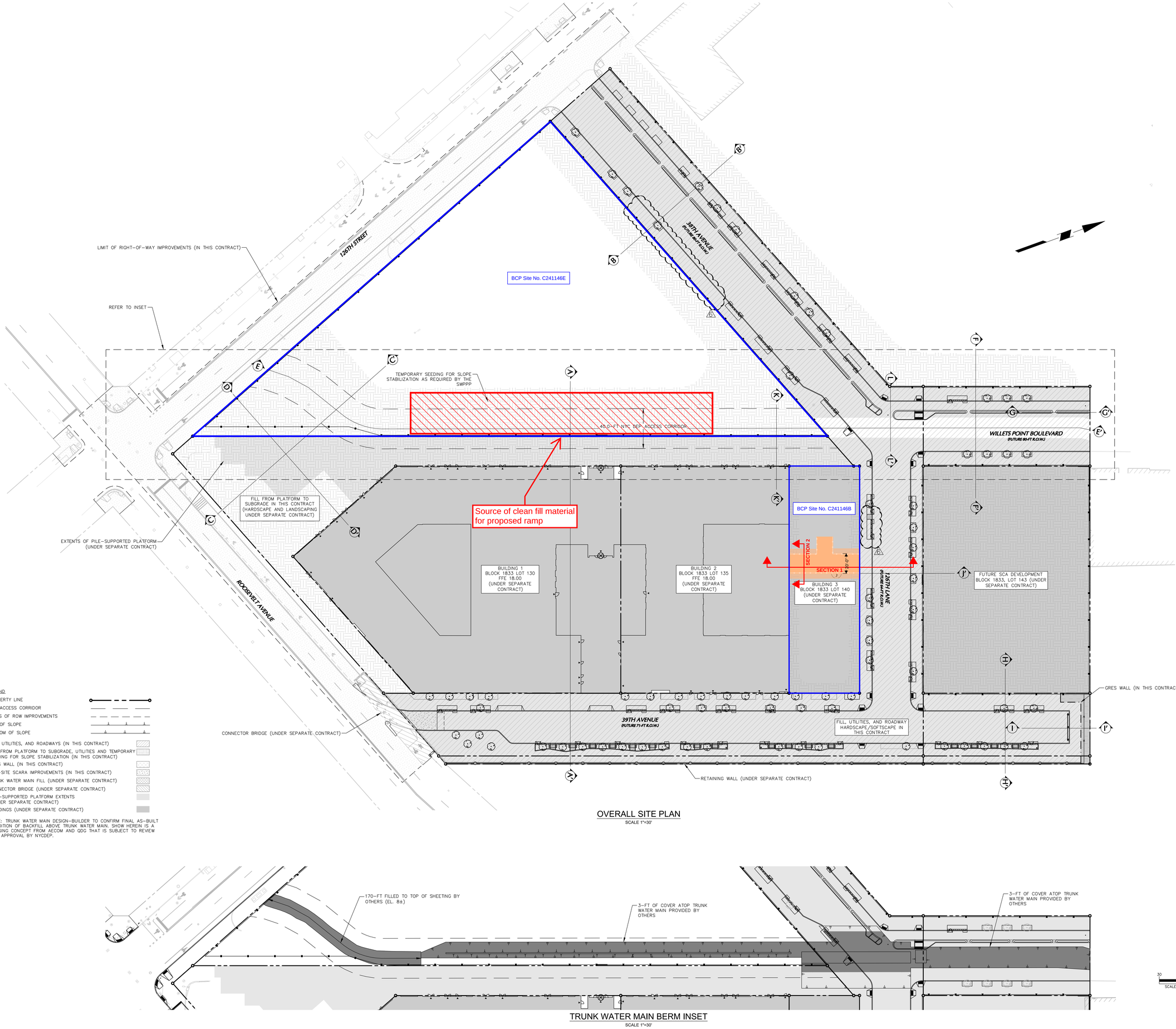
Date

Nicholas Palumbo

Print Name

Langan Engineering

Firm



OVERALL SITE PLAN
SCALE 1"=30'

TRUNK WATER MAIN BERM INSET
SCALE 1"=30'

30 0 15 30
SCALE: 1 INCH = 30 FEET

Date	Description	No.
09/13/2024	BULLETIN 21	3
03/28/2024	BULLETIN 10	2
11/15/2023	BULLETIN 1	1

Revisions

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.

SIGNATURE DATE SIGNED
MICHELE O'CONNOR
PROFESSIONAL ENGINEER NY Lic. No. 086302

CLIENT:
RELATED
RELATED COMPANIES
30 HUDSON YARDS
NEW YORK, NY 10001
P: 212-801-1000

CLIENT:
STERLING EQUITIES
STERLING EQUITIES
111 GREAT NECK ROAD
GREAT NECK, NY 11021
P: 516-773-3800

LANDSCAPE ARCHITECT:
MPFP
MPFP
120 BROADWAY, 20TH FLOOR
NEW YORK, NY 10271
P: 212-477-6356

MEP ENGINEER:
GEA CONSULTING ENGINEERS
GEA CONSULTING ENGINEERS
545 8TH AVE, 11TH FLOOR
NEW YORK, NY 10018
P: 212-643-8806

CODE CONSULTANT:
CCI
215 WEST 40TH STREET, 10TH FLOOR
NEW YORK, NY 10018
P: 212-216-9096

COST ESTIMATOR:
STUART-LYNN COMPANY
18 WEST 18TH STREET, STE. 05-117
NEW YORK, NY 10011
P: 212-209-1180

LANGAN
Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com

Project
WILLETS POINT
QUEENS NEW YORK

Drawing Title
CONTRACT SCOPE PLAN

Project No.	Drawing No.
170197601	C-100.00
Date: 03/28/2024	
Drawn By: JF	
Checked By: MLN	Sheet of

© 2024 Langan

Willets Point OU-1
Trunk Water Main Construction

126th STREET/WILLETS POINT BOULEVARD
QUEENS, NEW YORK

Langan No. 170197620
BCP Site No. C241146

IMPORT MATERIAL PACKAGE

Material Type Virgin Sand

Source Facility Evergreen Recycling of Corona
127-50 Northern Blvd
Flushing, New York 11368

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Restricted Residential Use

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? >1000

If greater than 1000 cubic yards will be imported, enter volume to be imported: 2,000

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? no

Does it contain less than 10%, by weight, material that would pass a size 10 sieve? no

Does it contain less than 10%, by weight, material that would pass a size 100 sieve? yes

Is this virgin material from a permitted mine or quarry? yes

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

1 composite soil sample was analyzed for SVOCs, metals, PCBs, pesticides/herbicides
1 composite soil sample was analyzed for PFAS
2 grab soil samples were analyzed for VOCs

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

The sample results meet the lower of the NYSDEC Part 375 Restricted Use Residential and Protection of Groundwater Soil Cleanup Objectives.

The laboratory analytical reports are attached. The results for VOCs and PFAS are provided in the York Analytical Report No. 23F1422. The results for SVOCs, metals, PCBs, and pesticides/herbicides are provided in the Pace Analytical Report 70252808.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

David Cinquemani - General Manager of Evergreen Recycling of Corona

Location where fill was obtained:

West Hills Silica Sand Mining Corp - 110 Sand Co., Huntington, New York

Identification of any state or local approvals as a fill source:

NYSDEC Mining Permit No. 1-4726-00330/00003

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

1. EROC Facility Letter
2. DEC Mining Permit
3. NYS Mined Land Reclamation Database_Mine ID 10001
4. Laboratory Analytical Reports
5. Sieve Analysis

The information provided on this form is accurate and complete.

Nicholas Palumbo

Digitally signed by Nicholas Palumbo
DN: C=US, E=npalumbo@langan.com, O=Langan Engineering, CN=Nicholas Palumbo
Reason: I have reviewed this document
Date: 2023.06.29 17:20:51-04'00'

Signature

06-29-2023

Date

Nicholas Palumbo

Print Name

Langan Engineering

Firm

Evergreen Recycling Of Corona

127-50 Northern Blvd.Flushing, N.Y. 11368
718-205-8038 Fax 718-205-8202
Yard: 35th ave & Willets Point Blvd.

June 28, 2023

George Mathews
Triumph Construction
1354 Seneca Avenue
Bronx, NY 10474

Dear George,

Evergreen Recycling of Corona permit #41W93 an approved NYSDEC C&D facility is to supply Virgin Sand to the Remediation of Willets Pt Development OU-2 project. The material is represented by York Analytical Laboratories Project (SDG) No.; 23F1422 dated 6-27-23, one pile was tested to cover all testing. The virgin material was purchased from West Hills Silica Mining Co which is 110 Sand Co located in Huntington, NY. The permit no. is 1-4726-00330/00003. The material is Native material and has not been comingled with any other material and was not sourced from, or stored at, any environmentally impacted or contaminated properties, the summary table are included with submittal.

If there are any questions, please feel free to contact me at any time.

Sincerely,

David Cinquemani
General Manager

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Permits, Region 1
SUNY @ Stony Brook, 50 Circle Road, Stony Brook, NY 11790
P: (631) 444-0365 | F: (631) 444-0360
www.dec.ny.gov

September 23, 2020

West Hills Silica Sand Mining Co.
P.O. Box 650
Purchase, NY 10577

RE: Permit No. 1-4726-00330/00003

Dear Permittee:

In conformance with the requirements of the State Uniform Procedures Act (Article 70, ECL) and its implementing regulations (6NYCRR, Part 621) we are enclosing the permit identified above. Please carefully read all permit conditions and the schedule contained in the permit carefully to ensure compliance during the term of the permit. If you are unable to comply with any conditions, please contact us at the above address.

This permit must be kept available on the premises of the facility at all times.

Sincerely,

John A. Wieland
Permit Administrator

JAW/ls

PERMIT

Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:
WEST HILLS SILICA SAND MINING CO
PO BOX 650
PURCHASE, NY 10577
(631) 249-4108

Facility:
110 SAND CO
136 SPAGNOLI RD
MELVILLE, NY 11746

Facility Location: in HUNTINGTON in SUFFOLK COUNTY
Facility Principal Reference Point: NYTM-E: 632.125 NYTM-N: 4513.814
Latitude: 40°45'52.9" Longitude: 73°26'04.4"
Authorized Activity: To continue to mine sand and gravel from 139 acres of a 139 acre Life of Mine on a 286 acre property. The reclamation of the site shall be in accordance with the special conditions of this permit and the solid waste management facility permit issued June 29, 2005. NYSDEC #1-4726-00490/00010.

Permit Authorizations

Mined Land Reclamation - Under Article 23, Title 27
Permit ID 1-4726-00330/00003 (Mined Land ID 10001)
Renewal Effective Date: 9/23/2020 Expiration Date: 9/22/2025

NYSDEC Approval

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, and all conditions included as part of this permit.

Permit Administrator: JOHN A WIELAND, Deputy Regional Permit Administrator
Address: NYSDEC Region 1 Headquarters
SUNY @ Stony Brook|50 Circle Rd
Stony Brook, NY 11790-3409

Authorized Signature: _____ Date 09/23/2020

Permit Components

MINED LAND RECLAMATION PERMIT CONDITIONS

GENERAL CONDITIONS, APPLY TO ALL AUTHORIZED PERMITS

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

MINED LAND RECLAMATION PERMIT CONDITIONS

1. **Bond, Surety to Remain in Force** Any required reclamation bond or other surety, in an amount determined by the Department, shall be maintained in full force and effect. Such a bond or other surety shall not be terminated until the reclamation of the mined area is approved by the department in writing.

2. **Strip and Stockpile Soils for Reclamation** Prior to the excavation of previously undisturbed areas, topsoil and overburden shall be stripped, stockpiled separately, and used for reclamation of mined areas. These stockpiles shall be seeded to establish a vegetative cover within 30 days, or as soon as practicable following their construction. The permittee shall locate all overburden stockpiles within the permitted area of the approved Life of Mine. Sufficient quantities of topsoil must be retained on the site for use in reclamation, unless prior approval is granted by the Department.

3. **Fueling of Equipment and Reporting of Spills** Fueling of equipment shall be controlled to prevent spillage. Any spillage of fuels, waste oils, other petroleum products or hazardous materials shall be reported to the Department's Spill Hotline number (1-800-457-7362) within 2 hours. The permittee shall retain the Department's Spill Response number for immediate access in the permittee's office and at the mine site.

4. **Conformance With Plans** All activities authorized by this permit must be in strict conformance with the approved plans submitted by the applicant or applicant's agent as part of the permit application. Such plans were approved by Robert Yager, Mined Land Reclamation Specialist on March 2, 2020 and consist of the following items:

   A. Mining permit application dated 12/17/2019 signed by Virgil M. Price.
   B. Organization report dated 12/17/2019 signed by Virgil M. Price II and notarized.
   C. Map called Topographic Survey prepared for West Hills Silica Sand Mining Corp. dated January 19, 2020 done by Fauser Associates P.C.
   D. Document dated October 27, 2004 called Sand Mining Narrative signed by James Debis P.E. (Modification to add 148 acres to the life of mine)
   E. Document dated February 10, 2004 called Part 1 Environmental Assessment Form and Attachments prepared and signed by Jim Debis – Engineer 110 Sand Company
   F. Map 1 Project 5306-03 dated April 28, 2003 called 110 Sand Company - Conceptual Plan for Clean Fill Disposal Site Expansion created by Lockwood, Kessler & Bartlett Inc.
   G. Map 2 Project 5306-03 dated April 28, 2003 called 110 Sand Company - Generalized Cross Sections A-A &B-B created by Lockwood, Kessler & Bartlett Inc.

5. **No Unpermitted Discharge Outside Limits of Mine** There shall be no natural swales or channels or constructed features such as ditches, pipes, etc., that are capable of discharging waters to any offsite areas or to any areas outside the limits of the Life of Mine except those explicitly described and shown in the narrative and graphic portions of the approved Mined Land Use Plan. All silt laden water and storm water generated on, or running across, the site shall be retained within the approved project area. The permittee must comply with all applicable State Pollutant Discharge Elimination System (SPDES) permit requirements and provide necessary notifications for off-site point source discharges.

6. **Maintain Area Markers for Permit Term** The permittee shall provide permanent markers such as stakes, posts or other devices acceptable to the Department to identify and delineate the permit area, as outlined on the approved Mining Plan Map. These markers are to be installed prior to the start of mining and shall be maintained for the duration of the permit term.

7. **Dust Control** Water or other approved dust palliatives must be applied to haulageways and other parts of the mine, as often as necessary, to prevent visible dust from leaving the mine property.

GENERAL CONDITIONS - Apply to ALL Authorized Permits:

1. **Facility Inspection by The Department** The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71- 0301 and SAPA 401(3).

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

2. **Relationship of this Permit to Other Department Orders and Determinations** Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

3. **Applications For Permit Renewals, Modifications or Transfers** The permittee must submit a separate written application to the Department for permit renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing. Submission of applications for permit renewal, modification or transfer are to be submitted to:

Regional Permit Administrator
NYSDEC Region 1 Headquarters
SUNY @ Stony Brook|50 Circle Rd
Stony Brook, NY11790 -3409

4. **Submission of Renewal Application** The permittee must submit a renewal application at least 30 days before permit expiration for the following permit authorizations: Mined Land Reclamation.

5. **Permit Modifications, Suspensions and Revocations by the Department** The Department reserves the right to exercise all available authority to modify, suspend or revoke this permit. The grounds for modification, suspension or revocation include:

a. materially false or inaccurate statements in the permit application or supporting papers;

b. failure by the permittee to comply with any terms or conditions of the permit;

c. exceeding the scope of the project as described in the permit application;

d. newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;

e. noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

6. **Permit Transfer** Permits are transferrable unless specifically prohibited by statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification
The permittee, excepting state or federal agencies, expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under Article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit
The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits
The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights
This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

The New York State
Department of Environmental Conservation
has issued a

MINING PERMIT

pursuant to the Environmental Conservation Law for the mining operation being conducted on this site. For more information regarding the nature and extent of work approved, contact the Mined Land Reclamation Specialist shown below. Please refer to the mine file number shown when contacting the D.E.C.

1-4726-00336/00003

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Search Parameters:[Go Back]

- Permittee Name like West Hills

Export XLS Export CSV Export KML

Record Count: 1 Rows: 1 to 1

Mine ID	Permittee Name	Mine Name	First Name	Last Name	Address 1	Address 2	City	State	Zip 1	Zip 2	Phone	Status	Mine Location	County	Town	Current Permit Acres	Acres Life of Mine	Acres Reclaimed	Commodity	Last Permit Expires	First Permit Date	Last Permit Issued	Last Inspection Date	General Inspections	Latitude	Longitude	Reclamation Type	Reclamation Inspections	Financial Security	Regulatory Acreage Range	Underground Acres	Last Modified Date
10001	West Hills Silica Sand Mining Corp	110 Sand Co.	Kevin	Boland	P.O. Box 650		Purchase	NY	10577	0036	(914) 967-0477	Permitted	Bethpage-Spagnoli Rd, Melville View Map	Suffolk	Huntington	159.00	257.00	98.00	Sand and Gravel	09/22/2025	11/23/1982	09/23/2020	07/29/2022	Inspection Record	40.7645	73.42877	Other		$0.01	> 30 acres	No	11/26/2013

Record Count: 1 Rows: 1 to 1

Export XLS Export CSV Export KML

Technical Report

prepared for:

Triumph Construction
1354 Seneca Avenue
Bronx NY, 10474
Attention: George Mathews

Report Date: 06/27/2023
Client Project ID: EROC
York Project (SDG) No.: 23F1422

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 06/27/2023
Client Project ID: EROC
York Project (SDG) No.: 23F1422

Triumph Construction
1354 Seneca Avenue
Bronx NY, 10474
Attention: George Mathews

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 22, 2023 and listed below. The project was identified as your project: **EROC**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23F1422-01	VOC-1	Soil	06/22/2023	06/22/2023
23F1422-02	VOC-2	Soil	06/22/2023	06/22/2023
23F1422-03	PFAS-1	Soil	06/22/2023	06/22/2023
23F1422-04	Trip Blank	Water	06/22/2023	06/22/2023
23F1422-05	PFAS Fiel Blank	Water	06/22/2023	06/22/2023

General Notes for York Project (SDG) No.: 23F1422

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 06/27/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: VOC-1 **York Sample ID:** 23F1422-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1422	EROC	Soil	June 22, 2023 10:00 am	06/22/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 12:44 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 12:44 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 12:44 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 12:44 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 12:44 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 12:44 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 12:44 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 12:44 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 12:44 NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 12:44 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 12:44 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 12:44 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 12:44 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 12:44 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 12:44 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 12:44 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 12:44 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 12:44 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC

Sample Information

Client Sample ID: VOC-1 **York Sample ID:** 23F1422-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1422	EROC	Soil	June 22, 2023 10:00 am	06/22/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.10	1	EPA 8260C Certifications:	06/23/2023 09:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/23/2023 12:44	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/23/2023 12:44	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC

Sample Information

Client Sample ID: VOC-1 **York Sample ID:** 23F1422-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1422	EROC	Soil	June 22, 2023 10:00 am	06/22/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/23/2023 12:44	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/23/2023 12:44	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/23/2023 12:44	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/23/2023 12:44	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/23/2023 12:44	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/23/2023 12:44	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/23/2023 12:44	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	06/23/2023 12:44	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	06/23/2023 12:44	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 12:44	BMC

Sample Information

Client Sample ID: VOC-1 **York Sample ID:** 23F1422-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1422	EROC	Soil	June 22, 2023 10:00 am	06/22/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/23/2023 09:36	06/23/2023 12:44	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND	QL-02	mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/23/2023 09:36	06/23/2023 12:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/23/2023 09:36	06/23/2023 12:44	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/23/2023 09:36	06/23/2023 12:44	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/23/2023 09:36	06/23/2023 12:44	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/23/2023 09:36	06/23/2023 12:44	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/23/2023 09:36	06/23/2023 12:44	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/23/2023 09:36	06/23/2023 12:44	BMC
								Certifications:	CTDOH-PH-0723		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/23/2023 09:36	06/23/2023 12:44	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/23/2023 09:36	06/23/2023 12:44	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/23/2023 09:36	06/23/2023 12:44	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C	06/23/2023 09:36	06/23/2023 12:44	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.7 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.5 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.4 %*	*76-130*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.1**		%	0.100	1	SM 2540G	06/26/2023 17:54	06/26/2023 17:55	AC
							Certifications:	CTDOH-PH-0723		

Sample Information

Client Sample ID: VOC-2 **York Sample ID:** 23F1422-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1422	EROC	Soil	June 22, 2023 10:05 am	06/22/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC

Sample Information

Client Sample ID: VOC-2 **York Sample ID:** 23F1422-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1422	EROC	Soil	June 22, 2023 10:05 am	06/22/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 13:12	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.095	1	EPA 8260C Certifications:	06/23/2023 09:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/23/2023 13:12	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 13:12	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 13:12	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 13:12	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 13:12	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 13:12	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 13:12	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 13:12	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/23/2023 13:12	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 13:12	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 13:12	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 13:12	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 13:12	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 13:12	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 13:12	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 13:12	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 13:12	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/23/2023 13:12	BMC

Sample Information

Client Sample ID: VOC-2 **York Sample ID:** 23F1422-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1422	EROC	Soil	June 22, 2023 10:05 am	06/22/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	06/23/2023 09:36	06/23/2023 13:12 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC

Sample Information

Client Sample ID: VOC-2 **York Sample ID:** 23F1422-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1422	EROC	Soil	June 22, 2023 10:05 am	06/22/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C	06/23/2023 09:36	06/23/2023 13:12	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND	QL-02	mg/kg dry	0.0024	0.0047	1	EPA 8260C	06/23/2023 09:36	06/23/2023 13:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C	06/23/2023 09:36	06/23/2023 13:12	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0024	0.0047	1	EPA 8260C	06/23/2023 09:36	06/23/2023 13:12	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C	06/23/2023 09:36	06/23/2023 13:12	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C	06/23/2023 09:36	06/23/2023 13:12	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C	06/23/2023 09:36	06/23/2023 13:12	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C	06/23/2023 09:36	06/23/2023 13:12	BMC
								Certifications:	CTDOH-PH-0723		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C	06/23/2023 09:36	06/23/2023 13:12	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C	06/23/2023 09:36	06/23/2023 13:12	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C	06/23/2023 09:36	06/23/2023 13:12	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C	06/23/2023 09:36	06/23/2023 13:12	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*100 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.6 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.0 %*	*76-130*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**95.5**		%	0.100	1	SM 2540G	06/26/2023 17:54	06/26/2023 17:55	AC
							Certifications:	CTDOH-PH-0723		

Sample Information

Client Sample ID: PFAS-1 **York Sample ID:** 23F1422-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1422	EROC	Soil	June 22, 2023 10:10 am	06/22/2023

PFAS by EPA 537 m

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL

Sample Information

Client Sample ID: PFAS-1 **York Sample ID:** 23F1422-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1422	EROC	Soil	June 22, 2023 10:10 am	06/22/2023

PFAS by EPA 537 m

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	06/22/2023 15:05	06/27/2023 13:26	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*128 %*	*25-150*
Surrogate: M5PFHxA	*138 %*	*25-150*
Surrogate: M4PFHpA	*136 %*	*25-150*
Surrogate: M3PFHxS	*132 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*121 %*	*25-150*
Surrogate: M6PFDA	*87.3 %*	*25-150*
Surrogate: M7PFUdA	*62.5 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*60.0 %*	*25-150*
Surrogate: M2PFTeDA	*71.5 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*137 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*94.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*139 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*49.1 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*67.9 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*72.4 %*	*25-150*
Surrogate: M2-6:2 FTS	*114 %*	*25-200*
Surrogate: M2-8:2 FTS	*88.9 %*	*25-200*
Surrogate: M9PFNA	*116 %*	*25-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**94.2**		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	06/23/2023 17:35	06/23/2023 17:38	AC

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **23F1422-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1422	EROC	Water	June 22, 2023 11:45 am	06/22/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 23F1422-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1422	EROC	Water	June 22, 2023 11:45 am	06/22/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
78-93-3	**2-Butanone**	**8.6**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	JTG
591-78-6	**2-Hexanone**	**1.3**	CCVE	ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	JTG
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
67-64-1	**Acetone**	**18**	CCVE	ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	JTG
107-02-8	Acrolein	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
75-15-0	**Carbon disulfide**	**0.20**	J, B	ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 23F1422-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1422	EROC	Water	June 22, 2023 11:45 am	06/22/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/22/2023 18:00	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/22/2023 18:00	JTG
110-82-7	Cyclohexane	ND	QL-02	ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/22/2023 18:00	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/22/2023 18:00	JTG
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/22/2023 18:00	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/22/2023 18:00	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/22/2023 18:00	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/22/2023 18:00	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/22/2023 18:00	JTG
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/22/2023 18:00	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/22/2023 18:00	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/22/2023 18:00	JTG
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/22/2023 11:48 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/22/2023 18:00	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/22/2023 18:00	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/22/2023 18:00	JTG
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	06/22/2023 18:00	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	06/22/2023 11:48 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	06/22/2023 18:00	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/22/2023 18:00	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	06/22/2023 18:00	JTG

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **23F1422-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1422	EROC	Water	June 22, 2023 11:45 am	06/22/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
75-65-0	**tert-Butyl alcohol (TBA)**	**11**		ug/L	0.50	1.0	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	06/22/2023 11:48	06/22/2023 18:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	JTG

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.0 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*90.6 %*	*79-122*

Sample Information

Client Sample ID: **PFAS Fiel Blank** **York Sample ID:** **23F1422-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1422	EROC	Water	June 22, 2023 10:10 am	06/22/2023

Sample Information

Client Sample ID: PFAS Fiel Blank

York Sample ID: 23F1422-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1422	EROC	Water	June 22, 2023 10:10 am	06/22/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.892	3.36	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.664	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.35	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.29	3.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.797	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.56	3.53	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.987	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	1.42	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.14	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.67	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.40	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.31	3.80	1	EPA 1633 Draft 3 Certifications:	06/22/2023 15:18	06/27/2023 11:20	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	1.50	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.96	3.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.437	7.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.67	3.80	1	EPA 1633 Draft 3 Certifications:	06/22/2023 15:18	06/27/2023 11:20	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.73	3.63	1	EPA 1633 Draft 3 Certifications:	06/22/2023 15:18	06/27/2023 11:20	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.51	3.66	1	EPA 1633 Draft 3 Certifications:	06/22/2023 15:18	06/27/2023 11:20	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.01	14.4	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ

Sample Information

Client Sample ID: PFAS Fiel Blank

York Sample ID: 23F1422-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1422	EROC	Water	June 22, 2023 10:10 am	06/22/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	3.89	14.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.626	15.2	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.949	6.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	4.06	7.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.475	7.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.702	7.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	1.44	3.57	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	3.40	14.2	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	6.13	15.2	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.62	14.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	1.33	14.2	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
919005-14-4	ADONA	ND		ng/L	1.01	14.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/22/2023 15:18	06/27/2023 11:20	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.77	3.68	1	EPA 1633 Draft 3 Certifications:	06/22/2023 15:18	06/27/2023 11:20	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	1.63	3.64	1	EPA 1633 Draft 3 Certifications:	06/22/2023 15:18	06/27/2023 11:20	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	3.85	9.49	1	EPA 1633 Draft 3 Certifications:	06/22/2023 15:18	06/27/2023 11:20	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	13.9	47.5	1	EPA 1633 Draft 3 Certifications:	06/22/2023 15:18	06/27/2023 11:20	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	18.0	47.5	1	EPA 1633 Draft 3 Certifications:	06/22/2023 15:18	06/27/2023 11:20	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	7.57	38.0	1	EPA 1633 Draft 3 Certifications:	06/22/2023 15:18	06/27/2023 11:20	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	3.00	3.80	1	EPA 1633 Draft 3 Certifications:	06/22/2023 15:18	06/27/2023 11:20	ESJ

Sample Information

Client Sample ID: PFAS Fiel Blank

York Sample ID: 23F1422-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1422	EROC	Water	June 22, 2023 10:10 am	06/22/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1691-99-2	* N-EtFOSE	ND		ng/L	7.57	38.0	1	EPA 1633 Draft 3 Certifications:	06/22/2023 15:18	06/27/2023 11:20	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	3.42	3.80	1	EPA 1633 Draft 3 Certifications:	06/22/2023 15:18	06/27/2023 11:20	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*113 %*	*25-150*
Surrogate: M5PFHxA	*133 %*	*25-150*
Surrogate: M4PFHpA	*147 %*	*25-150*
Surrogate: M3PFHxS	*126 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*114 %*	*25-150*
Surrogate: M6PFDA	*83.7 %*	*25-150*
Surrogate: M7PFUdA	*81.5 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*94.2 %*	*25-150*
Surrogate: M2PFTeDA	*60.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*18.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*167 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*117 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*130 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*124 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*151 %*	*25-150*
Surrogate: M2-6:2 FTS	*146 %*	*25-200*
Surrogate: M2-8:2 FTS	*105 %*	*25-200*
Surrogate: M9PFNA	*100 %*	*25-150*
Surrogate: M2-4:2 FTS	*114 %*	*25-150*
Surrogate: d-N-MeFOSA	*105 %*	*25-150*
Surrogate: d-N-EtFOSA	*103 %*	*25-150*
Surrogate: M3HFPO-DA	*124 %*	*25-150*
Surrogate: d9-N-EtFOSE	*56.6 %*	*25-150*
Surrogate: d7-N-MeFOSE	*64.8 %*	*25-150*

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23F1422-01	VOC-1	40mL Vial with Stir Bar-Cool 4° C
23F1422-02	VOC-2	40mL Vial with Stir Bar-Cool 4° C
23F1422-04	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon current NELAC/TNI Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 23F1422

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | 56 Church Hill Rd. #2 Newtown, CT 06470 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK

YOUR Information	Report To:	Invoice To:
Company: Tenen Env LLC	Company:	Company:
Address: 121 W27th St. NY NY 10001	Address:	Address:
Phone.: 646 600 2332	Phone.:	Phone.:
Contact: m carroll@tenen-env.com	Contact:	Contact:
E-mail: m carroll	E-mail:	E-mail:

YOUR Project Number: EROC

YOUR Project Name: EROC

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day [X]
- RUSH - Four Day
- RUSH - Five Day
- **Standard (6-9 Day)**

PFAS Standard is 7-10 Days

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Houpong Lau

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York [X]
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | EQuIS (Standard)
QA Report | CT RCP DQA/DUE | NYSDEC EQuIS
CMDP | NJDEP Reduced Deliverables | NJDKQP
Standard Excel EDD | NJDEP SRP HazSite
NY ASP B Package | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
VOC-1	S	6/22/23 1000	VOCs		4
VOC-2	S	6/22/23 1005	VOCs		4
PFAS-1	S	6/22/23 1010	PFAS		1
Trip Blank		6/22/23	VOCs		

Comments:

Preservation: (check all that apply)
HCl ___ MeOH / HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered
Lab to Filter

Samples iced/chilled at time of lab pickup? circle Yes or No

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Houpong HP Lau	6/22/23 1145	2C/on ice YORK	06/22/23 1145	YORK	
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				WH/YORK	6/22/23 2:30pm 5 Degrees C

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

April 24, 2023

Dave Cinquemani
Evergreen Recycling of Corona
127-50 Northern Blvd
Corona, NY 11368

RE: Project: SCA SAND 022020
Pace Project No.: 70252808

Dear Dave Cinquemani:

Enclosed are the analytical results for sample(s) received by the laboratory on April 13, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lori A. Beyer
lori.beyer@pacelabs.com
(516)370-6014
Project Manager

Enclosures

cc: Dean Devoe, Tully Environmental
Accounts Payable, Evergreen Recycling of Corona

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without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

CERTIFICATIONS

Project: SCA SAND 022020
Pace Project No.: 70252808

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: SCA SAND 022020
Pace Project No.: 70252808

Sample: SCA SAND 022020 **Lab ID: 70252808001** Collected: 04/13/23 10:15 Received: 04/13/23 17:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8151 Chlorinated Herbicides	Analytical Method: EPA 8151A Preparation Method: EPA 8151A Pace Analytical Services - Melville							
2,4,5-TP (Silvex)	**<5.2**	ug/kg	5.2	1	04/17/23 08:30	04/20/23 15:10	93-72-1	
Surrogates								
2,4-DCAA (S)	85	%	10-157	1	04/17/23 08:30	04/20/23 15:10	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3050B Pace Analytical Services - Melville							
Aluminum	**1010**	mg/kg	10	1	04/17/23 10:34	04/18/23 10:52	7429-90-5	
Antimony	**<3.0**	mg/kg	3.0	1	04/17/23 10:34	04/18/23 10:52	7440-36-0	
Arsenic	**0.70**	mg/kg	0.50	1	04/17/23 10:34	04/18/23 10:52	7440-38-2	
Barium	**5.9J**	mg/kg	10	1	04/17/23 10:34	04/18/23 10:52	7440-39-3	
Beryllium	**<0.25**	mg/kg	0.25	1	04/17/23 10:34	04/18/23 10:52	7440-41-7	
Cadmium	**<0.12**	mg/kg	0.12	1	04/17/23 10:34	04/18/23 10:52	7440-43-9	
Calcium	**1680**	mg/kg	49.8	1	04/17/23 10:34	04/18/23 10:52	7440-70-2	
Chromium	**2.1**	mg/kg	0.50	1	04/17/23 10:34	04/18/23 10:52	7440-47-3	
Cobalt	**0.85J**	mg/kg	2.5	1	04/17/23 10:34	04/18/23 10:52	7440-48-4	
Copper	**2.4**	mg/kg	1.2	1	04/17/23 10:34	04/18/23 10:52	7440-50-8	
Iron	**1790**	mg/kg	5.0	1	04/17/23 10:34	04/18/23 10:52	7439-89-6	
Lead	**1.4**	mg/kg	0.25	1	04/17/23 10:34	04/18/23 10:52	7439-92-1	
Magnesium	**1170**	mg/kg	49.8	1	04/17/23 10:34	04/18/23 10:52	7439-95-4	
Manganese	**36.0**	mg/kg	0.75	1	04/17/23 10:34	04/18/23 10:52	7439-96-5	
Molybdenum	**<1.0**	mg/kg	1.0	1	04/17/23 10:34	04/18/23 10:52	7439-98-7	
Nickel	**1.7J**	mg/kg	2.0	1	04/17/23 10:34	04/18/23 10:52	7440-02-0	B
Potassium	**144J**	mg/kg	249	1	04/17/23 10:34	04/18/23 10:52	7440-09-7	
Selenium	**<0.50**	mg/kg	0.50	1	04/17/23 10:34	04/18/23 10:52	7782-49-2	
Silver	**<0.50**	mg/kg	0.50	1	04/17/23 10:34	04/18/23 10:52	7440-22-4	
Sodium	**<249**	mg/kg	249	1	04/17/23 10:34	04/18/23 10:52	7440-23-5	
Thallium	**<0.50**	mg/kg	0.50	1	04/17/23 10:34	04/18/23 10:52	7440-28-0	
Vanadium	**3.7**	mg/kg	2.5	1	04/17/23 10:34	04/18/23 10:52	7440-62-2	
Zinc	**4.5**	mg/kg	1.0	1	04/17/23 10:34	04/18/23 10:52	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Melville							
Mercury	**<0.038**	mg/kg	0.038	1	04/17/23 06:00	04/17/23 12:33	7439-97-6	
8270E MSSV	Analytical Method: EPA 8270E Preparation Method: EPA 3545A Pace Analytical Services - Melville							
Acenaphthene	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	83-32-9	
Acenaphthylene	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	208-96-8	
Anthracene	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	120-12-7	
Benzo(a)anthracene	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	56-55-3	
Benzo(a)pyrene	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	50-32-8	
Benzo(b)fluoranthene	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	205-99-2	
Benzo(g,h,i)perylene	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	191-24-2	
Benzo(k)fluoranthene	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	207-08-9	
Chrysene	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	218-01-9	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: SCA SAND 022020
Pace Project No.: 70252808

Sample: SCA SAND 022020 **Lab ID: 70252808001** Collected: 04/13/23 10:15 Received: 04/13/23 17:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV	Analytical Method: EPA 8270E Preparation Method: EPA 3545A Pace Analytical Services - Melville							
Dibenz(a,h)anthracene	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	53-70-3	
Dibenzofuran	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	132-64-9	
Fluoranthene	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	206-44-0	
Fluorene	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	86-73-7	
Hexachlorobenzene	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	118-74-1	
Indeno(1,2,3-cd)pyrene	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	193-39-5	
2-Methylphenol(o-Cresol)	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05		
Naphthalene	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	91-20-3	
Pentachlorophenol	**<686**	ug/kg	686	1	04/14/23 12:00	04/14/23 22:05	87-86-5	
Phenanthrene	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	85-01-8	
Phenol	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	108-95-2	
Pyrene	**<68.6**	ug/kg	68.6	1	04/14/23 12:00	04/14/23 22:05	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	48	%	30-84	1	04/14/23 12:00	04/14/23 22:05	4165-60-0	
2-Fluorobiphenyl (S)	48	%	35-92	1	04/14/23 12:00	04/14/23 22:05	321-60-8	
p-Terphenyl-d14 (S)	59	%	46-107	1	04/14/23 12:00	04/14/23 22:05	1718-51-0	
Phenol-d5 (S)	63	%	30-88	1	04/14/23 12:00	04/14/23 22:05	4165-62-2	
2-Fluorophenol (S)	58	%	26-86	1	04/14/23 12:00	04/14/23 22:05	367-12-4	
2,4,6-Tribromophenol (S)	58	%	28-112	1	04/14/23 12:00	04/14/23 22:05	118-79-6	
2-Chlorophenol-d4 (S)	51	%	27-84	1	04/14/23 12:00	04/14/23 22:05	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	40	%	14-79	1	04/14/23 12:00	04/14/23 22:05	2199-69-1	
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
Acetone	**9.3**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	67-64-1	B,C9,v3
Benzene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	71-43-2	
Bromobenzene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	108-86-1	
Bromochloromethane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	74-97-5	
Bromodichloromethane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	75-27-4	
Bromoform	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	75-25-2	
Bromomethane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	74-83-9	v3
2-Butanone (MEK)	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	78-93-3	
n-Butylbenzene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	104-51-8	
sec-Butylbenzene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	135-98-8	
tert-Butylbenzene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	98-06-6	
Carbon tetrachloride	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	56-23-5	
Chlorobenzene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	108-90-7	
Chlorodifluoromethane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	75-45-6	N3,v3
Chloroethane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	75-00-3	v3
Chloroform	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	67-66-3	
Chloromethane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	74-87-3	v3
2-Chlorotoluene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	95-49-8	
4-Chlorotoluene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	96-12-8	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: SCA SAND 022020
Pace Project No.: 70252808

Sample: SCA SAND 022020 **Lab ID: 70252808001** Collected: 04/13/23 10:15 Received: 04/13/23 17:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
Dibromochloromethane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	124-48-1	
1,2-Dibromoethane (EDB)	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	106-93-4	
Dibromomethane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	74-95-3	
1,2-Dichlorobenzene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	95-50-1	
1,3-Dichlorobenzene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	541-73-1	
1,4-Dichlorobenzene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	106-46-7	
Dichlorodifluoromethane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	75-71-8	
1,1-Dichloroethane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	75-34-3	
1,2-Dichloroethane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	107-06-2	
1,1-Dichloroethene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	75-35-4	
cis-1,2-Dichloroethene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	156-59-2	
trans-1,2-Dichloroethene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	156-60-5	
1,2-Dichloropropane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	78-87-5	
1,3-Dichloropropane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	142-28-9	
2,2-Dichloropropane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	594-20-7	
1,1-Dichloropropene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	563-58-6	
cis-1,3-Dichloropropene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	10061-01-5	
trans-1,3-Dichloropropene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	10061-02-6	
1,4-Dioxane (p-Dioxane)	**<55.1**	ug/kg	55.1	1	04/19/23 06:08	04/19/23 11:35	123-91-1	
Ethylbenzene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	100-41-4	
Hexachloro-1,3-butadiene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	87-68-3	
Isopropylbenzene (Cumene)	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	98-82-8	
p-Isopropyltoluene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	99-87-6	
Methylene Chloride	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	108-10-1	
Methyl-tert-butyl ether	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	1634-04-4	
Naphthalene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	91-20-3	
n-Propylbenzene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	103-65-1	
Styrene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	79-34-5	
Tetrachloroethene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	127-18-4	
1,2,4,5-tetramethylbenzene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	95-93-2	N3
Toluene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	108-88-3	
1,2,3-Trichlorobenzene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	120-82-1	
1,1,1-Trichloroethane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	71-55-6	
1,1,2-Trichloroethane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	79-00-5	
Trichloroethene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	79-01-6	
Trichlorofluoromethane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	75-69-4	
1,2,3-Trichloropropane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	76-13-1	
1,2,4-Trimethylbenzene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	95-63-6	
1,3,5-Trimethylbenzene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	108-67-8	
Vinyl chloride	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	75-01-4	v3

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: SCA SAND 022020
Pace Project No.: 70252808

Sample: SCA SAND 022020 **Lab ID: 70252808001** Collected: 04/13/23 10:15 Received: 04/13/23 17:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
Xylene (Total)	**<4.4**	ug/kg	4.4	1	04/19/23 06:08	04/19/23 11:35	1330-20-7	
m&p-Xylene	**<4.4**	ug/kg	4.4	1	04/19/23 06:08	04/19/23 11:35	179601-23-1	
o-Xylene	**<2.2**	ug/kg	2.2	1	04/19/23 06:08	04/19/23 11:35	95-47-6	
Surrogates								
Toluene-d8 (S)	101	%	86-154	1	04/19/23 06:08	04/19/23 11:35	2037-26-5	
4-Bromofluorobenzene (S)	103	%	75-144	1	04/19/23 06:08	04/19/23 11:35	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	82-112	1	04/19/23 06:08	04/19/23 11:35	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville							
Percent Moisture	**3.4**	%	0.10	1		04/14/23 11:11		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196A Preparation Method: EPA 3060A Pace Analytical Services - Melville							
Chromium, Hexavalent	**<1.0**	mg/kg	1.0	1	04/18/23 19:35	04/18/23 23:49	18540-29-9	M1
Trivalent Chromium Calculation	Analytical Method: Trivalent Chromium Calculation Pace Analytical Services - Melville							
Chromium, Trivalent	**2.1**	mg/kg	0.20	1		04/21/23 13:23	16065-83-1	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	**0.094J**	mg/kg	0.10	1	04/21/23 14:45	04/21/23 17:39	57-12-5	B

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: SCA SAND 022020
Pace Project No.: 70252808

QC Batch: 301274
QC Batch Method: EPA 7471B
Analysis Method: EPA 7471B
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70252808001

METHOD BLANK: 1526669 Matrix: Solid
Associated Lab Samples: 70252808001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.040	0.040	04/17/23 11:56	

LABORATORY CONTROL SAMPLE: 1526670

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.2	0.20	101	80-120	

MATRIX SPIKE SAMPLE: 1526675

Parameter	Units	70252808001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	<0.038	0.18	0.18	99	80-120	

SAMPLE DUPLICATE: 1526676

Parameter	Units	70252808001 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	<0.038	<0.036		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: SCA SAND 022020
Pace Project No.: 70252808

QC Batch: 301286
QC Batch Method: EPA 3050B
Analysis Method: EPA 6010C
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70252808001

METHOD BLANK: 1526700 Matrix: Solid
Associated Lab Samples: 70252808001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	<9.9	9.9	04/18/23 10:14	
Antimony	mg/kg	<3.0	3.0	04/18/23 10:14	
Arsenic	mg/kg	<0.49	0.49	04/18/23 10:14	
Barium	mg/kg	<9.9	9.9	04/18/23 10:14	
Beryllium	mg/kg	<0.25	0.25	04/18/23 10:14	
Cadmium	mg/kg	<0.12	0.12	04/18/23 10:14	
Calcium	mg/kg	<49.4	49.4	04/18/23 10:14	
Chromium	mg/kg	<0.49	0.49	04/18/23 10:14	
Cobalt	mg/kg	<2.5	2.5	04/18/23 10:14	
Copper	mg/kg	<1.2	1.2	04/18/23 10:14	
Iron	mg/kg	<4.9	4.9	04/18/23 10:14	
Lead	mg/kg	<0.25	0.25	04/18/23 10:14	
Magnesium	mg/kg	<49.4	49.4	04/18/23 10:14	
Manganese	mg/kg	<0.74	0.74	04/18/23 10:14	
Molybdenum	mg/kg	<0.99	0.99	04/18/23 10:14	
Nickel	mg/kg	0.57J	2.0	04/18/23 10:14	
Potassium	mg/kg	<247	247	04/18/23 10:14	
Selenium	mg/kg	<0.49	0.49	04/18/23 10:14	
Silver	mg/kg	<0.49	0.49	04/18/23 10:14	
Sodium	mg/kg	<247	247	04/18/23 10:14	
Thallium	mg/kg	<0.49	0.49	04/18/23 10:14	
Vanadium	mg/kg	<2.5	2.5	04/18/23 10:14	
Zinc	mg/kg	<0.99	0.99	04/18/23 10:14	

LABORATORY CONTROL SAMPLE: 1526701

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	7810	8330	107	47-153	
Antimony	mg/kg	133	70.6	53	10-202	
Arsenic	mg/kg	85.7	80.4	94	82-118	
Barium	mg/kg	340	344	101	80-120	
Beryllium	mg/kg	101	103	102	81-118	
Cadmium	mg/kg	157	155	99	79-121	
Calcium	mg/kg	4020	3930	98	79-121	
Chromium	mg/kg	226	235	104	80-121	
Cobalt	mg/kg	236	243	103	80-120	
Copper	mg/kg	141	135	96	83-118	
Iron	mg/kg	13900	12400	89	61-139	
Lead	mg/kg	261	257	98	82-118	

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QUALITY CONTROL DATA

Project: SCA SAND 022020
Pace Project No.: 70252808

LABORATORY CONTROL SAMPLE: 1526701

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium	mg/kg	2180	2200	101	75-125	
Manganese	mg/kg	544	534	98	79-121	
Molybdenum	mg/kg	207	211	102	79-121	
Nickel	mg/kg	343	339	99	79-121	
Potassium	mg/kg	1900	2170	114	69-131	
Selenium	mg/kg	127	123	96	78-123	
Silver	mg/kg	56	52.9	95	78-122	
Sodium	mg/kg	115	149J	130	68-133	
Thallium	mg/kg	73.9	75.5	102	80-120	
Vanadium	mg/kg	86.9	88.7	102	77-123	
Zinc	mg/kg	157	159	102	79-121	

MATRIX SPIKE SAMPLE: 1526703

Parameter	Units	70252245002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	7320	622	9100	287	75-125	M1
Antimony	mg/kg	<3.1	49.7	31.0	62	75-125	M1
Arsenic	mg/kg	2.6	24.9	25.1	90	75-125	
Barium	mg/kg	16.3	24.9	43.8	110	75-125	
Beryllium	mg/kg	<0.26	24.9	25.0	101	75-125	
Cadmium	mg/kg	0.13	24.9	24.1	96	75-125	
Calcium	mg/kg	4100	622	5520	229	75-125	M1
Chromium	mg/kg	8.6	24.9	34.7	105	75-125	
Cobalt	mg/kg	3.1	24.9	27.3	97	75-125	
Copper	mg/kg	8.3	24.9	31.4	93	75-125	
Iron	mg/kg	8860	249	8300	-225	75-125	M1
Lead	mg/kg	9.3	24.9	36.9	111	75-125	
Magnesium	mg/kg	1750	622	2800	169	75-125	M1
Manganese	mg/kg	87.1	24.9	107	80	75-125	
Molybdenum	mg/kg	<1.0	49.7	49.6	99	75-125	
Nickel	mg/kg	5.3	24.9	27.7	90	75-125	
Potassium	mg/kg	322	622	1130	130	75-125	M1
Selenium	mg/kg	<0.52	24.9	21.8	86	75-125	
Silver	mg/kg	<0.52	12.4	8.2	66	75-125	M1
Sodium	mg/kg	298	622	995	112	75-125	
Thallium	mg/kg	<0.52	12.4	12.2	98	75-125	
Vanadium	mg/kg	22.9	24.9	45.3	90	75-125	
Zinc	mg/kg	29.2	24.9	54.2	101	75-125	

SAMPLE DUPLICATE: 1526702

Parameter	Units	70252245002 Result	Dup Result	RPD	Qualifiers
Aluminum	mg/kg	7320	7570	3	
Antimony	mg/kg	<3.1	<3.0		

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QUALITY CONTROL DATA

Project: SCA SAND 022020
Pace Project No.: 70252808

SAMPLE DUPLICATE: 1526702

Parameter	Units	70252245002 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/kg	2.6	3.2	19	
Barium	mg/kg	16.3	18.0	10	
Beryllium	mg/kg	<0.26	<0.25		
Cadmium	mg/kg	0.13	0.20	42	D6
Calcium	mg/kg	4100	4540	10	
Chromium	mg/kg	8.6	11.5	29	D6
Cobalt	mg/kg	3.1	3.1	1	
Copper	mg/kg	8.3	7.5	10	
Iron	mg/kg	8860	15200	53	D6
Lead	mg/kg	9.3	11.0	17	
Magnesium	mg/kg	1750	1490	16	
Manganese	mg/kg	87.1	101	15	
Molybdenum	mg/kg	<1.0	0.56J		
Nickel	mg/kg	5.3	6.2	17	
Potassium	mg/kg	322	324	1	
Selenium	mg/kg	<0.52	0.53		
Silver	mg/kg	<0.52	<0.50		
Sodium	mg/kg	298	274	8	
Thallium	mg/kg	<0.52	<0.50		
Vanadium	mg/kg	22.9	19.4	17	
Zinc	mg/kg	29.2	33.9	15	

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QUALITY CONTROL DATA

Project: SCA SAND 022020
Pace Project No.: 70252808

QC Batch: 301768
QC Batch Method: EPA 5035A-L
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV 5035A-L Low Level
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70252808001

METHOD BLANK: 1529100 Matrix: Solid
Associated Lab Samples: 70252808001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.0	2.0	04/19/23 09:43	
1,1,1-Trichloroethane	ug/kg	<2.0	2.0	04/19/23 09:43	
1,1,2,2-Tetrachloroethane	ug/kg	<2.0	2.0	04/19/23 09:43	
1,1,2-Trichloroethane	ug/kg	<2.0	2.0	04/19/23 09:43	
1,1,2-Trichlorotrifluoroethane	ug/kg	<2.0	2.0	04/19/23 09:43	
1,1-Dichloroethane	ug/kg	<2.0	2.0	04/19/23 09:43	
1,1-Dichloroethene	ug/kg	<2.0	2.0	04/19/23 09:43	
1,1-Dichloropropene	ug/kg	<2.0	2.0	04/19/23 09:43	
1,2,3-Trichlorobenzene	ug/kg	<2.0	2.0	04/19/23 09:43	
1,2,3-Trichloropropane	ug/kg	<2.0	2.0	04/19/23 09:43	
1,2,4,5-tetramethylbenzene	ug/kg	<2.0	2.0	04/19/23 09:43	N3
1,2,4-Trichlorobenzene	ug/kg	<2.0	2.0	04/19/23 09:43	
1,2,4-Trimethylbenzene	ug/kg	<2.0	2.0	04/19/23 09:43	
1,2-Dibromo-3-chloropropane	ug/kg	<2.0	2.0	04/19/23 09:43	
1,2-Dibromoethane (EDB)	ug/kg	<2.0	2.0	04/19/23 09:43	
1,2-Dichlorobenzene	ug/kg	<2.0	2.0	04/19/23 09:43	
1,2-Dichloroethane	ug/kg	<2.0	2.0	04/19/23 09:43	
1,2-Dichloropropane	ug/kg	<2.0	2.0	04/19/23 09:43	
1,3,5-Trimethylbenzene	ug/kg	<2.0	2.0	04/19/23 09:43	
1,3-Dichlorobenzene	ug/kg	<2.0	2.0	04/19/23 09:43	
1,3-Dichloropropane	ug/kg	<2.0	2.0	04/19/23 09:43	
1,4-Dichlorobenzene	ug/kg	<2.0	2.0	04/19/23 09:43	
1,4-Dioxane (p-Dioxane)	ug/kg	<49.5	49.5	04/19/23 09:43	
2,2-Dichloropropane	ug/kg	<2.0	2.0	04/19/23 09:43	
2-Butanone (MEK)	ug/kg	<2.0	2.0	04/19/23 09:43	
2-Chlorotoluene	ug/kg	<2.0	2.0	04/19/23 09:43	
4-Chlorotoluene	ug/kg	<2.0	2.0	04/19/23 09:43	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.0	2.0	04/19/23 09:43	
Acetone	ug/kg	6.0	2.0	04/19/23 09:43	C9,v3
Benzene	ug/kg	<2.0	2.0	04/19/23 09:43	
Bromobenzene	ug/kg	<2.0	2.0	04/19/23 09:43	
Bromochloromethane	ug/kg	<2.0	2.0	04/19/23 09:43	
Bromodichloromethane	ug/kg	<2.0	2.0	04/19/23 09:43	
Bromoform	ug/kg	<2.0	2.0	04/19/23 09:43	
Bromomethane	ug/kg	<2.0	2.0	04/19/23 09:43	v3
Carbon tetrachloride	ug/kg	<2.0	2.0	04/19/23 09:43	
Chlorobenzene	ug/kg	<2.0	2.0	04/19/23 09:43	
Chlorodifluoromethane	ug/kg	<2.0	2.0	04/19/23 09:43	N3,v3
Chloroethane	ug/kg	<2.0	2.0	04/19/23 09:43	v3
Chloroform	ug/kg	<2.0	2.0	04/19/23 09:43	

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QUALITY CONTROL DATA

Project: SCA SAND 022020
Pace Project No.: 70252808

METHOD BLANK: 1529100 Matrix: Solid
Associated Lab Samples: 70252808001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	ug/kg	<2.0	2.0	04/19/23 09:43	v3
cis-1,2-Dichloroethene	ug/kg	<2.0	2.0	04/19/23 09:43	
cis-1,3-Dichloropropene	ug/kg	<2.0	2.0	04/19/23 09:43	
Dibromochloromethane	ug/kg	<2.0	2.0	04/19/23 09:43	
Dibromomethane	ug/kg	<2.0	2.0	04/19/23 09:43	
Dichlorodifluoromethane	ug/kg	<2.0	2.0	04/19/23 09:43	
Ethylbenzene	ug/kg	<2.0	2.0	04/19/23 09:43	
Hexachloro-1,3-butadiene	ug/kg	<2.0	2.0	04/19/23 09:43	
Isopropylbenzene (Cumene)	ug/kg	<2.0	2.0	04/19/23 09:43	
m&p-Xylene	ug/kg	<4.0	4.0	04/19/23 09:43	
Methyl-tert-butyl ether	ug/kg	<2.0	2.0	04/19/23 09:43	
Methylene Chloride	ug/kg	<2.0	2.0	04/19/23 09:43	
n-Butylbenzene	ug/kg	<2.0	2.0	04/19/23 09:43	
n-Propylbenzene	ug/kg	<2.0	2.0	04/19/23 09:43	
Naphthalene	ug/kg	<2.0	2.0	04/19/23 09:43	
o-Xylene	ug/kg	<2.0	2.0	04/19/23 09:43	
p-Isopropyltoluene	ug/kg	<2.0	2.0	04/19/23 09:43	
sec-Butylbenzene	ug/kg	<2.0	2.0	04/19/23 09:43	
Styrene	ug/kg	<2.0	2.0	04/19/23 09:43	
tert-Butylbenzene	ug/kg	<2.0	2.0	04/19/23 09:43	
Tetrachloroethene	ug/kg	<2.0	2.0	04/19/23 09:43	
Toluene	ug/kg	<2.0	2.0	04/19/23 09:43	
trans-1,2-Dichloroethene	ug/kg	<2.0	2.0	04/19/23 09:43	
trans-1,3-Dichloropropene	ug/kg	<2.0	2.0	04/19/23 09:43	
Trichloroethene	ug/kg	<2.0	2.0	04/19/23 09:43	
Trichlorofluoromethane	ug/kg	<2.0	2.0	04/19/23 09:43	
Vinyl chloride	ug/kg	<2.0	2.0	04/19/23 09:43	v3
Xylene (Total)	ug/kg	<4.0	4.0	04/19/23 09:43	
1,2-Dichloroethane-d4 (S)	%	101	82-112	04/19/23 09:43	
4-Bromofluorobenzene (S)	%	106	75-144	04/19/23 09:43	
Toluene-d8 (S)	%	100	86-154	04/19/23 09:43	

LABORATORY CONTROL SAMPLE: 1529101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50.2	61.0	121	53-165	
1,1,1-Trichloroethane	ug/kg	50.2	53.6	107	70-121	
1,1,2,2-Tetrachloroethane	ug/kg	50.2	55.9	111	68-142	
1,1,2-Trichloroethane	ug/kg	50.2	56.4	112	75-148	
1,1,2-Trichlorotrifluoroethane	ug/kg	50.2	47.0	94	45-132	
1,1-Dichloroethane	ug/kg	50.2	50.7	101	73-119	
1,1-Dichloroethene	ug/kg	50.2	47.3	94	54-118	
1,1-Dichloropropene	ug/kg	50.2	53.0	106	64-126	
1,2,3-Trichlorobenzene	ug/kg	50.2	62.8	125	59-145	

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QUALITY CONTROL DATA

Project: SCA SAND 022020
Pace Project No.: 70252808

LABORATORY CONTROL SAMPLE: 1529101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/kg	50.2	59.2	118	62-139	
1,2,4,5-tetramethylbenzene	ug/kg	50.2	57.8	115	77-130	N3
1,2,4-Trichlorobenzene	ug/kg	50.2	62.1	124	75-142	
1,2,4-Trimethylbenzene	ug/kg	50.2	55.7	111	75-136	
1,2-Dibromo-3-chloropropane	ug/kg	50.2	57.6	115	56-134	
1,2-Dibromoethane (EDB)	ug/kg	50.2	61.1	122	77-143	
1,2-Dichlorobenzene	ug/kg	50.2	58.6	117	79-139	
1,2-Dichloroethane	ug/kg	50.2	54.5	109	73-125	
1,2-Dichloropropane	ug/kg	50.2	54.2	108	79-134	
1,3,5-Trimethylbenzene	ug/kg	50.2	54.8	109	74-136	
1,3-Dichlorobenzene	ug/kg	50.2	58.2	116	80-138	
1,3-Dichloropropane	ug/kg	50.2	62.1	124	68-148	
1,4-Dichlorobenzene	ug/kg	50.2	60.3	120	80-136	
1,4-Dioxane (p-Dioxane)	ug/kg	1260	1560	124	30-163	
2,2-Dichloropropane	ug/kg	50.2	53.8	107	59-132	
2-Butanone (MEK)	ug/kg	50.2	45.7	91	18-190	
2-Chlorotoluene	ug/kg	50.2	54.0	107	70-134	
4-Chlorotoluene	ug/kg	50.2	54.7	109	72-133	
4-Methyl-2-pentanone (MIBK)	ug/kg	50.2	48.0	96	66-138	
Acetone	ug/kg	50.2	49.4	99	21-162	v3
Benzene	ug/kg	50.2	53.2	106	74-124	
Bromobenzene	ug/kg	50.2	58.5	117	71-137	
Bromochloromethane	ug/kg	50.2	58.6	117	74-128	
Bromodichloromethane	ug/kg	50.2	55.6	111	81-131	
Bromoform	ug/kg	50.2	66.3	132	56-164	
Bromomethane	ug/kg	50.2	39.9	79	10-160	v3
Carbon tetrachloride	ug/kg	50.2	54.5	108	59-135	
Chlorobenzene	ug/kg	50.2	61.5	123	73-138	
Chlorodifluoromethane	ug/kg	50.2	37.8	75	34-140	N3,v3
Chloroethane	ug/kg	50.2	39.7	79	59-119	v3
Chloroform	ug/kg	50.2	53.6	107	76-125	
Chloromethane	ug/kg	50.2	30.4	61	33-141	v3
cis-1,2-Dichloroethene	ug/kg	50.2	54.9	109	72-132	
cis-1,3-Dichloropropene	ug/kg	50.2	56.7	113	76-144	
Dibromochloromethane	ug/kg	50.2	62.0	123	71-148	
Dibromomethane	ug/kg	50.2	58.9	117	70-136	
Dichlorodifluoromethane	ug/kg	50.2	39.0	78	10-116	
Ethylbenzene	ug/kg	50.2	59.6	119	73-134	
Hexachloro-1,3-butadiene	ug/kg	50.2	60.4	120	64-127	
Isopropylbenzene (Cumene)	ug/kg	50.2	54.6	109	68-122	
m&p-Xylene	ug/kg	100	120	119	71-136	
Methyl-tert-butyl ether	ug/kg	50.2	54.3	108	65-122	
Methylene Chloride	ug/kg	50.2	48.9	97	66-124	
n-Butylbenzene	ug/kg	50.2	55.1	110	70-121	
n-Propylbenzene	ug/kg	50.2	54.7	109	68-124	
Naphthalene	ug/kg	50.2	59.2	118	64-123	
o-Xylene	ug/kg	50.2	59.7	119	73-134	

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QUALITY CONTROL DATA

Project: SCA SAND 022020
Pace Project No.: 70252808

LABORATORY CONTROL SAMPLE: 1529101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/kg	50.2	56.4	112	68-120	
sec-Butylbenzene	ug/kg	50.2	55.6	111	68-120	
Styrene	ug/kg	50.2	60.6	121	74-142	
tert-Butylbenzene	ug/kg	50.2	57.2	114	67-124	
Tetrachloroethene	ug/kg	50.2	48.6	97	64-142	
Toluene	ug/kg	50.2	55.2	110	77-129	
trans-1,2-Dichloroethene	ug/kg	50.2	50.6	101	69-125	
trans-1,3-Dichloropropene	ug/kg	50.2	59.3	118	74-142	
Trichloroethene	ug/kg	50.2	54.8	109	70-128	
Trichlorofluoromethane	ug/kg	50.2	44.6	89	48-115	
Vinyl chloride	ug/kg	50.2	36.9	73	44-124	v3
Xylene (Total)	ug/kg	151	179	119	72-135	
1,2-Dichloroethane-d4 (S)	%			98	82-112	
4-Bromofluorobenzene (S)	%			104	75-144	
Toluene-d8 (S)	%			101	86-154	

MATRIX SPIKE SAMPLE: 1529102

Parameter	Units	70252942007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<0.90	53.7	56.9	106	59-131	
1,1,1-Trichloroethane	ug/kg	<1.4	53.7	56.2	105	56-127	
1,1,2,2-Tetrachloroethane	ug/kg	<0.88	53.7	47.2	88	23-156	
1,1,2-Trichloroethane	ug/kg	<1.2	53.7	47.2	88	40-133	
1,1,2-Trichlorotrifluoroethane	ug/kg	<1.6	53.7	52.0	97	52-130	
1,1-Dichloroethane	ug/kg	<1.3	53.7	51.4	96	57-127	
1,1-Dichloroethene	ug/kg	<1.3	53.7	51.7	96	57-128	
1,1-Dichloropropene	ug/kg	<1.2	53.7	55.6	103	58-129	
1,2,3-Trichlorobenzene	ug/kg	<1.4	53.7	56.3	105	10-138	
1,2,3-Trichloropropane	ug/kg	<0.99	53.7	47.9	89	26-161	
1,2,4,5-tetramethylbenzene	ug/kg	<0.79	53.7	57.6	107	31-150	N3
1,2,4-Trichlorobenzene	ug/kg	<1.2	53.7	57.4	107	14-140	
1,2,4-Trimethylbenzene	ug/kg	<1.4	53.7	56.5	105	29-160	
1,2-Dibromo-3-chloropropane	ug/kg	<0.82	53.7	50.5	94	33-129	
1,2-Dibromoethane (EDB)	ug/kg	<0.78	53.7	51.1	95	43-133	
1,2-Dichlorobenzene	ug/kg	<0.92	53.7	56.1	104	56-123	
1,2-Dichloroethane	ug/kg	<1.2	53.7	50.3	94	47-121	
1,2-Dichloropropane	ug/kg	<1.0	53.7	52.0	97	58-131	
1,3,5-Trimethylbenzene	ug/kg	<1.1	53.7	57.4	107	47-143	
1,3-Dichlorobenzene	ug/kg	<0.94	53.7	57.6	107	56-128	
1,3-Dichloropropane	ug/kg	<0.83	53.7	52.2	97	57-119	
1,4-Dichlorobenzene	ug/kg	<1.0	53.7	58.2	108	56-125	
1,4-Dioxane (p-Dioxane)	ug/kg	<47.0	1350	1500	112	21-133	
2,2-Dichloropropane	ug/kg	<1.7	53.7	59.5	111	49-133	
2-Butanone (MEK)	ug/kg	<1.2	53.7	37.0	69	15-148	
2-Chlorotoluene	ug/kg	<1.2	53.7	56.2	104	60-138	

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QUALITY CONTROL DATA

Project: SCA SAND 022020
Pace Project No.: 70252808

MATRIX SPIKE SAMPLE: 1529102

Parameter	Units	70252942007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
4-Chlorotoluene	ug/kg	<1.2	53.7	56.4	105	56-134	
4-Methyl-2-pentanone (MIBK)	ug/kg	<1.4	53.7	40.0	74	21-148	
Acetone	ug/kg	13.7	53.7	38.9	47	10-200	v3
Benzene	ug/kg	<1.1	53.7	51.7	96	61-131	
Bromobenzene	ug/kg	<0.63	53.7	58.1	108	64-131	
Bromochloromethane	ug/kg	<0.76	53.7	52.3	97	54-124	
Bromodichloromethane	ug/kg	<1.0	53.7	52.7	98	53-130	
Bromoform	ug/kg	<1.3	53.7	52.5	98	39-135	
Bromomethane	ug/kg	<0.98	53.7	40.0	74	14-148	v3
Carbon tetrachloride	ug/kg	<1.7	53.7	56.8	106	52-134	
Chlorobenzene	ug/kg	<0.84	53.7	58.5	109	60-129	
Chlorodifluoromethane	ug/kg	<0.85	53.7	41.6	77	32-135	N3,v3
Chloroethane	ug/kg	<1.6	53.7	40.8	76	13-159	v3
Chloroform	ug/kg	<1.1	53.7	54.1	101	60-126	
Chloromethane	ug/kg	<0.97	53.7	30.7	57	27-142	v3
cis-1,2-Dichloroethene	ug/kg	<1.2	53.7	55.0	102	60-126	
cis-1,3-Dichloropropene	ug/kg	<0.78	53.7	52.8	98	49-137	
Dibromochloromethane	ug/kg	<0.75	53.7	53.9	100	53-132	
Dibromomethane	ug/kg	<0.72	53.7	49.2	92	48-123	
Dichlorodifluoromethane	ug/kg	<0.91	53.7	42.3	79	10-131	
Ethylbenzene	ug/kg	<0.92	53.7	58.7	109	56-142	
Hexachloro-1,3-butadiene	ug/kg	<1.1	53.7	62.0	115	10-160	
Isopropylbenzene (Cumene)	ug/kg	<1.3	53.7	57.9	108	50-146	
m&p-Xylene	ug/kg	<2.5	107	119	111	60-134	
Methyl-tert-butyl ether	ug/kg	<1.9	53.7	46.8	87	44-119	
Methylene Chloride	ug/kg	<1.8	53.7	46.2	86	53-115	
n-Butylbenzene	ug/kg	<1.1	53.7	57.9	108	30-148	
n-Propylbenzene	ug/kg	<1.2	53.7	57.4	107	43-149	
Naphthalene	ug/kg	<0.95	53.7	51.2	95	19-134	
o-Xylene	ug/kg	<0.79	53.7	59.3	110	55-137	
p-Isopropyltoluene	ug/kg	<1.1	53.7	59.2	110	40-143	
sec-Butylbenzene	ug/kg	<1.1	53.7	58.8	109	39-147	
Styrene	ug/kg	<1.1	53.7	58.0	108	53-134	
tert-Butylbenzene	ug/kg	<1.5	53.7	60.5	113	54-138	
Tetrachloroethene	ug/kg	<0.60	53.7	49.2	91	36-180	
Toluene	ug/kg	<0.91	53.7	55.5	103	54-141	
trans-1,2-Dichloroethene	ug/kg	<1.5	53.7	51.2	95	60-124	
trans-1,3-Dichloropropene	ug/kg	<0.73	53.7	53.2	99	42-133	
Trichloroethene	ug/kg	<0.83	53.7	54.1	101	61-129	
Trichlorofluoromethane	ug/kg	<1.4	53.7	50.2	93	50-121	
Vinyl chloride	ug/kg	<0.98	53.7	38.5	72	44-127	v3
Xylene (Total)	ug/kg	<0.79	162	178	110	51-143	
1,2-Dichloroethane-d4 (S)	%				86	82-112	
4-Bromofluorobenzene (S)	%				101	75-144	
Toluene-d8 (S)	%				99	86-154	

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QUALITY CONTROL DATA

Project: SCA SAND 022020
Pace Project No.: 70252808

SAMPLE DUPLICATE: 1529103

Parameter	Units	70252942008 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<0.82	<2.2		
1,1,1-Trichloroethane	ug/kg	<1.3	<2.2		
1,1,2,2-Tetrachloroethane	ug/kg	<0.80	<2.2		
1,1,2-Trichloroethane	ug/kg	<1.1	<2.2		
1,1,2-Trichlorotrifluoroethane	ug/kg	<1.4	<2.2		
1,1-Dichloroethane	ug/kg	<1.2	<2.2		
1,1-Dichloroethene	ug/kg	<1.2	<2.2		
1,1-Dichloropropene	ug/kg	<1.1	<2.2		
1,2,3-Trichlorobenzene	ug/kg	<1.2	<2.2		
1,2,3-Trichloropropane	ug/kg	<0.90	<2.2		
1,2,4,5-tetramethylbenzene	ug/kg	<0.72	<2.2		N3
1,2,4-Trichlorobenzene	ug/kg	<1.1	<2.2		
1,2,4-Trimethylbenzene	ug/kg	<1.2	<2.2		
1,2-Dibromo-3-chloropropane	ug/kg	<0.75	<2.2		
1,2-Dibromoethane (EDB)	ug/kg	<0.71	<2.2		
1,2-Dichlorobenzene	ug/kg	<0.84	<2.2		
1,2-Dichloroethane	ug/kg	<1.1	<2.2		
1,2-Dichloropropane	ug/kg	<0.90	<2.2		
1,3,5-Trimethylbenzene	ug/kg	<1.0	<2.2		
1,3-Dichlorobenzene	ug/kg	<0.85	<2.2		
1,3-Dichloropropane	ug/kg	<0.75	<2.2		
1,4-Dichlorobenzene	ug/kg	<0.94	<2.2		
1,4-Dioxane (p-Dioxane)	ug/kg	<42.8	<55.0		
2,2-Dichloropropane	ug/kg	<1.6	<2.2		
2-Butanone (MEK)	ug/kg	<1.1	<2.2		
2-Chlorotoluene	ug/kg	<1.1	<2.2		
4-Chlorotoluene	ug/kg	<1.1	<2.2		
4-Methyl-2-pentanone (MIBK)	ug/kg	<1.3	<2.2		
Acetone	ug/kg	31.8	28.7	11	C9,v3
Benzene	ug/kg	<1.0	<2.2		
Bromobenzene	ug/kg	<0.58	<2.2		
Bromochloromethane	ug/kg	<0.70	<2.2		
Bromodichloromethane	ug/kg	<0.94	<2.2		
Bromoform	ug/kg	<1.2	<2.2		
Bromomethane	ug/kg	<0.89	<2.2		v3
Carbon tetrachloride	ug/kg	<1.5	<2.2		
Chlorobenzene	ug/kg	<0.76	<2.2		
Chlorodifluoromethane	ug/kg	<0.77	<2.2		N3,v3
Chloroethane	ug/kg	<1.4	<2.2		v3
Chloroform	ug/kg	<1.0	<2.2		
Chloromethane	ug/kg	<0.88	<2.2		v3
cis-1,2-Dichloroethene	ug/kg	<1.1	<2.2		
cis-1,3-Dichloropropene	ug/kg	<0.71	<2.2		
Dibromochloromethane	ug/kg	<0.68	<2.2		
Dibromomethane	ug/kg	<0.65	<2.2		
Dichlorodifluoromethane	ug/kg	<0.83	<2.2		
Ethylbenzene	ug/kg	<0.84	<2.2		

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QUALITY CONTROL DATA

Project: SCA SAND 022020
Pace Project No.: 70252808

SAMPLE DUPLICATE: 1529103

Parameter	Units	70252942008 Result	Dup Result	RPD	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<1.0	<2.2		
Isopropylbenzene (Cumene)	ug/kg	<1.2	<2.2		
m&p-Xylene	ug/kg	<2.3	<4.4		
Methyl-tert-butyl ether	ug/kg	<1.8	<2.2		
Methylene Chloride	ug/kg	<1.7	<2.2		
n-Butylbenzene	ug/kg	<1.0	<2.2		
n-Propylbenzene	ug/kg	<1.1	<2.2		
Naphthalene	ug/kg	<0.87	<2.2		
o-Xylene	ug/kg	<0.72	<2.2		
p-Isopropyltoluene	ug/kg	<1.0	<2.2		
sec-Butylbenzene	ug/kg	<1.0	<2.2		
Styrene	ug/kg	<0.98	<2.2		
tert-Butylbenzene	ug/kg	<1.3	<2.2		
Tetrachloroethene	ug/kg	<0.54	<2.2		
Toluene	ug/kg	<0.83	<2.2		
trans-1,2-Dichloroethene	ug/kg	<1.3	<2.2		
trans-1,3-Dichloropropene	ug/kg	<0.66	<2.2		
Trichloroethene	ug/kg	<0.76	<2.2		
Trichlorofluoromethane	ug/kg	<1.2	<2.2		
Vinyl chloride	ug/kg	<0.89	<2.2		v3
Xylene (Total)	ug/kg	<0.72	<4.4		
1,2-Dichloroethane-d4 (S)	%	107	100		
4-Bromofluorobenzene (S)	%	103	101		
Toluene-d8 (S)	%	96	97		

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QUALITY CONTROL DATA

Project: SCA SAND 022020
Pace Project No.: 70252808

QC Batch: 301270
QC Batch Method: EPA 8151A
Analysis Method: EPA 8151A
Analysis Description: 8151 GCS Herbicides
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70252808001

METHOD BLANK: 1526657 Matrix: Solid
Associated Lab Samples: 70252808001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	ug/kg	<5.0	5.0	04/20/23 14:43	
2,4-DCAA (S)	%	81	10-157	04/20/23 14:43	

LABORATORY CONTROL SAMPLE: 1526658

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	ug/kg	20.1	11.2	56	14-139	
2,4-DCAA (S)	%			66	10-157	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1526659 1526660

Parameter	Units	70252912018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2,4,5-TP (Silvex)	ug/kg	<5.2	20.9	20.9	11.8	13.1	57	63	10-167	10	
2,4-DCAA (S)	%						69	73	10-157		

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QUALITY CONTROL DATA

Project: SCA SAND 022020
Pace Project No.: 70252808

QC Batch: 301131
QC Batch Method: EPA 3545A
Analysis Method: EPA 8270E
Analysis Description: 8270E Solid MSSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70252808001

METHOD BLANK: 1525644 Matrix: Solid
Associated Lab Samples: 70252808001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2-Methylphenol(o-Cresol)	ug/kg	<67.0	67.0	04/14/23 21:04	
3&4-Methylphenol(m&p Cresol)	ug/kg	<67.0	67.0	04/14/23 21:04	
Acenaphthene	ug/kg	<67.0	67.0	04/14/23 21:04	
Acenaphthylene	ug/kg	<67.0	67.0	04/14/23 21:04	
Anthracene	ug/kg	<67.0	67.0	04/14/23 21:04	
Benzo(a)anthracene	ug/kg	<67.0	67.0	04/14/23 21:04	
Benzo(a)pyrene	ug/kg	<67.0	67.0	04/14/23 21:04	
Benzo(b)fluoranthene	ug/kg	<67.0	67.0	04/14/23 21:04	
Benzo(g,h,i)perylene	ug/kg	<67.0	67.0	04/14/23 21:04	
Benzo(k)fluoranthene	ug/kg	<67.0	67.0	04/14/23 21:04	
Chrysene	ug/kg	<67.0	67.0	04/14/23 21:04	
Dibenz(a,h)anthracene	ug/kg	<67.0	67.0	04/14/23 21:04	
Dibenzofuran	ug/kg	<67.0	67.0	04/14/23 21:04	
Fluoranthene	ug/kg	<67.0	67.0	04/14/23 21:04	
Fluorene	ug/kg	<67.0	67.0	04/14/23 21:04	
Hexachlorobenzene	ug/kg	<67.0	67.0	04/14/23 21:04	
Indeno(1,2,3-cd)pyrene	ug/kg	<67.0	67.0	04/14/23 21:04	
Naphthalene	ug/kg	<67.0	67.0	04/14/23 21:04	
Pentachlorophenol	ug/kg	<670	670	04/14/23 21:04	
Phenanthrene	ug/kg	<67.0	67.0	04/14/23 21:04	
Phenol	ug/kg	<67.0	67.0	04/14/23 21:04	
Pyrene	ug/kg	<67.0	67.0	04/14/23 21:04	
1,2-Dichlorobenzene-d4 (S)	%	51	14-79	04/14/23 21:04	
2,4,6-Tribromophenol (S)	%	73	28-112	04/14/23 21:04	
2-Chlorophenol-d4 (S)	%	59	27-84	04/14/23 21:04	
2-Fluorobiphenyl (S)	%	62	35-92	04/14/23 21:04	
2-Fluorophenol (S)	%	62	26-86	04/14/23 21:04	
Nitrobenzene-d5 (S)	%	58	30-84	04/14/23 21:04	
p-Terphenyl-d14 (S)	%	74	46-107	04/14/23 21:04	
Phenol-d5 (S)	%	70	30-88	04/14/23 21:04	

LABORATORY CONTROL SAMPLE: 1525645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylphenol(o-Cresol)	ug/kg	1670	611	37	30-98	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	637	38	30-106	
Acenaphthene	ug/kg	1670	656	39	33-93	
Acenaphthylene	ug/kg	1670	679	41	36-97	
Anthracene	ug/kg	1670	703	42	38-101	

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QUALITY CONTROL DATA

Project: SCA SAND 022020
Pace Project No.: 70252808

LABORATORY CONTROL SAMPLE: 1525645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(a)anthracene	ug/kg	1670	725	44	36-103	
Benzo(a)pyrene	ug/kg	1670	674	40	38-104	
Benzo(b)fluoranthene	ug/kg	1670	655	39	34-104	
Benzo(g,h,i)perylene	ug/kg	1670	680	41	27-116	
Benzo(k)fluoranthene	ug/kg	1670	645	39	38-106	
Chrysene	ug/kg	1670	715	43	38-103	
Dibenz(a,h)anthracene	ug/kg	1670	681	41	29-114	
Dibenzofuran	ug/kg	1670	679	41	36-103	
Fluoranthene	ug/kg	1670	694	42	38-103	
Fluorene	ug/kg	1670	704	42	33-99	
Hexachlorobenzene	ug/kg	1670	674	40	34-112	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	679	41	28-110	
Naphthalene	ug/kg	1670	596	36	32-91	
Pentachlorophenol	ug/kg	1670	422J	25	15-107	
Phenanthrene	ug/kg	1670	707	42	37-102	
Phenol	ug/kg	1670	712	43	25-98	
Pyrene	ug/kg	1670	677	41	36-103	
1,2-Dichlorobenzene-d4 (S)	%			35	14-79	
2,4,6-Tribromophenol (S)	%			48	28-112	
2-Chlorophenol-d4 (S)	%			39	27-84	
2-Fluorobiphenyl (S)	%			40	35-92	
2-Fluorophenol (S)	%			43	26-86	
Nitrobenzene-d5 (S)	%			39	30-84	
p-Terphenyl-d14 (S)	%			44	46-107	S0
Phenol-d5 (S)	%			50	30-88	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1525977 1525978

Parameter	Units	70252808001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2-Methylphenol(o-Cresol)	ug/kg	<68.6	1710	1710	1020	1290	59	76	16-102	24	
3&4-Methylphenol(m&p Cresol)	ug/kg	<68.6	1710	1710	1050	1160	61	68	22-98	10	
Acenaphthene	ug/kg	<68.6	1710	1710	1170	1300	69	76	25-114	10	
Acenaphthylene	ug/kg	<68.6	1710	1710	1180	1330	69	78	44-98	12	
Anthracene	ug/kg	<68.6	1710	1710	1290	1370	75	80	20-124	6	
Benzo(a)anthracene	ug/kg	<68.6	1710	1710	1370	1290	80	76	18-123	5	
Benzo(a)pyrene	ug/kg	<68.6	1710	1710	1330	1330	78	78	14-125	1	
Benzo(b)fluoranthene	ug/kg	<68.6	1710	1710	1280	1270	75	74	13-131	1	
Benzo(g,h,i)perylene	ug/kg	<68.6	1710	1710	1350	1250	79	73	10-130	7	
Benzo(k)fluoranthene	ug/kg	<68.6	1710	1710	1280	1240	75	73	26-123	3	
Chrysene	ug/kg	<68.6	1710	1710	1390	1290	81	75	18-111	8	
Dibenz(a,h)anthracene	ug/kg	<68.6	1710	1710	1360	1180	79	69	21-104	14	
Dibenzofuran	ug/kg	<68.6	1710	1710	1200	1330	70	78	21-110	10	
Fluoranthene	ug/kg	<68.6	1710	1710	1310	1310	77	77	12-118	0	

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QUALITY CONTROL DATA

Project: SCA SAND 022020
Pace Project No.: 70252808

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1525977 1525978

Parameter	Units	70252808001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Fluorene	ug/kg	<68.6	1710	1710	1220	1320	71	77	10-117	8	
Hexachlorobenzene	ug/kg	<68.6	1710	1710	1240	1330	72	78	27-102	7	
Indeno(1,2,3-cd)pyrene	ug/kg	<68.6	1710	1710	1300	1230	76	72	10-111	6	
Naphthalene	ug/kg	<68.6	1710	1710	1080	1170	63	68	10-175	8	
Pentachlorophenol	ug/kg	<686	1710	1710	833	860	49	50	10-117	3	
Phenanthrene	ug/kg	<68.6	1710	1710	1330	1380	78	81	11-119	4	
Phenol	ug/kg	<68.6	1710	1710	1150	1300	67	76	10-97	12	
Pyrene	ug/kg	<68.6	1710	1710	1320	1250	77	73	10-129	5	
1,2-Dichlorobenzene-d4 (S)	%						50	61	14-79		
2,4,6-Tribromophenol (S)	%						85	87	28-112		
2-Chlorophenol-d4 (S)	%						62	72	27-84		
2-Fluorobiphenyl (S)	%						65	77	35-92		
2-Fluorophenol (S)	%						67	77	26-86		
Nitrobenzene-d5 (S)	%						64	72	30-84		
p-Terphenyl-d14 (S)	%						82	83	46-107		
Phenol-d5 (S)	%						80	92	30-88		S0

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: SCA SAND 022020
Pace Project No.: 70252808

QC Batch: 301122
QC Batch Method: ASTM D2216-05M
Analysis Method: ASTM D2216-05M
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70252808001

SAMPLE DUPLICATE: 1525614

Parameter	Units	70252643002 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	72.5	71.3	2	

SAMPLE DUPLICATE: 1525615

Parameter	Units	70252655001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	18.3	16.2	12	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SCA SAND 022020
Pace Project No.: 70252808

QC Batch: 301585
QC Batch Method: EPA 3060A
Analysis Method: EPA 7196A
Analysis Description: 7196 Chromium, Hexavalent
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70252808001

METHOD BLANK: 1528195 Matrix: Solid
Associated Lab Samples: 70252808001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/kg	<1.0	1.0	04/18/23 23:47	

LABORATORY CONTROL SAMPLE: 1528196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/kg	109	111	102	65-135	

MATRIX SPIKE SAMPLE: 1528197

Parameter	Units	70252808001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/kg	<1.0	4.1	0.99J	24	85-115	M1

MATRIX SPIKE SAMPLE: 1528198

Parameter	Units	70252808001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/kg	<1.0	995	981	99	85-115	

SAMPLE DUPLICATE: 1528199

Parameter	Units	70252808001 Result	Dup Result	RPD	Qualifiers
Chromium, Hexavalent	mg/kg	<1.0	<1.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: SCA SAND 022020
Pace Project No.: 70252808

QC Batch: 302037
QC Batch Method: EPA 9010C
Analysis Method: EPA 9014 Total Cyanide
Analysis Description: 9014 Total Cyanide
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70252808001

METHOD BLANK: 1530411 Matrix: Solid
Associated Lab Samples: 70252808001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/kg	0.055J	0.10	04/21/23 17:37	

LABORATORY CONTROL SAMPLE: 1530412

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	59.1	47.4	80	31-170	

MATRIX SPIKE SAMPLE: 1530413

Parameter	Units	70252808001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	0.094J	1	1.1	98	75-125	

SAMPLE DUPLICATE: 1530414

Parameter	Units	70252808001 Result	Dup Result	RPD	Qualifiers
Cyanide	mg/kg	0.094J	0.034J		

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REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
516-370-6000

QUALIFIERS

Project: SCA SAND 022020
Pace Project No.: 70252808

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
C9	Common Laboratory Contaminant.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.
S0	Surrogate recovery outside laboratory control limits.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SCA SAND 022020
Pace Project No.: 70252808

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70252808001	**SCA SAND 022020**	EPA 8151A	301270	EPA 8151A	301625
70252808001	**SCA SAND 022020**	EPA 3050B	301286	EPA 6010C	301400
70252808001	**SCA SAND 022020**	EPA 7471B	301274	EPA 7471B	301310
70252808001	**SCA SAND 022020**	EPA 3545A	301131	EPA 8270E	301205
70252808001	**SCA SAND 022020**	EPA 5035A-L	301768	EPA 8260D	301769
70252808001	**SCA SAND 022020**	ASTM D2216-05M	301122		
70252808001	**SCA SAND 022020**	EPA 3060A	301585	EPA 7196A	301598
70252808001	**SCA SAND 022020**	Trivalent Chromium Calculation	302079		
70252808001	**SCA SAND 022020**	EPA 9010C	302037	EPA 9014 Total Cyanide	302108

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY - Affix Workorder Label Here or List Pace Workorder Number or

WO# : 70252808

70252808

Company: Cuyahoga Recycling of Canton	Billing Information:
Address: 27-30 Walkup Blvd Lakeville OH 44638	
Report To:	Email To:
Copy To:	Site Collection Info/Address:
Customer Project Name/Number:	State: / County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print):	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [X] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns
	SL	G	4-13	10:10				3
	SL	G	4-13	10:10	10:15			1

SCA Sm 4/20/23

Container P

LAB

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: Ziploc

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2661742

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: TH149
Cooler 1 Temp Upon Receipt: 3.6 oC
Cooler 1 Therm Corr. Factor: 0.3 oC
Cooler 1 Corrected Temp: 3.3 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 4-13-23 12:10
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 4/13/23 17:20
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

April 24, 2023

Lori A. Beyer
Pace Analytical Services - Long Island, NY
575 Broad Hollow Road
Melville, NY 11747

Project Location: NY
Client Job Number:
Project Number: 70252808
Laboratory Work Order Number: 23D1915

Enclosed are results of analyses for samples as received by the laboratory on April 15, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kaitlyn A. Feliciano
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services - Long Island, NY
575 Broad Hollow Road
Melville, NY 11747
ATTN: Lori A. Beyer

REPORT DATE: 4/24/2023

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 70252808

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23D1915

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SCA SAND 002020	23D1915-01	Soil		SM 2540G SW-846 8081B SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8081B

Qualifications:

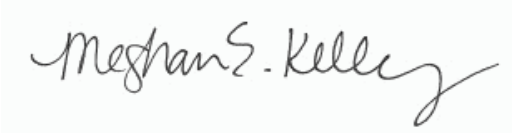
V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

alpha-BHC
B337603-BS1, B337603-BSD1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY | Sample Description: | Work Order: 23D1915

Date Received: 4/15/2023

Field Sample #: SCA SAND 002020 | Sampled: 4/13/2023 10:15

Sample ID: 23D1915-01

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.020	0.0061	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
Aldrin [1]	ND	0.0051	0.00050	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
alpha-BHC [1]	ND	0.0051	0.0028	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
beta-BHC [1]	ND	0.0051	0.0023	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
delta-BHC [1]	ND	0.0051	0.0034	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
gamma-BHC (Lindane) [1]	ND	0.0020	0.00043	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
Chlordane [1]	ND	0.020	0.0072	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
4,4'-DDD [1]	ND	0.0041	0.00045	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
4,4'-DDE [1]	ND	0.0041	0.00048	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
4,4'-DDT [1]	ND	0.0041	0.00043	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
Dieldrin [1]	ND	0.0041	0.00040	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
Endosulfan I [1]	ND	0.0051	0.0025	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
Endosulfan II [1]	ND	0.0082	0.0025	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
Endosulfan sulfate [1]	ND	0.0082	0.0025	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
Endrin [1]	ND	0.0082	0.0025	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
Endrin aldehyde [1]	ND	0.0082	0.0050	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 22:15	JMB
Endrin ketone [1]	ND	0.0082	0.0024	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
Heptachlor [1]	ND	0.0051	0.00050	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
Heptachlor epoxide [1]	ND	0.0051	0.00046	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
Hexachlorobenzene [1]	ND	0.0061	0.0034	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
Methoxychlor [1]	ND	0.051	0.0063	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB
Toxaphene [1]	ND	0.10	0.050	mg/Kg dry	1		SW-846 8081B	4/18/23	4/21/23 16:22	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	66.3	30-150		4/21/23 16:22
Decachlorobiphenyl [2]	78.8	30-150		4/21/23 16:22
Tetrachloro-m-xylene [1]	77.4	30-150		4/21/23 16:22
Tetrachloro-m-xylene [2]	72.6	30-150		4/21/23 16:22

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY | Sample Description: | Work Order: 23D1915

Date Received: 4/15/2023

Field Sample #: SCA SAND 002020 | Sampled: 4/13/2023 10:15

Sample ID: 23D1915-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	0.021	mg/Kg dry	4		SW-846 8082A	4/18/23	4/21/23 1:11	JEA
Aroclor-1221 [1]	ND	0.082	0.044	mg/Kg dry	4		SW-846 8082A	4/18/23	4/21/23 1:11	JEA
Aroclor-1232 [1]	ND	0.082	0.027	mg/Kg dry	4		SW-846 8082A	4/18/23	4/21/23 1:11	JEA
Aroclor-1242 [1]	ND	0.082	0.025	mg/Kg dry	4		SW-846 8082A	4/18/23	4/21/23 1:11	JEA
Aroclor-1248 [1]	ND	0.082	0.021	mg/Kg dry	4		SW-846 8082A	4/18/23	4/21/23 1:11	JEA
Aroclor-1254 [1]	ND	0.082	0.025	mg/Kg dry	4		SW-846 8082A	4/18/23	4/21/23 1:11	JEA
Aroclor-1260 [1]	ND	0.082	0.022	mg/Kg dry	4		SW-846 8082A	4/18/23	4/21/23 1:11	JEA
Aroclor-1262 [1]	ND	0.082	0.024	mg/Kg dry	4		SW-846 8082A	4/18/23	4/21/23 1:11	JEA
Aroclor-1268 [1]	ND	0.082	0.027	mg/Kg dry	4		SW-846 8082A	4/18/23	4/21/23 1:11	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.5	30-150		4/21/23 1:11
Decachlorobiphenyl [2]	101	30-150		4/21/23 1:11
Tetrachloro-m-xylene [1]	84.9	30-150		4/21/23 1:11
Tetrachloro-m-xylene [2]	89.0	30-150		4/21/23 1:11

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Project Location: NY | Sample Description: | Work Order: 23D1915

Date Received: 4/15/2023

Field Sample #: SCA SAND 002020 | Sampled: 4/13/2023 10:15

Sample ID: 23D1915-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.1		% Wt	1		SM 2540G	4/18/23	4/18/23 6:05	WDC

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: % Solids **Analytical Method: SM 2540G**

Lab Number [Field ID]	Batch	Date
23D1915-01 [SCA SAND 002020]	B337462	04/18/23

Prep Method: SW-846 3546 **Analytical Method: SW-846 8081B**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23D1915-01 [SCA SAND 002020]	B337603	10.2	10.0	04/18/23

Prep Method: SW-846 3546 **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23D1915-01 [SCA SAND 002020]	B337602	10.2	10.0	04/18/23

QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B337603 - SW-846 3546										
Blank (B337603-BLK1)				Prepared: 04/18/23 Analyzed: 04/21/23						
alpha-Chlordane	ND	0.0050	mg/Kg wet							
alpha-Chlordane [2C]	ND	0.0050	mg/Kg wet							
gamma-Chlordane	ND	0.0050	mg/Kg wet							
gamma-Chlordane [2C]	ND	0.0050	mg/Kg wet							
Alachlor	ND	0.020	mg/Kg wet							
Alachlor [2C]	ND	0.020	mg/Kg wet							
Aldrin	ND	0.0050	mg/Kg wet							
Aldrin [2C]	ND	0.0050	mg/Kg wet							
alpha-BHC	ND	0.0050	mg/Kg wet							
alpha-BHC [2C]	ND	0.0050	mg/Kg wet							
beta-BHC	ND	0.0050	mg/Kg wet							
beta-BHC [2C]	ND	0.0050	mg/Kg wet							
delta-BHC	ND	0.0050	mg/Kg wet							
delta-BHC [2C]	ND	0.0050	mg/Kg wet							
gamma-BHC (Lindane)	ND	0.0020	mg/Kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0020	mg/Kg wet							
Chlordane	ND	0.020	mg/Kg wet							
Chlordane [2C]	ND	0.020	mg/Kg wet							
4,4'-DDD	ND	0.0040	mg/Kg wet							
4,4'-DDD [2C]	ND	0.0040	mg/Kg wet							
4,4'-DDE	ND	0.0040	mg/Kg wet							
4,4'-DDE [2C]	ND	0.0040	mg/Kg wet							
4,4'-DDT	ND	0.0040	mg/Kg wet							
4,4'-DDT [2C]	ND	0.0040	mg/Kg wet							
Dieldrin	ND	0.0040	mg/Kg wet							
Dieldrin [2C]	ND	0.0040	mg/Kg wet							
Endosulfan I	ND	0.0050	mg/Kg wet							
Endosulfan I [2C]	ND	0.0050	mg/Kg wet							
Endosulfan II	ND	0.0079	mg/Kg wet							
Endosulfan II [2C]	ND	0.0079	mg/Kg wet							
Endosulfan Sulfate	ND	0.0079	mg/Kg wet							
Endosulfan Sulfate [2C]	ND	0.0079	mg/Kg wet							
Endrin	ND	0.0079	mg/Kg wet							
Endrin [2C]	ND	0.0079	mg/Kg wet							
Endrin Aldehyde	ND	0.0079	mg/Kg wet							
Endrin Aldehyde [2C]	ND	0.0079	mg/Kg wet							
Endrin Ketone	ND	0.0079	mg/Kg wet							
Endrin Ketone [2C]	ND	0.0079	mg/Kg wet							
Heptachlor	ND	0.0050	mg/Kg wet							
Heptachlor [2C]	ND	0.0050	mg/Kg wet							
Heptachlor Epoxide	ND	0.0050	mg/Kg wet							
Heptachlor Epoxide [2C]	ND	0.0050	mg/Kg wet							
Hexachlorobenzene	ND	0.0059	mg/Kg wet							
Hexachlorobenzene [2C]	ND	0.0059	mg/Kg wet							
Methoxychlor	ND	0.050	mg/Kg wet							
Methoxychlor [2C]	ND	0.050	mg/Kg wet							
Toxaphene	ND	0.099	mg/Kg wet							
Toxaphene [2C]	ND	0.099	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.130*		mg/Kg wet	0.198		65.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.148*		mg/Kg wet	0.198		74.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.158*		mg/Kg wet	0.198		79.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.143*		mg/Kg wet	0.198		72.1	30-150			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B337603 - SW-846 3546										
LCS (B337603-BS1)				Prepared: 04/18/23 Analyzed: 04/21/23						
alpha-Chlordane	0.080	0.0050	mg/Kg wet	0.100		80.4	40-140			
alpha-Chlordane [2C]	0.070	0.0050	mg/Kg wet	0.100		70.1	40-140			
gamma-Chlordane	0.078	0.0050	mg/Kg wet	0.100		78.0	40-140			
gamma-Chlordane [2C]	0.071	0.0050	mg/Kg wet	0.100		70.6	40-140			
Alachlor	0.065	0.020	mg/Kg wet	0.100		64.9	40-140			
Alachlor [2C]	0.060	0.020	mg/Kg wet	0.100		59.7	40-140			
Aldrin	0.085	0.0050	mg/Kg wet	0.100		85.1	40-140			
Aldrin [2C]	0.071	0.0050	mg/Kg wet	0.100		70.7	40-140			
alpha-BHC	0.080	0.0050	mg/Kg wet	0.100		80.5	40-140			V-06
alpha-BHC [2C]	0.071	0.0050	mg/Kg wet	0.100		71.2	40-140			
beta-BHC	0.069	0.0050	mg/Kg wet	0.100		69.0	40-140			
beta-BHC [2C]	0.064	0.0050	mg/Kg wet	0.100		63.9	40-140			
delta-BHC	0.075	0.0050	mg/Kg wet	0.100		75.1	40-140			
delta-BHC [2C]	0.070	0.0050	mg/Kg wet	0.100		69.6	40-140			
gamma-BHC (Lindane)	0.070	0.0020	mg/Kg wet	0.100		69.9	40-140			
gamma-BHC (Lindane) [2C]	0.071	0.0020	mg/Kg wet	0.100		71.4	40-140			
4,4'-DDD	0.089	0.0040	mg/Kg wet	0.100		89.4	40-140			
4,4'-DDD [2C]	0.077	0.0040	mg/Kg wet	0.100		77.4	40-140			
4,4'-DDE	0.086	0.0040	mg/Kg wet	0.100		85.5	40-140			
4,4'-DDE [2C]	0.067	0.0040	mg/Kg wet	0.100		67.4	40-140			
4,4'-DDT	0.090	0.0040	mg/Kg wet	0.100		90.3	40-140			
4,4'-DDT [2C]	0.071	0.0040	mg/Kg wet	0.100		71.2	40-140			
Dieldrin	0.085	0.0040	mg/Kg wet	0.100		85.3	40-140			
Dieldrin [2C]	0.074	0.0040	mg/Kg wet	0.100		74.4	40-140			
Endosulfan I	0.081	0.0050	mg/Kg wet	0.100		81.1	40-140			
Endosulfan I [2C]	0.070	0.0050	mg/Kg wet	0.100		70.0	40-140			
Endosulfan II	0.081	0.0080	mg/Kg wet	0.100		80.7	40-140			
Endosulfan II [2C]	0.069	0.0080	mg/Kg wet	0.100		69.1	40-140			
Endosulfan Sulfate	0.079	0.0080	mg/Kg wet	0.100		79.4	40-140			
Endosulfan Sulfate [2C]	0.066	0.0080	mg/Kg wet	0.100		65.6	40-140			
Endrin	0.087	0.0080	mg/Kg wet	0.100		87.4	40-140			
Endrin [2C]	0.075	0.0080	mg/Kg wet	0.100		74.6	40-140			
Endrin Aldehyde	0.082	0.0080	mg/Kg wet	0.100		81.9	40-140			
Endrin Aldehyde [2C]	0.068	0.0080	mg/Kg wet	0.100		67.7	40-140			
Endrin Ketone	0.077	0.0080	mg/Kg wet	0.100		77.3	40-140			
Endrin Ketone [2C]	0.069	0.0080	mg/Kg wet	0.100		69.4	40-140			
Heptachlor	0.082	0.0050	mg/Kg wet	0.100		82.1	40-140			
Heptachlor [2C]	0.070	0.0050	mg/Kg wet	0.100		69.6	40-140			
Heptachlor Epoxide	0.084	0.0050	mg/Kg wet	0.100		83.5	40-140			
Heptachlor Epoxide [2C]	0.070	0.0050	mg/Kg wet	0.100		70.0	40-140			
Hexachlorobenzene	0.079	0.0060	mg/Kg wet	0.100		78.7	40-140			
Hexachlorobenzene [2C]	0.068	0.0060	mg/Kg wet	0.100		67.9	40-140			
Methoxychlor	0.085	0.050	mg/Kg wet	0.100		85.2	40-140			
Methoxychlor [2C]	0.069	0.050	mg/Kg wet	0.100		68.8	40-140			
Surrogate: Decachlorobiphenyl	*0.133*		mg/Kg wet	0.200		66.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.149*		mg/Kg wet	0.200		74.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.164*		mg/Kg wet	0.200		81.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.146*		mg/Kg wet	0.200		72.8	30-150			

QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B337603 - SW-846 3546										
LCS Dup (B337603-BSD1)				Prepared: 04/18/23 Analyzed: 04/21/23						
alpha-Chlordane	0.083	0.0050	mg/Kg wet	0.0990		83.8	40-140	3.11	30	
alpha-Chlordane [2C]	0.073	0.0050	mg/Kg wet	0.0990		74.2	40-140	4.62	30	
gamma-Chlordane	0.079	0.0050	mg/Kg wet	0.0990		79.8	40-140	1.19	30	
gamma-Chlordane [2C]	0.074	0.0050	mg/Kg wet	0.0990		74.8	40-140	4.90	30	
Alachlor	0.067	0.020	mg/Kg wet	0.0990		67.3	40-140	2.61	30	
Alachlor [2C]	0.062	0.020	mg/Kg wet	0.0990		62.6	40-140	3.76	30	
Aldrin	0.083	0.0050	mg/Kg wet	0.0990		83.9	40-140	2.45	30	
Aldrin [2C]	0.073	0.0050	mg/Kg wet	0.0990		74.0	40-140	3.53	30	
alpha-BHC	0.074	0.0050	mg/Kg wet	0.0990		74.9	40-140	8.23	30	V-06
alpha-BHC [2C]	0.069	0.0050	mg/Kg wet	0.0990		69.8	40-140	3.05	30	
beta-BHC	0.067	0.0050	mg/Kg wet	0.0990		67.3	40-140	3.43	30	
beta-BHC [2C]	0.065	0.0050	mg/Kg wet	0.0990		65.7	40-140	1.71	30	
delta-BHC	0.073	0.0050	mg/Kg wet	0.0990		73.6	40-140	3.06	30	
delta-BHC [2C]	0.071	0.0050	mg/Kg wet	0.0990		72.0	40-140	2.40	30	
gamma-BHC (Lindane)	0.065	0.0020	mg/Kg wet	0.0990		65.4	40-140	7.75	30	
gamma-BHC (Lindane) [2C]	0.070	0.0020	mg/Kg wet	0.0990		71.0	40-140	1.63	30	
4,4'-DDD	0.094	0.0040	mg/Kg wet	0.0990		95.3	40-140	5.37	30	
4,4'-DDD [2C]	0.082	0.0040	mg/Kg wet	0.0990		82.5	40-140	5.37	30	
4,4'-DDE	0.090	0.0040	mg/Kg wet	0.0990		90.9	40-140	5.12	30	
4,4'-DDE [2C]	0.074	0.0040	mg/Kg wet	0.0990		74.6	40-140	9.23	30	
4,4'-DDT	0.095	0.0040	mg/Kg wet	0.0990		96.0	40-140	5.13	30	
4,4'-DDT [2C]	0.078	0.0040	mg/Kg wet	0.0990		79.1	40-140	9.53	30	
Dieldrin	0.086	0.0040	mg/Kg wet	0.0990		87.2	40-140	1.21	30	
Dieldrin [2C]	0.078	0.0040	mg/Kg wet	0.0990		78.6	40-140	4.51	30	
Endosulfan I	0.082	0.0050	mg/Kg wet	0.0990		82.3	40-140	0.521	30	
Endosulfan I [2C]	0.073	0.0050	mg/Kg wet	0.0990		74.0	40-140	4.61	30	
Endosulfan II	0.084	0.0079	mg/Kg wet	0.0990		84.6	40-140	3.73	30	
Endosulfan II [2C]	0.073	0.0079	mg/Kg wet	0.0990		74.2	40-140	6.20	30	
Endosulfan Sulfate	0.085	0.0079	mg/Kg wet	0.0990		85.9	40-140	6.78	30	
Endosulfan Sulfate [2C]	0.071	0.0079	mg/Kg wet	0.0990		71.6	40-140	7.78	30	
Endrin	0.089	0.0079	mg/Kg wet	0.0990		90.1	40-140	2.03	30	
Endrin [2C]	0.078	0.0079	mg/Kg wet	0.0990		78.9	40-140	4.61	30	
Endrin Aldehyde	0.084	0.0079	mg/Kg wet	0.0990		84.9	40-140	2.59	30	
Endrin Aldehyde [2C]	0.071	0.0079	mg/Kg wet	0.0990		71.3	40-140	4.18	30	
Endrin Ketone	0.083	0.0079	mg/Kg wet	0.0990		84.0	40-140	7.34	30	
Endrin Ketone [2C]	0.076	0.0079	mg/Kg wet	0.0990		76.8	40-140	9.20	30	
Heptachlor	0.077	0.0050	mg/Kg wet	0.0990		77.8	40-140	6.48	30	
Heptachlor [2C]	0.070	0.0050	mg/Kg wet	0.0990		70.8	40-140	0.612	30	
Heptachlor Epoxide	0.083	0.0050	mg/Kg wet	0.0990		83.5	40-140	0.976	30	
Heptachlor Epoxide [2C]	0.073	0.0050	mg/Kg wet	0.0990		74.2	40-140	4.77	30	
Hexachlorobenzene	0.081	0.0059	mg/Kg wet	0.0990		82.2	40-140	3.40	30	
Hexachlorobenzene [2C]	0.075	0.0059	mg/Kg wet	0.0990		76.0	40-140	10.2	30	
Methoxychlor	0.090	0.050	mg/Kg wet	0.0990		91.3	40-140	5.97	30	
Methoxychlor [2C]	0.074	0.050	mg/Kg wet	0.0990		75.1	40-140	7.76	30	
Surrogate: Decachlorobiphenyl [2C]	*0.165*		mg/Kg wet	0.198		83.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.172*		mg/Kg wet	0.198		86.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.164*		mg/Kg wet	0.198		82.9	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B337602 - SW-846 3546										
Blank (B337602-BLK1)				Prepared: 04/18/23 Analyzed: 04/20/23						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.183*		mg/Kg wet	0.198		92.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.207*		mg/Kg wet	0.198		104	30-150			
Surrogate: Tetrachloro-m-xylene	*0.170*		mg/Kg wet	0.198		85.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.187*		mg/Kg wet	0.198		94.5	30-150			
LCS (B337602-BS1)				Prepared: 04/18/23 Analyzed: 04/20/23						
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		76.3	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		81.0	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.9	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		85.2	40-140			
Surrogate: Decachlorobiphenyl	*0.184*		mg/Kg wet	0.200		92.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.211*		mg/Kg wet	0.200		105	30-150			
Surrogate: Tetrachloro-m-xylene	*0.176*		mg/Kg wet	0.200		88.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.200*		mg/Kg wet	0.200		100	30-150			
LCS Dup (B337602-BSD1)				Prepared: 04/18/23 Analyzed: 04/21/23						
Aroclor-1016	0.14	0.020	mg/Kg wet	0.196		71.1	40-140	7.07	30	
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.196		81.3	40-140	0.460	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.196		76.1	40-140	3.55	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.196		84.6	40-140	0.677	30	
Surrogate: Decachlorobiphenyl	*0.173*		mg/Kg wet	0.196		88.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.199*		mg/Kg wet	0.196		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.165*		mg/Kg wet	0.196		84.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.193*		mg/Kg wet	0.196		98.4	30-150			

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BREAKDOWN REPORT

Lab Sample ID:	S086313-PEM1	Analyzed:	04/21/2023

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	0.47
Endrin [1]	1.20

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	0.46
Endrin [2]	0.38

BREAKDOWN REPORT

Lab Sample ID:	S086313-PEM2	Analyzed:	04/21/2023

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	4.83
Endrin [1]	0.65

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	5.22
Endrin [2]	0.34

BREAKDOWN REPORT

Lab Sample ID:	S086313-PEM3	Analyzed:	04/22/2023

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	5.30
Endrin [1]	1.11

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BREAKDOWN REPORT

Lab Sample ID:	**S086313-PEM3**	**Analyzed:**	**04/22/2023**

Column Number: **2**

Analyte	% Breakdown
4,4'-DDT [2]	5.52
Endrin [2]	0.46

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B337602-BS1

Date(s) Analyzed: 04/20/2023 04/20/2023

Instrument ID (1): ECD 9

Instrument ID (2): ECD 9

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.16	6.5
Aroclor-1260	1	0.000	0.000	0.000	0.16	
	2	0.000	0.000	0.000	0.17	6.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B337602-BSD1 Date(s) Analyzed: 04/21/2023 04/21/2023

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.16	13.3
Aroclor-1260	1	0.000	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.17	12.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS

Lab Sample ID: B337603-BS1 Date(s) Analyzed: 04/21/2023 04/21/2023

Instrument ID (1): ECD2A Instrument ID (2): ECD2B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.011	6.979	7.039	0.089	
	2	6.473	6.444	6.504	0.077	14.5
4,4'-DDE	1	6.582	6.550	6.610	0.086	
	2	6.102	6.074	6.134	0.067	24.8
4,4'-DDT	1	7.220	7.187	7.247	0.090	
	2	6.687	6.659	6.719	0.071	23.6
Alachlor	1	6.039	6.007	6.067	0.065	
	2	5.419	5.390	5.450	0.060	8.0
Aldrin	1	5.939	5.907	5.967	0.085	
	2	5.451	5.423	5.483	0.071	17.9
alpha-BHC	1	5.269	5.238	5.298	0.080	
	2	4.890	4.861	4.921	0.071	13.2
alpha-Chlordane	1	6.520	6.488	6.548	0.080	
	2	5.974	5.946	6.006	0.070	13.3
beta-BHC	1	5.509	5.477	5.537	0.069	
	2	5.102	5.073	5.133	0.064	7.5
delta-BHC	1	5.616	5.585	5.645	0.075	
	2	5.243	5.214	5.274	0.070	6.9
Dieldrin	1	6.783	6.751	6.811	0.085	
	2	6.166	6.137	6.197	0.074	13.8
Endosulfan I	1	6.613	6.581	6.641	0.081	
	2	5.996	5.968	6.028	0.070	14.6
Endosulfan II	1	7.113	7.080	7.140	0.081	
	2	6.489	6.461	6.521	0.069	16.0
Endosulfan Sulfate	1	7.762	7.729	7.789	0.079	
	2	6.919	6.891	6.951	0.066	17.9
Endrin	1	6.949	6.916	6.976	0.087	
	2	6.349	6.319	6.379	0.075	14.8
Endrin Aldehyde	1	7.427	7.399	7.459	0.082	
	2	6.717	6.686	6.746	0.068	18.7
Endrin Ketone	1	7.971	7.938	7.998	0.077	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS

Lab Sample ID: B337603-BS1 Date(s) Analyzed: 04/21/2023 04/21/2023

Instrument ID (1): ECD2A Instrument ID (2): ECD2B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
	2	7.274	7.245	7.305	0.069	11.0
gamma-BHC (Lindane)	1	5.455	5.424	5.484	0.070	
	2	5.056	5.027	5.087	0.071	1.4
gamma-Chlordane	1	6.428	6.395	6.455	0.078	
	2	5.886	5.858	5.918	0.071	9.4
Heptachlor	1	5.748	5.716	5.776	0.082	
	2	5.286	5.257	5.317	0.070	15.8
Heptachlor Epoxide	1	6.342	6.310	6.370	0.084	
	2	5.769	5.740	5.800	0.070	18.2
Hexachlorobenzene	1	5.169	5.138	5.198	0.079	
	2	4.826	4.797	4.857	0.068	15.0
Methoxychlor	1	7.603	7.569	7.629	0.085	
	2	7.193	7.164	7.224	0.069	20.8

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IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS Dup

Lab Sample ID: B337603-BSD1 Date(s) Analyzed: 04/21/2023 04/21/2023

Instrument ID (1): ECD2A Instrument ID (2): ECD2B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.012	6.979	7.039	0.094	
	2	6.472	6.444	6.504	0.082	13.6
4,4'-DDE	1	6.582	6.550	6.610	0.090	
	2	6.103	6.074	6.134	0.074	19.5
4,4'-DDT	1	7.220	7.187	7.247	0.095	
	2	6.687	6.659	6.719	0.078	19.7
Alachlor	1	6.039	6.007	6.067	0.067	
	2	5.419	5.390	5.450	0.062	7.8
Aldrin	1	5.939	5.907	5.967	0.083	
	2	5.452	5.423	5.483	0.073	12.8
alpha-BHC	1	5.269	5.238	5.298	0.074	
	2	4.890	4.861	4.921	0.069	7.0
alpha-Chlordane	1	6.520	6.488	6.548	0.083	
	2	5.975	5.946	6.006	0.073	12.8
beta-BHC	1	5.509	5.477	5.537	0.067	
	2	5.102	5.073	5.133	0.065	3.0
delta-BHC	1	5.616	5.585	5.645	0.073	
	2	5.244	5.214	5.274	0.071	2.8
Dieldrin	1	6.783	6.751	6.811	0.086	
	2	6.166	6.137	6.197	0.078	9.8
Endosulfan I	1	6.612	6.581	6.641	0.082	
	2	5.997	5.968	6.028	0.073	11.6
Endosulfan II	1	7.113	7.080	7.140	0.084	
	2	6.489	6.461	6.521	0.073	14.0
Endosulfan Sulfate	1	7.762	7.729	7.789	0.085	
	2	6.920	6.891	6.951	0.071	17.9
Endrin	1	6.949	6.916	6.976	0.089	
	2	6.348	6.319	6.379	0.078	13.2
Endrin Aldehyde	1	7.427	7.399	7.459	0.084	
	2	6.717	6.686	6.746	0.071	16.8
Endrin Ketone	1	7.971	7.938	7.998	0.083	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS Dup

Lab Sample ID: B337603-BSD1 Date(s) Analyzed: 04/21/2023 04/21/2023

Instrument ID (1): ECD2A Instrument ID (2): ECD2B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
	2	7.274	7.245	7.305	0.076	8.8
gamma-BHC (Lindane)	1	5.455	5.424	5.484	0.065	
	2	5.057	5.027	5.087	0.070	7.4
gamma-Chlordane	1	6.429	6.395	6.455	0.079	
	2	5.887	5.858	5.918	0.074	6.5
Heptachlor	1	5.748	5.716	5.776	0.077	
	2	5.286	5.257	5.317	0.070	9.5
Heptachlor Epoxide	1	6.342	6.310	6.370	0.083	
	2	5.769	5.740	5.800	0.073	12.8
Hexachlorobenzene	1	5.170	5.138	5.198	0.081	
	2	4.826	4.797	4.857	0.075	7.7
Methoxychlor	1	7.603	7.569	7.629	0.090	
	2	7.193	7.164	7.224	0.074	19.5

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081B in Soil	
Alachlor	NC
Alachlor [2C]	NC
Aldrin	CT,NH,NY,ME,NC,VA
Aldrin [2C]	CT,NH,NY,ME,NC,VA
alpha-BHC	CT,NH,NY,ME,NC,VA
alpha-BHC [2C]	CT,NH,NY,ME,NC,VA
beta-BHC	CT,NH,NY,ME,NC,VA
beta-BHC [2C]	CT,NH,NY,ME,NC,VA
delta-BHC	CT,NH,NY,ME,NC,VA
delta-BHC [2C]	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane)	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane) [2C]	CT,NH,NY,ME,NC,VA
Chlordane	CT,NH,NY,ME,NC,VA
Chlordane [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDD	CT,NH,NY,ME,NC,VA
4,4'-DDD [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDE	CT,NH,NY,ME,NC,VA
4,4'-DDE [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDT	CT,NH,NY,ME,NC,VA
4,4'-DDT [2C]	CT,NH,NY,ME,NC,VA
Dieldrin	CT,NH,NY,ME,NC,VA
Dieldrin [2C]	CT,NH,NY,ME,NC,VA
Endosulfan I	CT,NH,NY,ME,NC,VA
Endosulfan I [2C]	CT,NH,NY,ME,NC,VA
Endosulfan II	CT,NH,NY,ME,NC,VA
Endosulfan II [2C]	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate [2C]	CT,NH,NY,ME,NC,VA
Endrin	CT,NH,NY,ME,NC,VA
Endrin [2C]	CT,NH,NY,ME,NC,VA
Endrin Aldehyde	CT,NH,NY,ME,NC,VA
Endrin Aldehyde [2C]	CT,NH,NY,ME,NC,VA
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NH,NY,ME,NC,VA
Heptachlor [2C]	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide [2C]	CT,NH,NY,ME,NC,VA
Hexachlorobenzene	NC
Hexachlorobenzene [2C]	NC
Methoxychlor	CT,NH,NY,ME,NC,VA
Methoxychlor [2C]	CT,NH,NY,ME,NC,VA
Toxaphene	CT,NH,NY,ME,NC,VA
Toxaphene [2C]	CT,NH,NY,ME,NC,VA
SW-846 8081B in Water	
Alachlor	NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081B in Water	
Alachlor [2C]	NC
Aldrin	CT,NH,NY,ME,NC,VA
Aldrin [2C]	CT,NH,NY,ME,NC,VA
alpha-BHC	CT,NH,NY,ME,NC,VA
alpha-BHC [2C]	CT,NH,NY,ME,NC,VA
beta-BHC	CT,NH,NY,ME,NC,VA
beta-BHC [2C]	CT,NH,NY,ME,NC,VA
delta-BHC	CT,NH,NY,ME,NC,VA
delta-BHC [2C]	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane)	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane) [2C]	CT,NH,NY,ME,NC,VA
Chlordane	CT,NH,NY,ME,NC,VA
Chlordane [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDD	CT,NH,NY,ME,NC,VA
4,4'-DDD [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDE	CT,NH,NY,ME,NC,VA
4,4'-DDE [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDT	CT,NH,NY,ME,NC,VA
4,4'-DDT [2C]	CT,NH,NY,ME,NC,VA
Dieldrin	CT,NH,NY,ME,NC,VA
Dieldrin [2C]	CT,NH,NY,ME,NC,VA
Endosulfan I	CT,NH,NY,ME,NC,VA
Endosulfan I [2C]	CT,NH,NY,ME,NC,VA
Endosulfan II	CT,NH,NY,ME,NC,VA
Endosulfan II [2C]	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate [2C]	CT,NH,NY,ME,NC,VA
Endrin	CT,NH,NY,ME,NC,VA
Endrin [2C]	CT,NH,NY,ME,NC,VA
Endrin Aldehyde	CT,NH,NY,ME,NC,VA
Endrin Aldehyde [2C]	CT,NH,NY,ME,NC,VA
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NH,NY,ME,NC,VA
Heptachlor [2C]	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide [2C]	CT,NH,NY,ME,NC,VA
Hexachlorobenzene	NC
Hexachlorobenzene [2C]	NC
Methoxychlor	CT,NH,NY,ME,NC,VA
Methoxychlor [2C]	CT,NH,NY,ME,NC,VA
Toxaphene	CT,NH,NY,ME,NC,VA
Toxaphene [2C]	CT,NH,NY,ME,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023

23D1915

Internal Transfer Chain of Custody

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☐ Samples Pre-Logged into eCOC.

State Of Origin: NY
Cert. Needed: ☐ Yes ☐ No
Owner Received Date: 4/13/2023 **Results Requested By:** 4/24/2023

Workorder: 70252808 **Workorder Name:** SCA SAND 022020

Report To	Subcontract To
Lori A. Beyer Pace Analytical Melville 575 Broad Hollow Road Melville, NY 11747 Phone (516)370-6014	Pace New England 39 Spruce St. East Longmeadow, MA 01028 Phone (413)525-2332 PO 70252808LAB

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	PCBS 8082A	PESTICIDES 8081B	LAB USE ONLY
1	SCA SAND 022020	PS	4/13/2023 10:15	70252808001	Solid	1	X	X	
2									
3									
4									
5									

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature]	4/14/2023	[signature]	4/14/23 1CCS
2				
3				

Comments

Cooler Temperature on Receipt 2.1 °C **Custody Seal** Y or (N) **Received on Ice** (Y) or **Samples Intact** (Y) or

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

STS

KAF

FedEx® Tracking

DELIVERED

Saturday

4/15/2023 at 10:05 am

Signed for by: L.AROYA

Obtain Proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

TRACKING ID

642863544609

FROM
MELVILLE, NY US

Label Created
4/14/2023 4:27 PM

PACKAGE RECEIVED BY FEDEX
MELVILLE, NY
4/14/2023 5:54 PM

IN TRANSIT
WINDSOR LOCKS, CT
4/15/2023 8:25 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
4/15/2023 8:30 AM

DELIVERED
EAST LONGMEADOW, MA US

Delivered
4/15/2023 at 10:05 AM

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P: 413-525-2332
F:413-525-6405
www.pacelabs.com

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Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

Pace
PEOPLE ADVANCING SCIENC

Client Pace-NY
Project 70252808
MCP/RCP Required No
Deliverable Package Req. No
Location NY
PWSID# (When Applicable) NA
Arrival Method:
Courier ☐ Fed Ex ☑ Walk In ☐ Other ☐
Received By / Date / Time LA 4/15/23 1005
Back-Sheet By / Date / Time GL 4/17/23 1945
~~Temperature Method~~ Gun #5
Temp ☑ < 6° C Actual Temperature 2.0
Rush Samples: Yes / (No) Notify
Short Hold: Yes / (No) Notify

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

Notes regarding Samples/COC outside of SOP:

COC Included: (Check all included)

Client	☑	Analysis	☑	Sampler Name	☑
Project	☑	IDs	☑	Collection Date/Time	☑

All Samples Proper pH: (N/A) ☐ ☐

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	NaS2O3	Other Preservative
1L Amber Plastic								
500 mL Amber Plastic								
250 mL Amber Plastic								
Other Amber Clear Plastic								
16oz Amber Clear								
8oz Amber Clear								
4oz Amber Clear								
2oz Amber (Clear)	1							
Col/Bacteria								
Flashpoint								
Plastic Bag								
SOC Kit								
Perchlorate								
Encore								
Frozen								

	Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials									

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Particle-Size Analysis of Soils
ASTM D 422, D6913

W.O.#: 4872.01 ***Project:*** Evergreen Recycling

Date Sampled: 02/02/23 ***Sample Source:*** Evergreen Recycling of Corona
Date Received 02/02/23 ***Sample by:*** Others
Date Tested: 02/10/23 ***LIC Sample ID:*** BS 146
Date Reported: 02/11/23 ***Proposed Use:*** Fill and Backfill (SCA)
Lab technician: Kirill Nikonov ***Client:***
Description: *SP Poorly graded Sand*

GRAVEL	1.8%
SAND	96.5%

SILT/CLAY	1.7%
MOISTURE CONTENT	2.9%

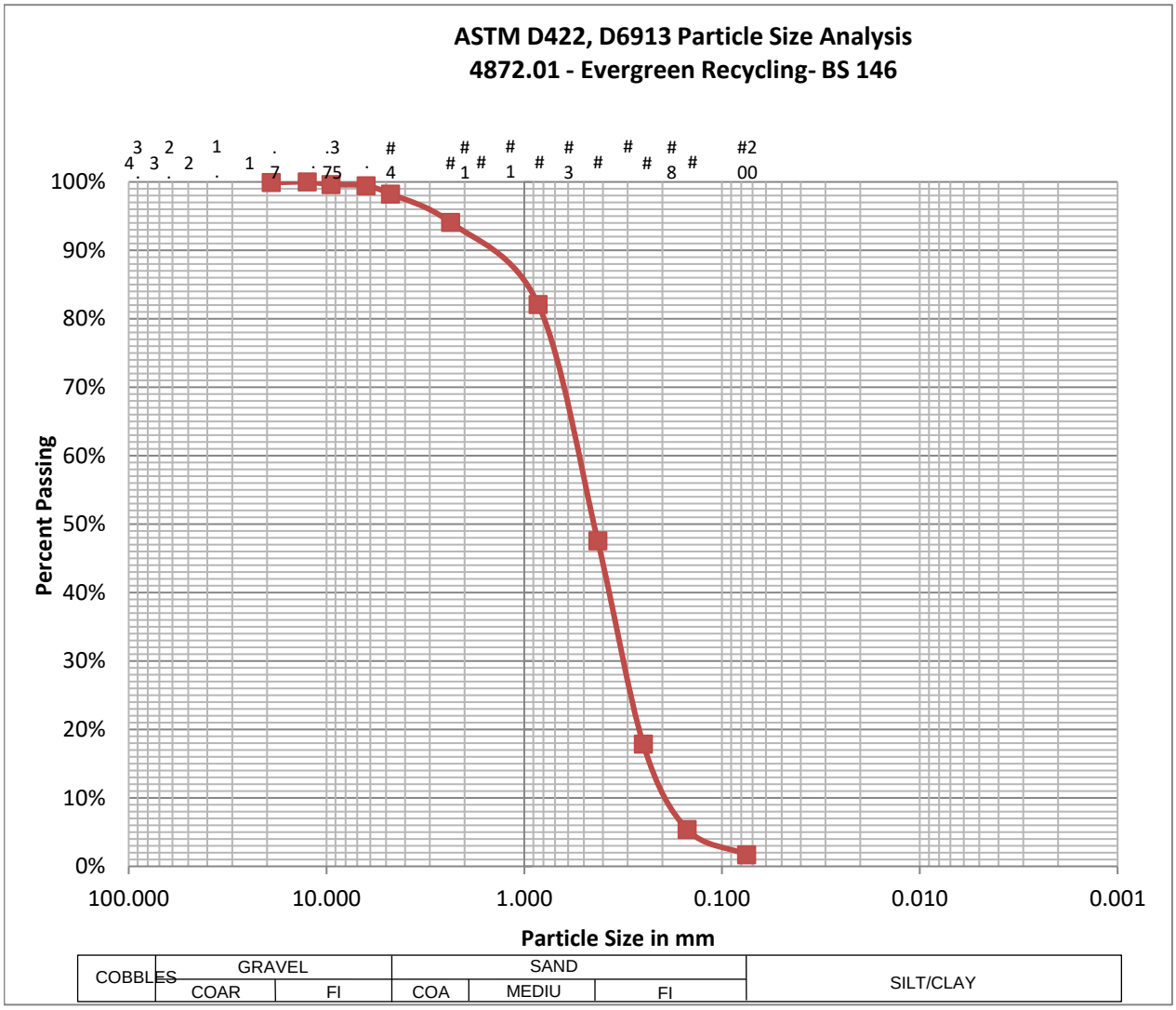
Note: sample meets gradation specification requirement for Fill and Backfill

	SP Poorly graded Sand			
	Sieve Size	% Passing	Specification	Pass / Fail
Cobbles	4"			
Coarse Gravel	3"	100.0%	100%	Pass
↓	2.5"			
↓	2"			
↓	1.5"			
↓	1"	100.0%		
Fine Gravel	3/4"	99.9%	70-100%	Pass
↓	1/2"	100.0%		
↓	3/8"	99.6%		
↓	1/4"	99.4%		
Coarse Sand	no. 4	98.2%		
↓	no. 8	94.1%		
↓	no. 10			
	no. 12			
Medium Sand	no. 16			
↓	no. 20	82.1%		
↓	no. 30			
↓	no. 40	47.6%		
Fine Sand	no. 50			
↓	no. 60	17.8%		
↓	no. 80	8.6%		
↓	no. 100	5.4%		
↓	no. 200	1.7%	0-10%	Pass
Silt/Clay				

Specification: NYCSCA 02200. 2.01.B. Fill and Backfill

NVLAP TESTING NVLAP LAB CODE: 600185-0

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Eduardo Lievano,PE
Lab Director.

Outlook

[External] RE: Willets Point OU-1 (C241146) - Material Import Request - EROC Virgin Sand

From Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Date Fri 2023-06-30 11:05 AM
To Nicholas Palumbo <npalumbo@langan.com>
Cc O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; Gerald Nicholls <gnicholls@Langan.com>; Elizabeth Burgess <eburgess@langan.com>; Jason Hayes <jahayes@Langan.com>; Ellie Seery <Eseery@langan.com>; Kristen Wexler <kwexler@langan.com>

Nick,
The Department has reviewed the request dated June 29, 2023 to import approximately 2,000 cubic yards of virgin sand from Evergreen Recycling of Corona- West Hills Silica Sand Mining Co. (Permit No. 41W93 and Permit No. 1-4726-00330/0003) located at 136 Spagnoli Rd in New York. The material will be used for backfill.. Based on the information provided, the request is hereby approved.

The proposed fill material meets the requirements for material other than soil (i.e., gravel, rock, stone, recycled concrete or recycled brick) as specified in section 5.4(e)5 of DER-10. Therefore, the material may be used above or below the demarcation layer.

Testing in accordance with DER-10, the Remedial Action Work Plan and approval by the Department is required for any additional material imported from this source. Should you have any questions please contact me.

Thank you,

Wendi Zheng
New York State Department of Environmental Conservation
P: (718) 482-7541 | wendi.zheng@dec.ny.gov

From: Nicholas Palumbo <npalumbo@langan.com>
Sent: Thursday, June 29, 2023 5:37 PM
To: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; gnicholls@langan.com; Elizabeth Burgess <eburgess@langan.com>; jahayes@Langan.com; Ellie Seery <Eseery@langan.com>; Kristen Wexler <kwexler@langan.com>
Subject: Willets Point OU-1 (C241146) - Material Import Request - EROC Virgin Sand

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hi Wendi,

The contractor at Willets Point is proposing import of about 2,000 cubic yards of virgin sand for backfilling around the 72-inch trunk water main piping in OU-1. The facility providing the sand is Evergreen Recycling of Corona,

who sourced the sand from West Hills Silica Sand Mining Corp's 110 Sand Co Mine located in Huntington, New York. Please see import request submittal package attached for DEC's review.

This is a critical item to continue with trunk water main construction, so anything you could do to expedite review would be much appreciated! Please let us know if you have any questions.

Thanks,
Nick

Nick Palumbo
Project Engineer

LANGAN

Direct: 212.479.5435
Mobile: 917.301.1896
File Sharing Link

Phone: 212.479.5400 Fax: 212.479.5444
360 West 31st Street, 8th Floor
New York, NY 10001-2727
www.langan.com

NEW YORK NEW JERSEY CONNECTICUT MASSACHUSETTS PENNSYLVANIA VIRGINIA WASHINGTON, DC
OHIO ILLINOIS NORTH CAROLINA TENNESSEE FLORIDA TEXAS ARIZONA COLORADO UTAH CALIFORNIA
ATHENS CALGARY DUBAI LONDON PANAMA

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Willets Point OU-2 (Phase 2) BCP Site

126th STREET/WILLETS POINT BOULEVARD
QUEENS, NEW YORK

Langan No. 170197601
BCP Site No. C241146

IMPORT MATERIAL PACKAGE

Material Type Clean Fill

Source Facility Durante Bros. Construction Corp.
31-40 123rd Street
Flushing, New York

Facility Owner Durante Family
31-40 123rd Street
Flushing, New York

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Restricted Residential Use

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? >1000

If greater than 1000 cubic yards will be imported, enter volume to be imported: 7,000

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? no

Does it contain less than 10%, by weight, material that would pass a size 10 sieve? no

Does it contain less than 10%, by weight, material that would pass a size 100 sieve? yes

Is this virgin material from a permitted mine or quarry? no

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Nineteen discrete grab samples were collected and analyzed for VOCs. Eight composite samples were collected and analyzed for SVOCs, pesticides, herbicides, PCBs, metals, EPH, and PFAS.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

The following analytical results are attached:
- Analytical Laboratory Report No. 23E0826 by York Analytical Laboratories, dated 5/19/2023
- Analytical Laboratory Report No. 23E0828 by York Analytical Laboratories, dated 5/19/2023
- Analytical Laboratory Report No. 23E0825 by York Analytical Laboratories, dated 5/19/2023

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Durante Bros. Construction Corp.

Location where fill was obtained:

31-40 123rd Street, Queens, NY

Identification of any state or local approvals as a fill source:

NYSDEC Solid Waste Management Facility Registration No. 41W22

If no approvals are available, provide a brief history of the use of the property that is the fill source:

N/A

Provide a list of supporting documentation included with this request:

1.Clean Source Letter by Durante Bros, dated 5/22/2023
2.Durante Brothers – May 12, 2023 Sampling Event Letter by Tenen Environmental, dated 5/22/2023
3.Scaled Figure of Sample Locations by Grid Logistics, dated 5/12/2023
4.Photographic Log by Grid Logistics
5.Analytical Laboratory Report No. 23E0826 by York Analytical Laboratories, dated 5/19/2023
6.Analytical Laboratory Report No. 23E0828 by York Analytical Laboratories, dated 5/19/2023
7.Analytical Laboratory Report No. 23E0825 by York Analytical Laboratories, dated 5/19/2023
8. Sleve Analysis, prepared by Twin Peaks, dated 5/23/2023

The information provided on this form is accurate and complete.

Elizabeth Burgess

Digitally signed by Elizabeth Burgess
DN: CN=Elizabeth Burgess, OU=New York, OU=Users, OU=Offices, DC=langan, DC=com
Date: 2023.05.25 09:39:15-04'00'

Signature

5/25/2023

Date

Elizabeth Burgess

Print Name

Langan Engineering

Firm

47-14-020 (01/94)
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID WASTE

REGISTRATION FORM FOR A SOLID WASTE MANAGEMENT FACILITY

Please read and follow all instructions before completing this registration form

Please **Type** or **Print** clearly THIS IS NOT A UPA PERMIT

DEPARTMENT USE ONLY					
DEC REGISTRATION #	4	1	W	2	2
DEC ADMINISTRATION #					
DATE RECEIVED 4/20/95					

1. FACILITY NAME AND LOCATION	2. FACILITY OWNER'S NAME
DURANTE BROS. CONSTRUCTION CORP	JOHN, LOUIS + MICHAEL DURANTE
Street: 31-40 123rd STREET	Mailing Address: 31-40 123 STREET
City/Village: NEW YORK	City/Town/Village: FLUSHING
Town: FLUSHING County: NY 11354	State/Zip Code: NEW YORK 11354
Telephone Number: (718) 762-2500	Telephone Number: (718) 762-2500
3. FACILITY OPERATOR'S NAME (if different)	4. SITE OWNER'S NAME (if different)
Mailing Address	Mailing Address
City/Town/Village	City/Town/Village
State/Zip Code	State/Zip Code
Telephone Number ( )	Telephone Number ( )

5. TYPE OF FACILITY REGISTRATION (check all applicable boxes)

- ☐ Energy Recovery Incinerators or Pyrolysis Units [360-3.1(c)]
- ☐ Land Application and Sludge Storage Facilities [360-4.1(c)]
- ☐ Composting and Other Distribution and Marketing Facilities [360-5.3(b)]
- ☐ Land Clearing Debris Landfills three acres or less [360-7.2(a)]
- ☐ Transfer Stations (municipally owned/operated/contracted) receiving less than 50,000 cubic yards or 12,500 tons of household solid waste annually [360-11.1(b)(1)]
- ☐ Transfer Stations (municipally owned/operated/contracted) receiving less than 50,000 cubic yards or 12,500 tons of containerized solid waste annually [360-11.1(b)(2)]
- ☐ Source Separated, Nonputrescible Solid Waste Recyclables Handling and Recovery Facilities [360-12.1(d)]
- ☐ Waste Tire Retreaders [360-13.1(d)(1)(i)]
- ☐ Waste Tires Stored for On-site Energy Recovery [360-13.1(d)(1)(ii)]
- ☐ Tire Dealers Selling Waste Tires [360-13.1(d)(1)(iii)]
- ☐ Tire Manufacturing Facilities [360-13.1(d)(1)(iv)]
- ☒ Processing Facilities Receiving Only Recognizable Uncontaminated Concrete, Asphalt Pavement, Brick, Soil or Rock [360-16.1(d)(1)(i)]
- ☐ Uncontaminated Unadulterated Wood Processing Facilities [360-16.1(d)(1)(ii)]
- ☐ Other Facilities not specifically described above, Specify Type _____

6. SOLID WASTE HANDLED

a. List wastes and/or materials to be accepted UNCONTAMINATED BROKEN CONCRETE / DIRT SOIL

b. Quantity (Specify Units - see instructions)
design capacity 14696 C.Y.
storage on site Map attached

7. OPERATIONS SCHEDULE - Normal schedule of operation
MONDAY – SATURDAY
7 – 5 Closed SUNDAY

8. NAME(S) OF ALL MUNICIPALITIES SERVED
5 BOROS

9. CERTIFICATION:
I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority as PRESIDENT (title) of DURANTE BROS CONST. CORP. (Entity) to sign this registration form pursuant to 6 NYCRR Part 360. By signing this registration form, I affirm that I have read the applicable regulations and will abide by all conditions of the registration requirements. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Printed/Typed Name	Signature	Mo	Day	Year
LOUIS DURANTE, PRESIDENT		04	05	95

REGISTRANT'S VALIDATED COPY - COPY #3
(To Be Returned by Dec.)

DURANTE BROS.
FILL MATERIAL TRANSFER STATION
31-40 123rd Street, Flushing, New York 11354 • T: 718-762-2500 F: 718-762-2707
www.durantebrothers.com

31-40 123rd Street Queens, NY 11354

May 22, 2023

George Mathews
Triumph Construction
1354 Seneca Avenue
Bronx, NY 10474

Re: Material Sampled on May 12, 2023

Dear George:

Durante Bros. Construction Corp., permit No. 41W22, an approved NYSDEC C&D facility ("Durante"), is to supply General Fill (as defined in 6 NYCRR Part 360.13, consisting of sand and gravel with de-minimus particles of concrete and/or asphalt, if any, as is permitted by the February 12, 2021 NYSDEC Part 360 Enforcement Discretion letters) to the remediation of Willets Point, Roosevelt Ave & Seaver Way Project (the "Willets Point Project"). Specifically, the material proposed for delivery from Durante to the Willets Point Project (the "Material") was sampled on May 12, 2023 at Durante and is presented in the following reports from York Analytical Laboratories Inc. ("York"), which are provided to you herewith: (i) York Project No.: 23E0826, dated 05/19/2023 (sample IDs: C-1, C-2, C-3, C-4, C-5, C-6, C-7 & C-8); (ii) York Project No.: 23E0828, dated 05/19/2023 (sample IDs: G-1, G-2, G-3, G-4, G-5, G-6, G-7, G-8, G-9, G-10 & G-11); and (iii) York Project No.: 23E0825, dated 05/19/2023 (sample IDs: PFAS-1, PFAS-2, PFAS-3, PFAS-4, PFAS-5, PFAS-6, PFAS-7 & PFAS-8). With the exception sample C-5, the Material meets Part 375 residential standards. None of the Material was sourced from, or stored at, any environmentally impacted or contaminated properties.

If you have any questions or if I can be of any assistance, please do not hesitate to contact me at 718-762-2500.

Sincerely,

Louis J Durante
President

TENEN ENVIRONMENTAL

121 West 27th Street, Suite 702
New York, NY 10001
(646) 606-2332

May 22, 2023

RE: Durante Brothers – May 12, 2023 Sampling Event

This summary provides a description of the sampling event that was conducted by Tenen Environmental ("Tenen") at the Durante Brothers processing facility, located at 31-40 123rd Street Queens, NY 11354 (the "Source Location"). It is our understanding that NYSDEC, Region 2 has requested additional information related to the manner in which the materials were sampled, and the characteristics of such materials observed during the sampling. This letter briefly summarizes the sampling conducted by Tenen on May 12, 2023.

Tenen was retained by Grid Logistics LLC as an independent environmental consultant to ensure that sample collection complies with state and receiving site requirements, including DER-10, and that such samples are collected in an impartial and independent manner. We emphasize that Tenen has no financial interest in disposition of the materials characterized at Durante.

Sample Collection.

A total of ~7,000 cy of materials was characterized during this sampling event (the "Source Materials"). Samples were collected from varying depths throughout the stockpile at the test pit locations shown in Attachment A (attached) to be representative of the Source Materials.

Results are summarized in the spreadsheet (provided separately). The following samples were collected and analyzed during this sampling event:

Sample(s)	Sample Type	Analyses
C-1 through C-8	5 pt. Comp w/ VOC grab	Part 375, EPH
PFAS-1 through PFAS-8	5 pt. Comp	Part 375 PFAS
G-1 through G-11	Additional VOC Grabs per DER-10 Table 5.4(e)10	Part 375 VOCs

To ensure that the samples collected were representative, an excavator was used to dig test pits at varying depths throughout the interior of the stockpile. Where test pits were excavated near the sidewalls of the stockpile, such pits were extended from the base of the stockpile to its full height so as to be representative of the entire column of soil present within the stockpile.

One 5-point composite was collected for each ~1,000 cubic yards in the stockpile. For each composite sample, in compliance with DER-10, a VOC grab was collected from any point that exhibited the greatest visual/olfactory evidence of contamination, or, if no evidence of contamination was observed, from a random location. No visual or olfactory evidence of contamination was observed during this sampling event. Accordingly, the VOC grab samples were collected at randomly selected discrete locations distributed throughout the stockpile (see Attachment A).

In addition to composite sample collection, where samples are designated as being “G” samples , such samples were collected as single point grab samples to assist in complying with DER-10 sample frequency requirements for VOCs.

All samples were collected using disposable equipment and in such a manner as to minimize head space/vapor leakage within the sampling bottles. Samples were labeled, preserved on ice and transported under chain-of-custody procedures to York Analytical Laboratories Inc. of Stratford, CT (“York”), which is a laboratory approved by the New York State Department of Health (Nos. 10854 and 12058). The samples were analyzed by York for all Part 375 parameters (including Emerging Contaminants). Each grab sample was analyzed for VOCs using the Terra Core™ sampling apparatus.

Material Description & Photographic Documentation

Tenen observed that the materials consist of light brown, well graded, fine to coarse SAND with some GRAVEL. Tenen noted the occasional presence of *de-minimus* amounts of concrete, and/or asphalt specks in certain test pits, but, in each case, at lower than trace levels, if at all. No ash, slag, or pieces of metal (pipe, etc.) were observed in any amounts.

To document Tenen’s observations, a total of 35 photographs of the Source Materials were taken during this sampling event and can be viewed at the following link:

https://www.dropbox.com/sh/qqm4qihwpg5lnv0/AAC3DF7IV1xXi7RRGdM4SxUFa?dl=0

Should you or NYSDEC require any further information relating to this sampling event, please don’t hesitate to contact me at 347.391.2585.

Sincerely,
Tenen Environmental, LLC



Matthew Carroll, P.E.
Principal / Environmental Engineer

Attachments:
Attachment A – Scaled Figure of Sample Locations
Attachment B – Photographic Log
Attachment C – Laboratory Reports

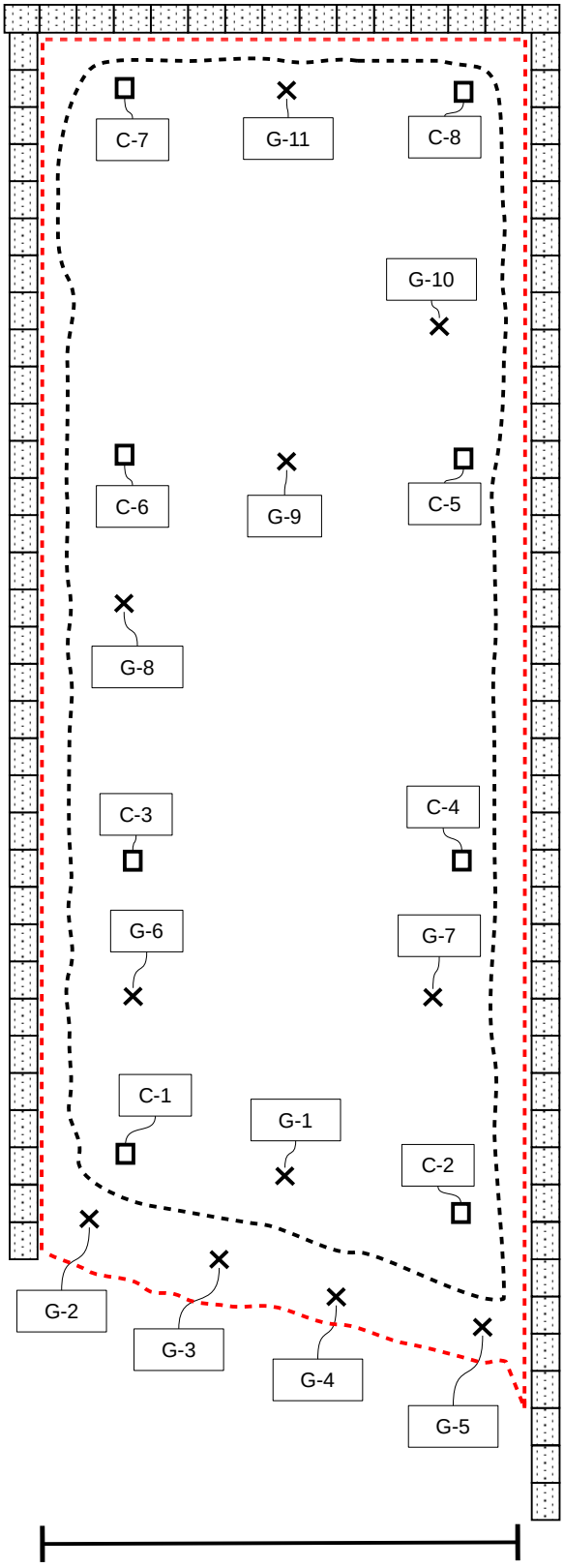
Sampling Date: May 12, 2023

Source Location: Durante Brothers Construction Corp.
31-40 123rd Street
Queens, NY 11354

Volume: ~7,000 cy

Attachment A

Scaled Figure of Sample Locations



N

Legend:

- Indicates sampled stockpile crown
- Indicates sampled stockpile boundary
- Indicates composite sample location (*not to scale*)
- Indicates grab sample location (*not to scale*)

GRID LOGISTICS

31-40 123rd Street
Queens, NY 11354

0 ft. 40 ft.

Date: 05/12/23
Scale: AS NOTED
Version: 1

Attachment B

Photographic Log



View of the southern side of the stockpile



View of a typical sample stockpile



View of the top of the
stockpile looking south



View of the southeast edge
of the stockpile looking northwest



View of the eastern side
of the stockpile looking north



View of the northern side
of the stockpile looking west

Attachment C

Laboratory Reports

Technical Report

prepared for:

Grid Logistics LLC
78 John Miller Way, Suite 312
Kearny NJ, 07032
Attention: Chris Zacharias

Report Date: 05/19/2023
Client Project ID: Durante Bros
York Project (SDG) No.: 23E0826

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 05/19/2023
Client Project ID: Durante Bros
York Project (SDG) No.: 23E0826

Grid Logistics LLC
78 John Miller Way, Suite 312
Kearny NJ, 07032
Attention: Chris Zacharias

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 12, 2023 and listed below. The project was identified as your project: **Durante Bros**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23E0826-01	C-1	Soil	05/12/2023	05/12/2023
23E0826-02	C-2	Soil	05/12/2023	05/12/2023
23E0826-03	C-3	Soil	05/12/2023	05/12/2023
23E0826-04	C-4	Soil	05/12/2023	05/12/2023
23E0826-05	C-5	Soil	05/12/2023	05/12/2023
23E0826-06	C-6	Soil	05/12/2023	05/12/2023
23E0826-07	C-7	Soil	05/12/2023	05/12/2023
23E0826-08	C-8	Soil	05/12/2023	05/12/2023

General Notes for York Project (SDG) No.: 23E0826

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:  **Date:** 05/19/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: C-1 **York Sample ID:** 23E0826-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:18 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
123-91-1	1,4-Dioxane	ND		ug/kg dry	62	120	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
78-93-3	**2-Butanone**	**9.2**		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	BMC
591-78-6	2-Hexanone	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC

Sample Information

Client Sample ID: C-1 **York Sample ID:** 23E0826-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:18 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	**Acetone**	**65**	ICVE, QL-02	ug/kg dry	6.2	12	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
107-02-8	Acrolein	ND	CCVE	ug/kg dry	6.2	12	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	Benzene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-97-5	Bromochloromethane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-25-2	Bromoform	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-00-3	Chloroethane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND	CCVE	ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-82-7	Cyclohexane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: C-1 **York Sample ID:** 23E0826-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:18 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-20-9	Methyl acetate	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-87-2	Methylcyclohexane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/kg dry	6.2	12	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-47-6	o-Xylene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.2	12	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
100-42-5	Styrene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-88-3	Toluene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723
79-01-6	Trichloroethylene	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-01-4	Vinyl Chloride	ND	CCVE	ug/kg dry	3.1	6.2	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.3	19	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: C-1 **York Sample ID:** 23E0826-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:18 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*			*77-125*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.1 %*			*85-120*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*93.7 %*			*76-130*						

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 14:35	BMC

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	89.0	178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	89.0	178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	89.0	178	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH

Sample Information

Client Sample ID: C-1 **York Sample ID:** 23E0826-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:18 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	89.0	178	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	89.0	178	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	89.0	178	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	89.0	178	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	89.0	178	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
83-32-9	Acenaphthene	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
98-86-2	Acetophenone	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
62-53-3	Aniline	ND		ug/kg dry	178	356	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
120-12-7	**Anthracene**	**62.6**	J	ug/kg dry	44.6	89.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH
1912-24-9	Atrazine	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 13:36	KH

Sample Information

Client Sample ID: C-1 **York Sample ID:** 23E0826-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:18 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-52-7	Benzaldehyde	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
92-87-5	Benzidine	ND		ug/kg dry	178	356	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
56-55-3	**Benzo(a)anthracene**	**160**		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
50-32-8	**Benzo(a)pyrene**	**157**		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
205-99-2	**Benzo(b)fluoranthene**	**146**		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
191-24-2	**Benzo(g,h,i)perylene**	**95.4**		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
207-08-9	**Benzo(k)fluoranthene**	**118**		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
65-85-0	Benzoic acid	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
105-60-2	Caprolactam	ND		ug/kg dry	89.0	178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
86-74-8	Carbazole	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
218-01-9	**Chrysene**	**159**		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH

Sample Information

Client Sample ID: C-1 **York Sample ID:** 23E0826-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:18 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
122-39-4	* Diphenylamine	ND		ug/kg dry	89.0	178	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 13:36	KH
206-44-0	**Fluoranthene**	**250**		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
86-73-7	Fluorene	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**102**		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
78-59-1	Isophorone	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
91-20-3	Naphthalene	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
85-01-8	**Phenanthrene**	**219**		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
108-95-2	Phenol	ND		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH
129-00-0	**Pyrene**	**312**		ug/kg dry	44.6	89.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 13:36	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*4.72 %*	*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*20.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*41.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*37.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*1.72 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*41.8 %*	*24-116*

Sample Information

Client Sample ID: C-1 **York Sample ID:** 23E0826-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:18 am	05/12/2023

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	**Octadecadienoic Acid Isomer...**	**1480**	J	ug/kg dry			2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 13:36	KH
NA	**Octadecenoic Acid Isomer RT...**	**1270**	J	ug/kg dry			2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 13:36	KH

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:12	BCJ
72-55-9	4,4'-DDE	ND		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:12	BCJ
50-29-3	4,4'-DDT	ND		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:12	BCJ
309-00-2	**Aldrin**	**3.88**		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:12	BCJ
319-84-6	alpha-BHC	ND		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:12	BCJ
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP	05/18/2023 04:12	BCJ
319-85-7	beta-BHC	ND		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:12	BCJ
57-74-9	Chlordane, total	ND		ug/kg dry	3.52	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:12	BCJ
319-86-8	delta-BHC	ND		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:12	BCJ
60-57-1	Dieldrin	ND		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:12	BCJ
959-98-8	Endosulfan I	ND		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:12	BCJ
33213-65-9	Endosulfan II	ND		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854	05/18/2023 04:12	BCJ
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:12	BCJ
72-20-8	Endrin	ND		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:12	BCJ
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:12	BCJ
53494-70-5	Endrin ketone	ND		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:12	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:12	BCJ

Sample Information

Client Sample ID: C-1 **York Sample ID:** 23E0826-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:18 am	05/12/2023

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/16/2023 09:24	05/18/2023 04:12	BCJ
76-44-8	Heptachlor	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 04:12	BCJ
1024-57-3	**Heptachlor epoxide**	**2.49**		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 04:12	BCJ
72-43-5	Methoxychlor	ND		ug/kg dry	8.81	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 04:12	BCJ
8001-35-2	Toxaphene	ND		ug/kg dry	89.1	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 04:12	BCJ
57-74-9	* Chlordane, total (alpha, gamma)	ND		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24	05/18/2023 04:12	BCJ

Surrogate Recoveries	Result		Acceptance Range
877-09-8 *Surrogate: Tetrachloro-m-xylene*	*25.8 %*	S-08, S-GC	*30-140*
2051-24-3 *Surrogate: Decachlorobiphenyl*	*34.6 %*		*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 01:08	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 01:08	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 01:08	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 01:08	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 01:08	BCJ
11097-69-1	Aroclor 1254	ND	PCB-I	mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 01:08	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 01:08	BCJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 01:08	BCJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 01:08	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	05/16/2023 09:24	05/18/2023 01:08	BCJ

Surrogate Recoveries	Result		Acceptance Range
877-09-8 *Surrogate: Tetrachloro-m-xylene*	*38.0 %*		*30-140*
2051-24-3 *Surrogate: Decachlorobiphenyl*	*27.0 %*	S-08, S-GC	*30-140*

Sample Information

Client Sample ID: C-1 **York Sample ID:** 23E0826-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:18 am	05/12/2023

Herbicides, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/kg dry	21.4	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:44	05/19/2023 02:31	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	21.4	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:44	05/19/2023 02:31	BCJ
94-75-7	2,4-D	ND		ug/kg dry	21.4	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:44	05/19/2023 02:31	BCJ

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*26.6 %*	*21-150*

Extractable Total Petroleum Hydrocarbons (ETPH)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 ETPH

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
CT ETPH	* ETPH (Extractable Total Petroleum Hydrocarbons)	ND		mg/kg dry	302	5	CT DEP ETPH Certifications: CTDOH-PH-0723	05/19/2023 08:10	05/19/2023 15:28	GXB

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*103 %*	*50-150*

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total EPH**	**177**		mg/kg dry	54.2	1	NJDEP EPH Rev 3.0 Certifications: NJDEP	05/16/2023 08:47	05/16/2023 22:50	GXB

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*69.7 %*	*31.6-128*
84-15-1	*Surrogate: o-Terphenyl*	*71.4 %*	*28.7-124*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**10100**		mg/kg dry	4.57	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:42	AJL
7440-36-0	Antimony	ND		mg/kg dry	2.28	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:42	AJL
7440-38-2	**Arsenic**	**5.64**		mg/kg dry	1.37	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:42	AJL
7440-39-3	**Barium**	**62.6**		mg/kg dry	2.28	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:42	AJL

Sample Information

Client Sample ID: C-1 **York Sample ID:** 23E0826-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:18 am	05/12/2023

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	**Beryllium**	**0.084**		mg/kg dry	0.046	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.274	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**20700**		mg/kg dry	4.57	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**20.5**		mg/kg dry	0.457	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**6.99**		mg/kg dry	0.365	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**24.4**		mg/kg dry	1.83	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**14800**		mg/kg dry	22.8	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**43.3**		mg/kg dry	0.457	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**5020**		mg/kg dry	4.57	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**282**		mg/kg dry	0.457	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**17.6**		mg/kg dry	0.910	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**965**		mg/kg dry	4.57	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.28	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.460	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**678**		mg/kg dry	45.7	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.28	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**27.0**		mg/kg dry	0.910	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**69.5**	M-CCV 1	mg/kg dry	2.27	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0813**		mg/kg dry	0.0329	1	EPA 7473	05/17/2023 14:10	05/17/2023 22:19	AGNR
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: C-1 **York Sample ID:** 23E0826-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:18 am	05/12/2023

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	**Chromium, Hexavalent**	**0.745**		mg/kg dry	0.548	1	EPA 7196A	05/18/2023 14:11	05/18/2023 21:19	ZTS
							Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP			

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.548	1	EPA 9014/9010C	05/17/2023 14:34	05/17/2023 20:46	SL
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			

pH

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	**11.2**		pH units	0.500	1	EPA 9045D	05/15/2023 16:49	05/15/2023 21:57	SL
							Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP,NJDEP			

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** ORP (Oxidation-Reduction Potential) (Ag/AgCl)**	**380**		mV	-200	1	ASTM 1498-08 M	05/15/2023 16:52	05/15/2023 22:00	SL
							Certifications:			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.3**		%	0.100	1	SM 2540G	05/18/2023 09:34	05/18/2023 14:12	sgs
							Certifications: CTDOH-PH-0723			

SPLP Extraction for METALS EPA 1312

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1312 SPLP for Extr. for Metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:31	05/16/2023 09:46	TAJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			

SPLP Extraction for SVOC/PEST/HERB 1312

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1312 SPLP Extraction for BNA/Pest/Herb

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: C-1 **York Sample ID:** 23E0826-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:18 am	05/12/2023

SPLP Extraction for SVOC/PEST/HERB 1312

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 SPLP Extraction for BNA/Pest/Herb

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:27	05/16/2023 09:42	TAJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

SPLP Extraction for VOA by EPA 1312 ZHE

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 ZHE for SPLP Volatiles

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:23	05/16/2023 09:39	TAJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: C-2 **York Sample ID:** 23E0826-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:20 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: C-2 **York Sample ID:** 23E0826-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:20 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/kg dry	56	110	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
591-78-6	2-Hexanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	**Acetone**	**20**	ICVE, QL-02	ug/kg dry	5.6	11	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
107-02-8	Acrolein	ND	CCVE	ug/kg dry	5.6	11	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: C-2 **York Sample ID:** 23E0826-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:20 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND	CCVE	ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-82-7	Cyclohexane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-20-9	Methyl acetate	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
100-42-5	Styrene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: C-2 **York Sample ID:** 23E0826-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:20 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/15/2023 15:11	BMC
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:11	BMC
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:11	BMC
108-88-3	Toluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:11	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:11	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:11	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723	05/15/2023 15:11	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:11	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:11	BMC
75-01-4	Vinyl Chloride	ND	CCVE	ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:11	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.4	17	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	05/15/2023 15:11	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.2 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*95.3 %*	*76-130*

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:11	BMC

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	87.9	176	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH

Sample Information

Client Sample ID: C-2 **York Sample ID:** 23E0826-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:20 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,PADEP	05/17/2023 14:06	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,PADEP	05/17/2023 14:06	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,PADEP	05/17/2023 14:06	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	87.9	176	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	87.9	176	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	87.9	176	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	87.9	176	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	87.9	176	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:06	KH

Sample Information

Client Sample ID: C-2 **York Sample ID:** 23E0826-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:20 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	87.9	176	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	87.9	176	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
83-32-9	Acenaphthene	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
98-86-2	Acetophenone	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 NELAC-NY10854,NJDEP,PADEP	KH
62-53-3	Aniline	ND		ug/kg dry	176	352	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 NELAC-NY10854,NJDEP,PADEP	KH
120-12-7	**Anthracene**	**87.8**	J	ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
1912-24-9	Atrazine	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 NELAC-NY10854,NJDEP,PADEP	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 NELAC-NY10854,NJDEP,PADEP	KH
92-87-5	Benzidine	ND		ug/kg dry	176	352	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,PADEP	KH
56-55-3	**Benzo(a)anthracene**	**235**		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
50-32-8	**Benzo(a)pyrene**	**201**		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
205-99-2	**Benzo(b)fluoranthene**	**190**		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
191-24-2	**Benzo(g,h,i)perylene**	**115**		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
207-08-9	**Benzo(k)fluoranthene**	**184**		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
65-85-0	Benzoic acid	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 NELAC-NY10854,NJDEP,PADEP	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 NELAC-NY10854,NJDEP,PADEP	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: C-2 **York Sample ID:** 23E0826-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:20 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**99.1**		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
105-60-2	Caprolactam	ND		ug/kg dry	87.9	176	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 NELAC-NY10854,NJDEP,PADEP	KH
86-74-8	Carbazole	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
218-01-9	**Chrysene**	**221**		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
122-39-4	* Diphenylamine	ND		ug/kg dry	87.9	176	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06	KH
206-44-0	**Fluoranthene**	**386**		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
86-73-7	**Fluorene**	**47.8**	J	ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 NELAC-NY10854,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**122**		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
78-59-1	Isophorone	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
91-20-3	Naphthalene	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	44.1	87.9	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: C-2 **York Sample ID:** 23E0826-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:20 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	44.1	87.9	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	44.1	87.9	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		ug/kg dry	44.1	87.9	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**306**		ug/kg dry	44.1	87.9	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/kg dry	44.1	87.9	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**438**		ug/kg dry	44.1	87.9	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*7.84 %*	*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*26.0 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*40.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*39.0 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*3.84 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*43.1 %*	*24-116*

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	**Octadecadienoic Acid Isomer...**	**1770**	J	ug/kg dry			2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:06	KH
								Certifications:			
NA	**Octadecenoic Acid Isomer RT...**	**2240**	J	ug/kg dry			2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:06	KH
								Certifications:			

Pesticides, NJDEP/TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.75	5	EPA 8081B	05/16/2023 09:24	05/18/2023 04:30	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		ug/kg dry	1.75	5	EPA 8081B	05/16/2023 09:24	05/18/2023 04:30	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		ug/kg dry	1.75	5	EPA 8081B	05/16/2023 09:24	05/18/2023 04:30	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
309-00-2	**Aldrin**	**4.98**		ug/kg dry	1.75	5	EPA 8081B	05/16/2023 09:24	05/18/2023 04:30	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: C-2 **York Sample ID:** 23E0826-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:20 am	05/12/2023

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		ug/kg dry	1.75	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:30	BCJ
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.75	5	EPA 8081B Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP	05/18/2023 04:30	BCJ
319-85-7	beta-BHC	ND		ug/kg dry	1.75	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:30	BCJ
57-74-9	Chlordane, total	ND		ug/kg dry	3.50	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:30	BCJ
319-86-8	delta-BHC	ND		ug/kg dry	1.75	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:30	BCJ
60-57-1	Dieldrin	ND		ug/kg dry	1.75	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:30	BCJ
959-98-8	Endosulfan I	ND		ug/kg dry	1.75	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:30	BCJ
33213-65-9	Endosulfan II	ND		ug/kg dry	1.75	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854	05/18/2023 04:30	BCJ
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.75	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:30	BCJ
72-20-8	Endrin	ND		ug/kg dry	1.75	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:30	BCJ
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.75	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:30	BCJ
53494-70-5	Endrin ketone	ND		ug/kg dry	1.75	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:30	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.75	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:30	BCJ
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.75	5	EPA 8081B Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP	05/18/2023 04:30	BCJ
76-44-8	Heptachlor	ND		ug/kg dry	1.75	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:30	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.75	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:30	BCJ
72-43-5	Methoxychlor	ND		ug/kg dry	8.75	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:30	BCJ
8001-35-2	Toxaphene	ND		ug/kg dry	88.6	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:30	BCJ
57-74-9	* Chlordane, total (alpha, gamma)	ND		ug/kg dry	1.75	5	EPA 8081B Certifications:	05/16/2023 09:24	05/18/2023 04:30	BCJ

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*29.5 %*	S-08, S-GC	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*39.4 %*		*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: C-2 **York Sample ID:** 23E0826-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:20 am	05/12/2023

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	1	EPA 8082A	05/16/2023 09:24	05/18/2023 01:22	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	1	EPA 8082A	05/16/2023 09:24	05/18/2023 01:22	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	1	EPA 8082A	05/16/2023 09:24	05/18/2023 01:22	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	1	EPA 8082A	05/16/2023 09:24	05/18/2023 01:22	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	1	EPA 8082A	05/16/2023 09:24	05/18/2023 01:22	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND	PCB-I	mg/kg dry	0.0177	1	EPA 8082A	05/16/2023 09:24	05/18/2023 01:22	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	1	EPA 8082A	05/16/2023 09:24	05/18/2023 01:22	BCJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0177	1	EPA 8082A	05/16/2023 09:24	05/18/2023 01:22	BCJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0177	1	EPA 8082A	05/16/2023 09:24	05/18/2023 01:22	BCJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	1	EPA 8082A	05/16/2023 09:24	05/18/2023 01:22	BCJ
							Certifications:			

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*40.5 %*		*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*27.0 %*	S-08, S-GC	*30-140*

Herbicides, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/kg dry	21.4	1	EPA 8151A	05/16/2023 08:44	05/19/2023 02:42	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	21.4	1	EPA 8151A	05/16/2023 08:44	05/19/2023 02:42	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		ug/kg dry	21.4	1	EPA 8151A	05/16/2023 08:44	05/19/2023 02:42	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*24.4 %*	*21-150*

Extractable Total Petroleum Hydrocarbons (ETPH)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 ETPH

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
CT ETPH	*** ETPH (Extractable Total Petroleum Hydrocarbons)**	**269**		mg/kg dry	212	5	CT DEP ETPH	05/19/2023 08:10	05/19/2023 16:07	GXB
							Certifications:	CTDOH-PH-0723		

Sample Information

Client Sample ID: C-2 **York Sample ID:** 23E0826-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:20 am	05/12/2023

Extractable Total Petroleum Hydrocarbons (ETPH)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 ETPH

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*103 %*	*50-150*

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total EPH**	**169**		mg/kg dry	52.0	1	NJDEP EPH Rev 3.0 Certifications: NJDEP	05/16/2023 08:47	05/16/2023 23:19	GXB

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*61.0 %*	*31.6-128*
84-15-1	*Surrogate: o-Terphenyl*	*62.0 %*	*28.7-124*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9410**		mg/kg dry	4.51	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:45	AJL
7440-36-0	Antimony	ND		mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:45	AJL
7440-38-2	**Arsenic**	**6.70**		mg/kg dry	1.35	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:45	AJL
7440-39-3	**Barium**	**59.9**		mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:45	AJL
7440-41-7	Beryllium	ND		mg/kg dry	0.045	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:45	AJL
7440-43-9	Cadmium	ND		mg/kg dry	0.271	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:45	AJL
7440-70-2	**Calcium**	**22600**		mg/kg dry	4.51	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:45	AJL
7440-47-3	**Chromium**	**23.4**		mg/kg dry	0.451	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:45	AJL
7440-48-4	**Cobalt**	**7.08**		mg/kg dry	0.360	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:45	AJL
7440-50-8	**Copper**	**29.3**		mg/kg dry	1.80	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:45	AJL
7439-89-6	**Iron**	**15600**		mg/kg dry	22.5	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:45	AJL
7439-92-1	**Lead**	**42.7**		mg/kg dry	0.451	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:45	AJL
7439-95-4	**Magnesium**	**4870**		mg/kg dry	4.51	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:45	AJL

Sample Information

Client Sample ID: C-2 **York Sample ID:** 23E0826-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:20 am	05/12/2023

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**289**		mg/kg dry	0.451	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:45	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**19.6**		mg/kg dry	0.898	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:45	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1190**		mg/kg dry	4.51	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:45	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.25	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:45	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.455	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:45	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**578**		mg/kg dry	45.1	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:45	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.25	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:45	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**28.2**		mg/kg dry	0.898	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:45	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**51.9**	M-CCV 1	mg/kg dry	2.25	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:45	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0906**		mg/kg dry	0.0325	1	EPA 7473	05/17/2023 14:10	05/17/2023 22:19	AGNR
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	**Chromium, Hexavalent**	**0.649**		mg/kg dry	0.541	1	EPA 7196A	05/18/2023 14:11	05/18/2023 21:19	ZTS
							Certifications:	NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP		

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.541	1	EPA 9014/9010C	05/17/2023 14:34	05/17/2023 20:46	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: C-2 **York Sample ID:** 23E0826-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:20 am	05/12/2023

pH

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	**11.1**		pH units	0.500	1	EPA 9045D	05/15/2023 16:49	05/15/2023 21:57	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP,NJDEP		

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** ORP (Oxidation-Reduction Potential) (Ag/AgCl)**	**230**		mV	-200	1	ASTM 1498-08 M	05/15/2023 16:52	05/15/2023 22:00	SL
							Certifications:			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.4**		%	0.100	1	SM 2540G	05/18/2023 09:34	05/18/2023 14:12	sgs
							Certifications:	CTDOH-PH-0723		

SPLP Extraction for METALS EPA 1312

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 SPLP for Extr. for Metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:31	05/16/2023 09:46	TAJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

SPLP Extraction for SVOC/PEST/HERB 1312

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 SPLP Extraction for BNA/Pest/Herb

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:27	05/16/2023 09:42	TAJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

SPLP Extraction for VOA by EPA 1312 ZHE

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 ZHE for SPLP Volatiles

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:23	05/16/2023 09:39	TAJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: C-3 **York Sample ID:** 23E0826-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:08 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC NELAC-NY10854,NELAC-NY12058,NJDEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/kg dry	51	100	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	**2-Butanone**	**4.8**	J	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: C-3 **York Sample ID:** 23E0826-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:08 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**58**	ICVE, QL-02	ug/kg dry	5.1	10	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
107-02-8	Acrolein	ND	CCVE	ug/kg dry	5.1	10	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND	CCVE	ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	05/15/2023 09:25	05/15/2023 15:52	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: C-3 **York Sample ID:** 23E0826-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:08 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/15/2023 15:52	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:52	BMC
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/15/2023 15:52	BMC
75-09-2	Methylene chloride	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:52	BMC
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:52	BMC
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:52	BMC
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/15/2023 15:52	BMC
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/15/2023 15:52	BMC
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:52	BMC
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:52	BMC
100-42-5	Styrene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:52	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/15/2023 15:52	BMC
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:52	BMC
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:52	BMC
108-88-3	Toluene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:52	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:52	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:52	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723	05/15/2023 15:52	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:52	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:52	BMC
75-01-4	Vinyl Chloride	ND	CCVE	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 15:52	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.7	15	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	05/15/2023 15:52	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*77-125*

Sample Information

Client Sample ID: C-3 **York Sample ID:** 23E0826-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:08 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.3 %*			*85-120*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*93.0 %*			*76-130*						

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 15:52	BMC

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 14:36	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 14:36	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 14:36	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2023 08:35	05/17/2023 14:36	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 14:36	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2023 08:35	05/17/2023 14:36	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2023 08:35	05/17/2023 14:36	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 14:36	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 14:36	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 14:36	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 14:36	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 14:36	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 14:36	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 14:36	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 14:36	KH

Sample Information

Client Sample ID: C-3 **York Sample ID:** 23E0826-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:08 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
91-57-6	**2-Methylnaphthalene**	**78.5**	J	ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 NELAC-NY10854,NJDEP,PADEP	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
83-32-9	**Acenaphthene**	**55.4**	J	ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
98-86-2	Acetophenone	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 NELAC-NY10854,NJDEP,PADEP	KH
62-53-3	Aniline	ND		ug/kg dry	180	361	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 NELAC-NY10854,NJDEP,PADEP	KH
120-12-7	**Anthracene**	**166**		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
1912-24-9	Atrazine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 NELAC-NY10854,NJDEP,PADEP	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: C-3 **York Sample ID:** 23E0826-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:08 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-87-5	Benzidine	ND		ug/kg dry	180	361	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,PADEP	KH
56-55-3	**Benzo(a)anthracene**	**307**		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
50-32-8	**Benzo(a)pyrene**	**272**		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
205-99-2	**Benzo(b)fluoranthene**	**216**		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
191-24-2	**Benzo(g,h,i)perylene**	**137**		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
207-08-9	**Benzo(k)fluoranthene**	**217**		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
65-85-0	Benzoic acid	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 NELAC-NY10854,NJDEP,PADEP	KH
100-51-6	**Benzyl alcohol**	**47.5**	J	ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 NELAC-NY10854,NJDEP,PADEP	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**151**		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
105-60-2	Caprolactam	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 NELAC-NY10854,NJDEP,PADEP	KH
86-74-8	**Carbazole**	**78.5**	J	ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
218-01-9	**Chrysene**	**286**		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
132-64-9	**Dibenzofuran**	**79.9**	J	ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
122-39-4	* Diphenylamine	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36	KH

Sample Information

Client Sample ID: C-3 **York Sample ID:** 23E0826-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:08 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	**Fluoranthene**	**571**		ug/kg dry	45.1	90.0	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:36	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**145**		ug/kg dry	45.1	90.0	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:36	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:36	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:36	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:36	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:36	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**160**		ug/kg dry	45.1	90.0	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:36	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:36	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**133**		ug/kg dry	45.1	90.0	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:36	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:36	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:36	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:36	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:36	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:36	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**686**		ug/kg dry	45.1	90.0	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:36	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:36	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**630**		ug/kg dry	45.1	90.0	2	EPA 8270D	05/16/2023 08:35	05/17/2023 14:36	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*3.40 %*	*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*18.5 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*39.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*36.7 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*1.64 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*38.9 %*	*24-116*

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: C-3 **York Sample ID:** 23E0826-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:08 am	05/12/2023

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	**Octadecadienoic Acid Isomer...**	**19900**	J	ug/kg dry			2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36	KH
NA	**Octadecenoic Acid Isomer RT...**	**16900**	J	ug/kg dry			2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36	KH
NA	**Unknown Fatty Acid RT 11.1**	**2610**	J	ug/kg dry			2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36	KH
NA	**Unknown Fatty Acid RT 9.9**	**5010**	J	ug/kg dry			2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 14:36	KH

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 04:47	BCJ
72-55-9	**4,4'-DDE**	**1.99**		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 04:47	BCJ
50-29-3	4,4'-DDT	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 04:47	BCJ
309-00-2	**Aldrin**	**12.2**		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 04:47	BCJ
319-84-6	alpha-BHC	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 04:47	BCJ
5103-71-9	**alpha-Chlordane**	**2.76**		ug/kg dry	1.78	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/16/2023 09:24	05/18/2023 04:47	BCJ
319-85-7	beta-BHC	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 04:47	BCJ
57-74-9	Chlordane, total	ND		ug/kg dry	3.55	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 04:47	BCJ
319-86-8	delta-BHC	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 04:47	BCJ
60-57-1	**Dieldrin**	**2.18**		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 04:47	BCJ
959-98-8	Endosulfan I	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 04:47	BCJ
33213-65-9	Endosulfan II	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	05/16/2023 09:24	05/18/2023 04:47	BCJ
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 04:47	BCJ
72-20-8	Endrin	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 04:47	BCJ
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 04:47	BCJ
53494-70-5	Endrin ketone	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 04:47	BCJ

Sample Information

Client Sample ID: C-3 **York Sample ID:** 23E0826-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:08 am	05/12/2023

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:47	BCJ
5566-34-7	**gamma-Chlordane**	**2.91**		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP	05/18/2023 04:47	BCJ
76-44-8	Heptachlor	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:47	BCJ
1024-57-3	**Heptachlor epoxide**	**2.13**		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:47	BCJ
72-43-5	Methoxychlor	ND		ug/kg dry	8.88	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:47	BCJ
8001-35-2	Toxaphene	ND		ug/kg dry	89.9	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 04:47	BCJ
57-74-9	* Chlordane, total (alpha, gamma)	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24	05/18/2023 04:47	BCJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*37.8 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*53.3 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 01:36	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 01:36	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 01:36	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 01:36	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 01:36	BCJ
11097-69-1	Aroclor 1254	ND	PCB-I	mg/kg dry	0.0179	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 01:36	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 01:36	BCJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP,PADEP	05/18/2023 01:36	BCJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP,PADEP	05/18/2023 01:36	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	05/16/2023 09:24	05/18/2023 01:36	BCJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*63.5 %*	*30-140*

Sample Information

Client Sample ID: C-3 **York Sample ID:** 23E0826-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:08 am	05/12/2023

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*48.0 %*		*30-140*						

Herbicides, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/kg dry	21.7	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:44	05/19/2023 02:52	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	21.7	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:44	05/19/2023 02:52	BCJ
94-75-7	2,4-D	ND		ug/kg dry	21.7	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:44	05/19/2023 02:52	BCJ

Surrogate Recoveries	Result		Acceptance Range
19719-28-9 *Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*18.2 %*	S-08, S-04	*21-150*

Extractable Total Petroleum Hydrocarbons (ETPH)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 ETPH

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
CT ETPH	*** ETPH (Extractable Total Petroleum Hydrocarbons)**	**484**		mg/kg dry	216	5	CT DEP ETPH Certifications: CTDOH-PH-0723	05/16/2023 08:42	05/19/2023 11:37	GXB

Surrogate Recoveries	Result	Acceptance Range
3386-33-2 *Surrogate: 1-Chlorooctadecane*	*50.6 %*	*50-150*

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total EPH**	**161**		mg/kg dry	54.0	1	NJDEP EPH Rev 3.0 Certifications: NJDEP	05/16/2023 08:47	05/16/2023 21:22	GXB

Surrogate Recoveries	Result	Acceptance Range
3386-33-2 *Surrogate: 1-Chlorooctadecane*	*85.6 %*	*31.6-128*
84-15-1 *Surrogate: o-Terphenyl*	*81.8 %*	*28.7-124*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**10000**		mg/kg dry	4.54	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:47	AJL

Sample Information

Client Sample ID: C-3 **York Sample ID:** 23E0826-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:08 am	05/12/2023

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/kg dry	2.27	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7440-38-2	**Arsenic**	**5.71**		mg/kg dry	1.36	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7440-39-3	**Barium**	**63.6**		mg/kg dry	2.27	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7440-41-7	Beryllium	ND		mg/kg dry	0.046	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7440-43-9	Cadmium	ND		mg/kg dry	0.273	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7440-70-2	**Calcium**	**38000**		mg/kg dry	4.54	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7440-47-3	**Chromium**	**23.6**		mg/kg dry	0.455	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7440-48-4	**Cobalt**	**6.75**		mg/kg dry	0.363	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7440-50-8	**Copper**	**24.5**		mg/kg dry	1.82	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7439-89-6	**Iron**	**13300**		mg/kg dry	22.7	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7439-92-1	**Lead**	**42.3**		mg/kg dry	0.455	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7439-95-4	**Magnesium**	**5750**		mg/kg dry	4.55	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7439-96-5	**Manganese**	**264**		mg/kg dry	0.455	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7440-02-0	**Nickel**	**17.3**		mg/kg dry	0.905	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7440-09-7	**Potassium**	**1090**		mg/kg dry	4.55	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7782-49-2	Selenium	ND		mg/kg dry	2.27	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7440-22-4	Silver	ND		mg/kg dry	0.458	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7440-23-5	**Sodium**	**637**		mg/kg dry	45.4	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7440-28-0	Thallium	ND		mg/kg dry	2.27	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7440-62-2	**Vanadium**	**27.3**		mg/kg dry	0.905	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL
7440-66-6	**Zinc**	**52.6**	M-CCV 1	mg/kg dry	2.26	1	EPA 6010D Certifications:	05/17/2023 14:10 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 10:47	AJL

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: C-3 **York Sample ID:** 23E0826-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:08 am	05/12/2023

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0911**		mg/kg dry	0.0327	1	EPA 7473	05/17/2023 14:10	05/17/2023 22:19	AGNR
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	**Chromium, Hexavalent**	**0.872**		mg/kg dry	0.545	1	EPA 7196A	05/18/2023 14:11	05/18/2023 21:19	ZTS
							Certifications:	NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP		

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.545	1	EPA 9014/9010C	05/17/2023 14:34	05/17/2023 20:46	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	**10.9**		pH units	0.500	1	EPA 9045D	05/15/2023 16:49	05/15/2023 21:57	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP,NJDEP		

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** ORP (Oxidation-Reduction Potential) (Ag/AgCl)**	**140**		mV	-200	1	ASTM 1498-08 M	05/15/2023 16:52	05/15/2023 22:00	SL
							Certifications:			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.7**		%	0.100	1	SM 2540G	05/18/2023 09:34	05/18/2023 14:12	sgs
							Certifications:	CTDOH-PH-0723		

SPLP Extraction for METALS EPA 1312

Log-in Notes:

Sample Notes: **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1312 SPLP for Extr. for Metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:31	05/16/2023 09:46	TAJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: C-3 **York Sample ID:** 23E0826-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:08 am	05/12/2023

SPLP Extraction for SVOC/PEST/HERB 1312 **Log-in Notes:** **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 SPLP Extraction for BNA/Pest/Herb

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:27	05/16/2023 09:42	TAJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

SPLP Extraction for VOA by EPA 1312 ZHE **Log-in Notes:** **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 ZHE for SPLP Volatiles

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:23	05/16/2023 09:39	TAJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: C-4 **York Sample ID:** 23E0826-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:10 am	05/12/2023

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/15/2023 09:25	05/15/2023 16:25	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/15/2023 09:25	05/15/2023 16:25	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/15/2023 09:25	05/15/2023 16:25	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/15/2023 09:25	05/15/2023 16:25	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/15/2023 09:25	05/15/2023 16:25	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/15/2023 09:25	05/15/2023 16:25	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/15/2023 09:25	05/15/2023 16:25	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/15/2023 09:25	05/15/2023 16:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/15/2023 09:25	05/15/2023 16:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/15/2023 09:25	05/15/2023 16:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/15/2023 09:25	05/15/2023 16:25	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: C-4 **York Sample ID:** 23E0826-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:10 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/kg dry	50	100	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	**Acetone**	**37**	ICVE, QL-02	ug/kg dry	5.0	10	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
107-02-8	Acrolein	ND	CCVE	ug/kg dry	5.0	10	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: C-4 **York Sample ID:** 23E0826-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:10 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND	CCVE	ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-20-9	Methyl acetate	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
100-42-5	Styrene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: C-4 **York Sample ID:** 23E0826-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:10 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/15/2023 16:25	BMC
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 16:25	BMC
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 16:25	BMC
108-88-3	Toluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 16:25	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 16:25	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 16:25	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723	05/15/2023 16:25	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 16:25	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 16:25	BMC
75-01-4	Vinyl Chloride	ND	CCVE	ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 16:25	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.5	15	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	05/15/2023 16:25	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.1 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.0 %*	*76-130*

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 16:25	BMC

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	**1,1-Biphenyl**	**57.7**	J	ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH

Sample Information

Client Sample ID: C-4 **York Sample ID:** 23E0826-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:10 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,PADEP	05/17/2023 15:06	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,PADEP	05/17/2023 15:06	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,PADEP	05/17/2023 15:06	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
91-57-6	**2-Methylnaphthalene**	**208**		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:06	KH

Sample Information

Client Sample ID: C-4 **York Sample ID:** 23E0826-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:10 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
83-32-9	**Acenaphthene**	**304**		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
98-86-2	Acetophenone	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 NELAC-NY10854,NJDEP,PADEP	KH
62-53-3	Aniline	ND		ug/kg dry	181	361	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 NELAC-NY10854,NJDEP,PADEP	KH
120-12-7	**Anthracene**	**594**		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
1912-24-9	Atrazine	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 NELAC-NY10854,NJDEP,PADEP	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 NELAC-NY10854,NJDEP,PADEP	KH
92-87-5	Benzidine	ND		ug/kg dry	181	361	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,PADEP	KH
56-55-3	**Benzo(a)anthracene**	**785**		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
50-32-8	**Benzo(a)pyrene**	**635**		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
205-99-2	**Benzo(b)fluoranthene**	**604**		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
191-24-2	**Benzo(g,h,i)perylene**	**313**		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
207-08-9	**Benzo(k)fluoranthene**	**515**		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
65-85-0	Benzoic acid	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 NELAC-NY10854,NJDEP,PADEP	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 NELAC-NY10854,NJDEP,PADEP	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: C-4 **York Sample ID:** 23E0826-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:10 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**136**		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
105-60-2	Caprolactam	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 NELAC-NY10854,NJDEP,PADEP	KH
86-74-8	**Carbazole**	**187**		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
218-01-9	**Chrysene**	**714**		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
53-70-3	**Dibenzo(a,h)anthracene**	**71.4**	J	ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
132-64-9	**Dibenzofuran**	**315**		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
122-39-4	* Diphenylamine	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06	KH
206-44-0	**Fluoranthene**	**1670**		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
86-73-7	**Fluorene**	**435**		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 NELAC-NY10854,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**361**		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
78-59-1	Isophorone	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
91-20-3	**Naphthalene**	**459**		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: C-4 **York Sample ID:** 23E0826-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:10 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
85-01-8	**Phenanthrene**	**2110**		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
108-95-2	Phenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
129-00-0	**Pyrene**	**1740**		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*11.9 %*	*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*31.2 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*38.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*36.2 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*3.88 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*41.6 %*	*24-116*

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	**9-Octadecenoic Acid Isomer ...**	**2300**	J	ug/kg dry			2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06	KH
NA	**Octadecadienoic Acid Isomer...**	**2150**	J	ug/kg dry			2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:06	KH

Pesticides, NJDEP/TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24	05/18/2023 05:05 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	BCJ
72-55-9	4,4'-DDE	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24	05/18/2023 05:05 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	BCJ
50-29-3	4,4'-DDT	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24	05/18/2023 05:05 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	BCJ
309-00-2	**Aldrin**	**10.6**		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24	05/18/2023 05:05 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	BCJ

Sample Information

Client Sample ID: C-4 **York Sample ID:** 23E0826-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:10 am	05/12/2023

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:05	BCJ
5103-71-9	**alpha-Chlordane**	**1.80**		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP	05/18/2023 05:05	BCJ
319-85-7	beta-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:05	BCJ
57-74-9	Chlordane, total	ND		ug/kg dry	3.49	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:05	BCJ
319-86-8	delta-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:05	BCJ
60-57-1	Dieldrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:05	BCJ
959-98-8	Endosulfan I	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:05	BCJ
33213-65-9	Endosulfan II	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854	05/18/2023 05:05	BCJ
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:05	BCJ
72-20-8	Endrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:05	BCJ
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:05	BCJ
53494-70-5	Endrin ketone	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:05	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:05	BCJ
5566-34-7	**gamma-Chlordane**	**1.83**		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP	05/18/2023 05:05	BCJ
76-44-8	Heptachlor	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:05	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:05	BCJ
72-43-5	Methoxychlor	ND		ug/kg dry	8.72	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:05	BCJ
8001-35-2	Toxaphene	ND		ug/kg dry	88.3	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:05	BCJ
57-74-9	* Chlordane, total (alpha, gamma)	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24	05/18/2023 05:05	BCJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*32.6 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*54.8 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: C-4 **York Sample ID:** 23E0826-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:10 am	05/12/2023

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 01:49	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 01:49	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 01:49	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 01:49	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 01:49	BCJ
11097-69-1	Aroclor 1254	ND	PCB-I	mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 01:49	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 01:49	BCJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 01:49	BCJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 09:24	05/18/2023 01:49	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24	05/18/2023 01:49	BCJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*61.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*50.0 %*	*30-140*

Herbicides, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/kg dry	21.6	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:44	05/19/2023 12:58	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	21.6	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:44	05/19/2023 12:58	BCJ
94-75-7	2,4-D	ND		ug/kg dry	21.6	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:44	05/19/2023 12:58	BCJ

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*42.8 %*	*21-150*

Extractable Total Petroleum Hydrocarbons (ETPH)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 ETPH

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
CT ETPH	*** ETPH (Extractable Total Petroleum Hydrocarbons)**	**632**		mg/kg dry	215	5	CT DEP ETPH Certifications: CTDOH-PH-0723	05/16/2023 08:42	05/19/2023 12:15	GXB

Sample Information

Client Sample ID: C-4 **York Sample ID:** 23E0826-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:10 am	05/12/2023

Extractable Total Petroleum Hydrocarbons (ETPH)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 ETPH

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*63.4 %*	*50-150*

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total EPH**	**269**		mg/kg dry	51.2	1	NJDEP EPH Rev 3.0 Certifications: NJDEP	05/16/2023 08:47	05/16/2023 21:51	GXB

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*83.8 %*	*31.6-128*
84-15-1	*Surrogate: o-Terphenyl*	*81.3 %*	*28.7-124*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9880**		mg/kg dry	4.52	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:49	AJL
7440-36-0	Antimony	ND		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:49	AJL
7440-38-2	**Arsenic**	**5.45**		mg/kg dry	1.36	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:49	AJL
7440-39-3	**Barium**	**59.6**		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:49	AJL
7440-41-7	Beryllium	ND		mg/kg dry	0.046	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:49	AJL
7440-43-9	Cadmium	ND		mg/kg dry	0.271	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:49	AJL
7440-70-2	**Calcium**	**21300**		mg/kg dry	4.52	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:49	AJL
7440-47-3	**Chromium**	**22.1**		mg/kg dry	0.453	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:49	AJL
7440-48-4	**Cobalt**	**7.78**		mg/kg dry	0.361	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:49	AJL
7440-50-8	**Copper**	**24.8**		mg/kg dry	1.81	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:49	AJL
7439-89-6	**Iron**	**14100**		mg/kg dry	22.6	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:49	AJL
7439-92-1	**Lead**	**42.1**		mg/kg dry	0.453	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:49	AJL
7439-95-4	**Magnesium**	**4670**		mg/kg dry	4.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:49	AJL

Sample Information

Client Sample ID: C-4 **York Sample ID:** 23E0826-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:10 am	05/12/2023

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**291**		mg/kg dry	0.453	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:49	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**18.6**		mg/kg dry	0.901	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:49	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1060**		mg/kg dry	4.53	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:49	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.26	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:49	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.456	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:49	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**577**		mg/kg dry	45.2	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:49	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.26	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:49	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**26.8**		mg/kg dry	0.901	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:49	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**49.1**	M-CCV 1	mg/kg dry	2.25	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:49	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0868**		mg/kg dry	0.0326	1	EPA 7473	05/17/2023 14:10	05/17/2023 22:19	AGNR
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	**Chromium, Hexavalent**	**1.09**		mg/kg dry	0.543	1	EPA 7196A	05/18/2023 14:11	05/18/2023 21:19	ZTS
							Certifications:	NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP		

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.543	1	EPA 9014/9010C	05/17/2023 14:34	05/17/2023 20:46	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: C-4 **York Sample ID:** 23E0826-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 9:10 am	05/12/2023

pH

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	**10.8**		pH units	0.500	1	EPA 9045D	05/15/2023 16:49	05/15/2023 21:57	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP,NJDEP		

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** ORP (Oxidation-Reduction Potential) (Ag/AgCl)**	**94**		mV	-200	1	ASTM 1498-08 M	05/15/2023 16:52	05/15/2023 22:00	SL
							Certifications:			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.1**		%	0.100	1	SM 2540G	05/18/2023 09:34	05/18/2023 14:12	sgs
							Certifications:	CTDOH-PH-0723		

SPLP Extraction for METALS EPA 1312

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 SPLP for Extr. for Metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:31	05/16/2023 09:46	TAJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

SPLP Extraction for SVOC/PEST/HERB 1312

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 SPLP Extraction for BNA/Pest/Herb

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:27	05/16/2023 09:42	TAJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

SPLP Extraction for VOA by EPA 1312 ZHE

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 ZHE for SPLP Volatiles

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:23	05/16/2023 09:39	TAJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: C-5 **York Sample ID:** 23E0826-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:50 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC NELAC-NY10854,NELAC-NY12058,NJDEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/kg dry	49	98	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: C-5 **York Sample ID:** 23E0826-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:50 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**6.8**	J	ug/kg dry	4.9	9.8	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
107-02-8	Acrolein	ND	CCVE	ug/kg dry	4.9	9.8	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND	CCVE	ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	05/15/2023 09:25	05/15/2023 17:15	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: C-5 **York Sample ID:** 23E0826-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:50 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/15/2023 17:15	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 17:15	BMC
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/15/2023 17:15	BMC
75-09-2	Methylene chloride	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 17:15	BMC
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 17:15	BMC
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 17:15	BMC
95-47-6	o-Xylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/15/2023 17:15	BMC
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/15/2023 17:15	BMC
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 17:15	BMC
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 17:15	BMC
100-42-5	Styrene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 17:15	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/15/2023 17:15	BMC
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 17:15	BMC
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 17:15	BMC
108-88-3	Toluene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 17:15	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 17:15	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 17:15	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723	05/15/2023 17:15	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 17:15	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 17:15	BMC
75-01-4	Vinyl Chloride	ND	CCVE	ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 17:15	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.4	15	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	05/15/2023 17:15	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*112 %*	*77-125*

Sample Information

Client Sample ID: C-5 **York Sample ID:** 23E0826-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:50 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.9 %*			*85-120*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.1 %*			*76-130*						

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 17:15	BMC

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	**1,1-Biphenyl**	**49.5**	J	ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 15:37	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 15:37	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 15:37	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2023 08:35	05/17/2023 15:37	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 15:37	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2023 08:35	05/17/2023 15:37	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2023 08:35	05/17/2023 15:37	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 15:37	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 15:37	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 15:37	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 15:37	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 15:37	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 15:37	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 15:37	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 15:37	KH

Sample Information

Client Sample ID: C-5 **York Sample ID:** 23E0826-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:50 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
91-57-6	**2-Methylnaphthalene**	**276**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
83-32-9	**Acenaphthene**	**198**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
208-96-8	**Acenaphthylene**	**111**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
98-86-2	Acetophenone	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
62-53-3	Aniline	ND		ug/kg dry	180	360	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
120-12-7	**Anthracene**	**660**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
1912-24-9	Atrazine	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 15:37	KH

Sample Information

Client Sample ID: C-5 **York Sample ID:** 23E0826-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:50 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-87-5	Benzidine	ND	CCVE	ug/kg dry	180	360	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,PADEP	KH
56-55-3	**Benzo(a)anthracene**	**1190**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
50-32-8	**Benzo(a)pyrene**	**793**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
205-99-2	**Benzo(b)fluoranthene**	**766**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
191-24-2	**Benzo(g,h,i)perylene**	**336**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
207-08-9	**Benzo(k)fluoranthene**	**787**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
65-85-0	Benzoic acid	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 NELAC-NY10854,NJDEP,PADEP	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 NELAC-NY10854,NJDEP,PADEP	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**1940**	CCVE	ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
105-60-2	Caprolactam	ND	CAL-E	ug/kg dry	89.8	179	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 NELAC-NY10854,NJDEP,PADEP	KH
86-74-8	**Carbazole**	**154**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
218-01-9	**Chrysene**	**1050**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
53-70-3	**Dibenzo(a,h)anthracene**	**105**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
132-64-9	**Dibenzofuran**	**246**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
122-39-4	* Diphenylamine	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37	KH

Sample Information

Client Sample ID: C-5 **York Sample ID:** 23E0826-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:50 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	**Fluoranthene**	**2370**		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 15:37	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**426**		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 15:37	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 15:37	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 15:37	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 15:37	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 15:37	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**429**		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 15:37	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 15:37	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**107**		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 15:37	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 15:37	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 15:37	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 15:37	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 15:37	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 15:37	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**2700**		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 15:37	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 15:37	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**2280**		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 15:37	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*24.5 %*		*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*31.0 %*		*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*37.0 %*		*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*33.5 %*		*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*13.5 %*	S-08	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*35.6 %*		*24-116*

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: C-5 **York Sample ID:** 23E0826-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:50 am	05/12/2023

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	**dimethyl Naphthalene Isomer...**	**1370**	J	ug/kg dry			2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37	KH
NA	**Octadecadienoic Acid Isomer...**	**24200**	J	ug/kg dry			2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37	KH
NA	**Octadecenoic Acid Isomer RT...**	**17100**	J	ug/kg dry			2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37	KH
NA	**Pentadecane Isomer RT 7.4**	**771**	J	ug/kg dry			2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37	KH
NA	**Unknown Fatty Acid RT 11.2**	**3380**	J	ug/kg dry			2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37	KH
NA	**Unknown Fatty Acid RT 9.9**	**5090**	J	ug/kg dry			2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 15:37	KH

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ
72-55-9	4,4'-DDE	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ
50-29-3	4,4'-DDT	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ
309-00-2	Aldrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ
319-84-6	alpha-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP	05/18/2023 05:23	BCJ
319-85-7	beta-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ
57-74-9	Chlordane, total	ND		ug/kg dry	3.49	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ
319-86-8	delta-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ
60-57-1	Dieldrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ
959-98-8	Endosulfan I	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ
33213-65-9	Endosulfan II	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854	05/18/2023 05:23	BCJ
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ
72-20-8	Endrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ

Sample Information

Client Sample ID: C-5 **York Sample ID:** 23E0826-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:50 am	05/12/2023

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ
53494-70-5	Endrin ketone	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP	05/18/2023 05:23	BCJ
76-44-8	Heptachlor	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ
72-43-5	Methoxychlor	ND		ug/kg dry	8.71	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ
8001-35-2	Toxaphene	ND		ug/kg dry	88.2	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:23	BCJ
57-74-9	* Chlordane, total (alpha, gamma)	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24	05/18/2023 05:23	BCJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*33.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*43.9 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:03	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:03	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:03	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:03	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:03	BCJ
11097-69-1	Aroclor 1254	ND	PCB-I	mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:03	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:03	BCJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP,PADEP	05/18/2023 02:03	BCJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP,PADEP	05/18/2023 02:03	BCJ

Sample Information

Client Sample ID: C-5 **York Sample ID:** 23E0826-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:50 am	05/12/2023

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24	05/18/2023 02:03	BCJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*52.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*40.5 %*	*30-140*

Herbicides, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/kg dry	21.3	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:44	05/19/2023 13:08	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	21.3	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:44	05/19/2023 13:08	BCJ
94-75-7	2,4-D	ND		ug/kg dry	21.3	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:44	05/19/2023 13:08	BCJ

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*50.8 %*	*21-150*

Extractable Total Petroleum Hydrocarbons (ETPH)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 ETPH

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
CT ETPH	*** ETPH (Extractable Total Petroleum Hydrocarbons)**	**155**		mg/kg dry	82.3	2	CT DEP ETPH Certifications: CTDOH-PH-0723	05/19/2023 12:39	05/19/2023 16:45	GXB

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*59.0 %*	*50-150*

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total EPH**	**412**		mg/kg dry	52.0	1	NJDEP EPH Rev 3.0 Certifications: NJDEP	05/16/2023 08:47	05/16/2023 22:20	GXB

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*88.6 %*	*31.6-128*
84-15-1	*Surrogate: o-Terphenyl*	*83.0 %*	*28.7-124*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: C-5 **York Sample ID:** 23E0826-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:50 am	05/12/2023

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9200**		mg/kg dry	4.50	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.25	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**6.16**		mg/kg dry	1.35	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**54.6**		mg/kg dry	2.25	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.066**		mg/kg dry	0.045	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.270	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**14400**		mg/kg dry	4.50	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**19.8**		mg/kg dry	0.451	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**6.78**		mg/kg dry	0.360	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**22.5**		mg/kg dry	1.80	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**14300**		mg/kg dry	22.5	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**40.9**		mg/kg dry	0.451	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**5250**		mg/kg dry	4.51	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**279**		mg/kg dry	0.451	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**16.8**		mg/kg dry	0.897	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**964**		mg/kg dry	4.51	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.25	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.454	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**504**		mg/kg dry	45.0	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.25	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**26.2**		mg/kg dry	0.897	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**52.1**	M-CCV 1	mg/kg dry	2.24	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:52	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: C-5 **York Sample ID:** 23E0826-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:50 am	05/12/2023

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0820**		mg/kg dry	0.0324	1	EPA 7473	05/17/2023 14:10	05/17/2023 22:19	AGNR
							Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.540	1	EPA 7196A	05/18/2023 14:11	05/18/2023 21:19	ZTS
							Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP			

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.540	1	EPA 9014/9010C	05/17/2023 14:34	05/17/2023 20:46	SL
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			

pH

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	**10.4**		pH units	0.500	1	EPA 9045D	05/15/2023 16:49	05/15/2023 21:57	SL
							Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP,NJDEP			

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** ORP (Oxidation-Reduction Potential) (Ag/AgCl)**	**110**		mV	-200	1	ASTM 1498-08 M	05/15/2023 16:52	05/15/2023 22:00	SL
							Certifications:			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.5**		%	0.100	1	SM 2540G	05/18/2023 09:34	05/18/2023 14:12	sgs
							Certifications: CTDOH-PH-0723			

SPLP Extraction for METALS EPA 1312

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1312 SPLP for Extr. for Metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: C-5 **York Sample ID:** 23E0826-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:50 am	05/12/2023

SPLP Extraction for METALS EPA 1312

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 SPLP for Extr. for Metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:31	05/16/2023 09:46	TAJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

SPLP Extraction for SVOC/PEST/HERB 1312

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 SPLP Extraction for BNA/Pest/Herb

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:27	05/16/2023 09:42	TAJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

SPLP Extraction for VOA by EPA 1312 ZHE

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 ZHE for SPLP Volatiles

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:23	05/16/2023 09:39	TAJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: C-6 **York Sample ID:** 23E0826-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:57 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	05/15/2023 09:25	05/15/2023 18:05	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	05/15/2023 09:25	05/15/2023 18:05	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	05/15/2023 09:25	05/15/2023 18:05	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	05/15/2023 09:25	05/15/2023 18:05	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	05/15/2023 09:25	05/15/2023 18:05	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	05/15/2023 09:25	05/15/2023 18:05	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	05/15/2023 09:25	05/15/2023 18:05	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: C-6 **York Sample ID:** 23E0826-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:57 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
123-91-1	1,4-Dioxane	ND		ug/kg dry	57	110	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
591-78-6	2-Hexanone	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
67-64-1	**Acetone**	**40**	ICVE, QL-02	ug/kg dry	5.7	11	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	BMC
107-02-8	Acrolein	ND	CCVE	ug/kg dry	5.7	11	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
107-13-1	Acrylonitrile	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
71-43-2	Benzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC

Sample Information

Client Sample ID: C-6 **York Sample ID:** 23E0826-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:57 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND	CCVE	ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-82-7	Cyclohexane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-20-9	Methyl acetate	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/kg dry	5.7	11	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP

Sample Information

Client Sample ID: C-6 **York Sample ID:** 23E0826-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:57 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.7	11	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
100-42-5	Styrene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-88-3	Toluene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-01-4	Vinyl Chloride	ND	CCVE	ug/kg dry	2.8	5.7	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.9 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.1 %*	*76-130*

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 18:05	BMC

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: C-6 **York Sample ID:** 23E0826-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:57 am	05/12/2023

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,PADEP	05/17/2023 16:07	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,PADEP	05/17/2023 16:07	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,PADEP	05/17/2023 16:07	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH

Sample Information

Client Sample ID: C-6 **York Sample ID:** 23E0826-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:57 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
83-32-9	Acenaphthene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
98-86-2	Acetophenone	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
62-53-3	Aniline	ND		ug/kg dry	180	360	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
120-12-7	**Anthracene**	**78.4**	J	ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
1912-24-9	Atrazine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
92-87-5	Benzidine	ND	CCVE	ug/kg dry	180	360	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,PADEP	05/17/2023 16:07	KH
56-55-3	**Benzo(a)anthracene**	**242**		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
50-32-8	**Benzo(a)pyrene**	**201**		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
205-99-2	**Benzo(b)fluoranthene**	**207**		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
191-24-2	**Benzo(g,h,i)perylene**	**105**		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
207-08-9	**Benzo(k)fluoranthene**	**172**		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
65-85-0	Benzoic acid	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH

Sample Information

Client Sample ID: C-6 **York Sample ID:** 23E0826-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:57 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
105-60-2	Caprolactam	ND	CAL-E	ug/kg dry	90.0	180	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
86-74-8	Carbazole	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
218-01-9	**Chrysene**	**233**		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
122-39-4	* Diphenylamine	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 16:07	KH
206-44-0	**Fluoranthene**	**400**		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
86-73-7	**Fluorene**	**45.3**	J	ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**135**		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
78-59-1	Isophorone	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
91-20-3	Naphthalene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH

Sample Information

Client Sample ID: C-6 **York Sample ID:** 23E0826-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:57 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
85-01-8	**Phenanthrene**	**291**		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
108-95-2	Phenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH
129-00-0	**Pyrene**	**506**		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:07	KH

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*24.2 %*		*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*32.8 %*		*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*34.1 %*		*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*34.6 %*		*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*11.3 %*	S-08	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*40.7 %*		*24-116*

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	**Octadecadienoic Acid Isomer...**	**1880**	J	ug/kg dry			2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 16:07	KH
NA	**Octadecenoic Acid Isomer RT...**	**1710**	J	ug/kg dry			2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 16:07	KH

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:41	BCJ
72-55-9	4,4'-DDE	ND		ug/kg dry	1.76	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:41	BCJ

Sample Information

Client Sample ID: C-6 **York Sample ID:** 23E0826-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:57 am	05/12/2023

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-29-3	**4,4'-DDT**	**5.94**		ug/kg dry	1.76	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
309-00-2	**Aldrin**	**3.61**		ug/kg dry	1.76	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		ug/kg dry	1.76	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	**alpha-Chlordane**	**2.21**		ug/kg dry	1.76	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		ug/kg dry	1.76	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
57-74-9	Chlordane, total	ND		ug/kg dry	3.51	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		ug/kg dry	1.76	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		ug/kg dry	1.76	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		ug/kg dry	1.76	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		ug/kg dry	1.76	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.76	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		ug/kg dry	1.76	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.76	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		ug/kg dry	1.76	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.76	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	**gamma-Chlordane**	**2.13**		ug/kg dry	1.76	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		ug/kg dry	1.76	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.76	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		ug/kg dry	8.78	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		ug/kg dry	88.9	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
57-74-9	* Chlordane, total (alpha, gamma)	ND		ug/kg dry	1.76	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:41	BCJ
							Certifications:			

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*26.3 %*	S-08, S-GC	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*44.7 %*		*30-140*

Sample Information

Client Sample ID: C-6 **York Sample ID:** 23E0826-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:57 am	05/12/2023

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:17	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:17	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:17	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:17	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:17	BCJ
11097-69-1	Aroclor 1254	ND	PCB-I	mg/kg dry	0.0177	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:17	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:17	BCJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP,PADEP	05/18/2023 02:17	BCJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP,PADEP	05/18/2023 02:17	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	05/16/2023 09:24	05/18/2023 02:17	BCJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*50.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*37.5 %*	*30-140*

Herbicides, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/kg dry	21.2	1	EPA 8151A Certifications:	05/16/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 13:19	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	21.2	1	EPA 8151A Certifications:	05/16/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 13:19	BCJ
94-75-7	2,4-D	ND		ug/kg dry	21.2	1	EPA 8151A Certifications:	05/16/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 13:19	BCJ

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*40.6 %*	*21-150*

Extractable Total Petroleum Hydrocarbons (ETPH)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 ETPH

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: C-6 **York Sample ID:** 23E0826-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:57 am	05/12/2023

Extractable Total Petroleum Hydrocarbons (ETPH)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 ETPH

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
CT ETPH	*** ETPH (Extractable Total Petroleum Hydrocarbons)**	**287**		mg/kg dry	204	5	CT DEP ETPH	05/19/2023 11:52	05/19/2023 17:24	GXB
							Certifications: CTDOH-PH-0723			

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*92.6 %*	*50-150*

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total EPH**	**226**		mg/kg dry	53.6	1	NJDEP EPH Rev 3.0	05/16/2023 08:47	05/16/2023 22:50	GXB
							Certifications: NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*83.9 %*	*31.6-128*
84-15-1	*Surrogate: o-Terphenyl*	*80.2 %*	*28.7-124*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9280**		mg/kg dry	4.51	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.25	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**5.64**		mg/kg dry	1.35	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**66.4**		mg/kg dry	2.25	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.045	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.271	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**15500**		mg/kg dry	4.51	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**19.1**		mg/kg dry	0.451	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**7.06**		mg/kg dry	0.360	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**27.1**		mg/kg dry	1.80	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**14300**		mg/kg dry	22.5	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: C-6 **York Sample ID:** 23E0826-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:57 am	05/12/2023

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**48.0**		mg/kg dry	0.451	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**4060**		mg/kg dry	4.51	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**250**		mg/kg dry	0.451	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**17.6**		mg/kg dry	0.898	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**994**		mg/kg dry	4.51	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.25	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.455	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**625**		mg/kg dry	45.1	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.25	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**29.2**		mg/kg dry	0.898	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**50.5**	M-CCV 1	mg/kg dry	2.25	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:54	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.121**		mg/kg dry	0.0325	1	EPA 7473	05/17/2023 14:10	05/17/2023 22:19	AGNR
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	**Chromium, Hexavalent**	**0.736**		mg/kg dry	0.541	1	EPA 7196A	05/18/2023 14:11	05/18/2023 21:19	ZTS
							Certifications:	NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP		

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.541	1	EPA 9014/9010C	05/18/2023 07:58	05/18/2023 12:41	SMK
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: C-6 **York Sample ID:** 23E0826-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:57 am	05/12/2023

pH

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	**10.7**		pH units	0.500	1	EPA 9045D	05/15/2023 16:49	05/15/2023 21:57	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP,NJDEP		

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** ORP (Oxidation-Reduction Potential) (Ag/AgCl)**	**86**		mV	-200	1	ASTM 1498-08 M	05/15/2023 16:52	05/15/2023 22:00	SL
							Certifications:			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.4**		%	0.100	1	SM 2540G	05/18/2023 09:34	05/18/2023 14:12	sgs
							Certifications:	CTDOH-PH-0723		

SPLP Extraction for METALS EPA 1312

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 SPLP for Extr. for Metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:31	05/16/2023 09:46	TAJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

SPLP Extraction for SVOC/PEST/HERB 1312

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 SPLP Extraction for BNA/Pest/Herb

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:27	05/16/2023 09:42	TAJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

SPLP Extraction for VOA by EPA 1312 ZHE

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 ZHE for SPLP Volatiles

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:23	05/16/2023 09:39	TAJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: C-7 **York Sample ID:** 23E0826-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:35 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/kg dry	52	100	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**6.0**		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: C-7 **York Sample ID:** 23E0826-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:35 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**36**	ICVE, QL-02	ug/kg dry	5.2	10	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
107-02-8	Acrolein	ND	CCVE	ug/kg dry	5.2	10	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND	CCVE	ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/15/2023 09:25	05/15/2023 19:47	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: C-7 **York Sample ID:** 23E0826-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:35 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/15/2023 19:47	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 19:47	BMC
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/15/2023 19:47	BMC
75-09-2	Methylene chloride	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 19:47	BMC
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 19:47	BMC
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 19:47	BMC
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/15/2023 19:47	BMC
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/15/2023 19:47	BMC
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 19:47	BMC
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 19:47	BMC
100-42-5	Styrene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 19:47	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/15/2023 19:47	BMC
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 19:47	BMC
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 19:47	BMC
108-88-3	Toluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 19:47	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 19:47	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 19:47	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723	05/15/2023 19:47	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 19:47	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 19:47	BMC
75-01-4	Vinyl Chloride	ND	CCVE	ug/kg dry	2.6	5.2	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 19:47	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.8	16	1	EPA 8260C Certifications:	05/15/2023 09:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	05/15/2023 19:47	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*77-125*

Sample Information

Client Sample ID: C-7 **York Sample ID:** 23E0826-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:35 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.2 %*			*85-120*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*93.8 %*			*76-130*						

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	05/15/2023 09:25	05/15/2023 19:47	BMC

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 16:38	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 16:38	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 16:38	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2023 08:35	05/17/2023 16:38	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 16:38	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2023 08:35	05/17/2023 16:38	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2023 08:35	05/17/2023 16:38	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 16:38	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 16:38	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 16:38	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 16:38	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 16:38	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 16:38	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 16:38	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:35	05/17/2023 16:38	KH

Sample Information

Client Sample ID: C-7 **York Sample ID:** 23E0826-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:35 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
83-32-9	Acenaphthene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
98-86-2	Acetophenone	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
62-53-3	Aniline	ND		ug/kg dry	180	360	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
120-12-7	**Anthracene**	**80.4**	J	ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
1912-24-9	Atrazine	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH

Sample Information

Client Sample ID: C-7 **York Sample ID:** 23E0826-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:35 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-87-5	Benzidine	ND		ug/kg dry	180	360	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,PADEP	05/17/2023 16:38	KH
56-55-3	**Benzo(a)anthracene**	**238**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
50-32-8	**Benzo(a)pyrene**	**199**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
205-99-2	**Benzo(b)fluoranthene**	**194**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
191-24-2	**Benzo(g,h,i)perylene**	**101**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
207-08-9	**Benzo(k)fluoranthene**	**168**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
65-85-0	Benzoic acid	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
105-60-2	Caprolactam	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
86-74-8	Carbazole	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
218-01-9	**Chrysene**	**241**		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.0	89.8	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 16:38	KH
122-39-4	* Diphenylamine	ND		ug/kg dry	89.8	179	2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 16:38	KH

Sample Information

Client Sample ID: C-7 **York Sample ID:** 23E0826-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:35 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	**Fluoranthene**	**355**		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**126**		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**272**		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**461**		ug/kg dry	45.0	89.8	2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*13.6 %*	*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*33.2 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*42.3 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*42.0 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*3.88 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*46.2 %*	*24-116*

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: C-7 **York Sample ID:** 23E0826-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:35 am	05/12/2023

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	**Octadecadienoic Acid Isomer...**	**2190**	J	ug/kg dry			2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:			
NA	**Octadecenoic Acid Isomer RT...**	**1940**	J	ug/kg dry			2	EPA 8270D	05/16/2023 08:35	05/17/2023 16:38	KH
								Certifications:			

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.74	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		ug/kg dry	1.74	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		ug/kg dry	1.74	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
309-00-2	**Aldrin**	**2.82**		ug/kg dry	1.74	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		ug/kg dry	1.74	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.74	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		ug/kg dry	1.74	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
57-74-9	Chlordane, total	ND		ug/kg dry	3.49	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		ug/kg dry	1.74	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		ug/kg dry	1.74	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		ug/kg dry	1.74	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		ug/kg dry	1.74	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.74	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		ug/kg dry	1.74	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.74	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		ug/kg dry	1.74	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.74	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.74	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		ug/kg dry	1.74	5	EPA 8081B	05/16/2023 09:24	05/18/2023 05:59	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: C-7 **York Sample ID:** 23E0826-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:35 am	05/12/2023

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:59	BCJ
72-43-5	Methoxychlor	ND		ug/kg dry	8.71	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:59	BCJ
8001-35-2	Toxaphene	ND		ug/kg dry	88.2	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 05:59	BCJ
57-74-9	* Chlordane, total (alpha, gamma)	ND		ug/kg dry	1.74	5	EPA 8081B Certifications:	05/16/2023 09:24	05/18/2023 05:59	BCJ

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*23.5 %*	S-08, S-GC	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*37.1 %*		*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:31	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:31	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:31	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:31	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:31	BCJ
11097-69-1	Aroclor 1254	ND	PCB-I	mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:31	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:31	BCJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP,PADEP	05/18/2023 02:31	BCJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP,PADEP	05/18/2023 02:31	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/16/2023 09:24	05/18/2023 02:31	BCJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*42.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*31.0 %*	*30-140*

Herbicides, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: C-7 **York Sample ID:** 23E0826-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:35 am	05/12/2023

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/kg dry	21.3	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:44	05/19/2023 03:35	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	21.3	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:44	05/19/2023 03:35	BCJ
94-75-7	2,4-D	ND		ug/kg dry	21.3	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/16/2023 08:44	05/19/2023 03:35	BCJ

	Surrogate Recoveries	Result		Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*12.2 %*	S-04, S-08	*21-150*

Extractable Total Petroleum Hydrocarbons (ETPH)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 ETPH

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
CT ETPH	*** ETPH (Extractable Total Petroleum Hydrocarbons)**	**609**		mg/kg dry	205	5	CT DEP ETPH Certifications: CTDOH-PH-0723	05/16/2023 08:42	05/19/2023 12:54	GXB

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*64.4 %*	*50-150*

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total EPH**	**182**		mg/kg dry	49.7	1	NJDEP EPH Rev 3.0 Certifications: NJDEP	05/16/2023 08:47	05/16/2023 23:19	GXB

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*83.3 %*	*31.6-128*
84-15-1	*Surrogate: o-Terphenyl*	*82.3 %*	*28.7-124*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9350**		mg/kg dry	4.52	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:57	AJL
7440-36-0	Antimony	ND		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:57	AJL
7440-38-2	**Arsenic**	**6.40**		mg/kg dry	1.36	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:57	AJL
7440-39-3	**Barium**	**56.3**		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:57	AJL
7440-41-7	**Beryllium**	**0.047**		mg/kg dry	0.046	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 10:57	AJL

Sample Information

Client Sample ID: C-7 **York Sample ID:** 23E0826-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:35 am	05/12/2023

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/kg dry	0.271	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:57	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**27700**		mg/kg dry	4.52	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:57	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**20.2**		mg/kg dry	0.452	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:57	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**6.71**		mg/kg dry	0.361	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:57	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**26.8**		mg/kg dry	1.81	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:57	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**13400**		mg/kg dry	22.6	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:57	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**42.9**		mg/kg dry	0.452	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:57	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**5510**		mg/kg dry	4.52	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:57	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**264**		mg/kg dry	0.452	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:57	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**15.2**		mg/kg dry	0.900	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:57	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1130**		mg/kg dry	4.52	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:57	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.26	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:57	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.455	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:57	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**509**		mg/kg dry	45.2	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:57	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.26	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:57	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**27.0**		mg/kg dry	0.900	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:57	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**56.0**	M-CCV 1	mg/kg dry	2.25	1	EPA 6010D	05/17/2023 14:10	05/19/2023 10:57	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0911**		mg/kg dry	0.0325	1	EPA 7473	05/17/2023 14:10	05/17/2023 22:19	AGNR
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: C-7 **York Sample ID:** 23E0826-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:35 am	05/12/2023

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	**Chromium, Hexavalent**	**0.954**		mg/kg dry	0.542	1	EPA 7196A	05/18/2023 14:11	05/18/2023 21:19	ZTS
							Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.542	1	EPA 9014/9010C	05/18/2023 07:58	05/18/2023 12:41	SMK
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	**10.9**		pH units	0.500	1	EPA 9045D	05/15/2023 16:49	05/15/2023 21:57	SL
							Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP,NJDEP			

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** ORP (Oxidation-Reduction Potential) (Ag/AgCl)**	**86**		mV	-200	1	ASTM 1498-08 M	05/15/2023 16:52	05/15/2023 22:00	SL
							Certifications:			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.2**		%	0.100	1	SM 2540G	05/18/2023 09:34	05/18/2023 14:12	sgs
							Certifications: CTDOH-PH-0723			

SPLP Extraction for METALS EPA 1312

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 SPLP for Extr. for Metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:31	05/16/2023 09:46	TAJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			

SPLP Extraction for SVOC/PEST/HERB 1312

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 SPLP Extraction for BNA/Pest/Herb

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:27	05/16/2023 09:42	TAJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: C-7 **York Sample ID:** 23E0826-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:35 am	05/12/2023

SPLP Extraction for VOA by EPA 1312 ZHE **Log-in Notes:** **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 ZHE for SPLP Volatiles

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312	05/15/2023 12:23	05/16/2023 09:39	TAJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: C-8 **York Sample ID:** 23E0826-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:38 am	05/12/2023

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	05/16/2023 08:00	05/16/2023 11:32	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	05/16/2023 08:00	05/16/2023 11:32	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	05/16/2023 08:00	05/16/2023 11:32	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	05/16/2023 08:00	05/16/2023 11:32	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	05/16/2023 08:00	05/16/2023 11:32	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	05/16/2023 08:00	05/16/2023 11:32	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	05/16/2023 08:00	05/16/2023 11:32	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	05/16/2023 08:00	05/16/2023 11:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	05/16/2023 08:00	05/16/2023 11:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	05/16/2023 08:00	05/16/2023 11:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	05/16/2023 08:00	05/16/2023 11:32	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	05/16/2023 08:00	05/16/2023 11:32	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	05/16/2023 08:00	05/16/2023 11:32	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	05/16/2023 08:00	05/16/2023 11:32	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	05/16/2023 08:00	05/16/2023 11:32	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: C-8 **York Sample ID:** 23E0826-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:38 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/kg dry	47	94	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	**Acetone**	**36**	ICVE, QL-02	ug/kg dry	4.7	9.4	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
107-02-8	Acrolein	ND		ug/kg dry	4.7	9.4	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	Benzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: C-8 **York Sample ID:** 23E0826-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:38 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
110-82-7	Cyclohexane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
79-20-9	Methyl acetate	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
75-09-2	Methylene chloride	ND		ug/kg dry	4.7	9.4	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	BMC
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.7	9.4	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	BMC
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
100-42-5	Styrene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-88-3	Toluene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC

Sample Information

Client Sample ID: C-8 **York Sample ID:** 23E0826-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:38 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/16/2023 11:32	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/16/2023 11:32	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00 CTDOH-PH-0723	05/16/2023 11:32	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/16/2023 11:32	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/16/2023 11:32	BMC
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications:	05/16/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/16/2023 11:32	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	05/16/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	05/16/2023 11:32	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.1 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*95.4 %*	*76-130*

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	05/16/2023 08:00	05/16/2023 11:32	BMC

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	90.4	181	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,PADEP	05/17/2023 17:08	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,PADEP	05/17/2023 17:08	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,PADEP	05/17/2023 17:08	KH

Sample Information

Client Sample ID: C-8 **York Sample ID:** 23E0826-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:38 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	90.4	181	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	90.4	181	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	90.4	181	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	90.4	181	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	90.4	181	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	90.4	181	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH

Sample Information

Client Sample ID: C-8 **York Sample ID:** 23E0826-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:38 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		ug/kg dry	90.4	181	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
83-32-9	Acenaphthene	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
98-86-2	Acetophenone	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
62-53-3	Aniline	ND		ug/kg dry	181	362	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
120-12-7	**Anthracene**	**121**		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
1912-24-9	Atrazine	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
92-87-5	Benzidine	ND		ug/kg dry	181	362	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,PADEP	05/17/2023 17:08	KH
56-55-3	**Benzo(a)anthracene**	**252**		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
50-32-8	**Benzo(a)pyrene**	**198**		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
205-99-2	**Benzo(b)fluoranthene**	**211**		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
191-24-2	**Benzo(g,h,i)perylene**	**91.0**		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
207-08-9	**Benzo(k)fluoranthene**	**146**		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
65-85-0	Benzoic acid	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
85-68-7	**Benzyl butyl phthalate**	**1180**		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
105-60-2	Caprolactam	ND		ug/kg dry	90.4	181	2	EPA 8270D Certifications:	05/16/2023 08:35 NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
86-74-8	Carbazole	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH

Sample Information

Client Sample ID: C-8 **York Sample ID:** 23E0826-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:38 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	**Chrysene**	**238**		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
122-39-4	* Diphenylamine	ND		ug/kg dry	90.4	181	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:			
206-44-0	**Fluoranthene**	**431**		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**69.4**	J	ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**105**		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**373**		ug/kg dry	45.3	90.4	2	EPA 8270D	05/16/2023 08:35	05/17/2023 17:08	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: C-8 **York Sample ID:** 23E0826-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:38 am	05/12/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH
129-00-0	**Pyrene**	**538**		ug/kg dry	45.3	90.4	2	EPA 8270D Certifications:	05/16/2023 08:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 17:08	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*10.2 %*	*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*30.3 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*36.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*34.2 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*1.56 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*41.8 %*	*24-116*

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	**Octadecadienoic Acid Isomer...**	**1930**	J	ug/kg dry			2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 17:08	KH
NA	**Octadecenoic Acid Isomer RT...**	**1500**	J	ug/kg dry			2	EPA 8270D Certifications:	05/16/2023 08:35	05/17/2023 17:08	KH

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ
72-55-9	4,4'-DDE	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ
50-29-3	4,4'-DDT	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ
309-00-2	**Aldrin**	**3.22**		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ
319-84-6	alpha-BHC	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP	05/18/2023 06:17	BCJ
319-85-7	beta-BHC	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ
57-74-9	Chlordane, total	ND		ug/kg dry	3.56	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ

Sample Information

Client Sample ID: C-8 **York Sample ID:** 23E0826-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:38 am	05/12/2023

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ
60-57-1	Dieldrin	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ
959-98-8	Endosulfan I	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ
33213-65-9	Endosulfan II	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854	05/18/2023 06:17	BCJ
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ
72-20-8	Endrin	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ
53494-70-5	Endrin ketone	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP	05/18/2023 06:17	BCJ
76-44-8	Heptachlor	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ
72-43-5	Methoxychlor	ND		ug/kg dry	8.91	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ
8001-35-2	Toxaphene	ND		ug/kg dry	90.2	5	EPA 8081B Certifications:	05/16/2023 09:24 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 06:17	BCJ
57-74-9	* Chlordane, total (alpha, gamma)	ND		ug/kg dry	1.78	5	EPA 8081B Certifications:	05/16/2023 09:24	05/18/2023 06:17	BCJ

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*27.3 %*	S-08, S-GC	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*42.4 %*		*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:44	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:44	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:44	BCJ

Sample Information

Client Sample ID: C-8 **York Sample ID:** 23E0826-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:38 am	05/12/2023

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:44	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:44	BCJ
11097-69-1	Aroclor 1254	ND	PCB-I	mg/kg dry	0.0180	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:44	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 02:44	BCJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP,PADEP	05/18/2023 02:44	BCJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	05/16/2023 09:24 NELAC-NY10854,NJDEP,PADEP	05/18/2023 02:44	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	05/16/2023 09:24	05/18/2023 02:44	BCJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*45.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*34.0 %*	*30-140*

Herbicides, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/kg dry	21.5	1	EPA 8151A Certifications:	05/16/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 13:30	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	21.5	1	EPA 8151A Certifications:	05/16/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 13:30	BCJ
94-75-7	2,4-D	ND		ug/kg dry	21.5	1	EPA 8151A Certifications:	05/16/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 13:30	BCJ

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*38.4 %*	*21-150*

Extractable Total Petroleum Hydrocarbons (ETPH)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 ETPH

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
CT ETPH	*** ETPH (Extractable Total Petroleum Hydrocarbons)**	**238**		mg/kg dry	215	5	CT DEP ETPH Certifications:	05/19/2023 11:52 CTDOH-PH-0723	05/19/2023 18:02	GXB

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*88.8 %*	*50-150*

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: C-8 **York Sample ID:** 23E0826-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:38 am	05/12/2023

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total EPH**	**206**		mg/kg dry	53.8	1	NJDEP EPH Rev 3.0 Certifications: NJDEP	05/16/2023 08:47	05/16/2023 23:48	GXB

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*89.6 %*	*31.6-128*
84-15-1	*Surrogate: o-Terphenyl*	*85.1 %*	*28.7-124*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**10800**		mg/kg dry	4.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 11:34	AJL
7440-36-0	Antimony	ND		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 11:34	AJL
7440-38-2	**Arsenic**	**6.66**		mg/kg dry	1.36	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 11:34	AJL
7440-39-3	**Barium**	**64.5**		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 11:34	AJL
7440-41-7	Beryllium	ND		mg/kg dry	0.046	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 11:34	AJL
7440-43-9	Cadmium	ND		mg/kg dry	0.272	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 11:34	AJL
7440-70-2	**Calcium**	**27600**		mg/kg dry	4.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 11:34	AJL
7440-47-3	**Chromium**	**26.4**		mg/kg dry	0.453	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 11:34	AJL
7440-48-4	**Cobalt**	**7.40**		mg/kg dry	0.362	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 11:34	AJL
7440-50-8	**Copper**	**25.4**		mg/kg dry	1.81	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 11:34	AJL
7439-89-6	**Iron**	**16700**		mg/kg dry	22.7	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 11:34	AJL
7439-92-1	**Lead**	**49.0**		mg/kg dry	0.453	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 11:34	AJL
7439-95-4	**Magnesium**	**5250**		mg/kg dry	4.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 11:34	AJL
7439-96-5	**Manganese**	**274**		mg/kg dry	0.453	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 11:34	AJL
7440-02-0	**Nickel**	**19.7**	M-CCV 1	mg/kg dry	0.903	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 11:34	AJL
7440-09-7	**Potassium**	**1130**		mg/kg dry	4.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 11:34	AJL
7782-49-2	Selenium	ND		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 14:10	05/19/2023 11:34	AJL

Sample Information

Client Sample ID: C-8 **York Sample ID:** 23E0826-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:38 am	05/12/2023

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/kg dry	0.457	1	EPA 6010D	05/17/2023 14:10	05/19/2023 11:34	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**545**		mg/kg dry	45.3	1	EPA 6010D	05/17/2023 14:10	05/19/2023 11:34	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.27	1	EPA 6010D	05/17/2023 14:10	05/19/2023 11:34	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**29.6**		mg/kg dry	0.903	1	EPA 6010D	05/17/2023 14:10	05/19/2023 11:34	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**58.2**	M-CCV 1	mg/kg dry	2.26	1	EPA 6010D	05/17/2023 14:10	05/19/2023 11:34	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0884**		mg/kg dry	0.0326	1	EPA 7473	05/17/2023 14:10	05/17/2023 22:19	AGNR
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	**Chromium, Hexavalent**	**1.09**		mg/kg dry	0.544	1	EPA 7196A	05/18/2023 14:11	05/18/2023 21:19	ZTS
							Certifications:	NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP		

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.544	1	EPA 9014/9010C	05/18/2023 07:58	05/18/2023 12:41	SMK
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

pH

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	**11.1**		pH units	0.500	1	EPA 9045D	05/15/2023 16:49	05/15/2023 21:57	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP,NJDEP		

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: C-8 **York Sample ID:** 23E0826-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0826	Durante Bros	Soil	May 12, 2023 8:38 am	05/12/2023

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** ORP (Oxidation-Reduction Potential) (Ag/AgCl)**	**82**		mV	-200	1	ASTM 1498-08 M Certifications:	05/15/2023 16:52	05/15/2023 22:00	SL

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.0**		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	05/18/2023 09:34	05/18/2023 14:12	sgs

SPLP Extraction for METALS EPA 1312

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 SPLP for Extr. for Metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/15/2023 12:31	05/16/2023 09:46	TAJ

SPLP Extraction for SVOC/PEST/HERB 1312

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 SPLP Extraction for BNA/Pest/Herb

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/15/2023 12:27	05/16/2023 09:42	TAJ

SPLP Extraction for VOA by EPA 1312 ZHE

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 ZHE for SPLP Volatiles

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		N/A	1.00	1	EPA 1312 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/15/2023 12:23	05/16/2023 09:39	TAJ

Analytical Batch Summary

Batch ID: BE30977 **Preparation Method:** EPA SW 846-1312 ZHE for SPLP Vol **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
23E0826-01	C-1	05/15/23
23E0826-02	C-2	05/15/23
23E0826-03	C-3	05/15/23
23E0826-04	C-4	05/15/23
23E0826-05	C-5	05/15/23
23E0826-06	C-6	05/15/23
23E0826-07	C-7	05/15/23
23E0826-08	C-8	05/15/23
BE30977-BLK1	Blank	05/15/23

Batch ID: BE30979 **Preparation Method:** EPA SW 846-1312 SPLP Extraction fc **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
23E0826-01	C-1	05/15/23
23E0826-02	C-2	05/15/23
23E0826-03	C-3	05/15/23
23E0826-04	C-4	05/15/23
23E0826-05	C-5	05/15/23
23E0826-06	C-6	05/15/23
23E0826-07	C-7	05/15/23
23E0826-08	C-8	05/15/23
BE30979-BLK1	Blank	05/15/23

Batch ID: BE30980 **Preparation Method:** EPA SW 846-1312 SPLP for Extr. for **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
23E0826-01	C-1	05/15/23
23E0826-02	C-2	05/15/23
23E0826-03	C-3	05/15/23
23E0826-04	C-4	05/15/23
23E0826-05	C-5	05/15/23
23E0826-06	C-6	05/15/23
23E0826-07	C-7	05/15/23
23E0826-08	C-8	05/15/23
BE30980-BLK1	Blank	05/15/23

Batch ID: BE31002 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23E0826-01	C-1	05/15/23
23E0826-02	C-2	05/15/23
23E0826-03	C-3	05/15/23
23E0826-04	C-4	05/15/23
23E0826-05	C-5	05/15/23

23E0826-06	C-6	05/15/23
23E0826-07	C-7	05/15/23
BE31002-BLK1	Blank	05/15/23
BE31002-BS1	LCS	05/15/23
BE31002-BSD1	LCS Dup	05/15/23

Batch ID: BE31004 **Preparation Method:** EPA 5035A **Prepared By:** AC

YORK Sample ID	Client Sample ID	Preparation Date
23E0826-08	C-8	05/16/23
BE31004-BLK1	Blank	05/16/23
BE31004-BS1	LCS	05/16/23
BE31004-BSD1	LCS Dup	05/16/23
BE31004-MS1	Matrix Spike	05/16/23
BE31004-MSD1	Matrix Spike Dup	05/16/23

Batch ID: BE31039 **Preparation Method:** Analysis Preparation **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23E0826-01	C-1	05/15/23
23E0826-02	C-2	05/15/23
23E0826-03	C-3	05/15/23
23E0826-04	C-4	05/15/23
23E0826-05	C-5	05/15/23
23E0826-06	C-6	05/15/23
23E0826-07	C-7	05/15/23
23E0826-08	C-8	05/15/23
BE31039-DUP1	Duplicate	05/15/23

Batch ID: BE31040 **Preparation Method:** Analysis Preparation **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23E0826-01	C-1	05/15/23
23E0826-02	C-2	05/15/23
23E0826-03	C-3	05/15/23
23E0826-04	C-4	05/15/23
23E0826-05	C-5	05/15/23
23E0826-06	C-6	05/15/23
23E0826-07	C-7	05/15/23
23E0826-08	C-8	05/15/23
BE31040-DUP1	Duplicate	05/15/23

Batch ID: BE31068 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
23E0826-01	C-1	05/16/23
23E0826-01	C-1	05/16/23
23E0826-02	C-2	05/16/23
23E0826-02	C-2	05/16/23

23E0826-03	C-3	05/16/23
23E0826-03	C-3	05/16/23
23E0826-04	C-4	05/16/23
23E0826-04	C-4	05/16/23
23E0826-05	C-5	05/16/23
23E0826-05	C-5	05/16/23
23E0826-06	C-6	05/16/23
23E0826-06	C-6	05/16/23
23E0826-07	C-7	05/16/23
23E0826-07	C-7	05/16/23
23E0826-08	C-8	05/16/23
23E0826-08	C-8	05/16/23
BE31068-BLK1	Blank	05/16/23
BE31068-BLK1	Blank	05/16/23
BE31068-BS1	LCS	05/16/23
BE31068-MS1	Matrix Spike	05/16/23
BE31068-MSD1	Matrix Spike Dup	05/16/23

Batch ID: BE31071 **Preparation Method:** EPA 3546 ETPH **Prepared By:** JLM

YORK Sample ID	Client Sample ID	Preparation Date
23E0826-03	C-3	05/16/23
23E0826-04	C-4	05/16/23
23E0826-07	C-7	05/16/23
BE31071-BLK1	Blank	05/16/23
BE31071-BS1	LCS	05/16/23

Batch ID: BE31072 **Preparation Method:** EPA 3550C/8151A **Prepared By:** agg

YORK Sample ID	Client Sample ID	Preparation Date
23E0826-01	C-1	05/16/23
23E0826-02	C-2	05/16/23
23E0826-03	C-3	05/16/23
23E0826-04	C-4	05/16/23
23E0826-05	C-5	05/16/23
23E0826-06	C-6	05/16/23
23E0826-07	C-7	05/16/23
23E0826-08	C-8	05/16/23
BE31072-BLK1	Blank	05/16/23
BE31072-BS1	LCS	05/16/23
BE31072-MS1	Matrix Spike	05/16/23
BE31072-MSD1	Matrix Spike Dup	05/16/23

Batch ID: BE31074 **Preparation Method:** EPA 3545A **Prepared By:** agg

YORK Sample ID	Client Sample ID	Preparation Date
23E0826-01	C-1	05/16/23
23E0826-02	C-2	05/16/23
23E0826-03	C-3	05/16/23
23E0826-04	C-4	05/16/23

23E0826-05	C-5	05/16/23
23E0826-06	C-6	05/16/23
23E0826-07	C-7	05/16/23
23E0826-08	C-8	05/16/23
BE31074-BLK1	Blank	05/16/23
BE31074-BS1	LCS	05/16/23
BE31074-BSD1	LCS Dup	05/16/23
BE31074-DUP1	Duplicate	05/16/23
BE31074-MS1	Matrix Spike	05/16/23

Batch ID: BE31079 **Preparation Method:** EPA 3550C **Prepared By:** kaz

YORK Sample ID	Client Sample ID	Preparation Date
23E0826-01	C-1	05/16/23
23E0826-01	C-1	05/16/23
23E0826-02	C-2	05/16/23
23E0826-02	C-2	05/16/23
23E0826-03	C-3	05/16/23
23E0826-03	C-3	05/16/23
23E0826-04	C-4	05/16/23
23E0826-04	C-4	05/16/23
23E0826-05	C-5	05/16/23
23E0826-05	C-5	05/16/23
23E0826-06	C-6	05/16/23
23E0826-06	C-6	05/16/23
23E0826-07	C-7	05/16/23
23E0826-07	C-7	05/16/23
23E0826-08	C-8	05/16/23
23E0826-08	C-8	05/16/23
BE31079-BLK1	Blank	05/16/23
BE31079-BLK2	Blank	05/16/23
BE31079-BS1	LCS	05/16/23
BE31079-BS2	LCS	05/16/23
BE31079-MS1	Matrix Spike	05/16/23
BE31079-MS2	Matrix Spike	05/16/23
BE31079-MSD1	Matrix Spike Dup	05/16/23
BE31079-MSD2	Matrix Spike Dup	05/16/23

Batch ID: BE31197 **Preparation Method:** EPA 3050B **Prepared By:** KMQ

YORK Sample ID	Client Sample ID	Preparation Date
23E0826-01	C-1	05/17/23
23E0826-02	C-2	05/17/23
23E0826-03	C-3	05/17/23
23E0826-04	C-4	05/17/23
23E0826-05	C-5	05/17/23
23E0826-06	C-6	05/17/23
23E0826-07	C-7	05/17/23
23E0826-08	C-8	05/17/23
BE31197-BLK1	Blank	05/17/23
BE31197-DUP1	Duplicate	05/17/23

BE31197-MS1	Matrix Spike	05/17/23
BE31197-PS1	Post Spike	05/17/23
BE31197-SRM1	Reference	05/17/23

Batch ID: BE31198 **Preparation Method:** EPA 7473 soil **Prepared By:** AGNR

YORK Sample ID	Client Sample ID	Preparation Date
23E0826-01	C-1	05/17/23
23E0826-02	C-2	05/17/23
23E0826-03	C-3	05/17/23
23E0826-04	C-4	05/17/23
23E0826-05	C-5	05/17/23
23E0826-06	C-6	05/17/23
23E0826-07	C-7	05/17/23
23E0826-08	C-8	05/17/23
BE31198-BLK1	Blank	05/17/23
BE31198-DUP1	Duplicate	05/17/23
BE31198-MS1	Matrix Spike	05/17/23
BE31198-SRM1	Reference	05/17/23

Batch ID: BE31205 **Preparation Method:** Analysis Preparation Soil **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23E0826-01	C-1	05/17/23
23E0826-02	C-2	05/17/23
23E0826-03	C-3	05/17/23
23E0826-04	C-4	05/17/23
23E0826-05	C-5	05/17/23
BE31205-BLK1	Blank	05/17/23
BE31205-DUP1	Duplicate	05/17/23
BE31205-MS1	Matrix Spike	05/17/23
BE31205-MSD1	Matrix Spike Dup	05/17/23
BE31205-SRM1	Reference	05/17/23

Batch ID: BE31244 **Preparation Method:** Analysis Preparation Soil **Prepared By:** SMK

YORK Sample ID	Client Sample ID	Preparation Date
23E0826-06	C-6	05/18/23
23E0826-07	C-7	05/18/23
23E0826-08	C-8	05/18/23
BE31244-BLK1	Blank	05/18/23
BE31244-DUP1	Duplicate	05/18/23
BE31244-MS1	Matrix Spike	05/18/23
BE31244-MSD1	Matrix Spike Dup	05/18/23
BE31244-SRM1	Reference	05/18/23

Batch ID: BE31264 **Preparation Method:** % Solids Prep **Prepared By:** sgs

YORK Sample ID	Client Sample ID	Preparation Date

23E0826-01	C-1	05/18/23
23E0826-02	C-2	05/18/23
23E0826-03	C-3	05/18/23
23E0826-04	C-4	05/18/23
23E0826-05	C-5	05/18/23
23E0826-06	C-6	05/18/23
23E0826-07	C-7	05/18/23
23E0826-08	C-8	05/18/23
BE31264-DUP1	Duplicate	05/18/23

Batch ID: BE31300 **Preparation Method:** EPA SW846-3060 **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
23E0826-01	C-1	05/18/23
23E0826-02	C-2	05/18/23
23E0826-03	C-3	05/18/23
23E0826-04	C-4	05/18/23
23E0826-05	C-5	05/18/23
23E0826-06	C-6	05/18/23
23E0826-07	C-7	05/18/23
23E0826-08	C-8	05/18/23
BE31300-BLK1	Blank	05/18/23
BE31300-DUP1	Duplicate	05/18/23
BE31300-MS1	Matrix Spike	05/18/23
BE31300-MSD1	Matrix Spike Dup	05/18/23
BE31300-SRM1	Reference	05/18/23

Batch ID: BE31330 **Preparation Method:** EPA 3546 ETPH **Prepared By:** JLM

YORK Sample ID	Client Sample ID	Preparation Date
23E0826-01	C-1	05/19/23
23E0826-02	C-2	05/19/23
23E0826-05	C-5	05/19/23
23E0826-06	C-6	05/19/23
23E0826-08	C-8	05/19/23
BE31330-BLK1	Blank	05/19/23
BE31330-BS1	LCS	05/19/23

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31002 - EPA 5035A											
Blank (BE31002-BLK1)											Prepared & Analyzed: 05/15/2023
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
Tentatively Identified Compounds	0.0		"								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31002 - EPA 5035A											
Blank (BE31002-BLK1)								Prepared & Analyzed: 05/15/2023			
Methylcyclohexane	ND	5.0	ug/kg wet								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.1*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.4*		*"*	*50.0*		*96.8*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*46.8*		*"*	*50.0*		*93.7*	*76-130*				
LCS (BE31002-BS1)								Prepared & Analyzed: 05/15/2023			
1,1,1,2-Tetrachloroethane	55		ug/L	50.0		110	75-129				
1,1,1-Trichloroethane	55		"	50.0		110	71-137				
1,1,2,2-Tetrachloroethane	49		"	50.0		97.5	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	55		"	50.0		109	58-146				
1,1,2-Trichloroethane	49		"	50.0		97.5	83-123				
1,1-Dichloroethane	54		"	50.0		108	75-130				
1,1-Dichloroethylene	54		"	50.0		108	64-137				
1,2,3-Trichlorobenzene	48		"	50.0		95.8	81-140				
1,2,3-Trichloropropane	47		"	50.0		94.7	81-126				
1,2,4-Trichlorobenzene	50		"	50.0		100	80-141				
1,2,4-Trimethylbenzene	50		"	50.0		101	84-125				
1,2-Dibromo-3-chloropropane	48		"	50.0		95.3	74-142				
1,2-Dibromoethane	53		"	50.0		106	86-123				
1,2-Dichlorobenzene	48		"	50.0		96.6	85-122				
1,2-Dichloroethane	54		"	50.0		109	71-133				
1,2-Dichloropropane	52		"	50.0		105	81-122				
1,3,5-Trimethylbenzene	50		"	50.0		100	82-126				
1,3-Dichlorobenzene	50		"	50.0		101	84-124				
1,4-Dichlorobenzene	49		"	50.0		97.4	84-124				
1,4-Dioxane	1100		"	1050		104	10-228				
2-Butanone	55		"	50.0		110	58-147				
2-Hexanone	50		"	50.0		101	70-139				
4-Methyl-2-pentanone	49		"	50.0		97.9	72-132				
Acetone	150		"	50.0		297	36-155	High Bias			
Acrolein	39		"	50.0		79.0	10-238				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31002 - EPA 5035A											
LCS (BE31002-BS1)								Prepared & Analyzed: 05/15/2023			
Acrylonitrile	46		ug/L	50.0		92.9	66-141				
Benzene	54		"	50.0		108	77-127				
Bromochloromethane	49		"	50.0		99.0	74-129				
Bromodichloromethane	54		"	50.0		107	81-124				
Bromoform	52		"	50.0		104	80-136				
Bromomethane	54		"	50.0		108	32-177				
Carbon disulfide	63		"	50.0		126	10-136				
Carbon tetrachloride	58		"	50.0		116	66-143				
Chlorobenzene	54		"	50.0		108	86-120				
Chloroethane	56		"	50.0		111	51-142				
Chloroform	54		"	50.0		108	76-131				
Chloromethane	44		"	50.0		88.9	49-132				
cis-1,2-Dichloroethylene	54		"	50.0		109	74-132				
cis-1,3-Dichloropropylene	55		"	50.0		110	81-129				
Cyclohexane	50		"	50.0		99.3	70-130				
Dibromochloromethane	56		"	50.0		111	10-200				
Dibromomethane	50		"	50.0		99.6	83-124				
Dichlorodifluoromethane	34		"	50.0		68.2	28-158				
Ethyl Benzene	54		"	50.0		107	84-125				
Hexachlorobutadiene	50		"	50.0		99.4	83-133				
Isopropylbenzene	51		"	50.0		102	81-127				
Methyl acetate	45		"	50.0		90.9	41-143				
Methyl tert-butyl ether (MTBE)	53		"	50.0		105	74-131				
Methylcyclohexane	50		"	50.0		101	70-130				
Methylene chloride	53		"	50.0		105	57-141				
n-Butylbenzene	49		"	50.0		97.3	80-130				
n-Propylbenzene	49		"	50.0		98.9	74-136				
o-Xylene	54		"	50.0		108	83-123				
p- & m- Xylenes	110		"	100		105	82-128				
p-Isopropyltoluene	50		"	50.0		100	85-125				
sec-Butylbenzene	50		"	50.0		99.9	83-125				
Styrene	53		"	50.0		107	86-126				
tert-Butyl alcohol (TBA)	230		"	250		93.4	70-130				
tert-Butylbenzene	51		"	50.0		101	80-127				
Tetrachloroethylene	46		"	50.0		92.3	80-129				
Toluene	52		"	50.0		104	85-121				
trans-1,2-Dichloroethylene	53		"	50.0		107	72-132				
trans-1,3-Dichloropropylene	56		"	50.0		111	78-132				
trans-1,4-dichloro-2-butene	50		"	50.0		99.4	75-135				
Trichloroethylene	54		"	50.0		107	84-123				
Trichlorofluoromethane	50		"	50.0		99.1	62-140				
Vinyl Chloride	50		"	50.0		99.3	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.5*		*"*	*50.0*		*98.9*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.3*		*"*	*50.0*		*98.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.1*		*"*	*50.0*		*98.3*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31002 - EPA 5035A											
LCS Dup (BE31002-BSD1)								Prepared & Analyzed: 05/15/2023			
1,1,1,2-Tetrachloroethane	53		ug/L	50.0		107	75-129		2.83	30	
1,1,1-Trichloroethane	54		"	50.0		109	71-137		1.46	30	
1,1,2,2-Tetrachloroethane	52		"	50.0		105	79-129		6.93	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0		107	58-146		2.52	30	
1,1,2-Trichloroethane	51		"	50.0		102	83-123		4.22	30	
1,1-Dichloroethane	53		"	50.0		106	75-130		1.76	30	
1,1-Dichloroethylene	54		"	50.0		108	64-137		0.185	30	
1,2,3-Trichlorobenzene	50		"	50.0		99.0	81-140		3.33	30	
1,2,3-Trichloropropane	50		"	50.0		99.6	81-126		5.00	30	
1,2,4-Trichlorobenzene	51		"	50.0		102	80-141		1.49	30	
1,2,4-Trimethylbenzene	50		"	50.0		101	84-125		0.397	30	
1,2-Dibromo-3-chloropropane	53		"	50.0		106	74-142		10.2	30	
1,2-Dibromoethane	54		"	50.0		108	86-123		1.42	30	
1,2-Dichlorobenzene	49		"	50.0		98.7	85-122		2.17	30	
1,2-Dichloroethane	54		"	50.0		108	71-133		0.479	30	
1,2-Dichloropropane	52		"	50.0		103	81-122		1.48	30	
1,3,5-Trimethylbenzene	49		"	50.0		98.8	82-126		1.61	30	
1,3-Dichlorobenzene	50		"	50.0		99.7	84-124		0.799	30	
1,4-Dichlorobenzene	49		"	50.0		98.5	84-124		1.08	30	
1,4-Dioxane	1200		"	1050		117	10-228		11.2	30	
2-Butanone	48		"	50.0		96.8	58-147		12.4	30	
2-Hexanone	55		"	50.0		110	70-139		9.02	30	
4-Methyl-2-pentanone	55		"	50.0		109	72-132		11.1	30	
Acetone	170		"	50.0		337	36-155	High Bias	12.4	30	
Acrolein	43		"	50.0		85.3	10-238		7.74	30	
Acrylonitrile	53		"	50.0		106	66-141		13.6	30	
Benzene	53		"	50.0		107	77-127		1.43	30	
Bromochloromethane	50		"	50.0		100	74-129		1.05	30	
Bromodichloromethane	53		"	50.0		105	81-124		1.86	30	
Bromoform	53		"	50.0		106	80-136		1.91	30	
Bromomethane	55		"	50.0		110	32-177		1.30	30	
Carbon disulfide	64		"	50.0		128	10-136		1.66	30	
Carbon tetrachloride	57		"	50.0		115	66-143		1.06	30	
Chlorobenzene	54		"	50.0		107	86-120		1.13	30	
Chloroethane	52		"	50.0		104	51-142		6.43	30	
Chloroform	54		"	50.0		108	76-131		0.407	30	
Chloromethane	43		"	50.0		87.0	49-132		2.16	30	
cis-1,2-Dichloroethylene	55		"	50.0		109	74-132		0.421	30	
cis-1,3-Dichloropropylene	54		"	50.0		108	81-129		1.80	30	
Cyclohexane	50		"	50.0		99.0	70-130		0.302	30	
Dibromochloromethane	55		"	50.0		111	10-200		0.811	30	
Dibromomethane	50		"	50.0		101	83-124		1.28	30	
Dichlorodifluoromethane	34		"	50.0		67.6	28-158		0.942	30	
Ethyl Benzene	52		"	50.0		104	84-125		2.88	30	
Hexachlorobutadiene	49		"	50.0		98.1	83-133		1.34	30	
Isopropylbenzene	51		"	50.0		101	81-127		0.866	30	
Methyl acetate	51		"	50.0		101	41-143		10.8	30	
Methyl tert-butyl ether (MTBE)	53		"	50.0		107	74-131		1.70	30	
Methylcyclohexane	50		"	50.0		100	70-130		0.398	30	
Methylene chloride	53		"	50.0		106	57-141		1.08	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31002 - EPA 5035A											
LCS Dup (BE31002-BSD1)								Prepared & Analyzed: 05/15/2023			
n-Butylbenzene	49		ug/L	50.0		97.5	80-130		0.205	30	
n-Propylbenzene	50		"	50.0		99.2	74-136		0.242	30	
o-Xylene	53		"	50.0		106	83-123		2.56	30	
p- & m- Xylenes	100		"	100		104	82-128		1.15	30	
p-Isopropyltoluene	50		"	50.0		100	85-125		0.219	30	
sec-Butylbenzene	50		"	50.0		99.6	83-125		0.261	30	
Styrene	52		"	50.0		104	86-126		2.56	30	
tert-Butyl alcohol (TBA)	260		"	250		103	70-130		10.0	30	
tert-Butylbenzene	50		"	50.0		101	80-127		0.614	30	
Tetrachloroethylene	46		"	50.0		91.5	80-129		0.870	30	
Toluene	51		"	50.0		101	85-121		2.83	30	
trans-1,2-Dichloroethylene	53		"	50.0		105	72-132		1.06	30	
trans-1,3-Dichloropropylene	55		"	50.0		110	78-132		1.21	30	
trans-1,4-dichloro-2-butene	54		"	50.0		107	75-135		7.53	30	
Trichloroethylene	53		"	50.0		105	84-123		2.05	30	
Trichlorofluoromethane	50		"	50.0		99.1	62-140		0.0606	30	
Vinyl Chloride	50		"	50.0		99.1	52-130		0.242	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.5*		*"*	*50.0*		*99.0*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.4*		*"*	*50.0*		*96.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.7*		*"*	*50.0*		*97.4*	*76-130*				
Batch BE31004 - EPA 5035A											
Blank (BE31004-BLK1)								Prepared & Analyzed: 05/16/2023			
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
Tentatively Identified Compounds	0.0		"								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31004 - EPA 5035A											
Blank (BE31004-BLK1)											Prepared & Analyzed: 05/16/2023
Benzene	ND	5.0	ug/kg wet								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.3*		*ug/L*	*50.0*		*107*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.1*		*"*	*50.0*		*94.2*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31004 - EPA 5035A											
LCS (BE31004-BS1)								Prepared & Analyzed: 05/16/2023			
1,1,1,2-Tetrachloroethane	56		ug/L	50.0		113	75-129				
1,1,1-Trichloroethane	58		"	50.0		116	71-137				
1,1,2,2-Tetrachloroethane	51		"	50.0		102	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	57		"	50.0		114	58-146				
1,1,2-Trichloroethane	51		"	50.0		102	83-123				
1,1-Dichloroethane	54		"	50.0		108	75-130				
1,1-Dichloroethylene	59		"	50.0		118	64-137				
1,2,3-Trichlorobenzene	49		"	50.0		98.6	81-140				
1,2,3-Trichloropropane	52		"	50.0		103	81-126				
1,2,4-Trichlorobenzene	51		"	50.0		102	80-141				
1,2,4-Trimethylbenzene	51		"	50.0		102	84-125				
1,2-Dibromo-3-chloropropane	52		"	50.0		104	74-142				
1,2-Dibromoethane	55		"	50.0		110	86-123				
1,2-Dichlorobenzene	50		"	50.0		100	85-122				
1,2-Dichloroethane	57		"	50.0		115	71-133				
1,2-Dichloropropane	52		"	50.0		105	81-122				
1,3,5-Trimethylbenzene	51		"	50.0		101	82-126				
1,3-Dichlorobenzene	50		"	50.0		99.2	84-124				
1,4-Dichlorobenzene	50		"	50.0		100	84-124				
1,4-Dioxane	1100		"	1050		105	10-228				
2-Butanone	55		"	50.0		109	58-147				
2-Hexanone	54		"	50.0		109	70-139				
4-Methyl-2-pentanone	54		"	50.0		107	72-132				
Acetone	200		"	50.0		405	36-155	High Bias			
Acrolein	39		"	50.0		77.9	10-238				
Acrylonitrile	53		"	50.0		106	66-141				
Benzene	54		"	50.0		108	77-127				
Bromochloromethane	54		"	50.0		108	74-129				
Bromodichloromethane	55		"	50.0		110	81-124				
Bromoform	52		"	50.0		104	80-136				
Bromomethane	56		"	50.0		113	32-177				
Carbon disulfide	56		"	50.0		111	10-136				
Carbon tetrachloride	62		"	50.0		124	66-143				
Chlorobenzene	55		"	50.0		110	86-120				
Chloroethane	55		"	50.0		111	51-142				
Chloroform	56		"	50.0		112	76-131				
Chloromethane	40		"	50.0		80.6	49-132				
cis-1,2-Dichloroethylene	55		"	50.0		110	74-132				
cis-1,3-Dichloropropylene	55		"	50.0		110	81-129				
Cyclohexane	51		"	50.0		102	70-130				
Dibromochloromethane	59		"	50.0		117	10-200				
Dibromomethane	53		"	50.0		107	83-124				
Dichlorodifluoromethane	32		"	50.0		63.3	28-158				
Ethyl Benzene	53		"	50.0		106	84-125				
Hexachlorobutadiene	51		"	50.0		102	83-133				
Isopropylbenzene	51		"	50.0		103	81-127				
Methyl acetate	50		"	50.0		99.5	41-143				
Methyl tert-butyl ether (MTBE)	53		"	50.0		106	74-131				
Methylcyclohexane	52		"	50.0		103	70-130				
Methylene chloride	53		"	50.0		107	57-141				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31004 - EPA 5035A											
LCS (BE31004-BS1)								Prepared & Analyzed: 05/16/2023			
n-Butylbenzene	51		ug/L	50.0		101	80-130				
n-Propylbenzene	51		"	50.0		101	74-136				
o-Xylene	54		"	50.0		109	83-123				
p- & m- Xylenes	110		"	100		108	82-128				
p-Isopropyltoluene	52		"	50.0		103	85-125				
sec-Butylbenzene	51		"	50.0		102	83-125				
Styrene	53		"	50.0		107	86-126				
tert-Butyl alcohol (TBA)	280		"	250		114	70-130				
tert-Butylbenzene	51		"	50.0		102	80-127				
Tetrachloroethylene	48		"	50.0		96.5	80-129				
Toluene	52		"	50.0		104	85-121				
trans-1,2-Dichloroethylene	55		"	50.0		110	72-132				
trans-1,3-Dichloropropylene	56		"	50.0		112	78-132				
trans-1,4-dichloro-2-butene	53		"	50.0		106	75-135				
Trichloroethylene	56		"	50.0		111	84-123				
Trichlorofluoromethane	54		"	50.0		108	62-140				
Vinyl Chloride	50		"	50.0		99.6	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.3*		*"*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.5*		*"*	*50.0*		*99.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.8*		*"*	*50.0*		*99.5*	*76-130*				
LCS Dup (BE31004-BSD1)								Prepared & Analyzed: 05/16/2023			
1,1,1,2-Tetrachloroethane	57		ug/L	50.0		113	75-129		0.548	30	
1,1,1-Trichloroethane	57		"	50.0		114	71-137		2.24	30	
1,1,2,2-Tetrachloroethane	51		"	50.0		101	79-129		0.609	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	57		"	50.0		113	58-146		0.511	30	
1,1,2-Trichloroethane	51		"	50.0		102	83-123		0.236	30	
1,1-Dichloroethane	53		"	50.0		106	75-130		1.29	30	
1,1-Dichloroethylene	56		"	50.0		113	64-137		4.52	30	
1,2,3-Trichlorobenzene	50		"	50.0		99.3	81-140		0.768	30	
1,2,3-Trichloropropane	53		"	50.0		107	81-126		3.06	30	
1,2,4-Trichlorobenzene	51		"	50.0		102	80-141		0.784	30	
1,2,4-Trimethylbenzene	51		"	50.0		101	84-125		0.962	30	
1,2-Dibromo-3-chloropropane	53		"	50.0		105	74-142		1.67	30	
1,2-Dibromoethane	55		"	50.0		109	86-123		0.438	30	
1,2-Dichlorobenzene	50		"	50.0		99.9	85-122		0.100	30	
1,2-Dichloroethane	56		"	50.0		111	71-133		3.18	30	
1,2-Dichloropropane	52		"	50.0		104	81-122		1.02	30	
1,3,5-Trimethylbenzene	50		"	50.0		101	82-126		0.119	30	
1,3-Dichlorobenzene	50		"	50.0		100	84-124		1.18	30	
1,4-Dichlorobenzene	49		"	50.0		99.0	84-124		1.11	30	
1,4-Dioxane	1100		"	1050		107	10-228		1.57	30	
2-Butanone	54		"	50.0		109	58-147		0.753	30	
2-Hexanone	53		"	50.0		107	70-139		1.78	30	
4-Methyl-2-pentanone	53		"	50.0		106	72-132		0.656	30	
Acetone	180		"	50.0		351	36-155	High Bias	14.4	30	
Acrolein	42		"	50.0		83.4	10-238		6.82	30	
Acrylonitrile	51		"	50.0		103	66-141		3.17	30	
Benzene	53		"	50.0		106	77-127		1.83	30	
Bromochloromethane	53		"	50.0		106	74-129		2.08	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31004 - EPA 5035A											
LCS Dup (BE31004-BSD1)								Prepared & Analyzed: 05/16/2023			
Bromodichloromethane	56		ug/L	50.0		112	81-124		1.32	30	
Bromoform	54		"	50.0		108	80-136		3.58	30	
Bromomethane	58		"	50.0		116	32-177		2.73	30	
Carbon disulfide	56		"	50.0		111	10-136		0.252	30	
Carbon tetrachloride	61		"	50.0		122	66-143		1.06	30	
Chlorobenzene	55		"	50.0		110	86-120		0.381	30	
Chloroethane	55		"	50.0		111	51-142		0.253	30	
Chloroform	56		"	50.0		112	76-131		0.197	30	
Chloromethane	41		"	50.0		81.1	49-132		0.544	30	
cis-1,2-Dichloroethylene	56		"	50.0		112	74-132		1.62	30	
cis-1,3-Dichloropropylene	55		"	50.0		110	81-129		0.145	30	
Cyclohexane	50		"	50.0		101	70-130		0.950	30	
Dibromochloromethane	58		"	50.0		115	10-200		1.84	30	
Dibromomethane	54		"	50.0		107	83-124		0.804	30	
Dichlorodifluoromethane	30		"	50.0		60.6	28-158		4.42	30	
Ethyl Benzene	54		"	50.0		109	84-125		2.19	30	
Hexachlorobutadiene	50		"	50.0		101	83-133		1.48	30	
Isopropylbenzene	52		"	50.0		103	81-127		0.583	30	
Methyl acetate	49		"	50.0		98.8	41-143		0.726	30	
Methyl tert-butyl ether (MTBE)	53		"	50.0		106	74-131		0.699	30	
Methylcyclohexane	52		"	50.0		104	70-130		1.08	30	
Methylene chloride	54		"	50.0		108	57-141		0.578	30	
n-Butylbenzene	51		"	50.0		101	80-130		0.277	30	
n-Propylbenzene	51		"	50.0		102	74-136		1.08	30	
o-Xylene	55		"	50.0		109	83-123		0.733	30	
p- & m- Xylenes	110		"	100		108	82-128		0.0833	30	
p-Isopropyltoluene	50		"	50.0		100	85-125		2.90	30	
sec-Butylbenzene	51		"	50.0		102	83-125		0.314	30	
Styrene	53		"	50.0		107	86-126		0.225	30	
tert-Butyl alcohol (TBA)	290		"	250		116	70-130		2.04	30	
tert-Butylbenzene	51		"	50.0		103	80-127		0.508	30	
Tetrachloroethylene	47		"	50.0		93.6	80-129		3.03	30	
Toluene	52		"	50.0		105	85-121		0.631	30	
trans-1,2-Dichloroethylene	54		"	50.0		108	72-132		1.45	30	
trans-1,3-Dichloropropylene	56		"	50.0		112	78-132		0.535	30	
trans-1,4-dichloro-2-butene	54		"	50.0		108	75-135		2.42	30	
Trichloroethylene	55		"	50.0		109	84-123		2.16	30	
Trichlorofluoromethane	53		"	50.0		106	62-140		1.64	30	
Vinyl Chloride	49		"	50.0		98.8	52-130		0.746	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.9*		*"*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.1*		*"*	*50.0*		*98.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.1*		*"*	*50.0*		*100*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31004 - EPA 5035A											
Matrix Spike (BE31004-MS1)	*Source sample: 23E0659-01 (Matrix Spike)							Prepared & Analyzed: 05/16/2023			
1,1,1,2-Tetrachloroethane	28		ug/L	50.0	0.0	56.8	15-161				
1,1,1-Trichloroethane	32		"	50.0	0.0	64.3	42-145				
1,1,2,2-Tetrachloroethane	32		"	50.0	0.0	63.9	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	29		"	50.0	0.0	57.3	11-160				
1,1,2-Trichloroethane	33		"	50.0	0.0	66.1	44-145				
1,1-Dichloroethane	35		"	50.0	0.0	69.2	46-142				
1,1-Dichloroethylene	33		"	50.0	0.0	65.4	30-153				
1,2,3-Trichlorobenzene	7.6		"	50.0	0.0	15.3	10-157				
1,2,3-Trichloropropane	33		"	50.0	0.0	65.5	38-155				
1,2,4-Trichlorobenzene	7.9		"	50.0	0.0	15.9	10-151				
1,2,4-Trimethylbenzene	19		"	50.0	0.0	38.8	10-170				
1,2-Dibromo-3-chloropropane	24		"	50.0	0.0	48.4	36-138				
1,2-Dibromoethane	32		"	50.0	0.0	63.3	40-142				
1,2-Dichlorobenzene	15		"	50.0	0.0	30.2	10-147				
1,2-Dichloroethane	38		"	50.0	0.0	76.7	48-133				
1,2-Dichloropropane	34		"	50.0	0.0	68.4	47-141				
1,3,5-Trimethylbenzene	19		"	50.0	0.0	38.4	10-150				
1,3-Dichlorobenzene	15		"	50.0	0.0	30.4	10-144				
1,4-Dichlorobenzene	15		"	50.0	0.0	29.1	10-160				
1,4-Dioxane	1200		"	1050	0.0	114	10-191				
2-Butanone	100		"	50.0	57	87.1	10-189				
2-Hexanone	38		"	50.0	0.0	75.7	10-181				
4-Methyl-2-pentanone	40		"	50.0	0.0	80.6	10-166				
Acetone	320		"	50.0	250	139	10-196				
Acrolein	6.4		"	50.0	0.0	12.8	10-192				
Acrylonitrile	33		"	50.0	0.0	66.0	13-161				
Benzene	33		"	50.0	0.0	65.2	43-139				
Bromochloromethane	34		"	50.0	0.0	68.2	38-145				
Bromodichloromethane	32		"	50.0	0.0	64.1	38-147				
Bromoform	23		"	50.0	0.0	45.2	29-156				
Bromomethane	29		"	50.0	0.0	57.1	10-166				
Carbon disulfide	23		"	50.0	2.1	42.4	10-131				
Carbon tetrachloride	25		"	50.0	0.0	51.0	35-145				
Chlorobenzene	25		"	50.0	0.0	49.7	21-154				
Chloroethane	36		"	50.0	0.0	71.3	15-160				
Chloroform	36		"	50.0	0.0	72.6	47-142				
Chloromethane	23		"	50.0	0.0	46.2	10-159				
cis-1,2-Dichloroethylene	32		"	50.0	0.0	63.8	42-144				
cis-1,3-Dichloropropylene	23		"	50.0	0.0	46.2	18-159				
Cyclohexane	23		"	50.0	0.0	46.0	70-130	Low Bias			
Dibromochloromethane	29		"	50.0	0.0	58.7	10-179				
Dibromomethane	34		"	50.0	0.0	67.7	47-143				
Dichlorodifluoromethane	16		"	50.0	0.0	32.3	10-145				
Ethyl Benzene	24		"	50.0	0.0	47.3	11-158				
Hexachlorobutadiene	8.3		"	50.0	0.0	16.6	10-158				
Isopropylbenzene	22		"	50.0	0.0	44.6	10-162				
Methyl acetate	39		"	50.0	0.0	78.2	10-149				
Methyl tert-butyl ether (MTBE)	40		"	50.0	0.0	80.9	42-152				
Methylcyclohexane	19		"	50.0	0.0	37.1	70-130	Low Bias			
Methylene chloride	35		"	50.0	0.0	69.9	28-151				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31004 - EPA 5035A											
Matrix Spike (BE31004-MS1)	*Source sample: 23E0659-01 (Matrix Spike)							Prepared & Analyzed: 05/16/2023			
n-Butylbenzene	13		ug/L	50.0	0.0	26.5	10-162				
n-Propylbenzene	19		"	50.0	0.0	38.5	10-155				
o-Xylene	25		"	50.0	0.0	49.6	10-158				
p- & m- Xylenes	46		"	100	0.0	46.3	10-156				
p-Isopropyltoluene	16		"	50.0	0.0	31.1	10-147				
sec-Butylbenzene	16		"	50.0	0.0	31.5	10-157				
Styrene	15		"	50.0	0.0	29.0	13-171				
tert-Butyl alcohol (TBA)	220		"	250	0.0	87.1	34-179				
tert-Butylbenzene	19		"	50.0	0.0	37.8	10-160				
Tetrachloroethylene	19		"	50.0	0.0	38.7	30-167				
Toluene	28		"	50.0	0.0	55.4	21-160				
trans-1,2-Dichloroethylene	27		"	50.0	0.0	53.6	29-153				
trans-1,3-Dichloropropylene	21		"	50.0	0.0	41.7	18-155				
trans-1,4-dichloro-2-butene	30		"	50.0	0.0	59.7	17-154				
Trichloroethylene	28		"	50.0	0.0	56.0	24-169				
Trichlorofluoromethane	31		"	50.0	0.0	61.3	35-142				
Vinyl Chloride	28		"	50.0	0.0	55.9	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*54.1*		*"*	*50.0*		*108*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.8*		*"*	*50.0*		*99.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*55.4*		*"*	*50.0*		*111*	*76-130*				
Matrix Spike Dup (BE31004-MSD1)	*Source sample: 23E0659-01 (Matrix Spike Dup)							Prepared & Analyzed: 05/16/2023			
1,1,1,2-Tetrachloroethane	32		ug/L	50.0	0.0	63.9	15-161		11.9	33	
1,1,1-Trichloroethane	42		"	50.0	0.0	83.5	42-145		26.0	30	
1,1,2,2-Tetrachloroethane	32		"	50.0	0.0	64.7	16-167		1.12	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	40		"	50.0	0.0	79.1	11-160		32.0	31	Non-dir.
1,1,2-Trichloroethane	35		"	50.0	0.0	69.1	44-145		4.44	40	
1,1-Dichloroethane	41		"	50.0	0.0	82.5	46-142		17.5	36	
1,1-Dichloroethylene	41		"	50.0	0.0	82.7	30-153		23.3	31	
1,2,3-Trichlorobenzene	9.2		"	50.0	0.0	18.5	10-157		18.8	47	
1,2,3-Trichloropropane	36		"	50.0	0.0	72.1	38-155		9.68	48	
1,2,4-Trichlorobenzene	10		"	50.0	0.0	20.8	10-151		27.0	52	
1,2,4-Trimethylbenzene	23		"	50.0	0.0	46.8	10-170		18.6	242	
1,2-Dibromo-3-chloropropane	26		"	50.0	0.0	51.4	36-138		5.89	54	
1,2-Dibromoethane	33		"	50.0	0.0	65.7	40-142		3.69	39	
1,2-Dichlorobenzene	19		"	50.0	0.0	38.5	10-147		24.0	52	
1,2-Dichloroethane	42		"	50.0	0.0	83.6	48-133		8.61	32	
1,2-Dichloropropane	39		"	50.0	0.0	77.3	47-141		12.3	37	
1,3,5-Trimethylbenzene	24		"	50.0	0.0	47.9	10-150		22.0	62	
1,3-Dichlorobenzene	18		"	50.0	0.0	36.8	10-144		19.2	51	
1,4-Dichlorobenzene	18		"	50.0	0.0	35.7	10-160		20.4	52	
1,4-Dioxane	1000		"	1050	0.0	99.8	10-191		13.2	196	
2-Butanone	94		"	50.0	48	93.6	10-189		7.18	67	
2-Hexanone	37		"	50.0	0.0	74.1	10-181		2.14	60	
4-Methyl-2-pentanone	41		"	50.0	0.0	81.2	10-166		0.816	47	
Acetone	350		"	50.0	210	272	10-196	High Bias	64.5	150	
Acrolein	8.7		"	50.0	0.0	17.3	10-192		29.7	128	
Acrylonitrile	33		"	50.0	0.0	66.8	13-161		1.17	48	
Benzene	38		"	50.0	0.0	77.0	43-139		16.5	64	
Bromochloromethane	37		"	50.0	0.0	73.7	38-145		7.72	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31004 - EPA 5035A											
Matrix Spike Dup (BE31004-MSD1)	*Source sample: 23E0659-01 (Matrix Spike Dup)								Prepared & Analyzed: 05/16/2023		
Bromodichloromethane	35		ug/L	50.0	0.0	71.0	38-147		10.2	37	
Bromoform	26		"	50.0	0.0	53.0	29-156		16.0	51	
Bromomethane	36		"	50.0	0.0	72.6	10-166		24.0	42	
Carbon disulfide	30		"	50.0	1.7	56.8	10-131		29.0	36	
Carbon tetrachloride	36		"	50.0	0.0	71.3	35-145		33.2	31	Non-dir.
Chlorobenzene	29		"	50.0	0.0	57.4	21-154		14.5	32	
Chloroethane	45		"	50.0	0.0	89.6	15-160		22.7	40	
Chloroform	42		"	50.0	0.0	83.4	47-142		13.8	29	
Chloromethane	30		"	50.0	0.0	60.8	10-159		27.3	31	
cis-1,2-Dichloroethylene	37		"	50.0	0.0	74.6	42-144		15.6	30	
cis-1,3-Dichloropropylene	26		"	50.0	0.0	52.0	18-159		11.7	39	
Cyclohexane	32		"	50.0	0.0	64.0	70-130	Low Bias	32.6	30	Non-dir.
Dibromochloromethane	33		"	50.0	0.0	65.2	10-179		10.4	41	
Dibromomethane	34		"	50.0	0.0	68.0	47-143		0.531	41	
Dichlorodifluoromethane	22		"	50.0	0.0	43.4	10-145		29.4	34	
Ethyl Benzene	30		"	50.0	0.0	59.0	11-158		22.1	42	
Hexachlorobutadiene	12		"	50.0	0.0	23.6	10-158		34.7	45	
Isopropylbenzene	28		"	50.0	0.0	56.5	10-162		23.4	57	
Methyl acetate	40		"	50.0	0.0	80.5	10-149		2.85	64	
Methyl tert-butyl ether (MTBE)	44		"	50.0	0.0	87.5	42-152		7.83	47	
Methylcyclohexane	27		"	50.0	0.0	54.0	70-130	Low Bias	37.1	30	Non-dir.
Methylene chloride	38		"	50.0	0.0	76.9	28-151		9.48	49	
n-Butylbenzene	18		"	50.0	0.0	35.9	10-162		30.1	96	
n-Propylbenzene	24		"	50.0	0.0	47.7	10-155		21.4	56	
o-Xylene	30		"	50.0	0.0	60.4	10-158		19.7	51	
p- & m- Xylenes	57		"	100	0.0	57.1	10-156		20.9	47	
p-Isopropyltoluene	21		"	50.0	0.0	41.6	10-147		29.0	60	
sec-Butylbenzene	21		"	50.0	0.0	43.0	10-157		30.7	56	
Styrene	20		"	50.0	0.0	39.3	13-171		30.1	39	
tert-Butyl alcohol (TBA)	230		"	250	0.0	90.1	34-179		3.35	35	
tert-Butylbenzene	24		"	50.0	0.0	47.6	10-160		23.0	79	
Tetrachloroethylene	25		"	50.0	0.0	50.0	30-167		25.3	33	
Toluene	33		"	50.0	0.0	66.8	21-160		18.7	50	
trans-1,2-Dichloroethylene	33		"	50.0	0.0	65.5	29-153		20.0	30	
trans-1,3-Dichloropropylene	22		"	50.0	0.0	43.0	18-155		3.07	30	
trans-1,4-dichloro-2-butene	31		"	50.0	0.0	61.6	17-154		3.20	30	
Trichloroethylene	33		"	50.0	0.0	66.9	24-169		17.8	30	
Trichlorofluoromethane	43		"	50.0	0.0	85.2	35-142		32.7	30	Non-dir.
Vinyl Chloride	37		"	50.0	0.0	73.1	12-160		26.6	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*54.0*		*"*	*50.0*		*108*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.6*		*"*	*50.0*		*97.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.5*		*"*	*50.0*		*107*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31068 - EPA 3550C											
Blank (BE31068-BLK1)											Prepared & Analyzed: 05/16/2023
1,1-Biphenyl	ND	41.6	ug/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	83.0	"								
1,2,4-Trichlorobenzene	ND	41.6	"								
1,2-Dichlorobenzene	ND	41.6	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	41.6	"								
1,3-Dichlorobenzene	ND	41.6	"								
1,4-Dichlorobenzene	ND	41.6	"								
2,3,4,6-Tetrachlorophenol	ND	83.0	"								
2,4,5-Trichlorophenol	ND	41.6	"								
2,4,6-Trichlorophenol	ND	41.6	"								
2,4-Dichlorophenol	ND	41.6	"								
2,4-Dimethylphenol	ND	41.6	"								
2,4-Dinitrophenol	ND	83.0	"								
2,4-Dinitrotoluene	ND	41.6	"								
2,6-Dinitrotoluene	ND	41.6	"								
2-Chloronaphthalene	ND	41.6	"								
2-Chlorophenol	ND	41.6	"								
2-Methylnaphthalene	ND	41.6	"								
2-Methylphenol	ND	41.6	"								
2-Nitroaniline	ND	83.0	"								
2-Nitrophenol	ND	41.6	"								
3- & 4-Methylphenols	ND	41.6	"								
3,3-Dichlorobenzidine	ND	41.6	"								
3-Nitroaniline	ND	83.0	"								
4,6-Dinitro-2-methylphenol	ND	83.0	"								
4-Bromophenyl phenyl ether	ND	41.6	"								
4-Chloro-3-methylphenol	ND	41.6	"								
4-Chloroaniline	ND	41.6	"								
4-Chlorophenyl phenyl ether	ND	41.6	"								
4-Nitroaniline	ND	83.0	"								
4-Nitrophenol	ND	83.0	"								
Acenaphthene	ND	41.6	"								
Acenaphthylene	ND	41.6	"								
Acetophenone	ND	41.6	"								
Aniline	ND	166	"								
Anthracene	ND	41.6	"								
Atrazine	ND	41.6	"								
Benzaldehyde	ND	41.6	"								
Benzidine	ND	166	"								
Benzo(a)anthracene	ND	41.6	"								
Benzo(a)pyrene	ND	41.6	"								
Benzo(b)fluoranthene	ND	41.6	"								
Benzo(g,h,i)perylene	ND	41.6	"								
Benzo(k)fluoranthene	ND	41.6	"								
Benzoic acid	ND	41.6	"								
Benzyl alcohol	ND	41.6	"								
Benzyl butyl phthalate	ND	41.6	"								
Bis(2-chloroethoxy)methane	ND	41.6	"								
Bis(2-chloroethyl)ether	ND	41.6	"								
Bis(2-chloroisopropyl)ether	ND	41.6	"								
Bis(2-ethylhexyl)phthalate	ND	41.6	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31068 - EPA 3550C											
Blank (BE31068-BLK1)											Prepared & Analyzed: 05/16/2023
Caprolactam	ND	83.0	ug/kg wet								
Carbazole	ND	41.6	"								
Chrysene	ND	41.6	"								
Dibenzo(a,h)anthracene	ND	41.6	"								
Dibenzofuran	ND	41.6	"								
Diethyl phthalate	ND	41.6	"								
Dimethyl phthalate	ND	41.6	"								
Di-n-butyl phthalate	ND	41.6	"								
Di-n-octyl phthalate	ND	41.6	"								
Diphenylamine	ND	83.0	"								
Fluoranthene	ND	41.6	"								
Fluorene	ND	41.6	"								
Hexachlorobenzene	ND	41.6	"								
Hexachlorobutadiene	ND	41.6	"								
Hexachlorocyclopentadiene	ND	41.6	"								
Hexachloroethane	ND	41.6	"								
Indeno(1,2,3-cd)pyrene	ND	41.6	"								
Isophorone	ND	41.6	"								
Naphthalene	ND	41.6	"								
Nitrobenzene	ND	41.6	"								
N-Nitrosodimethylamine	ND	41.6	"								
N-nitroso-di-n-propylamine	ND	41.6	"								
N-Nitrosodiphenylamine	ND	41.6	"								
Pentachlorophenol	ND	41.6	"								
Phenanthrene	ND	41.6	"								
Phenol	ND	41.6	"								
Pyrene	ND	41.6	"								
Surrogate: SURR: 2-Fluorophenol	*874*		"	*1660*		*52.6*	*20-108*				
Surrogate: SURR: Phenol-d6	*909*		"	*1660*		*54.7*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*457*		"	*831*		*55.1*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*428*		"	*831*		*51.5*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1220*		"	*1660*		*73.3*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*547*		"	*831*		*65.9*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31068 - EPA 3550C											
LCS (BE31068-BS1)							Prepared & Analyzed: 05/16/2023				
1,1-Biphenyl	384	41.6	ug/kg wet	831		46.3	18-111				
1,2,4,5-Tetrachlorobenzene	500	83.0	"	831		60.2	21-131				
1,2,4-Trichlorobenzene	401	41.6	"	831		48.2	10-140				
1,2-Dichlorobenzene	381	41.6	"	831		45.8	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	367	41.6	"	831		44.2	17-137				
1,3-Dichlorobenzene	360	41.6	"	831		43.4	33-110				
1,4-Dichlorobenzene	354	41.6	"	831		42.6	32-104				
2,3,4,6-Tetrachlorophenol	445	83.0	"	831		53.6	30-130				
2,4,5-Trichlorophenol	453	41.6	"	831		54.6	27-118				
2,4,6-Trichlorophenol	403	41.6	"	831		48.5	31-120				
2,4-Dichlorophenol	461	41.6	"	831		55.5	20-127				
2,4-Dimethylphenol	338	41.6	"	831		40.6	14-132				
2,4-Dinitrophenol	121	83.0	"	831		14.5	10-171				
2,4-Dinitrotoluene	418	41.6	"	831		50.3	34-131				
2,6-Dinitrotoluene	465	41.6	"	831		56.0	31-128				
2-Chloronaphthalene	364	41.6	"	831		43.8	31-117				
2-Chlorophenol	413	41.6	"	831		49.7	33-113				
2-Methylnaphthalene	389	41.6	"	831		46.8	12-138				
2-Methylphenol	372	41.6	"	831		44.8	10-136				
2-Nitroaniline	438	83.0	"	831		52.8	27-132				
2-Nitrophenol	458	41.6	"	831		55.2	17-129				
3- & 4-Methylphenols	359	41.6	"	831		43.2	29-103				
3,3-Dichlorobenzidine	265	41.6	"	831		32.0	22-149				
3-Nitroaniline	388	83.0	"	831		46.8	20-133				
4,6-Dinitro-2-methylphenol	302	83.0	"	831		36.3	10-143				
4-Bromophenyl phenyl ether	422	41.6	"	831		50.8	29-120				
4-Chloro-3-methylphenol	438	41.6	"	831		52.7	24-129				
4-Chloroaniline	285	41.6	"	831		34.3	10-132				
4-Chlorophenyl phenyl ether	378	41.6	"	831		45.5	27-124				
4-Nitroaniline	377	83.0	"	831		45.4	16-128				
4-Nitrophenol	343	83.0	"	831		41.3	10-141				
Acenaphthene	366	41.6	"	831		44.0	30-121				
Acenaphthylene	375	41.6	"	831		45.1	30-115				
Acetophenone	378	41.6	"	831		45.5	20-112				
Aniline	221	166	"	831		26.6	10-119				
Anthracene	408	41.6	"	831		49.1	34-118				
Atrazine	465	41.6	"	831		56.0	26-112				
Benzaldehyde	368	41.6	"	831		44.3	21-100				
Benzo(a)anthracene	415	41.6	"	831		50.0	32-122				
Benzo(a)pyrene	375	41.6	"	831		45.2	29-133				
Benzo(b)fluoranthene	408	41.6	"	831		49.2	25-133				
Benzo(g,h,i)perylene	123	41.6	"	831		14.8	10-143				
Benzo(k)fluoranthene	399	41.6	"	831		48.0	25-128				
Benzoic acid	64.8	41.6	"	831		7.80	10-140	Low Bias			
Benzyl alcohol	369	41.6	"	831		44.5	30-115				
Benzyl butyl phthalate	468	41.6	"	831		56.4	26-126				
Bis(2-chloroethoxy)methane	399	41.6	"	831		48.0	19-132				
Bis(2-chloroethyl)ether	354	41.6	"	831		42.7	19-125				
Bis(2-chloroisopropyl)ether	323	41.6	"	831		38.9	20-135				
Bis(2-ethylhexyl)phthalate	460	41.6	"	831		55.4	10-155				
Caprolactam	506	83.0	"	831		60.9	10-127				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31068 - EPA 3550C											
LCS (BE31068-BS1)								Prepared & Analyzed: 05/16/2023			
Carbazole	403	41.6	ug/kg wet	831		48.6	35-123				
Chrysene	388	41.6	"	831		46.7	32-123				
Dibenzo(a,h)anthracene	376	41.6	"	831		45.2	10-136				
Dibenzofuran	375	41.6	"	831		45.2	29-121				
Diethyl phthalate	376	41.6	"	831		45.3	34-116				
Dimethyl phthalate	374	41.6	"	831		45.0	35-124				
Di-n-butyl phthalate	449	41.6	"	831		54.0	31-116				
Di-n-octyl phthalate	515	41.6	"	831		62.0	26-136				
Diphenylamine	503	83.0	"	831		60.6	40-140				
Fluoranthene	406	41.6	"	831		48.8	33-122				
Fluorene	381	41.6	"	831		45.9	29-123				
Hexachlorobenzene	401	41.6	"	831		48.3	21-124				
Hexachlorobutadiene	419	41.6	"	831		50.5	10-149				
Hexachlorocyclopentadiene	261	41.6	"	831		31.5	10-129				
Hexachloroethane	386	41.6	"	831		46.5	28-108				
Indeno(1,2,3-cd)pyrene	412	41.6	"	831		49.6	10-135				
Isophorone	382	41.6	"	831		46.0	20-132				
Naphthalene	383	41.6	"	831		46.1	23-124				
Nitrobenzene	402	41.6	"	831		48.4	13-132				
N-Nitrosodimethylamine	353	41.6	"	831		42.5	11-129				
N-nitroso-di-n-propylamine	340	41.6	"	831		41.0	24-119				
N-Nitrosodiphenylamine	476	41.6	"	831		57.4	22-152				
Pentachlorophenol	404	41.6	"	831		48.6	10-139				
Phenanthrene	395	41.6	"	831		47.5	33-123				
Phenol	399	41.6	"	831		48.1	23-115				
Pyrene	425	41.6	"	831		51.2	32-130				
Surrogate: SURR: 2-Fluorophenol	*820*		*"*	*1660*		*49.4*	*20-108*				
Surrogate: SURR: Phenol-d6	*807*		*"*	*1660*		*48.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*437*		*"*	*831*		*52.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*380*		*"*	*831*		*45.7*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1040*		*"*	*1660*		*62.5*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*446*		*"*	*831*		*53.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Batch BE31068 - EPA 3550C

Matrix Spike (BE31068-MS1) *Source sample: 23E0546-01 (Matrix Spike) Prepared & Analyzed: 05/16/2023

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	562	91.0	ug/kg dry	909	ND	61.8	10-130				
1,2,4,5-Tetrachlorobenzene	575	182	"	909	ND	63.3	10-133				
1,2,4-Trichlorobenzene	447	91.0	"	909	ND	49.2	10-127				
1,2-Dichlorobenzene	412	91.0	"	909	ND	45.3	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	450	91.0	"	909	ND	49.4	10-144				
1,3-Dichlorobenzene	402	91.0	"	909	ND	44.2	11-111				
1,4-Dichlorobenzene	422	91.0	"	909	ND	46.4	10-106				
2,3,4,6-Tetrachlorophenol	1120	182	"	909	ND	124	30-130				
2,4,5-Trichlorophenol	522	91.0	"	909	ND	57.4	10-127				
2,4,6-Trichlorophenol	584	91.0	"	909	ND	64.2	10-132				
2,4-Dichlorophenol	480	91.0	"	909	ND	52.8	10-128				
2,4-Dimethylphenol	397	91.0	"	909	ND	43.6	10-137				
2,4-Dinitrophenol	300	182	"	909	ND	33.0	10-171				
2,4-Dinitrotoluene	553	91.0	"	909	ND	60.8	16-135				
2,6-Dinitrotoluene	450	91.0	"	909	ND	49.5	18-131				
2-Chloronaphthalene	471	91.0	"	909	ND	51.8	10-129				
2-Chlorophenol	471	91.0	"	909	ND	51.8	15-116				
2-Methylnaphthalene	535	91.0	"	909	ND	58.9	10-147				
2-Methylphenol	494	91.0	"	909	ND	54.3	10-136				
2-Nitroaniline	581	182	"	909	ND	63.9	10-137				
2-Nitrophenol	404	91.0	"	909	ND	44.4	10-129				
3- & 4-Methylphenols	422	91.0	"	909	ND	46.4	10-123				
3,3-Dichlorobenzidine	427	91.0	"	909	ND	47.0	10-155				
3-Nitroaniline	614	182	"	909	ND	67.5	12-133				
4,6-Dinitro-2-methylphenol	359	182	"	909	ND	39.4	10-155				
4-Bromophenyl phenyl ether	520	91.0	"	909	ND	57.2	14-128				
4-Chloro-3-methylphenol	480	91.0	"	909	ND	52.8	10-134				
4-Chloroaniline	396	91.0	"	909	ND	43.5	10-145				
4-Chlorophenyl phenyl ether	478	91.0	"	909	ND	52.6	14-130				
4-Nitroaniline	593	182	"	909	ND	65.2	10-147				
4-Nitrophenol	539	182	"	909	ND	59.3	10-137				
Acenaphthene	615	91.0	"	909	66.9	60.2	10-146				
Acenaphthylene	557	91.0	"	909	72.8	53.2	10-134				
Acetophenone	436	91.0	"	909	ND	47.9	10-116				
Aniline	316	364	"	909	ND	34.8	10-123				
Anthracene	864	91.0	"	909	172	76.2	10-142				
Atrazine	539	91.0	"	909	ND	59.3	19-115				
Benzaldehyde	471	91.0	"	909	ND	51.8	10-125				
Benzo(a)anthracene	1150	91.0	"	909	413	81.1	10-158				
Benzo(a)pyrene	1150	91.0	"	909	399	82.3	10-180				
Benzo(b)fluoranthene	1280	91.0	"	909	485	87.3	10-200				
Benzo(g,h,i)perylene	912	91.0	"	909	290	68.3	10-138				
Benzo(k)fluoranthene	830	91.0	"	909	175	72.0	10-197				
Benzoic acid	153	91.0	"	909	ND	16.8	10-166				
Benzyl alcohol	452	91.0	"	909	ND	49.7	12-124				
Benzyl butyl phthalate	498	91.0	"	909	ND	54.7	10-154				
Bis(2-chloroethoxy)methane	421	91.0	"	909	ND	46.3	10-132				
Bis(2-chloroethyl)ether	401	91.0	"	909	ND	44.1	10-119				
Bis(2-chloroisopropyl)ether	431	91.0	"	909	ND	47.4	10-139				
Bis(2-ethylhexyl)phthalate	781	91.0	"	909	123	72.3	10-167				
Caprolactam	594	182	"	909	ND	65.3	10-132				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31068 - EPA 3550C											
Matrix Spike (BE31068-MS1)	*Source sample: 23E0546-01 (Matrix Spike)							Prepared & Analyzed: 05/16/2023			
Carbazole	595	91.0	ug/kg dry	909	49.5	60.0	10-167				
Chrysene	1140	91.0	"	909	409	80.1	10-156				
Dibenzo(a,h)anthracene	626	91.0	"	909	74.2	60.7	10-137				
Dibenzofuran	ND	91.0	"	909	ND		10-147	Low Bias			
Diethyl phthalate	459	91.0	"	909	ND	50.5	20-120				
Dimethyl phthalate	441	91.0	"	909	ND	48.5	18-131				
Di-n-butyl phthalate	543	91.0	"	909	ND	59.7	10-137				
Di-n-octyl phthalate	621	91.0	"	909	ND	68.2	10-180				
Diphenylamine	1020	182	"	909	ND	112	40-140				
Fluoranthene	1750	91.0	"	909	853	98.9	10-160				
Fluorene	697	91.0	"	909	ND	76.6	10-157				
Hexachlorobenzene	606	91.0	"	909	ND	66.6	10-137				
Hexachlorobutadiene	427	91.0	"	909	ND	47.0	10-132				
Hexachlorocyclopentadiene	ND	91.0	"	909	ND		10-106	Low Bias			
Hexachloroethane	381	91.0	"	909	ND	41.9	10-110				
Indeno(1,2,3-cd)pyrene	1020	91.0	"	909	308	78.6	10-144				
Isophorone	466	91.0	"	909	ND	51.3	10-132				
Naphthalene	529	91.0	"	909	48.7	52.8	10-141				
Nitrobenzene	413	91.0	"	909	ND	45.4	10-131				
N-Nitrosodimethylamine	314	91.0	"	909	ND	34.5	10-126				
N-nitroso-di-n-propylamine	453	91.0	"	909	ND	49.8	10-125				
N-Nitrosodiphenylamine	1550	91.0	"	909	ND	171	10-177				
Pentachlorophenol	316	91.0	"	909	ND	34.7	10-153				
Phenanthrene	1490	91.0	"	909	578	100	10-148				
Phenol	490	91.0	"	909	ND	53.8	10-126				
Pyrene	1650	91.0	"	909	904	81.8	10-165				
Surrogate: SURR: 2-Fluorophenol	*859*		*"*	*1820*		*47.2*	*20-108*				
Surrogate: SURR: Phenol-d6	*925*		*"*	*1820*		*50.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*427*		*"*	*909*		*47.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*439*		*"*	*909*		*48.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1280*		*"*	*1820*		*70.2*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*540*		*"*	*909*		*59.4*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Batch BE31068 - EPA 3550C

Matrix Spike Dup (BE31068-MSD1) *Source sample: 23E0546-01 (Matrix Spike Dup) Prepared & Analyzed: 05/16/2023

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	529	91.0	ug/kg dry	909	ND	58.2	10-130		6.00	30	
1,2,4,5-Tetrachlorobenzene	588	182	"	909	ND	64.6	10-133		2.13	30	
1,2,4-Trichlorobenzene	472	91.0	"	909	ND	51.9	10-127		5.38	30	
1,2-Dichlorobenzene	461	91.0	"	909	ND	50.6	14-111		11.2	30	
1,2-Diphenylhydrazine (as Azobenzene)	447	91.0	"	909	ND	49.2	10-144		0.487	30	
1,3-Dichlorobenzene	434	91.0	"	909	ND	47.8	11-111		7.83	30	
1,4-Dichlorobenzene	435	91.0	"	909	ND	47.8	10-106		3.06	30	
2,3,4,6-Tetrachlorophenol	1120	182	"	909	ND	123	30-130		0.324	30	
2,4,5-Trichlorophenol	501	91.0	"	909	ND	55.1	10-127		3.98	30	
2,4,6-Trichlorophenol	537	91.0	"	909	ND	59.0	10-132		8.44	30	
2,4-Dichlorophenol	483	91.0	"	909	ND	53.1	10-128		0.604	30	
2,4-Dimethylphenol	402	91.0	"	909	ND	44.2	10-137		1.28	30	
2,4-Dinitrophenol	348	182	"	909	ND	38.2	10-171		14.8	30	
2,4-Dinitrotoluene	573	91.0	"	909	ND	63.0	16-135		3.62	30	
2,6-Dinitrotoluene	677	91.0	"	909	ND	74.5	18-131		40.3	30	Non-dir.
2-Chloronaphthalene	483	91.0	"	909	ND	53.1	10-129		2.59	30	
2-Chlorophenol	477	91.0	"	909	ND	52.4	15-116		1.23	30	
2-Methylnaphthalene	502	91.0	"	909	ND	55.2	10-147		6.45	30	
2-Methylphenol	515	91.0	"	909	ND	56.6	10-136		4.18	30	
2-Nitroaniline	618	182	"	909	ND	67.9	10-137		6.07	30	
2-Nitrophenol	431	91.0	"	909	ND	47.4	10-129		6.45	30	
3- & 4-Methylphenols	431	91.0	"	909	ND	47.4	10-123		2.05	30	
3,3-Dichlorobenzidine	487	91.0	"	909	ND	53.5	10-155		13.1	30	
3-Nitroaniline	653	182	"	909	ND	71.8	12-133		6.09	30	
4,6-Dinitro-2-methylphenol	361	182	"	909	ND	39.7	10-155		0.607	30	
4-Bromophenyl phenyl ether	484	91.0	"	909	ND	53.2	14-128		7.25	30	
4-Chloro-3-methylphenol	512	91.0	"	909	ND	56.3	10-134		6.45	30	
4-Chloroaniline	411	91.0	"	909	ND	45.2	10-145		3.79	30	
4-Chlorophenyl phenyl ether	471	91.0	"	909	ND	51.8	14-130		1.53	30	
4-Nitroaniline	658	182	"	909	ND	72.3	10-147		10.4	30	
4-Nitrophenol	508	182	"	909	ND	55.8	10-137		5.98	30	
Acenaphthene	583	91.0	"	909	66.9	56.8	10-146		5.22	30	
Acenaphthylene	538	91.0	"	909	72.8	51.2	10-134		3.32	30	
Acetophenone	425	91.0	"	909	ND	46.7	10-116		2.54	30	
Aniline	316	364	"	909	ND	34.7	10-123		0.230	30	
Anthracene	709	91.0	"	909	172	59.1	10-142		19.7	30	
Atrazine	505	91.0	"	909	ND	55.5	19-115		6.55	30	
Benzaldehyde	439	91.0	"	909	ND	48.3	10-125		6.87	30	
Benzo(a)anthracene	853	91.0	"	909	413	48.5	10-158		29.6	30	
Benzo(a)pyrene	877	91.0	"	909	399	52.6	10-180		26.7	30	
Benzo(b)fluoranthene	966	91.0	"	909	485	52.9	10-200		27.9	30	
Benzo(g,h,i)perylene	777	91.0	"	909	290	53.5	10-138		15.9	30	
Benzo(k)fluoranthene	691	91.0	"	909	175	56.7	10-197		18.3	30	
Benzoic acid	152	91.0	"	909	ND	16.7	10-166		0.477	30	
Benzyl alcohol	437	91.0	"	909	ND	48.0	12-124		3.44	30	
Benzyl butyl phthalate	479	91.0	"	909	ND	52.7	10-154		3.72	30	
Bis(2-chloroethoxy)methane	429	91.0	"	909	ND	47.1	10-132		1.71	30	
Bis(2-chloroethyl)ether	447	91.0	"	909	ND	49.2	10-119		11.0	30	
Bis(2-chloroisopropyl)ether	445	91.0	"	909	ND	49.0	10-139		3.32	30	
Bis(2-ethylhexyl)phthalate	691	91.0	"	909	123	62.5	10-167		12.2	30	
Caprolactam	516	182	"	909	ND	56.7	10-132		14.0	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31068 - EPA 3550C											
Matrix Spike Dup (BE31068-MSD1)	*Source sample: 23E0546-01 (Matrix Spike Dup)							Prepared & Analyzed: 05/16/2023			
Carbazole	551	91.0	ug/kg dry	909	49.5	55.1	10-167		7.75	30	
Chrysene	851	91.0	"	909	409	48.6	10-156		28.8	30	
Dibenzo(a,h)anthracene	572	91.0	"	909	74.2	54.7	10-137		9.11	30	
Dibenzofuran	497	91.0	"	909	ND	54.6	10-147			30	
Diethyl phthalate	455	91.0	"	909	ND	50.1	20-120		0.796	30	
Dimethyl phthalate	442	91.0	"	909	ND	48.6	18-131		0.165	30	
Di-n-butyl phthalate	528	91.0	"	909	ND	58.1	10-137		2.72	30	
Di-n-octyl phthalate	597	91.0	"	909	ND	65.7	10-180		3.82	30	
Diphenylamine	989	182	"	909	ND	109	40-140		2.90	30	
Fluoranthene	1150	91.0	"	909	853	32.6	10-160		41.5	30	Non-dir.
Fluorene	647	91.0	"	909	ND	71.1	10-157		7.47	30	
Hexachlorobenzene	773	91.0	"	909	ND	85.0	10-137		24.3	30	
Hexachlorobutadiene	457	91.0	"	909	ND	50.2	10-132		6.75	30	
Hexachlorocyclopentadiene	ND	91.0	"	909	ND		10-106	Low Bias		30	
Hexachloroethane	381	91.0	"	909	ND	41.8	10-110		0.191	30	
Indeno(1,2,3-cd)pyrene	837	91.0	"	909	308	58.1	10-144		20.1	30	
Isophorone	469	91.0	"	909	ND	51.6	10-132		0.622	30	
Naphthalene	533	91.0	"	909	48.7	53.2	10-141		0.685	30	
Nitrobenzene	407	91.0	"	909	ND	44.7	10-131		1.42	30	
N-Nitrosodimethylamine	372	91.0	"	909	ND	40.9	10-126		17.0	30	
N-nitroso-di-n-propylamine	455	91.0	"	909	ND	50.0	10-125		0.481	30	
N-Nitrosodiphenylamine	1280	91.0	"	909	ND	141	10-177		19.0	30	
Pentachlorophenol	370	91.0	"	909	ND	40.7	10-153		15.9	30	
Phenanthrene	971	91.0	"	909	578	43.2	10-148		42.3	30	Non-dir.
Phenol	498	91.0	"	909	ND	54.7	10-126		1.62	30	
Pyrene	1130	91.0	"	909	904	24.6	10-165		37.5	30	Non-dir.
Surrogate: SURR: 2-Fluorophenol	*892*		"	*1820*		*49.0*	*20-108*				
Surrogate: SURR: Phenol-d6	*941*		"	*1820*		*51.7*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*464*		"	*909*		*51.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*445*		"	*909*		*49.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1330*		"	*1820*		*73.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*540*		"	*909*		*59.4*	*24-116*				

Semivolatile Organic Compounds by GC/MS TIC - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31068 - EPA 3550C											
Blank (BE31068-BLK1)											Prepared & Analyzed: 05/16/2023
Tentatively Identified Compounds	0.00		ug/kg wet								

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31079 - EPA 3550C											
Blank (BE31079-BLK1)											Prepared: 05/16/2023 Analyzed: 05/17/2023
4,4'-DDD	ND	1.65	ug/kg wet								
4,4'-DDE	ND	1.65	"								
4,4'-DDT	ND	1.65	"								
Aldrin	ND	1.65	"								
alpha-BHC	ND	1.65	"								
alpha-Chlordane	ND	1.65	"								
beta-BHC	ND	1.65	"								
Chlordane, total	ND	3.30	"								
delta-BHC	ND	1.65	"								
Dieldrin	ND	1.65	"								
Endosulfan I	ND	1.65	"								
Endosulfan II	ND	1.65	"								
Endosulfan sulfate	ND	1.65	"								
Endrin	ND	1.65	"								
Endrin aldehyde	ND	1.65	"								
Endrin ketone	ND	1.65	"								
gamma-BHC (Lindane)	ND	1.65	"								
gamma-Chlordane	ND	1.65	"								
Heptachlor	ND	1.65	"								
Heptachlor epoxide	ND	1.65	"								
Methoxychlor	ND	8.25	"								
Toxaphene	ND	83.5	"								
Chlordane, total (alpha, gamma)	ND	1.65	"								
Surrogate: Tetrachloro-m-xylene	*43.3*		*"*	*66.7*		*64.9*	*30-140*				
Surrogate: Decachlorobiphenyl	*59.3*		*"*	*66.7*		*89.0*	*30-140*				
LCS (BE31079-BS1)											Prepared: 05/16/2023 Analyzed: 05/17/2023
4,4'-DDD	28.5	1.65	ug/kg wet	33.3		85.4	40-140				
4,4'-DDE	26.0	1.65	"	33.3		78.1	40-140				
4,4'-DDT	22.3	1.65	"	33.3		66.8	40-140				
Aldrin	25.0	1.65	"	33.3		75.1	40-140				
alpha-BHC	25.0	1.65	"	33.3		75.0	40-140				
alpha-Chlordane	27.6	1.65	"	33.3		82.9	40-140				
beta-BHC	28.3	1.65	"	33.3		85.0	40-140				
delta-BHC	23.4	1.65	"	33.3		70.2	40-140				
Dieldrin	27.3	1.65	"	33.3		81.9	40-140				
Endosulfan I	28.0	1.65	"	33.3		83.9	40-140				
Endosulfan II	28.0	1.65	"	33.3		84.0	40-140				
Endosulfan sulfate	27.9	1.65	"	33.3		83.8	40-140				
Endrin	26.1	1.65	"	33.3		78.2	40-140				
Endrin aldehyde	27.5	1.65	"	33.3		82.6	40-140				
Endrin ketone	29.3	1.65	"	33.3		87.9	40-140				
gamma-BHC (Lindane)	25.0	1.65	"	33.3		75.0	40-140				
gamma-Chlordane	26.8	1.65	"	33.3		80.3	40-140				
Heptachlor	23.7	1.65	"	33.3		71.2	40-140				
Heptachlor epoxide	27.4	1.65	"	33.3		82.3	40-140				
Methoxychlor	25.0	8.25	"	33.3		75.1	40-140				
Surrogate: Tetrachloro-m-xylene	*44.8*		*"*	*66.7*		*67.2*	*30-140*				
Surrogate: Decachlorobiphenyl	*64.5*		*"*	*66.7*		*96.8*	*30-140*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31079 - EPA 3550C											
Matrix Spike (BE31079-MS1)	*Source sample: 23E0826-03 (C-3)								Prepared: 05/16/2023 Analyzed: 05/18/2023		
4,4'-DDD	12.4	1.75	ug/kg dry	35.4	ND	35.1	30-150				
4,4'-DDE	15.7	1.75	"	35.4	1.99	38.7	30-150				
4,4'-DDT	17.6	1.75	"	35.4	ND	49.8	30-150				
Aldrin	24.5	1.75	"	35.4	12.2	34.8	30-150				
alpha-BHC	15.7	1.75	"	35.4	ND	44.3	30-150				
alpha-Chlordane	19.3	1.75	"	35.4	2.76	46.7	30-150				
beta-BHC	16.0	1.75	"	35.4	ND	45.3	30-150				
delta-BHC	12.5	1.75	"	35.4	ND	35.3	30-150				
Dieldrin	17.8	1.75	"	35.4	2.18	44.2	30-150				
Endosulfan I	14.3	1.75	"	35.4	ND	40.4	30-150				
Endosulfan II	13.9	1.75	"	35.4	ND	39.4	30-150				
Endosulfan sulfate	14.3	1.75	"	35.4	ND	40.4	30-150				
Endrin	15.8	1.75	"	35.4	ND	44.8	30-150				
Endrin aldehyde	15.4	1.75	"	35.4	ND	43.6	30-150				
Endrin ketone	14.7	1.75	"	35.4	ND	41.6	30-150				
gamma-BHC (Lindane)	15.0	1.75	"	35.4	ND	42.4	30-150				
gamma-Chlordane	23.6	1.75	"	35.4	2.91	58.3	30-150				
Heptachlor	17.8	1.75	"	35.4	ND	50.3	30-150				
Heptachlor epoxide	14.1	1.75	"	35.4	2.13	33.9	30-150				
Methoxychlor	20.6	8.76	"	35.4	ND	58.3	30-150				
Surrogate: Tetrachloro-m-xylene	*24.4*		*"*	*70.8*		*34.4*	*30-140*				
Surrogate: Decachlorobiphenyl	*28.4*		*"*	*70.8*		*40.2*	*30-140*				
Matrix Spike Dup (BE31079-MSD1)	*Source sample: 23E0826-03 (C-3)								Prepared: 05/16/2023 Analyzed: 05/18/2023		
4,4'-DDD	12.1	1.78	ug/kg dry	35.9	ND	33.7	30-150		2.74	30	
4,4'-DDE	14.7	1.78	"	35.9	1.99	35.3	30-150		6.93	30	
4,4'-DDT	16.5	1.78	"	35.9	ND	46.0	30-150		6.65	30	
Aldrin	21.2	1.78	"	35.9	12.2	25.3	30-150	Low Bias	14.3	30	
alpha-BHC	16.4	1.78	"	35.9	ND	45.7	30-150		4.55	30	
alpha-Chlordane	18.3	1.78	"	35.9	2.76	43.4	30-150		5.07	30	
beta-BHC	16.5	1.78	"	35.9	ND	45.9	30-150		2.61	30	
delta-BHC	15.0	1.78	"	35.9	ND	41.8	30-150		18.1	30	
Dieldrin	15.1	1.78	"	35.9	2.18	36.0	30-150		16.6	30	
Endosulfan I	13.6	1.78	"	35.9	ND	38.0	30-150		4.97	30	
Endosulfan II	13.2	1.78	"	35.9	ND	36.8	30-150		5.41	30	
Endosulfan sulfate	15.2	1.78	"	35.9	ND	42.5	30-150		6.36	30	
Endrin	15.0	1.78	"	35.9	ND	41.7	30-150		5.66	30	
Endrin aldehyde	14.5	1.78	"	35.9	ND	40.3	30-150		6.49	30	
Endrin ketone	14.9	1.78	"	35.9	ND	41.4	30-150		0.741	30	
gamma-BHC (Lindane)	14.5	1.78	"	35.9	ND	40.5	30-150		3.35	30	
gamma-Chlordane	23.3	1.78	"	35.9	2.91	56.8	30-150		1.14	30	
Heptachlor	14.9	1.78	"	35.9	ND	41.6	30-150		17.6	30	
Heptachlor epoxide	13.0	1.78	"	35.9	2.13	30.3	30-150		8.56	30	
Methoxychlor	20.0	8.88	"	35.9	ND	55.7	30-150		3.36	30	
Surrogate: Tetrachloro-m-xylene	*20.2*		*"*	*71.7*		*28.1*	*30-140*				
Surrogate: Decachlorobiphenyl	*28.4*		*"*	*71.7*		*39.6*	*30-140*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31079 - EPA 3550C											
Blank (BE31079-BLK2)								Prepared: 05/16/2023 Analyzed: 05/17/2023			
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Aroclor 1262	ND	0.0167	"								
Aroclor 1268	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	*0.0547*		*"*	*0.0667*		*82.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0530*		*"*	*0.0667*		*79.5*	*30-140*				
LCS (BE31079-BS2)								Prepared: 05/16/2023 Analyzed: 05/17/2023			
Aroclor 1016	0.321	0.0167	mg/kg wet	0.333		96.2	40-130				
Aroclor 1260	0.347	0.0167	"	0.333		104	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0567*		*"*	*0.0667*		*85.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0600*		*"*	*0.0667*		*90.0*	*30-140*				
Matrix Spike (BE31079-MS2)	*Source sample: 23E0826-03 (C-3)							Prepared: 05/16/2023 Analyzed: 05/18/2023			
Aroclor 1016	0.0446	0.0181	mg/kg dry	0.362	ND	12.3	40-140	Low Bias			
Aroclor 1260	0.119	0.0181	"	0.362	ND	32.8	40-140	Low Bias			
Surrogate: Tetrachloro-m-xylene	*0.0395*		*"*	*0.0725*		*54.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0297*		*"*	*0.0725*		*41.0*	*30-140*				
Matrix Spike Dup (BE31079-MSD2)	*Source sample: 23E0826-03 (C-3)							Prepared: 05/16/2023 Analyzed: 05/18/2023			
Aroclor 1016	0.0258	0.0180	mg/kg dry	0.361	ND	7.14	40-140	Low Bias	53.4	50	Non-dir.
Aroclor 1260	0.0973	0.0180	"	0.361	ND	27.0	40-140	Low Bias	19.8	50	
Surrogate: Tetrachloro-m-xylene	*0.0397*		*"*	*0.0722*		*55.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0292*		*"*	*0.0722*		*40.5*	*30-140*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31072 - EPA 3550C/8151A											
Blank (BE31072-BLK1)											
Prepared: 05/16/2023 Analyzed: 05/18/2023											
2,4,5-T	ND	20.0	ug/kg wet								
2,4,5-TP (Silvex)	ND	20.0	"								
2,4-D	ND	20.0	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*392*		*"*	*417*		*94.0*	*21-150*				
LCS (BE31072-BS1)											
Prepared: 05/16/2023 Analyzed: 05/18/2023											
2,4,5-T	112	20.0	ug/kg wet	133		83.8	10-120				
2,4,5-TP (Silvex)	110	20.0	"	133		82.5	10-120				
2,4-D	121	20.0	"	133		90.6	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*339*		*"*	*417*		*81.4*	*21-150*				
Matrix Spike (BE31072-MS1)	*Source sample: 23E0826-06 (C-6)										
Prepared: 05/16/2023 Analyzed: 05/18/2023											
2,4,5-T	34.2	21.0	ug/kg dry	140	ND	24.4	10-120				
2,4,5-TP (Silvex)	33.3	21.0	"	140	ND	23.8	10-120				
2,4-D	40.3	21.0	"	140	ND	28.8	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*92.8*		*"*	*438*		*21.2*	*21-150*				
Matrix Spike Dup (BE31072-MSD1)	*Source sample: 23E0826-06 (C-6)										
Prepared: 05/16/2023 Analyzed: 05/18/2023											
2,4,5-T	44.8	21.5	ug/kg dry	143	ND	31.2	10-120		27.0	35	
2,4,5-TP (Silvex)	44.8	21.5	"	143	ND	31.2	10-120		29.5	35	
2,4-D	51.1	21.5	"	143	ND	35.6	10-118		23.6	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*68.1*		*"*	*448*		*15.2*	*21-150*				

Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31071 - EPA 3546 ETPH											
Blank (BE31071-BLK1)								Prepared: 05/16/2023 Analyzed: 05/18/2023			
ETPH (Extractable Total Petroleum Hydrocarbons)	ND	40.0	mg/kg wet								
Surrogate: 1-Chlorooctadecane	*7.99*		*"*	*10.0*		*79.9*	*50-150*				
LCS (BE31071-BS1)								Prepared: 05/16/2023 Analyzed: 05/18/2023			
ETPH (Extractable Total Petroleum Hydrocarbons)	63.7	40.0	mg/kg wet	75.0		85.0	39.8-123				
Surrogate: 1-Chlorooctadecane	*6.39*		*"*	*10.0*		*63.9*	*50-150*				
Batch BE31074 - EPA 3545A											
Blank (BE31074-BLK1)								Prepared & Analyzed: 05/16/2023			
Total EPH	ND	50.0	mg/kg wet								
Surrogate: 1-Chlorooctadecane	*8.33*		*"*	*10.0*		*83.3*	*31.6-128*				
Surrogate: o-Terphenyl	*8.17*		*"*	*10.0*		*81.7*	*28.7-124*				
LCS (BE31074-BS1)								Prepared & Analyzed: 05/16/2023			
Total EPH	118	50.0	mg/kg wet	160		73.8	40-140				
Surrogate: 1-Chlorooctadecane	*8.75*		*"*	*10.0*		*87.5*	*31.6-128*				
Surrogate: o-Terphenyl	*8.53*		*"*	*10.0*		*85.3*	*28.7-124*				
LCS Dup (BE31074-BSD1)								Prepared & Analyzed: 05/16/2023			
Total EPH	107	50.0	mg/kg wet	160		66.6	40-140		10.3	30	
Surrogate: 1-Chlorooctadecane	*8.05*		*"*	*10.0*		*80.5*	*31.6-128*				
Surrogate: o-Terphenyl	*7.74*		*"*	*10.0*		*77.4*	*28.7-124*				
Duplicate (BE31074-DUP1)	*Source sample: 23E0731-44 (Duplicate)							Prepared & Analyzed: 05/16/2023			
Total EPH	ND	54.0	mg/kg dry		ND					200	
Surrogate: 1-Chlorooctadecane	*9.92*		*"*	*10.8*		*91.8*	*31.6-128*				
Surrogate: o-Terphenyl	*9.52*		*"*	*10.8*		*88.1*	*28.7-124*				

Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31074 - EPA 3545A											
Matrix Spike (BE31074-MS1)	*Source sample: 23E0731-44 (Matrix Spike)							Prepared & Analyzed: 05/16/2023			
Total EPH	141	54.0	mg/kg dry	173	ND	81.3	30-140				
Surrogate: 1-Chlorooctadecane	*8.88*		"	*10.8*		*82.2*	*31.6-128*				
Surrogate: o-Terphenyl	*8.45*		"	*10.8*		*78.2*	*28.7-124*				
Batch BE31330 - EPA 3546 ETPH											
Blank (BE31330-BLK1)								Prepared & Analyzed: 05/19/2023			
ETPH (Extractable Total Petroleum Hydrocarbons)	ND	39.6	mg/kg wet								
Surrogate: 1-Chlorooctadecane	*7.97*		"	*9.90*		*80.5*	*50-150*				
LCS (BE31330-BS1)								Prepared & Analyzed: 05/19/2023			
ETPH (Extractable Total Petroleum Hydrocarbons)	70.4	39.6	mg/kg wet	74.3		94.8	39.8-123				
Surrogate: 1-Chlorooctadecane	*8.07*		"	*9.90*		*81.5*	*50-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31197 - EPA 3050B											
Blank (BE31197-BLK1)									Prepared: 05/17/2023 Analyzed: 05/19/2023		
Aluminum	ND	4.17	mg/kg wet								
Antimony	ND	2.08	"								
Arsenic	ND	1.25	"								
Barium	ND	2.08	"								
Beryllium	ND	0.042	"								
Cadmium	ND	0.250	"								
Calcium	ND	4.17	"								
Chromium	ND	0.417	"								
Cobalt	ND	0.333	"								
Copper	ND	1.67	"								
Iron	ND	20.8	"								
Lead	ND	0.417	"								
Magnesium	ND	4.17	"								
Manganese	ND	0.417	"								
Nickel	ND	0.830	"								
Potassium	ND	4.17	"								
Selenium	ND	2.08	"								
Silver	ND	0.420	"								
Sodium	ND	41.7	"								
Thallium	ND	2.08	"								
Vanadium	ND	0.830	"								
Zinc	ND	2.08	"								
Duplicate (BE31197-DUP1)	*Source sample: 23E0971-04 (Duplicate)								Prepared: 05/17/2023 Analyzed: 05/19/2023		
Aluminum	4310	6.00	mg/kg dry		6200				35.8	35	Non-dir.
Antimony	14.2	3.00	"		7.91				56.6	35	Non-dir.
Arsenic	12.4	1.80	"		8.65				35.9	35	Non-dir.
Barium	67.6	2.99	"		69.0				2.05	35	
Beryllium	ND	0.060	"		ND					35	
Cadmium	ND	0.360	"		0.716					35	
Calcium	27800	6.00	"		36200				26.3	35	
Chromium	30.1	0.600	"		42.4				33.8	35	
Cobalt	7.73	0.479	"		7.00				9.94	35	
Copper	278	2.40	"		269				3.38	35	
Iron	42500	30.0	"		29400				36.6	35	Non-dir.
Lead	257	0.600	"		310				18.9	35	
Magnesium	10300	6.00	"		14800				35.6	35	Non-dir.
Manganese	294	0.600	"		246				17.6	35	
Nickel	26.6	1.19	"		23.8				11.3	35	
Potassium	531	6.00	"		994				60.6	35	Non-dir.
Selenium	ND	3.00	"		ND					35	
Silver	ND	0.605	"		ND					35	
Sodium	565	60.0	"		606				6.86	35	
Thallium	8.86	3.00	"		5.11				53.8	35	Non-dir.
Vanadium	25.0	1.19	"		25.3				1.50	35	
Zinc	652	2.99	"		468				32.8	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31197 - EPA 3050B											
Matrix Spike (BE31197-MS1)	*Source sample: 23E0971-04 (Matrix Spike)							Prepared: 05/17/2023 Analyzed: 05/19/2023			
Aluminum	4860	6.00	mg/kg dry	240	6200	NR	75-125	Low Bias			
Antimony	19.8	3.00	"	30.0	7.91	39.8	75-125	Low Bias			
Arsenic	218	1.80	"	240	8.65	87.1	75-125				
Barium	360	2.99	"	240	69.0	121	75-125				
Beryllium	5.27	0.060	"	6.00	ND	87.8	75-125				
Cadmium	5.01	0.360	"	6.00	0.716	71.6	75-125	Low Bias			
Calcium	25600	6.00	"	120	36200	NR	75-125	Low Bias			
Chromium	55.1	0.600	"	24.0	42.4	52.8	75-125	Low Bias			
Cobalt	59.5	0.479	"	60.0	7.00	87.6	75-125				
Copper	296	2.40	"	30.0	269	88.9	75-125				
Iron	32200	30.0	"	120	29400	NR	75-125	High Bias			
Lead	436	0.600	"	60.0	310	209	75-125	High Bias			
Magnesium	8900	6.00	"	120	14800	NR	75-125	Low Bias			
Manganese	311	0.600	"	60.0	246	107	75-125				
Nickel	117	1.19	"	60.0	23.8	155	75-125	High Bias			
Potassium	670	6.00	"	120	994	NR	75-125	Low Bias			
Selenium	131	3.00	"	240	ND	54.5	75-125	Low Bias			
Silver	1.60	0.605	"	6.00	ND	26.7	75-125	Low Bias			
Sodium	699	60.0	"	120	606	78.0	75-125				
Thallium	198	3.00	"	240	5.11	80.2	75-125				
Vanadium	81.9	1.19	"	60.0	25.3	94.3	75-125				
Zinc	874	2.99	"	60.0	468	677	75-125	High Bias			
Post Spike (BE31197-PS1)	*Source sample: 23E0971-04 (Post Spike)							Prepared: 05/17/2023 Analyzed: 05/19/2023			
Aluminum	53.1		ug/mL	1.00	51.6	147	75-125	High Bias			
Antimony	0.191		"	0.125	0.066	99.7	75-125				
Arsenic	1.10		"	1.00	0.072	102	75-125				
Barium	1.60		"	1.00	0.576	102	75-125				
Beryllium	0.024		"	0.0250	-0.0008	94.9	75-125				
Cadmium	0.029		"	0.0250	0.006	93.3	75-125				
Calcium	304		"	0.500	302	517	75-125	High Bias			
Chromium	0.447		"	0.100	0.353	94.1	75-125				
Cobalt	0.297		"	0.250	0.058	95.5	75-125				
Copper	2.40		"	0.125	2.24	123	75-125				
Iron	239		"	0.500	245	NR	75-125	Low Bias			
Lead	2.92		"	0.250	2.59	131	75-125	High Bias			
Magnesium	121		"	0.500	123	NR	75-125	Low Bias			
Manganese	2.25		"	0.250	2.05	79.4	75-125				
Nickel	0.438		"	0.250	0.198	96.1	75-125				
Potassium	8.88		"	0.500	8.28	120	75-125				
Selenium	0.578		"	1.00	-0.260	57.8	75-125	Low Bias			
Silver	0.0007		"	0.0250	-0.027	2.61	75-125	Low Bias			
Sodium	5.59		"	0.500	5.05	109	75-125				
Thallium	0.968		"	1.00	0.043	92.5	75-125				
Vanadium	0.461		"	0.250	0.211	99.8	75-125				
Zinc	4.14		"	0.250	3.90	96.6	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31197 - EPA 3050B											
Reference (BE31197-SRM1)									Prepared: 05/17/2023 Analyzed: 05/19/2023		
Aluminum	8040	4.17	mg/kg wet	8040		100	49.9-150.5				
Antimony	64.4	2.08	"	129		49.9	18-250.4				
Arsenic	195	1.25	"	183		106	69.9-130.1				
Barium	330	2.08	"	297		111	75.1-125.3				
Beryllium	81.5	0.042	"	78.8		103	75-124.9				
Cadmium	238	0.250	"	221		108	75.1-124.9				
Calcium	4790	4.17	"	4710		102	72.4-127.4				
Chromium	209	0.417	"	200		105	70-130				
Cobalt	110	0.333	"	97.4		113	74.9-125.3				
Copper	155	1.67	"	136		114	75-125				
Iron	13200	20.8	"	14000		94.1	34.9-165.7				
Lead	261	0.417	"	257		102	73.9-126.1				
Magnesium	2400	4.17	"	2290		105	62-138.4				
Manganese	402	0.417	"	381		105	75.9-124.1				
Nickel	204	0.830	"	169		121	69.8-129.6				
Potassium	2000	4.17	"	2030		98.6	59.1-140.9				
Selenium	177	2.08	"	217		81.7	69.1-131.3				
Silver	61.0	0.420	"	67.8		90.0	70.6-129.2				
Sodium	459	41.7	"	427		107	58.3-141.9				
Thallium	83.1	2.08	"	80.5		103	65.1-135.4				
Vanadium	208	0.830	"	205		101	74.6-125.4				
Zinc	238	2.08	"	224		106	70.1-130.4				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31198 - EPA 7473 soil											
Blank (BE31198-BLK1)								Prepared & Analyzed: 05/17/2023			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BE31198-DUP1)	*Source sample: 23E0660-05 (Duplicate)							Prepared & Analyzed: 05/17/2023			
Mercury	0.123	0.0325	mg/kg dry		0.142				14.3	35	
Matrix Spike (BE31198-MS1)	*Source sample: 23E0660-05 (Matrix Spike)							Prepared & Analyzed: 05/17/2023			
Mercury	0.668		mg/kg	0.500	0.131	108	75-125				
Reference (BE31198-SRM1)								Prepared & Analyzed: 05/17/2023			
Mercury	34.816		mg/kg	27.2		128	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31039 - Analysis Preparation											
Duplicate (BE31039-DUP1)	*Source sample: 23E0826-01 (C-1)							Prepared & Analyzed: 05/15/2023			
pH	11.1	0.500	pH units		11.2				0.537	10	
Batch BE31205 - Analysis Preparation Soil											
Blank (BE31205-BLK1)								Prepared & Analyzed: 05/17/2023			
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BE31205-DUP1)	*Source sample: 23E0748-11 (Duplicate)							Prepared & Analyzed: 05/17/2023			
Cyanide, total	ND	0.512	mg/kg dry		ND					15	
Matrix Spike (BE31205-MS1)	*Source sample: 23E0748-11 (Matrix Spike)							Prepared & Analyzed: 05/17/2023			
Cyanide, total	9.57	0.512	mg/kg dry	10.2	ND	93.5	79.6-107				
Matrix Spike Dup (BE31205-MSD1)	*Source sample: 23E0748-11 (Matrix Spike Dup)							Prepared & Analyzed: 05/17/2023			
Cyanide, total	9.26	0.512	mg/kg dry	10.2	ND	90.5	79.6-107		3.26	200	
Reference (BE31205-SRM1)								Prepared & Analyzed: 05/17/2023			
Cyanide, total	140		ug/mL	131		107	44.4-156.5				
Batch BE31244 - Analysis Preparation Soil											
Blank (BE31244-BLK1)								Prepared & Analyzed: 05/18/2023			
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BE31244-DUP1)	*Source sample: 23E0784-04 (Duplicate)							Prepared & Analyzed: 05/18/2023			
Cyanide, total	ND	0.547	mg/kg dry		ND					15	

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31244 - Analysis Preparation Soil											
Matrix Spike (BE31244-MS1)	*Source sample: 23E0784-04 (Matrix Spike)								Prepared & Analyzed: 05/18/2023		
Cyanide, total	7.66	0.547	mg/kg dry	10.9	ND	70.0	79.6-107	Low Bias			
Matrix Spike Dup (BE31244-MSD1)	*Source sample: 23E0784-04 (Matrix Spike Dup)								Prepared & Analyzed: 05/18/2023		
Cyanide, total	4.05	0.547	mg/kg dry	10.9	ND	37.0	79.6-107	Low Bias	61.7	200	
Reference (BE31244-SRM1)									Prepared & Analyzed: 05/18/2023		
Cyanide, total	82.5		ug/mL	131		63.0	44.4-156.5				
Batch BE31300 - EPA SW846-3060											
Blank (BE31300-BLK1)									Prepared & Analyzed: 05/18/2023		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BE31300-DUP1)	*Source sample: 23E0802-01 (Duplicate)								Prepared & Analyzed: 05/18/2023		
Chromium, Hexavalent	ND	0.573	mg/kg dry		ND					35	
Matrix Spike (BE31300-MS1)	*Source sample: 23E0802-01 (Matrix Spike)								Prepared & Analyzed: 05/18/2023		
Chromium, Hexavalent	19.1	0.573	mg/kg dry	22.9	ND	83.4	75-125				
Matrix Spike Dup (BE31300-MSD1)	*Source sample: 23E0802-01 (Matrix Spike Dup)								Prepared & Analyzed: 05/18/2023		
Chromium, Hexavalent	19.4	0.573	mg/kg dry	22.9	ND	84.4	75-125		1.19	200	
Reference (BE31300-SRM1)									Prepared & Analyzed: 05/18/2023		
Chromium, Hexavalent	185		mg/L	227		81.7	42.3-157.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31040 - Analysis Preparation											
Duplicate (BE31040-DUP1)	*Source sample: 23E0826-01 (C-1)								Prepared & Analyzed: 05/15/2023		
ORP (Oxidation-Reduction Potential) (Ag/AgCl)	340	-200	mV		380				10.3	30	
Batch BE31264 - % Solids Prep											
Duplicate (BE31264-DUP1)	*Source sample: 23E0828-11 (Duplicate)								Prepared & Analyzed: 05/18/2023		
% Solids	91.7	0.100	%		91.2				0.555	20	

Leachate Preparations - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30977 - EPA SW 846-1312 ZHE for SPLP Volatiles											
Blank (BE30977-BLK1)									Prepared: 05/15/2023 Analyzed: 05/16/2023		
SPLP Extraction	Completed	1.00	N/A								
Batch BE30979 - EPA SW 846-1312 SPLP Extraction for BNA/Pest/Herb											
Blank (BE30979-BLK1)									Prepared: 05/15/2023 Analyzed: 05/16/2023		
SPLP Extraction	Completed	1.00	N/A								
Batch BE30980 - EPA SW 846-1312 SPLP for Extr. for Metals											
Blank (BE30980-BLK1)									Prepared: 05/15/2023 Analyzed: 05/16/2023		
SPLP Extraction	Completed	1.00	N/A								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23E0826-01	C-1	40mL Vial with Stir Bar-Cool 4° C
23E0826-02	C-2	40mL Vial with Stir Bar-Cool 4° C
23E0826-03	C-3	40mL Vial with Stir Bar-Cool 4° C
23E0826-04	C-4	40mL Vial with Stir Bar-Cool 4° C
23E0826-05	C-5	40mL Vial with Stir Bar-Cool 4° C
23E0826-06	C-6	40mL Vial with Stir Bar-Cool 4° C
23E0826-07	C-7	40mL Vial with Stir Bar-Cool 4° C
23E0826-08	C-8	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
EXT-COMP	Completed
EXT-Temp	Extraction temperture slightly exceeded acceptance range.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
PCB-I	PCB calculations are based uoon the average response of 5 peaks for each Aroclor. For this sample an internference was present and the analyst was unable to use all 5 peaks.
Temp_S2	The samples were delivered directly from the field by the client. Upon receipt, the temperature of the samples exceeded 6 deg. C. Ice was not present and the temperature excursion is noted accordingly.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
S-08	The recovery of this surrogate was outside of QC limits.
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Corrective Action: Cooler was received in Queens @ 34.5c, ice was not present.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 23E0828 (TFG)

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time
Company: Grid Logistics	SAME [X]	SAME [X]	Durante Bros	RUSH-Same Day
Address:	Name:	Name:		RUSH-Next Day
	Company:	Company:	Purchase Order #	RUSH-Two Day X
Phone.:	Address:	Address:		RUSH-Three Day
Contact: Chris Z.				RUSH-Four Day
E-mail:	E-mail:	E-mail	Samples from CT__NY__NJ__	Standard (5-7day)

Report/Deliverable Type	
Summary Report	X
QA Report	
CT RCP	
CT RCP DQA/DUE Pkg	
NY ASP A Package	
NY ASP B Package	
NJDEP Reduced Deliv	
Excel	X
NYSDEC EQuIS	
NJDEP SRP HazSite	
EQuIS	
GIS/KEY (std)	
YORK Regulatory Comp Excel compared to:	
OTHER:	

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Houpeng Lee
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
C-1	5/12/2023 0918	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction	2 Jars, 4 vials
C-2	5/12/2023 0920	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction	2 Jars, 4 vials
C-3	5/12/2023 0908	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction	2 Jars, 4 vials
C-4	5/12/2023 0910	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction	2 Jars, 4 vials
C-5	5/12/2023 0850	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction	2 Jars, 4 vials
C-6	5/12/2023 0857	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction	2 Jars, 4 vials
C-7	5/12/2023 0835	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction	2 Jars, 4 vials
C-8	5/12/2023 0838	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction	2 Jars, 4 vials

Comments: Vials Retained in Queens

Preservation (check all applicable): 4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____ ZnAc ____ Ascorbic Acid ____ Other ____

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
Houpeng Lee	5/12/2023 1405		5/12/23
	5/12/23		5/12/23
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
	17:45		2115

Temperature on Receipt: 34.5°C not on ice; 4.0 °C

REC-Victor D. York 5/12/23 17:45 REC-Victor D. York 5/12/23 2115

Technical Report

prepared for:

Grid Logistics LLC
78 John Miller Way, Suite 312
Kearny NJ, 07032
Attention: Chris Zacharias

Report Date: 05/19/2023
Client Project ID: Durante Bros
York Project (SDG) No.: 23E0828

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 05/19/2023
Client Project ID: Durante Bros
York Project (SDG) No.: 23E0828

Grid Logistics LLC
78 John Miller Way, Suite 312
Kearny NJ, 07032
Attention: Chris Zacharias

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 12, 2023 and listed below. The project was identified as your project: **Durante Bros**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23E0828-01	G-1	Soil	05/12/2023	05/12/2023
23E0828-02	G-2	Soil	05/12/2023	05/12/2023
23E0828-03	G-3	Soil	05/12/2023	05/12/2023
23E0828-04	G-4	Soil	05/12/2023	05/12/2023
23E0828-05	G-5	Soil	05/12/2023	05/12/2023
23E0828-06	G-6	Soil	05/12/2023	05/12/2023
23E0828-07	G-7	Soil	05/12/2023	05/12/2023
23E0828-08	G-8	Soil	05/12/2023	05/12/2023
23E0828-09	G-9	Soil	05/12/2023	05/12/2023
23E0828-10	G-10	Soil	05/12/2023	05/12/2023
23E0828-11	G-11	Soil	05/12/2023	05/12/2023

General Notes for York Project (SDG) No.: 23E0828

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:  **Date:** 05/19/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: G-1 **York Sample ID:** 23E0828-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:21 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
123-91-1	1,4-Dioxane	ND		ug/kg dry	55	110	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
78-93-3	**2-Butanone**	**5.7**		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	BMC
591-78-6	2-Hexanone	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC

Sample Information

Client Sample ID: G-1 **York Sample ID:** 23E0828-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:21 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	**Acetone**	**74**	CCVE, ICVE, QL-02	ug/kg dry	5.5	11	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
107-02-8	Acrolein	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-25-2	Bromoform	ND	QL-02, CCVE	ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-82-7	Cyclohexane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-68-3	Hexachlorobutadiene	ND	QL-02	ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: G-1 **York Sample ID:** 23E0828-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:21 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-20-9	Methyl acetate	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
100-42-5	Styrene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE	ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND	QL-02	ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
127-18-4	Tetrachloroethylene	ND	QL-02	ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-88-3	Toluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-02-6	trans-1,3-Dichloropropylene	ND	QL-02	ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: G-1 **York Sample ID:** 23E0828-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:21 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*111 %*			*77-125*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.0 %*			*85-120*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*94.9 %*			*76-130*						

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 12:35	BMC

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.8**		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	05/18/2023 09:34	05/18/2023 14:12	sgs

Sample Information

Client Sample ID: G-2 **York Sample ID:** 23E0828-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:22 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: G-2 **York Sample ID:** 23E0828-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:22 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC NELAC-NY10854,NELAC-NY12058,NJDEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/kg dry	48	97	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	**Acetone**	**88**	CCVE, ICVE, QL-02	ug/kg dry	4.8	9.7	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
107-02-8	Acrolein	ND		ug/kg dry	4.8	9.7	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: G-2 **York Sample ID:** 23E0828-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:22 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND	CCVE, QL-02	ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-82-7	Cyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-68-3	Hexachlorobutadiene	ND	QL-02	ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-20-9	Methyl acetate	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/kg dry	4.8	9.7	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: G-2 **York Sample ID:** 23E0828-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:22 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/15/2023 13:03	BMC
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.8	9.7	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/15/2023 13:03	BMC
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 13:03	BMC
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 13:03	BMC
100-42-5	Styrene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 13:03	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE	ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/15/2023 13:03	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 13:03	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 13:03	BMC
108-88-3	Toluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 13:03	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 13:03	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND	QL-02	ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 13:03	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723	05/15/2023 13:03	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 13:03	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 13:03	BMC
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 13:03	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.3	15	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	05/15/2023 13:03	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*100 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*	*76-130*

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:03	BMC

Sample Information

Client Sample ID: G-2 **York Sample ID:** 23E0828-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:22 am	05/12/2023

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.3**		%	0.100	1	SM 2540G	05/18/2023 09:34	05/18/2023 14:12	sgs
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: G-3 **York Sample ID:** 23E0828-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:23 am	05/12/2023

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	05/15/2023 09:09	05/15/2023 13:32	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	05/15/2023 09:09	05/15/2023 13:32	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	05/15/2023 09:09	05/15/2023 13:32	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	05/15/2023 09:09	05/15/2023 13:32	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	05/15/2023 09:09	05/15/2023 13:32	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	05/15/2023 09:09	05/15/2023 13:32	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	05/15/2023 09:09	05/15/2023 13:32	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	05/15/2023 09:09	05/15/2023 13:32	BMC
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	05/15/2023 09:09	05/15/2023 13:32	BMC
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	05/15/2023 09:09	05/15/2023 13:32	BMC
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	05/15/2023 09:09	05/15/2023 13:32	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	05/15/2023 09:09	05/15/2023 13:32	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	05/15/2023 09:09	05/15/2023 13:32	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	05/15/2023 09:09	05/15/2023 13:32	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			

Sample Information

Client Sample ID: G-3 **York Sample ID:** 23E0828-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:23 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/kg dry	61	120	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	**2-Butanone**	**7.7**		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
591-78-6	2-Hexanone	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	**Acetone**	**71**	CCVE, ICVE, QL-02	ug/kg dry	6.1	12	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
107-02-8	Acrolein	ND		ug/kg dry	6.1	12	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	Benzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-97-5	Bromochloromethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-25-2	Bromoform	ND	CCVE, QL-02	ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-00-3	Chloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: G-3 **York Sample ID:** 23E0828-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:23 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-82-7	Cyclohexane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-68-3	Hexachlorobutadiene	ND	QL-02	ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-20-9	Methyl acetate	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-87-2	Methylcyclohexane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/kg dry	6.1	12	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-47-6	o-Xylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.1	12	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
100-42-5	Styrene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE	ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND	QL-02	ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
127-18-4	Tetrachloroethylene	ND	QL-02	ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: G-3 **York Sample ID:** 23E0828-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:23 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 13:32	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 13:32	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND	QL-02	ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 13:32	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723	05/15/2023 13:32	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 13:32	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 13:32	BMC
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 13:32	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.1	18	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	05/15/2023 13:32	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.6 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	*76-130*

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 13:32	BMC

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.2**		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	05/18/2023 09:34	05/18/2023 14:12	sgs

Sample Information

Client Sample ID: G-4 **York Sample ID:** 23E0828-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:24 am	05/12/2023

Sample Information

Client Sample ID: G-4 **York Sample ID:** 23E0828-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:24 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/kg dry	56	110	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**4.9**	J	ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
591-78-6	2-Hexanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/15/2023 09:09	05/15/2023 14:00	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: G-4 **York Sample ID:** 23E0828-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:24 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**62**	CCVE, ICVE, QL-02	ug/kg dry	5.6	11	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	BMC
107-02-8	Acrolein	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
107-13-1	Acrylonitrile	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
71-43-2	Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-25-2	Bromoform	ND	CCVE, QL-02	ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-15-0	Carbon disulfide	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
110-82-7	Cyclohexane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
87-68-3	Hexachlorobutadiene	ND	QL-02	ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC

Sample Information

Client Sample ID: G-4 **York Sample ID:** 23E0828-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:24 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/15/2023 14:00	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 14:00	BMC
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/15/2023 14:00	BMC
75-09-2	Methylene chloride	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 14:00	BMC
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 14:00	BMC
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 14:00	BMC
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/15/2023 14:00	BMC
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/15/2023 14:00	BMC
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 14:00	BMC
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 14:00	BMC
100-42-5	Styrene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 14:00	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE	ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/15/2023 14:00	BMC
98-06-6	tert-Butylbenzene	ND	QL-02	ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 14:00	BMC
127-18-4	Tetrachloroethylene	ND	QL-02	ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 14:00	BMC
108-88-3	Toluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 14:00	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 14:00	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND	QL-02	ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 14:00	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723	05/15/2023 14:00	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 14:00	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 14:00	BMC
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/15/2023 14:00	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.4	17	1	EPA 8260C Certifications:	05/15/2023 09:09 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	05/15/2023 14:00	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*77-125*

Sample Information

Client Sample ID: G-4 **York Sample ID:** 23E0828-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:24 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: SURR: Toluene-d8*	*100 %*			*85-120*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*			*76-130*						

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	05/15/2023 09:09	05/15/2023 14:00	BMC

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.2**		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	05/18/2023 09:34	05/18/2023 14:12	sgs

Sample Information

Client Sample ID: G-5 **York Sample ID:** 23E0828-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:25 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: G-5 **York Sample ID:** 23E0828-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:25 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC NELAC-NY10854,NELAC-NY12058,NJDEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/kg dry	55	110	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
591-78-6	2-Hexanone	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	**Acetone**	**59**	ICVE, QL-02	ug/kg dry	5.5	11	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
107-02-8	Acrolein	ND	CCVE	ug/kg dry	5.5	11	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: G-5 **York Sample ID:** 23E0828-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:25 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-82-7	Cyclohexane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-20-9	Methyl acetate	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: G-5 **York Sample ID:** 23E0828-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:25 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
100-42-5	Styrene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-88-3	Toluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.0 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.5 %*	*76-130*

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:14	BMC

Sample Information

Client Sample ID: G-5 **York Sample ID:** 23E0828-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:25 am	05/12/2023

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.8**		%	0.100	1	SM 2540G	05/18/2023 09:34	05/18/2023 14:12	sgs
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: G-6 **York Sample ID:** 23E0828-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:16 am	05/12/2023

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			

Sample Information

Client Sample ID: G-6 **York Sample ID:** 23E0828-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:16 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/kg dry	48	95	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	**Acetone**	**35**	ICVE, QL-02	ug/kg dry	4.8	9.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
107-02-8	Acrolein	ND	CCVE	ug/kg dry	4.8	9.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: G-6 **York Sample ID:** 23E0828-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:16 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-82-7	Cyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-20-9	Methyl acetate	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/kg dry	4.8	9.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.8	9.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
100-42-5	Styrene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 14:42	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: G-6 **York Sample ID:** 23E0828-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:16 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications:	CTDOH-PH-0723		
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.1	14	1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.3 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.7 %*	*76-130*

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C	05/19/2023 08:00	05/19/2023 14:42	BMC
								Certifications:			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.8**		%	0.100	1	SM 2540G	05/18/2023 09:34	05/18/2023 14:12	sgs
							Certifications:	CTDOH-PH-0723		

Sample Information

Client Sample ID: G-7 **York Sample ID:** 23E0828-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 8:37 am	05/12/2023

Sample Information

Client Sample ID: G-7 **York Sample ID:** 23E0828-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 8:37 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
123-91-1	1,4-Dioxane	ND		ug/kg dry	50	100	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
78-93-3	2-Butanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC

Sample Information

Client Sample ID: G-7 **York Sample ID:** 23E0828-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 8:37 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**42**	ICVE, QL-02	ug/kg dry	5.0	10	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
107-02-8	Acrolein	ND	CCVE	ug/kg dry	5.0	10	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/19/2023 08:00	05/19/2023 15:10	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: G-7 **York Sample ID:** 23E0828-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 8:37 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/19/2023 15:10	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:10	BMC
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/19/2023 15:10	BMC
75-09-2	Methylene chloride	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:10	BMC
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:10	BMC
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:10	BMC
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/19/2023 15:10	BMC
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/19/2023 15:10	BMC
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:10	BMC
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:10	BMC
100-42-5	Styrene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:10	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/19/2023 15:10	BMC
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:10	BMC
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:10	BMC
108-88-3	Toluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:10	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:10	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:10	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723	05/19/2023 15:10	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:10	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:10	BMC
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:10	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.6	15	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	05/19/2023 15:10	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*77-125*

Sample Information

Client Sample ID: G-7 **York Sample ID:** 23E0828-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 8:37 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.5 %*			*85-120*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.0 %*			*76-130*						

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:10	BMC

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.3**		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	05/18/2023 09:34	05/18/2023 14:12	sgs

Sample Information

Client Sample ID: G-8 **York Sample ID:** 23E0828-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:02 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: G-8 **York Sample ID:** 23E0828-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:02 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC NELAC-NY10854,NELAC-NY12058,NJDEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/kg dry	51	100	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	**Acetone**	**57**	ICVE, QL-02	ug/kg dry	5.1	10	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
107-02-8	Acrolein	ND	CCVE	ug/kg dry	5.1	10	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	Benzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: G-8 **York Sample ID:** 23E0828-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:02 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: G-8 **York Sample ID:** 23E0828-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:02 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/19/2023 15:38	BMC
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/19/2023 15:38	BMC
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:38	BMC
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:38	BMC
100-42-5	Styrene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:38	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/19/2023 15:38	BMC
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:38	BMC
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:38	BMC
108-88-3	Toluene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:38	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:38	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:38	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723	05/19/2023 15:38	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:38	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:38	BMC
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 15:38	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.7	15	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	05/19/2023 15:38	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.8 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*95.7 %*	*76-130*

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 15:38	BMC

Sample Information

Client Sample ID: G-8 **York Sample ID:** 23E0828-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:02 am	05/12/2023

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.3**		%	0.100	1	SM 2540G	05/18/2023 09:34	05/18/2023 14:12	sgs
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: G-9 **York Sample ID:** 23E0828-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:00 am	05/12/2023

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			

Sample Information

Client Sample ID: G-9 **York Sample ID:** 23E0828-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:00 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/kg dry	58	120	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**7.7**		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
591-78-6	2-Hexanone	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	**Acetone**	**91**	ICVE, QL-02	ug/kg dry	5.8	12	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
107-02-8	Acrolein	ND	CCVE	ug/kg dry	5.8	12	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: G-9 **York Sample ID:** 23E0828-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:00 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
110-82-7	Cyclohexane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
74-95-3	Dibromomethane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
79-20-9	Methyl acetate	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
75-09-2	Methylene chloride	ND		ug/kg dry	5.8	12	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
95-47-6	o-Xylene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	BMC
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.8	12	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	BMC
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
100-42-5	Styrene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC

Sample Information

Client Sample ID: G-9 **York Sample ID:** 23E0828-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 9:00 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723		
79-01-6	Trichloroethylene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.9	5.8	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.6	17	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.1 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.9 %*	*76-130*

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:06	BMC
								Certifications:			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.9**		%	0.100	1	SM 2540G	05/18/2023 09:34	05/18/2023 14:12	sgs
							Certifications:	CTDOH-PH-0723		

Sample Information

Client Sample ID: G-10 **York Sample ID:** 23E0828-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 8:40 am	05/12/2023

Sample Information

Client Sample ID: G-10 **York Sample ID:** 23E0828-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 8:40 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
123-91-1	1,4-Dioxane	ND		ug/kg dry	45	89	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
78-93-3	2-Butanone	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC

Sample Information

Client Sample ID: G-10 **York Sample ID:** 23E0828-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 8:40 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**31**	ICVE, QL-02	ug/kg dry	4.5	8.9	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
107-02-8	Acrolein	ND	CCVE	ug/kg dry	4.5	8.9	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	05/19/2023 08:00	05/19/2023 16:34	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: G-10 **York Sample ID:** 23E0828-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 8:40 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/19/2023 16:34	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 16:34	BMC
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/19/2023 16:34	BMC
75-09-2	Methylene chloride	ND		ug/kg dry	4.5	8.9	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 16:34	BMC
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 16:34	BMC
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 16:34	BMC
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/19/2023 16:34	BMC
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.5	8.9	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/19/2023 16:34	BMC
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 16:34	BMC
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 16:34	BMC
100-42-5	Styrene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 16:34	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/19/2023 16:34	BMC
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 16:34	BMC
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 16:34	BMC
108-88-3	Toluene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 16:34	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 16:34	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 16:34	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723	05/19/2023 16:34	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 16:34	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 16:34	BMC
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 16:34	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.7	13	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	05/19/2023 16:34	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*77-125*

Sample Information

Client Sample ID: G-10 **York Sample ID:** 23E0828-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 8:40 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.8 %*			*85-120*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.3 %*			*76-130*						

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 16:34	BMC

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.7**		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	05/18/2023 09:34	05/18/2023 14:12	sgs

Sample Information

Client Sample ID: G-11 **York Sample ID:** 23E0828-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 8:36 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: G-11 **York Sample ID:** 23E0828-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 8:36 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC NELAC-NY10854,NELAC-NY12058,NJDEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/kg dry	44	87	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	**Acetone**	**17**	ICVE, QL-02	ug/kg dry	4.4	8.7	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
107-02-8	Acrolein	ND	CCVE	ug/kg dry	4.4	8.7	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: G-11 **York Sample ID:** 23E0828-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 8:36 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/kg dry	4.4	8.7	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: G-11 **York Sample ID:** 23E0828-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 8:36 am	05/12/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/19/2023 17:02	BMC
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.4	8.7	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/19/2023 17:02	BMC
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 17:02	BMC
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 17:02	BMC
100-42-5	Styrene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 17:02	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/19/2023 17:02	BMC
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 17:02	BMC
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 17:02	BMC
108-88-3	Toluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 17:02	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 17:02	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 17:02	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723	05/19/2023 17:02	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 17:02	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 17:02	BMC
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/19/2023 17:02	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.5	13	1	EPA 8260C Certifications:	05/19/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	05/19/2023 17:02	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.2 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.5 %*	*76-130*

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	05/19/2023 08:00	05/19/2023 17:02	BMC

Sample Information

Client Sample ID: G-11 **York Sample ID:** 23E0828-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0828	Durante Bros	Soil	May 12, 2023 8:36 am	05/12/2023

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.2		%	0.100	1	SM 2540G	05/18/2023 09:34	05/18/2023 14:12	sgs
							Certifications: CTDOH-PH-0723			

Analytical Batch Summary

Batch ID: BE31003 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23E0828-01	G-1	05/15/23
23E0828-02	G-2	05/15/23
23E0828-03	G-3	05/15/23
23E0828-04	G-4	05/15/23
BE31003-BLK1	Blank	05/15/23
BE31003-BS1	LCS	05/15/23
BE31003-BSD1	LCS Dup	05/15/23

Batch ID: BE31014 **Preparation Method:** EPA 5035A **Prepared By:** AC

YORK Sample ID	Client Sample ID	Preparation Date
23E0828-05	G-5	05/19/23
23E0828-06	G-6	05/19/23
23E0828-07	G-7	05/19/23
23E0828-08	G-8	05/19/23
23E0828-09	G-9	05/19/23
23E0828-10	G-10	05/19/23
23E0828-11	G-11	05/19/23
BE31014-BLK1	Blank	05/19/23
BE31014-BS1	LCS	05/19/23
BE31014-BSD1	LCS Dup	05/19/23

Batch ID: BE31264 **Preparation Method:** % Solids Prep **Prepared By:** sgs

YORK Sample ID	Client Sample ID	Preparation Date
23E0828-01	G-1	05/18/23
23E0828-02	G-2	05/18/23
23E0828-03	G-3	05/18/23
23E0828-04	G-4	05/18/23
23E0828-05	G-5	05/18/23
23E0828-06	G-6	05/18/23
23E0828-07	G-7	05/18/23
23E0828-08	G-8	05/18/23
23E0828-09	G-9	05/18/23
23E0828-10	G-10	05/18/23
23E0828-11	G-11	05/18/23
BE31264-DUP1	Duplicate	05/18/23

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31003 - EPA 5035A											
Blank (BE31003-BLK1)											Prepared & Analyzed: 05/15/2023
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
Tentatively Identified Compounds	0.0		"								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31003 - EPA 5035A											
Blank (BE31003-BLK1)								Prepared & Analyzed: 05/15/2023			
Methylcyclohexane	ND	5.0	ug/kg wet								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.5*		*ug/L*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.6*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.6*		*"*	*50.0*		*109*	*76-130*				
LCS (BE31003-BS1)								Prepared & Analyzed: 05/15/2023			
1,1,1,2-Tetrachloroethane	43		ug/L	50.0		86.5	75-129				
1,1,1-Trichloroethane	41		"	50.0		81.5	71-137				
1,1,2,2-Tetrachloroethane	52		"	50.0		104	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	61		"	50.0		123	58-146				
1,1,2-Trichloroethane	48		"	50.0		96.1	83-123				
1,1-Dichloroethane	47		"	50.0		93.7	75-130				
1,1-Dichloroethylene	58		"	50.0		116	64-137				
1,2,3-Trichlorobenzene	43		"	50.0		86.4	81-140				
1,2,3-Trichloropropane	46		"	50.0		92.5	81-126				
1,2,4-Trichlorobenzene	43		"	50.0		85.7	80-141				
1,2,4-Trimethylbenzene	45		"	50.0		90.4	84-125				
1,2-Dibromo-3-chloropropane	46		"	50.0		92.4	74-142				
1,2-Dibromoethane	47		"	50.0		94.7	86-123				
1,2-Dichlorobenzene	47		"	50.0		93.3	85-122				
1,2-Dichloroethane	47		"	50.0		94.6	71-133				
1,2-Dichloropropane	51		"	50.0		103	81-122				
1,3,5-Trimethylbenzene	49		"	50.0		97.3	82-126				
1,3-Dichlorobenzene	45		"	50.0		89.4	84-124				
1,4-Dichlorobenzene	44		"	50.0		88.3	84-124				
1,4-Dioxane	1000		"	1050		98.4	10-228				
2-Butanone	46		"	50.0		91.2	58-147				
2-Hexanone	52		"	50.0		104	70-139				
4-Methyl-2-pentanone	41		"	50.0		82.3	72-132				
Acetone	230		"	50.0		458	36-155	High Bias			
Acrolein	50		"	50.0		99.9	10-238				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31003 - EPA 5035A											
LCS (BE31003-BS1)								Prepared & Analyzed: 05/15/2023			
Acrylonitrile	49		ug/L	50.0		98.7	66-141				
Benzene	48		"	50.0		96.5	77-127				
Bromochloromethane	50		"	50.0		99.6	74-129				
Bromodichloromethane	48		"	50.0		95.4	81-124				
Bromoform	36		"	50.0		72.0	80-136	Low Bias			
Bromomethane	64		"	50.0		128	32-177				
Carbon disulfide	49		"	50.0		98.1	10-136				
Carbon tetrachloride	39		"	50.0		78.4	66-143				
Chlorobenzene	49		"	50.0		98.2	86-120				
Chloroethane	66		"	50.0		131	51-142				
Chloroform	47		"	50.0		93.8	76-131				
Chloromethane	54		"	50.0		107	49-132				
cis-1,2-Dichloroethylene	46		"	50.0		92.4	74-132				
cis-1,3-Dichloropropylene	45		"	50.0		89.3	81-129				
Cyclohexane	49		"	50.0		98.4	70-130				
Dibromochloromethane	47		"	50.0		93.3	10-200				
Dibromomethane	48		"	50.0		96.3	83-124				
Dichlorodifluoromethane	37		"	50.0		74.5	28-158				
Ethyl Benzene	48		"	50.0		95.6	84-125				
Hexachlorobutadiene	39		"	50.0		78.8	83-133	Low Bias			
Isopropylbenzene	47		"	50.0		94.4	81-127				
Methyl acetate	48		"	50.0		95.0	41-143				
Methyl tert-butyl ether (MTBE)	43		"	50.0		85.6	74-131				
Methylcyclohexane	46		"	50.0		92.9	70-130				
Methylene chloride	49		"	50.0		97.5	57-141				
n-Butylbenzene	48		"	50.0		96.5	80-130				
n-Propylbenzene	48		"	50.0		95.2	74-136				
o-Xylene	49		"	50.0		97.4	83-123				
p- & m- Xylenes	97		"	100		97.0	82-128				
p-Isopropyltoluene	46		"	50.0		91.3	85-125				
sec-Butylbenzene	47		"	50.0		93.1	83-125				
Styrene	48		"	50.0		96.0	86-126				
tert-Butyl alcohol (TBA)	200		"	250		78.6	70-130				
tert-Butylbenzene	40		"	50.0		80.9	80-127				
Tetrachloroethylene	38		"	50.0		76.8	80-129	Low Bias			
Toluene	48		"	50.0		96.9	85-121				
trans-1,2-Dichloroethylene	47		"	50.0		93.9	72-132				
trans-1,3-Dichloropropylene	41		"	50.0		81.6	78-132				
trans-1,4-dichloro-2-butene	47		"	50.0		94.1	75-135				
Trichloroethylene	48		"	50.0		95.0	84-123				
Trichlorofluoromethane	63		"	50.0		127	62-140				
Vinyl Chloride	61		"	50.0		122	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.0*		*"*	*50.0*		*98.0*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.4*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.5*		*"*	*50.0*		*99.0*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31003 - EPA 5035A											
LCS Dup (BE31003-BSD1)								Prepared & Analyzed: 05/15/2023			
1,1,1,2-Tetrachloroethane	42		ug/L	50.0		83.8	75-129		3.19	30	
1,1,1-Trichloroethane	40		"	50.0		80.0	71-137		1.83	30	
1,1,2,2-Tetrachloroethane	50		"	50.0		99.6	79-129		3.88	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	64		"	50.0		128	58-146		4.22	30	
1,1,2-Trichloroethane	47		"	50.0		93.4	83-123		2.87	30	
1,1-Dichloroethane	47		"	50.0		93.9	75-130		0.213	30	
1,1-Dichloroethylene	59		"	50.0		119	64-137		2.61	30	
1,2,3-Trichlorobenzene	41		"	50.0		81.8	81-140		5.47	30	
1,2,3-Trichloropropane	44		"	50.0		88.8	81-126		4.12	30	
1,2,4-Trichlorobenzene	42		"	50.0		83.4	80-141		2.65	30	
1,2,4-Trimethylbenzene	45		"	50.0		89.4	84-125		1.13	30	
1,2-Dibromo-3-chloropropane	44		"	50.0		87.5	74-142		5.54	30	
1,2-Dibromoethane	45		"	50.0		89.6	86-123		5.51	30	
1,2-Dichlorobenzene	46		"	50.0		91.5	85-122		1.86	30	
1,2-Dichloroethane	47		"	50.0		94.0	71-133		0.637	30	
1,2-Dichloropropane	50		"	50.0		99.4	81-122		3.25	30	
1,3,5-Trimethylbenzene	48		"	50.0		96.2	82-126		1.14	30	
1,3-Dichlorobenzene	44		"	50.0		87.6	84-124		2.03	30	
1,4-Dichlorobenzene	43		"	50.0		86.0	84-124		2.62	30	
1,4-Dioxane	980		"	1050		93.3	10-228		5.35	30	
2-Butanone	49		"	50.0		97.2	58-147		6.39	30	
2-Hexanone	52		"	50.0		103	70-139		0.850	30	
4-Methyl-2-pentanone	40		"	50.0		79.1	72-132		4.01	30	
Acetone	240		"	50.0		482	36-155	High Bias	5.02	30	
Acrolein	48		"	50.0		96.5	10-238		3.42	30	
Acrylonitrile	48		"	50.0		96.9	66-141		1.88	30	
Benzene	48		"	50.0		95.2	77-127		1.27	30	
Bromochloromethane	50		"	50.0		100	74-129		0.321	30	
Bromodichloromethane	47		"	50.0		93.2	81-124		2.33	30	
Bromoform	34		"	50.0		67.9	80-136	Low Bias	5.86	30	
Bromomethane	66		"	50.0		131	32-177		2.36	30	
Carbon disulfide	50		"	50.0		99.1	10-136		0.994	30	
Carbon tetrachloride	38		"	50.0		76.8	66-143		2.09	30	
Chlorobenzene	48		"	50.0		96.8	86-120		1.46	30	
Chloroethane	66		"	50.0		132	51-142		0.547	30	
Chloroform	47		"	50.0		93.5	76-131		0.320	30	
Chloromethane	52		"	50.0		105	49-132		2.25	30	
cis-1,2-Dichloroethylene	46		"	50.0		92.2	74-132		0.195	30	
cis-1,3-Dichloropropylene	43		"	50.0		86.4	81-129		3.35	30	
Cyclohexane	50		"	50.0		101	70-130		2.29	30	
Dibromochloromethane	45		"	50.0		89.1	10-200		4.63	30	
Dibromomethane	47		"	50.0		93.2	83-124		3.29	30	
Dichlorodifluoromethane	32		"	50.0		63.8	28-158		15.5	30	
Ethyl Benzene	48		"	50.0		95.3	84-125		0.293	30	
Hexachlorobutadiene	39		"	50.0		78.9	83-133	Low Bias	0.0761	30	
Isopropylbenzene	47		"	50.0		93.0	81-127		1.45	30	
Methyl acetate	47		"	50.0		93.5	41-143		1.59	30	
Methyl tert-butyl ether (MTBE)	42		"	50.0		83.7	74-131		2.29	30	
Methylcyclohexane	46		"	50.0		91.7	70-130		1.28	30	
Methylene chloride	49		"	50.0		98.5	57-141		0.959	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31003 - EPA 5035A											
LCS Dup (BE31003-BSD1)									Prepared & Analyzed: 05/15/2023		
n-Butylbenzene	48		ug/L	50.0		96.8	80-130		0.393	30	
n-Propylbenzene	47		"	50.0		95.0	74-136		0.189	30	
o-Xylene	48		"	50.0		96.1	83-123		1.30	30	
p- & m- Xylenes	96		"	100		95.7	82-128		1.38	30	
p-Isopropyltoluene	46		"	50.0		91.4	85-125		0.109	30	
sec-Butylbenzene	46		"	50.0		92.8	83-125		0.301	30	
Styrene	47		"	50.0		94.3	86-126		1.74	30	
tert-Butyl alcohol (TBA)	180		"	250		71.5	70-130		9.38	30	
tert-Butylbenzene	40		"	50.0		80.0	80-127		1.14	30	
Tetrachloroethylene	38		"	50.0		75.5	80-129	Low Bias	1.79	30	
Toluene	47		"	50.0		94.6	85-121		2.40	30	
trans-1,2-Dichloroethylene	47		"	50.0		94.4	72-132		0.531	30	
trans-1,3-Dichloropropylene	38		"	50.0		76.9	78-132	Low Bias	6.03	30	
trans-1,4-dichloro-2-butene	45		"	50.0		90.5	75-135		3.81	30	
Trichloroethylene	46		"	50.0		92.1	84-123		3.08	30	
Trichlorofluoromethane	66		"	50.0		132	62-140		4.15	30	
Vinyl Chloride	61		"	50.0		123	52-130		0.637	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.4*		*"*	*50.0*		*98.8*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.3*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.1*		*"*	*50.0*		*98.1*	*76-130*				
Batch BE31014 - EPA 5035A											
Blank (BE31014-BLK1)									Prepared & Analyzed: 05/19/2023		
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
Tentatively Identified Compounds	0.0		"								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31014 - EPA 5035A											
Blank (BE31014-BLK1)											Prepared & Analyzed: 05/19/2023
Benzene	ND	5.0	ug/kg wet								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.2*		*ug/L*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*46.3*		*"*	*50.0*		*92.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.4*		*"*	*50.0*		*94.8*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31014 - EPA 5035A											
LCS (BE31014-BS1)								Prepared & Analyzed: 05/19/2023			
1,1,1,2-Tetrachloroethane	56		ug/L	50.0		112	75-129				
1,1,1-Trichloroethane	58		"	50.0		117	71-137				
1,1,2,2-Tetrachloroethane	50		"	50.0		101	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	57		"	50.0		114	58-146				
1,1,2-Trichloroethane	50		"	50.0		99.1	83-123				
1,1-Dichloroethane	55		"	50.0		110	75-130				
1,1-Dichloroethylene	64		"	50.0		128	64-137				
1,2,3-Trichlorobenzene	49		"	50.0		97.4	81-140				
1,2,3-Trichloropropane	50		"	50.0		101	81-126				
1,2,4-Trichlorobenzene	50		"	50.0		99.6	80-141				
1,2,4-Trimethylbenzene	51		"	50.0		101	84-125				
1,2-Dibromo-3-chloropropane	50		"	50.0		100	74-142				
1,2-Dibromoethane	52		"	50.0		104	86-123				
1,2-Dichlorobenzene	49		"	50.0		97.1	85-122				
1,2-Dichloroethane	56		"	50.0		112	71-133				
1,2-Dichloropropane	53		"	50.0		105	81-122				
1,3,5-Trimethylbenzene	51		"	50.0		102	82-126				
1,3-Dichlorobenzene	48		"	50.0		96.3	84-124				
1,4-Dichlorobenzene	49		"	50.0		97.4	84-124				
1,4-Dioxane	1100		"	1050		102	10-228				
2-Butanone	49		"	50.0		98.3	58-147				
2-Hexanone	51		"	50.0		102	70-139				
4-Methyl-2-pentanone	50		"	50.0		100	72-132				
Acetone	220		"	50.0		437	36-155	High Bias			
Acrolein	41		"	50.0		82.3	10-238				
Acrylonitrile	52		"	50.0		103	66-141				
Benzene	56		"	50.0		111	77-127				
Bromochloromethane	57		"	50.0		115	74-129				
Bromodichloromethane	55		"	50.0		110	81-124				
Bromoform	51		"	50.0		102	80-136				
Bromomethane	58		"	50.0		117	32-177				
Carbon disulfide	56		"	50.0		113	10-136				
Carbon tetrachloride	62		"	50.0		123	66-143				
Chlorobenzene	54		"	50.0		108	86-120				
Chloroethane	55		"	50.0		109	51-142				
Chloroform	55		"	50.0		111	76-131				
Chloromethane	37		"	50.0		74.6	49-132				
cis-1,2-Dichloroethylene	58		"	50.0		115	74-132				
cis-1,3-Dichloropropylene	56		"	50.0		112	81-129				
Cyclohexane	51		"	50.0		103	70-130				
Dibromochloromethane	56		"	50.0		112	10-200				
Dibromomethane	52		"	50.0		103	83-124				
Dichlorodifluoromethane	26		"	50.0		51.6	28-158				
Ethyl Benzene	53		"	50.0		105	84-125				
Hexachlorobutadiene	50		"	50.0		100	83-133				
Isopropylbenzene	52		"	50.0		104	81-127				
Methyl acetate	49		"	50.0		98.9	41-143				
Methyl tert-butyl ether (MTBE)	56		"	50.0		111	74-131				
Methylcyclohexane	51		"	50.0		102	70-130				
Methylene chloride	56		"	50.0		111	57-141				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31014 - EPA 5035A											
LCS (BE31014-BS1)								Prepared & Analyzed: 05/19/2023			
n-Butylbenzene	50		ug/L	50.0		101	80-130				
n-Propylbenzene	50		"	50.0		101	74-136				
o-Xylene	54		"	50.0		107	83-123				
p- & m- Xylenes	100		"	100		105	82-128				
p-Isopropyltoluene	51		"	50.0		103	85-125				
sec-Butylbenzene	50		"	50.0		99.7	83-125				
Styrene	53		"	50.0		106	86-126				
tert-Butyl alcohol (TBA)	270		"	250		107	70-130				
tert-Butylbenzene	51		"	50.0		102	80-127				
Tetrachloroethylene	47		"	50.0		93.4	80-129				
Toluene	52		"	50.0		104	85-121				
trans-1,2-Dichloroethylene	55		"	50.0		111	72-132				
trans-1,3-Dichloropropylene	57		"	50.0		115	78-132				
trans-1,4-dichloro-2-butene	52		"	50.0		104	75-135				
Trichloroethylene	53		"	50.0		106	84-123				
Trichlorofluoromethane	53		"	50.0		105	62-140				
Vinyl Chloride	47		"	50.0		93.4	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.8*		*"*	*50.0*		*99.5*	*77-125*				
Surrogate: SURR: Toluene-d8	*47.0*		*"*	*50.0*		*94.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.4*		*"*	*50.0*		*98.9*	*76-130*				
LCS Dup (BE31014-BSD1)								Prepared & Analyzed: 05/19/2023			
1,1,1,2-Tetrachloroethane	57		ug/L	50.0		113	75-129		1.44	30	
1,1,1-Trichloroethane	61		"	50.0		122	71-137		4.30	30	
1,1,2,2-Tetrachloroethane	52		"	50.0		103	79-129		2.35	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	57		"	50.0		114	58-146		0.421	30	
1,1,2-Trichloroethane	52		"	50.0		104	83-123		5.25	30	
1,1-Dichloroethane	58		"	50.0		116	75-130		5.44	30	
1,1-Dichloroethylene	66		"	50.0		132	64-137		3.00	30	
1,2,3-Trichlorobenzene	50		"	50.0		101	81-140		3.47	30	
1,2,3-Trichloropropane	53		"	50.0		106	81-126		5.28	30	
1,2,4-Trichlorobenzene	53		"	50.0		105	80-141		5.37	30	
1,2,4-Trimethylbenzene	52		"	50.0		103	84-125		2.21	30	
1,2-Dibromo-3-chloropropane	53		"	50.0		106	74-142		5.79	30	
1,2-Dibromoethane	56		"	50.0		111	86-123		6.64	30	
1,2-Dichlorobenzene	51		"	50.0		101	85-122		4.10	30	
1,2-Dichloroethane	61		"	50.0		122	71-133		8.90	30	
1,2-Dichloropropane	53		"	50.0		107	81-122		1.68	30	
1,3,5-Trimethylbenzene	52		"	50.0		103	82-126		1.76	30	
1,3-Dichlorobenzene	51		"	50.0		103	84-124		6.57	30	
1,4-Dichlorobenzene	50		"	50.0		101	84-124		3.31	30	
1,4-Dioxane	1100		"	1050		105	10-228		2.45	30	
2-Butanone	54		"	50.0		109	58-147		10.1	30	
2-Hexanone	54		"	50.0		108	70-139		5.83	30	
4-Methyl-2-pentanone	53		"	50.0		106	72-132		5.71	30	
Acetone	230		"	50.0		465	36-155	High Bias	6.22	30	
Acrolein	47		"	50.0		94.3	10-238		13.6	30	
Acrylonitrile	56		"	50.0		112	66-141		7.98	30	
Benzene	58		"	50.0		116	77-127		4.40	30	
Bromochloromethane	61		"	50.0		121	74-129		5.57	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31014 - EPA 5035A											
LCS Dup (BE31014-BSD1)								Prepared & Analyzed: 05/19/2023			
Bromodichloromethane	56		ug/L	50.0		112	81-124		2.13	30	
Bromoform	52		"	50.0		105	80-136		2.53	30	
Bromomethane	59		"	50.0		119	32-177		1.97	30	
Carbon disulfide	58		"	50.0		115	10-136		2.38	30	
Carbon tetrachloride	64		"	50.0		129	66-143		4.59	30	
Chlorobenzene	57		"	50.0		114	86-120		4.57	30	
Chloroethane	56		"	50.0		112	51-142		2.39	30	
Chloroform	59		"	50.0		119	76-131		6.97	30	
Chloromethane	38		"	50.0		75.2	49-132		0.801	30	
cis-1,2-Dichloroethylene	60		"	50.0		121	74-132		4.59	30	
cis-1,3-Dichloropropylene	58		"	50.0		117	81-129		3.61	30	
Cyclohexane	54		"	50.0		109	70-130		5.78	30	
Dibromochloromethane	59		"	50.0		119	10-200		5.38	30	
Dibromomethane	53		"	50.0		107	83-124		3.05	30	
Dichlorodifluoromethane	25		"	50.0		49.6	28-158		3.88	30	
Ethyl Benzene	55		"	50.0		110	84-125		4.63	30	
Hexachlorobutadiene	52		"	50.0		104	83-133		3.82	30	
Isopropylbenzene	53		"	50.0		105	81-127		1.51	30	
Methyl acetate	53		"	50.0		105	41-143		6.25	30	
Methyl tert-butyl ether (MTBE)	60		"	50.0		120	74-131		7.67	30	
Methylcyclohexane	52		"	50.0		104	70-130		1.84	30	
Methylene chloride	57		"	50.0		114	57-141		2.93	30	
n-Butylbenzene	50		"	50.0		99.8	80-130		0.978	30	
n-Propylbenzene	51		"	50.0		102	74-136		1.64	30	
o-Xylene	54		"	50.0		109	83-123		1.46	30	
p- & m- Xylenes	110		"	100		108	82-128		3.44	30	
p-Isopropyltoluene	52		"	50.0		103	85-125		0.0971	30	
sec-Butylbenzene	52		"	50.0		103	83-125		3.68	30	
Styrene	55		"	50.0		109	86-126		3.10	30	
tert-Butyl alcohol (TBA)	290		"	250		116	70-130		8.48	30	
tert-Butylbenzene	51		"	50.0		102	80-127		0.0195	30	
Tetrachloroethylene	46		"	50.0		91.8	80-129		1.71	30	
Toluene	52		"	50.0		104	85-121		0.616	30	
trans-1,2-Dichloroethylene	58		"	50.0		117	72-132		5.39	30	
trans-1,3-Dichloropropylene	60		"	50.0		119	78-132		3.88	30	
trans-1,4-dichloro-2-butene	54		"	50.0		107	75-135		2.97	30	
Trichloroethylene	54		"	50.0		107	84-123		1.41	30	
Trichlorofluoromethane	55		"	50.0		110	62-140		4.33	30	
Vinyl Chloride	49		"	50.0		98.4	52-130		5.30	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.1*		*"*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.0*		*"*	*50.0*		*96.0*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.6*		*"*	*50.0*		*99.1*	*76-130*				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31264 - % Solids Prep											
Duplicate (BE31264-DUP1)	*Source sample: 23E0828-11 (G-11)								Prepared & Analyzed: 05/18/2023		
% Solids	91.7	0.100	%		91.2				0.555	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23E0828-01	G-1	40mL Vial with Stir Bar-Cool 4° C
23E0828-02	G-2	40mL Vial with Stir Bar-Cool 4° C
23E0828-03	G-3	40mL Vial with Stir Bar-Cool 4° C
23E0828-04	G-4	40mL Vial with Stir Bar-Cool 4° C
23E0828-05	G-5	40mL Vial with Stir Bar-Cool 4° C
23E0828-06	G-6	40mL Vial with Stir Bar-Cool 4° C
23E0828-07	G-7	40mL Vial with Stir Bar-Cool 4° C
23E0828-08	G-8	40mL Vial with Stir Bar-Cool 4° C
23E0828-09	G-9	40mL Vial with Stir Bar-Cool 4° C
23E0828-10	G-10	40mL Vial with Stir Bar-Cool 4° C
23E0828-11	G-11	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

Temp_S2	The samples were delivered directly from the field by the client. Upon receipt, the temperature of the samples exceeded 6 deg. C. Ice was not present and the temperature excursion is noted accordingly.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Corrective Action: Cooler was received in Queens @ 34.5c, ice was not present.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 23E0828

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time
Company: Grid Logistics	SAME [X]	SAME [X]	Durante Bros	RUSH-Same Day
Address:	Name:	Name:		RUSH-Next Day
	Company:	Company:	Purchase Order #	RUSH-Two Day X
Phone.:	Address:	Address:		RUSH-Three Day
Contact: Chris Z.				RUSH-Four Day
E-mail:	E-mail:	E-mail	Samples from CT__NY__NJ__	Standard (5-7day)

Report/Deliverable Type	
Summary Report	X
QA Report	
CT RCP	
CT RCP DQA/DUE Pkg	
NY ASP A Package	
NY ASP B Package	
NJDEP Reduced Deliv	
Excel	X
NYSDEC EQuIS	
NJDEP SRP HazSite	
EQuIS	
GIS/KEY (std)	
YORK Regulatory Comp Excel compared to:	
OTHER:	

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Houpeng Lee
Name (printed)

Matrix Codes
S - soil
Other - specify (oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
G-1	5/12/2023 0921	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction,	2 Jars, 4 vials
G-2	5/12/2023 0922	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction,	2 Jars, 4 vials
G-3	5/12/2023 0923	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction,	2 Jars, 4 vials
G-4	5/12/2023 0924	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction,	2 Jars, 4 vials
G-5	5/12/2023 0925	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction,	2 Jars, 4 vials
G-6	5/12/2023 0916	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction,	2 Jars, 4 vials
G-7	5/12/2023 0837	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction,	2 Jars, 4 vials
G-8	5/12/2023 0902	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction,	2 Jars, 4 vials
G-9	5/12/2023 0900	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction,	2 Jars, 4 vials
G-10	5/12/2023 0840	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction,	2 Jars, 4 vials
G-11	5/12/2023 0836	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction,	1 Jars, 4 vials

Comments: Vol's Retrival in Queens

****RUN ONLY VOCs****
****HOLD ALL OTHER ANALYSIS****

Preservation (check all applicable): 4°C____ Frozen____ HCl____ MeOH____ HNO_3____ H_2SO_4____ NaOH____ ZnAc____ Ascorbic Acid____ Other____

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time 5/12/23 1405	Samples Received By	Date/Time 5/12/23 1405
Samples Relinquished By	Date/Time 5/12/23 17:45	Samples Received in LAB by	Date/Time 5/12/23 2115

Temperature on Receipt: 4.0 °C (3.4°C not on ice)

DEC-Victor D. York 5/12/23 17:45 DEC-Victor D. York 2115 5/12/23

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

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York Project No. 23E0828

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: Grid Logistics	SAME [X]	SAME [X]	Durante Bros	RUSH-Same Day	Summary Report X
Address:	Name:	Name:		RUSH-Next Day	QA Report
	Company:	Company:	Purchase Order #	RUSH-Two Day X	CT RCP
Phone.:	Address:	Address:		RUSH-Three Day	CT RCP DQA/DUE Pkg
Contact: Chris Z.				RUSH-Four Day	NY ASP A Package
E-mail:	E-mail:	E-mail	Samples from CT__NY__NJ__	Standard (5-7day)	NY ASP B Package
					NJDEP Reduced Deliv
					Excel X
					NYSDEC EQuIS
					NJDEP SRP HazSite
					EQuIS
					GIS/KEY (std)
					YORK Regulatory Comp Excel compared to:
					OTHER:

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Name (printed) Hongyang Lou

Matrix Codes
S - soil
Other - specify(oil, etc.)
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GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxin/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
G-12	5/12/2023 0843	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction,	2 Jars, 4 vials
G-13	5/12/2023 0845	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction,	2 Jars, 4 vials
G-14	5/12/2023 0904	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction,	2 Jars, 4 vials
G-15	5/12/2023 0906	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction,	2 Jars, 4 vials
G-16	5/12/2023 0912	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction,	2 Jars, 4 vials
G-17	5/12/2023 0914	S	TAL/TCL + 30, incl VOCs, Herbicides, EPH Cat 2, CT ETPH, SPLP Extraction,	2 Jars, 4 vials
		REC-Vicky D. York 5/12/23 17:45		
		REL-Vicky D. York 5/12/23 2115		

Comments:

****HOLD ALL SAMPLES****
Vol's Retained in Queens

Preservation (check all applicable): 4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____ ZnAc ____ Ascorbic Acid ____ Other ____

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time	Temperature on Receipt
	5/12/2023 1405		5/12/23@1405 3.4.5R not on ice.	
	5/12/23 17:45		5/12/23 2115	4.0 °C
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time	

Technical Report

prepared for:

Grid Logistics LLC
78 John Miller Way, Suite 312
Kearny NJ, 07032
Attention: Chris Zacharias

Report Date: 05/19/2023
Client Project ID: Durante Bros
York Project (SDG) No.: 23E0825

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 05/19/2023
Client Project ID: Durante Bros
York Project (SDG) No.: 23E0825

Grid Logistics LLC
78 John Miller Way, Suite 312
Kearny NJ, 07032
Attention: Chris Zacharias

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 12, 2023 and listed below. The project was identified as your project: **Durante Bros**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23E0825-01	PFAS-1	Soil	05/12/2023	05/12/2023
23E0825-02	PFAS-2	Soil	05/12/2023	05/12/2023
23E0825-03	PFAS-3	Soil	05/12/2023	05/12/2023
23E0825-04	PFAS-4	Soil	05/12/2023	05/12/2023
23E0825-05	PFAS-5	Soil	05/12/2023	05/12/2023
23E0825-06	PFAS-6	Soil	05/12/2023	05/12/2023
23E0825-07	PFAS-7	Soil	05/12/2023	05/12/2023
23E0825-08	PFAS-8	Soil	05/12/2023	05/12/2023
23E0825-09	FB-20230512	Water	05/12/2023	05/12/2023

General Notes for York Project (SDG) No.: 23E0825

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 05/19/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **PFAS-1** **York Sample ID:** **23E0825-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0825	Durante Bros	Soil	May 12, 2023 9:19 am	05/12/2023

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL

Sample Information

Client Sample ID: PFAS-1 **York Sample ID:** 23E0825-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0825	Durante Bros	Soil	May 12, 2023 9:19 am	05/12/2023

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 17:34	WEL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*84.3 %*		*25-150*
Surrogate: M5PFHxA	*85.4 %*		*25-150*
Surrogate: M4PFHpA	*104 %*		*25-150*
Surrogate: M3PFHxS	*86.4 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*99.4 %*		*25-150*
Surrogate: M6PFDA	*97.3 %*		*25-150*
Surrogate: M7PFUdA	*86.4 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*90.9 %*		*25-150*
Surrogate: M2PFTeDA	*82.3 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*71.8 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*93.2 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*79.2 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*63.0 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*113 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*131 %*		*25-150*
Surrogate: M2-6:2 FTS	*442 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*403 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*101 %*		*25-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**94.1**		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	05/17/2023 15:54	05/17/2023 15:57	AC

Sample Information

Client Sample ID: PFAS-2 **York Sample ID:** 23E0825-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0825	Durante Bros	Soil	May 12, 2023 9:21 am	05/12/2023

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.396**		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL

Sample Information

Client Sample ID: PFAS-2 **York Sample ID:** 23E0825-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0825	Durante Bros	Soil	May 12, 2023 9:21 am	05/12/2023

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:29	WEL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*82.5 %*		*25-150*
Surrogate: M5PFHxA	*84.1 %*		*25-150*
Surrogate: M4PFHpA	*93.3 %*		*25-150*
Surrogate: M3PFHxS	*90.9 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*95.2 %*		*25-150*
Surrogate: M6PFDA	*93.3 %*		*25-150*
Surrogate: M7PFUdA	*92.8 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*87.2 %*		*25-150*
Surrogate: M2PFTeDA	*61.5 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*68.3 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*84.7 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*84.1 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*59.5 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*89.4 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*102 %*		*25-150*
Surrogate: M2-6:2 FTS	*343 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*343 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*99.8 %*		*25-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.1**		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	05/17/2023 15:54	05/17/2023 15:57	AC

Sample Information

Client Sample ID: PFAS-3 **York Sample ID:** 23E0825-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0825	Durante Bros	Soil	May 12, 2023 9:09 am	05/12/2023

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.302**		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL

Sample Information

Client Sample ID: PFAS-3 **York Sample ID:** 23E0825-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0825	Durante Bros	Soil	May 12, 2023 9:09 am	05/12/2023

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:42	WEL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*91.0 %*		*25-150*
Surrogate: M5PFHxA	*92.1 %*		*25-150*
Surrogate: M4PFHpA	*101 %*		*25-150*
Surrogate: M3PFHxS	*95.4 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*103 %*		*25-150*
Surrogate: M6PFDA	*110 %*		*25-150*
Surrogate: M7PFUdA	*98.5 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*99.5 %*		*25-150*
Surrogate: M2PFTeDA	*78.3 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*78.1 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*103 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*89.0 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*80.4 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*116 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*139 %*		*25-150*
Surrogate: M2-6:2 FTS	*423 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*376 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*109 %*		*25-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.1**		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	05/17/2023 15:54	05/17/2023 15:57	AC

Sample Information

Client Sample ID: PFAS-4 **York Sample ID:** 23E0825-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0825	Durante Bros	Soil	May 12, 2023 9:11 am	05/12/2023

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL

Sample Information

Client Sample ID: PFAS-4 **York Sample ID:** 23E0825-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0825	Durante Bros	Soil	May 12, 2023 9:11 am	05/12/2023

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 12:55	WEL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*80.4 %*		*25-150*
Surrogate: M5PFHxA	*82.8 %*		*25-150*
Surrogate: M4PFHpA	*89.0 %*		*25-150*
Surrogate: M3PFHxS	*77.5 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*86.7 %*		*25-150*
Surrogate: M6PFDA	*88.3 %*		*25-150*
Surrogate: M7PFUdA	*86.7 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*83.6 %*		*25-150*
Surrogate: M2PFTeDA	*69.1 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*68.0 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*90.6 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.6 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*62.4 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*93.8 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*117 %*		*25-150*
Surrogate: M2-6:2 FTS	*384 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*392 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*97.9 %*		*25-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.9**		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	05/17/2023 15:54	05/17/2023 15:57	AC

Sample Information

Client Sample ID: PFAS-5 **York Sample ID:** 23E0825-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0825	Durante Bros	Soil	May 12, 2023 8:51 am	05/12/2023

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL

Sample Information

Client Sample ID: PFAS-5 **York Sample ID:** 23E0825-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0825	Durante Bros	Soil	May 12, 2023 8:51 am	05/12/2023

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:39	WEL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*72.2 %*		*25-150*
Surrogate: M5PFHxA	*74.7 %*		*25-150*
Surrogate: M4PFHpA	*75.7 %*		*25-150*
Surrogate: M3PFHxS	*69.6 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*81.6 %*		*25-150*
Surrogate: M6PFDA	*86.8 %*		*25-150*
Surrogate: M7PFUdA	*84.9 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*78.2 %*		*25-150*
Surrogate: M2PFTeDA	*63.4 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*63.4 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*77.1 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*68.0 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*61.6 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*92.7 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*104 %*		*25-150*
Surrogate: M2-6:2 FTS	*307 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*358 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*82.6 %*		*25-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.7**		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	05/17/2023 15:54	05/17/2023 15:57	AC

Sample Information

Client Sample ID: PFAS-6 **York Sample ID:** 23E0825-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0825	Durante Bros	Soil	May 12, 2023 8:58 am	05/12/2023

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL

Sample Information

Client Sample ID: PFAS-6 **York Sample ID:** 23E0825-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0825	Durante Bros	Soil	May 12, 2023 8:58 am	05/12/2023

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	05/15/2023 15:25	05/18/2023 18:52	WEL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*82.8 %*		*25-150*
Surrogate: M5PFHxA	*87.1 %*		*25-150*
Surrogate: M4PFHpA	*90.9 %*		*25-150*
Surrogate: M3PFHxS	*84.8 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*93.9 %*		*25-150*
Surrogate: M6PFDA	*91.9 %*		*25-150*
Surrogate: M7PFUdA	*94.7 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*87.3 %*		*25-150*
Surrogate: M2PFTeDA	*68.1 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*78.8 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*94.3 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*69.2 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*56.2 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*102 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*127 %*		*25-150*
Surrogate: M2-6:2 FTS	*741 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*413 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*97.1 %*		*25-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.9**		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	05/17/2023 15:54	05/17/2023 15:57	AC

Sample Information

Client Sample ID: PFAS-7 **York Sample ID:** 23E0825-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0825	Durante Bros	Soil	May 12, 2023 8:39 am	05/12/2023

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL

Sample Information

Client Sample ID: PFAS-7 **York Sample ID:** 23E0825-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0825	Durante Bros	Soil	May 12, 2023 8:39 am	05/12/2023

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:09	WEL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*87.1 %*		*25-150*
Surrogate: M5PFHxA	*85.0 %*		*25-150*
Surrogate: M4PFHpA	*99.2 %*		*25-150*
Surrogate: M3PFHxS	*90.0 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*93.0 %*		*25-150*
Surrogate: M6PFDA	*95.1 %*		*25-150*
Surrogate: M7PFUdA	*92.4 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*88.7 %*		*25-150*
Surrogate: M2PFTeDA	*65.1 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*68.8 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*89.8 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*85.1 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*62.9 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*97.4 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*113 %*		*25-150*
Surrogate: M2-6:2 FTS	*489 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*396 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*100 %*		*25-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.7**		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	05/17/2023 15:54	05/17/2023 15:57	AC

Sample Information

Client Sample ID: PFAS-8 **York Sample ID:** 23E0825-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0825	Durante Bros	Soil	May 12, 2023 8:41 am	05/12/2023

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL

Sample Information

Client Sample ID: **PFAS-8** **York Sample ID:** **23E0825-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0825	Durante Bros	Soil	May 12, 2023 8:41 am	05/12/2023

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	05/15/2023 15:25	05/19/2023 13:22	WEL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*92.5 %*		*25-150*
Surrogate: M5PFHxA	*94.1 %*		*25-150*
Surrogate: M4PFHpA	*96.6 %*		*25-150*
Surrogate: M3PFHxS	*95.4 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*102 %*		*25-150*
Surrogate: M6PFDA	*100 %*		*25-150*
Surrogate: M7PFUdA	*94.7 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*95.3 %*		*25-150*
Surrogate: M2PFTeDA	*58.5 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*81.5 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*99.3 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*90.5 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*56.2 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*102 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*112 %*		*25-150*
Surrogate: M2-6:2 FTS	*378 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*345 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*111 %*		*25-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.8**		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	05/17/2023 15:54	05/17/2023 15:57	AC

Sample Information

Client Sample ID: FB-20230512 **York Sample ID:** 23E0825-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0825	Durante Bros	Water	May 12, 2023 9:27 am	05/12/2023

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL

Sample Information

Client Sample ID: FB-20230512 **York Sample ID:** 23E0825-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0825	Durante Bros	Water	May 12, 2023 9:27 am	05/12/2023

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.50	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.00	1	EPA 537m Certifications:	05/18/2023 09:02	05/18/2023 14:32	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*83.7 %*	*25-150*
Surrogate: M5PFHxA	*84.2 %*	*25-150*
Surrogate: M4PFHpA	*93.1 %*	*25-150*
Surrogate: M3PFHxS	*79.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*91.6 %*	*25-150*
Surrogate: M6PFDA	*92.7 %*	*25-150*
Surrogate: M7PFUdA	*88.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*81.3 %*	*25-150*
Surrogate: M2PFTeDA	*46.3 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*71.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*95.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*73.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*24.9 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*80.9 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*87.8 %*	*25-150*
Surrogate: M2-6:2 FTS	*93.5 %*	*25-200*
Surrogate: M2-8:2 FTS	*141 %*	*25-200*
Surrogate: M9PFNA	*94.3 %*	*25-150*

Sample and Data Qualifiers Relating to This Work Order

Temp_S2	The samples were delivered directly from the field by the client. Upon receipt, the temperature of the samples exceeded 6 deg. C. Ice was not present and the temperature excursion is noted accordingly.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon current NELAC/TNI Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Corrective Action: Cooler was received in Queens @ 34.5c, ice was not present.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 23E0825

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: Grid Logistics	SAME [X]	SAME [X]	Durante Bros	RUSH-Same Day	Summary Report X
Address:	Name:	Name:		RUSH-Next Day	QA Report
	Company:	Company:	Purchase Order #	RUSH-Two Day X	CT RCP
Phone.:	Address:	Address:		RUSH-Three Day	CT RCP DQA/DUE Pkg
Contact: Chris Z.				RUSH-Four Day	NY ASP A Package
E-mail:	E-mail:	E-mail	Samples from CT__NY__NJ__	Standard (5-7day)	NY ASP B Package
					NJDEP Reduced Deliv
					Excel X
					NYSDEC EQuIS
					NJDEP SRP HazSite
					EQuIS
					GIS/KEY (std)
					YORK Regulatory Comp Excel compared to:
					OTHER:

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Hongyang Lou
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081 Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360+ extra
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360 Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360 Expanded (No Dioxin/Furan)
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360 Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
PFAS-1	5/12/2023 0919	S	PFAS	1 jar
PFAS-2	5/12/2023 0921	S	PFAS	1 jar
PFAS-3	5/12/2023 0908	S	PFAS	1 jar
PFAS-4	5/12/2023 0911	S	PFAS	1 jar
PFAS-5	5/12/2023 0851	S	PFAS	1 jar
PFAS-6	5/12/2023 0858	S	PFAS	1 jar
PFAS-7	5/12/2023 0839	S	PFAS	1 jar
PFAS-8	5/12/2023 0841	S	PFAS	1 jar
FB-~~20230511~~ 20230512	5/12/2023 0927	GW	PFAS	1 jar

Comments:

Preservation (check all applicable): 4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By — Date/Time: 5/12/2023 1405
Samples Relinquished By — Date/Time:
Samples Received By — Date/Time: 5/12/23 3:45
Samples Received in LAB by — Date/Time:

Temperature on Receipt: not on ice.

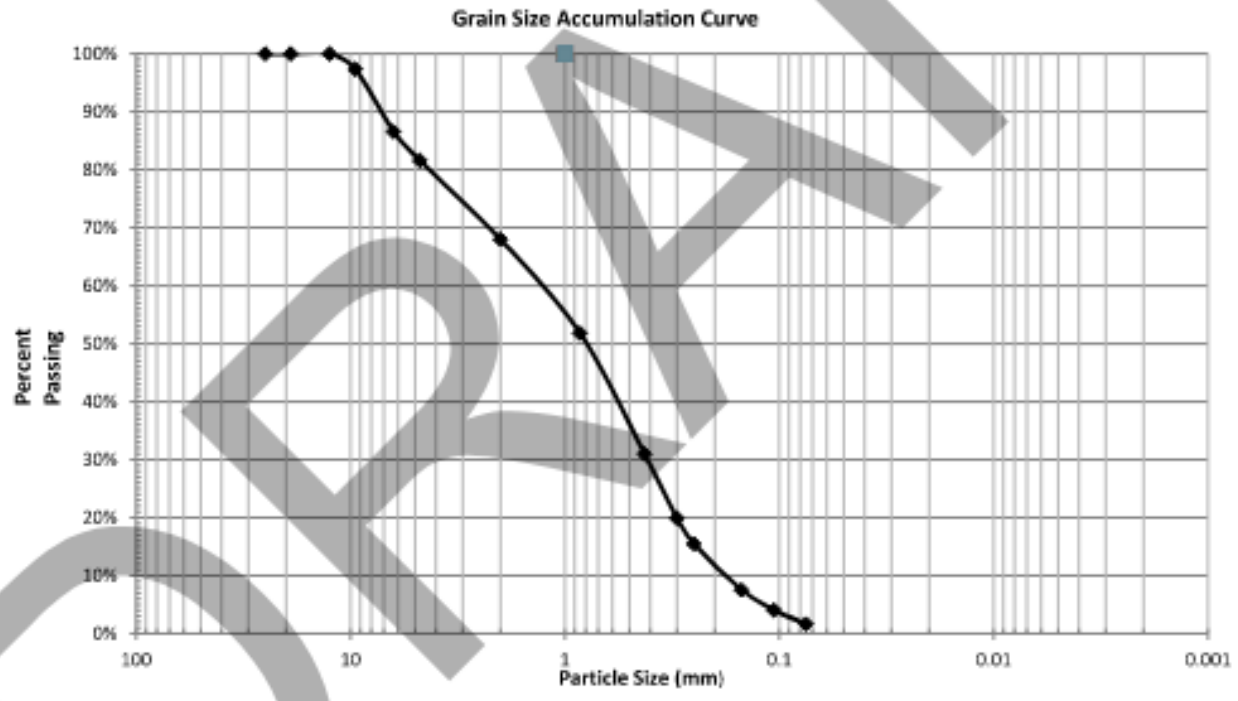
TWIN PEAKS
DELIVERING EXCELLENCE IN QUALITY SINCE 1992
37-39 30th St. Long Island City, NY 11101 T: (718)-482-1911 F: (718)-482-7767

CLIENT NAME:	Triumph	**DATE ANALYZED:**	5/23/2023
PROJECT NAME:	Willets Point OU2	**TPI PROJECT NO.:**	2200414
PROJECT ADDRESS:	Willets Point, Flushing NY	**CCTL NO. :**	8530
MATERIAL DESCRIPTION:	Cleanfill (Durante)	**DATE RECEIVED:**	5/19/2023
		TECHNICIAN:	P. Jover

PARTICLE SIZE ANALYSIS OF SOILS

ASTM D - 422

The material from the above project, labeled as indicated in the sample ID section above, was analyzed with the following results:



% Coarse Gravel	0.0%	% Coarse Sand	13.6%	% Fines	1.7%
% Fine Gravel	18.4%	% Medium Sand	37.0%		
		% Fine Sand	29.3%		

DRAFT

TWIN PEAKS
DELIVERING EXCELLENCE IN QUALITY SINCE 1992
37-39 30th St. Long Island City, NY 11101 T: (718)-482-1911 F: (718)-482-7767

CLIENT NAME:	Triumph	**DATE ANALYZED:**	5/23/2023
PROJECT NAME:	Willets Point OU2	**TPI PROJECT NO.:**	2200414
PROJECT ADDRESS:	Willets Point, Flushing NY	**CCTL NO. :**	8530
MATERIAL DESCRIPTION:	Cleanfill (Durante)	**DATE RECEIVED:**	5/19/2023
		TECHNICIAN:	P. Jover

PARTICLE SIZE ANALYSIS OF SOILS

ASTM D - 422

The material from the above project, labeled as indicated in the sample ID section above, was analyzed with the following results.

SIEVE ANALYSIS

Sieve Size	Percent Passing	Specification
1 IN	100.0%	Not Specified
3/4 IN	100.0%	
1/2 IN	100.0%	
3/8 IN	97.4%	
1/4 IN	86.6%	
No. 4	81.6%	
NO. 10	68.0%	
NO. 20	51.8%	
NO. 40	31.0%	
NO. 50	19.9%	
NO. 60	15.5%	
NO. 100	7.5%	
NO. 140	4.1%	
NO. 200	1.7%	

Remarks: Material was sampled and delivered Twin Peaks Inspector
Moisture content of sample upon receipt is 7.3%, as determined by test method ASTM D2216
Soil visual classification: SP Poorly graded sand with gravel

All general information listed in this report, location and project where the test specimens were prepared is as provided to us by the Client. All reports are confidential property of the Client, and information contained herein may not be published or reproduced without our written approval.

Results obtained is limited only to the items inspected or tested. This report cannot be reproduced, except in full, without the prior written approval of Twin Peaks.

My P.E. seal must appear in blue ink only
Otherwise this document is null and void

Mikhail Zeygman, P.E.

5/23/2023
Date

New York City Qualification No. 2

DRAFT

Nicholas Palumbo

From: Elizabeth Burgess
Sent: Monday, August 18, 2025 5:08 PM
To: Nicholas Palumbo
Subject: FW: Willets Point OU-2 (Phase 2) - C241146 - Material Import Request - Durante Bros. Construction Corp.

Elizabeth Burgess, PE
Project Engineer

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From: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Sent: Thursday, June 8, 2023 7:50 AM
To: Kristen Wexler <kwexler@langan.com>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; Gerald Nicholls <gnicholls@Langan.com>; Jason Hayes <jahayes@Langan.com>; Elizabeth Burgess <eburgess@langan.com>; Ellie Seery <Eseery@langan.com>
Subject: [External] RE: Willets Point OU-2 (Phase 2) - C241146 - Material Import Request - Durante Bros. Construction Corp.

Kristen,
The Department has reviewed the request dated March 25, 2023 to import approximately 7,000 cubic yards of general fill material from Durante Bros. Construction Corp. (Permit ID No. 41W22) located at 31-40 123rd Street in New York. The material will be used for the cover system. Based on the information provided, the request is hereby approved.

The proposed fill material meets the lower of the Restricted Residential or Groundwater Protection soil cleanup objectives (SCOs) in accordance with Part 375-6.7(d)(1). Therefore, this material may be placed below the demarcation layer or above the demarcation layer.

Testing in accordance with DER-10, the Remedial Action Work Plan and approval by the Department is required for any additional material imported from this source. Should you have any questions, please contact me.

Thank you,

Wendi Zheng
New York State Department of Environmental Conservation
P: (718) 482-7541 | wendi.zheng@dec.ny.gov

From: Kristen Wexler <kwexler@langan.com>
Sent: Wednesday, June 7, 2023 1:49 PM
To: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; gnicholls@langan.com; jahayes@Langan.com; Elizabeth Burgess <eburgess@langan.com>; Ellie Seery <Eseery@langan.com>
Subject: RE: Willets Point OU-2 (Phase 2) - C241146 - Material Import Request - Durante Bros. Construction Corp.

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Hi Wendi,

Following up on the below, please let us know if you have any further questions.

Thank You,
Kristen

Kristen Wexler
Senior Staff Scientist

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Mobile: 646.632.7082
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From: Kristen Wexler
Sent: Friday, June 2, 2023 5:12 PM
To: 'Zheng, Wendi Y (DEC)' <Wendi.Zheng@dec.ny.gov>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; Gerald Nicholls <gnicholls@Langan.com>; Jason Hayes <jahayes@Langan.com>; Elizabeth Burgess <eburgess@langan.com>; Ellie Seery <Eseery@langan.com>
Subject: RE: Willets Point OU-2 (Phase 2) - C241146 - Material Import Request - Durante Bros. Construction Corp.

Hi Wendi,

As requested, composite sample C-5 was recollected. Attached please find the laboratory report and data for the sample. No analytes exceeded the NYSDEC Protection of Groundwater or Restricted Use Restricted – Residential SCOs.

Thank You,
Kristen

Kristen Wexler
Senior Staff Scientist

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From: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Sent: Thursday, May 25, 2023 2:25 PM
To: Kristen Wexler <kwexler@langan.com>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; Gerald Nicholls <gnicholls@Langan.com>; Jason Hayes <jahayes@Langan.com>; Elizabeth Burgess <eburgess@langan.com>; Ellie Seery <Eseery@langan.com>
Subject: [External] RE: Willets Point OU-2 (Phase 2) - C241146 - Material Import Request - Durante Bros. Construction Corp.

Hi Kristen,
Are you able to retake the composite sample C-5 to see if there are still exceedances?

Wendi Zheng
New York State Department of Environmental Conservation
P: (718) 482-7541 | wendi.zheng@dec.ny.gov

From: Kristen Wexler <kwexler@langan.com>
Sent: Thursday, May 25, 2023 10:07 AM
To: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Maycock, Cris-Sandra (DEC) <cris-sandra.maycock@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; gnicholls@langan.com; jahayes@Langan.com; Elizabeth Burgess <eburgess@langan.com>; Ellie Seery <Eseery@langan.com>
Subject: Willets Point OU-2 (Phase 2) - C241146 - Material Import Request - Durante Bros. Construction Corp.

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Good Afternoon Wendi,

The contractor at Willets Point (BCP Site No. C241146) proposes import of about 7,000 CY of clean fill from the Durante Bros. Construction Corp. facility located at 31-40 123rd Street in Flushing, New York (NYSDEC Solid Waste Management Facility Registration No. 41W22). The clean fill will be used as clean cover material.

The following documentation is attached:

1. NYSDEC Material Import Request Form
1. NYSDEC Registration Form for a Solid Waste Management Facility for Durante Bros. Construction Corp.
2. Clean Source Letter by Durante Bros, dated 5/22/2023
3. Durante Brothers – May 12, 2023 Sampling Event Letter by Tenen Environmental, dated 5/22/2023
    a) Scaled Figure of Sample Locations by Grid Logistics, dated 5/12/2023
    b) Photographic Log by Grid Logistics
    c) Analytical Laboratory Report No. 23E0826 by York Analytical Laboratories, dated 5/19/2023
    d) Analytical Laboratory Report No. 23E0828 by York Analytical Laboratories, dated 5/19/2023
    e) Analytical Laboratory Report No. 23E0825 by York Analytical Laboratories, dated 5/19/2023
    f) Sieve Analysis, prepared by Twin Peaks, dated 5/23/2023

Benzo(a)anthracene marginally exceeds the NYSDEC Protection of Groundwater (PGW) and Restricted Use Restricted – Residential SCOs in one of the 8 composite samples (C-5) collected at a concentration of 1.190 mg/kg. No additional analytes exceed the NYSDEC SCOs.

Langan will also complete an on-site inspection of the stockpiles at the source facility prior to import as well as inspecting all imported loads.

Please let us know if you take exception to the import and placement of the described material.

Thank You,
Kristen

Kristen Wexler
Senior Staff Scientist

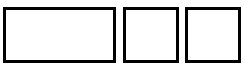
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Nicholas Palumbo

From: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Sent: Tuesday, August 19, 2025 1:44 PM
To: Nicholas Palumbo
Cc: O'Connell, Jane H (DEC); Obligado, Andre A (DEC); Gerald Nicholls; Elizabeth Burgess; PJ Dinardo
Subject: RE: Willets Point Phase 1 Senior Housing (C241146B) - Material Reuse Request

Nick,

The Department has reviewed the request dated August 18, 2025 to import approximately 1,000 cubic yards of general fill and sand blend material from Willets Point Development Triangle Parcel (BCP Site No. C241146E) located at 38-27 126th Street (a/k/a N/A Roosevelt Avenue) in New York. The material will be used for the temporary access ramp at the site. Based on the information provided, the request is hereby approved.

The proposed fill material meets the lower of the Restricted Residential or Groundwater Protection soil cleanup objectives (SCOs) as provided in Appendix 5 of DER-10 and the guidance document "Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs. Therefore, this material may be placed above the demarcation layer.

Testing in accordance with DER-10, the Site Management Plan and approval by the Department is required for any additional material imported from this source. Should you have any questions, please contact me.

Thank you,

Wendi Zheng
New York State Department of Environmental Conservation
P: (718) 482-7541 | wendi.zheng@dec.ny.gov

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From: Nicholas Palumbo <npalumbo@langan.com>
Sent: Tuesday, August 19, 2025 11:13 AM
To: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; gnicholls@langan.com; Elizabeth Burgess <eburgess@langan.com>; PJ Dinardo <pdinardo@langan.com>
Subject: RE: Willets Point Phase 1 Senior Housing (C241146B) - Material Reuse Request

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Yes, the intent is to use both materials to construct the temporary access ramp on the Senior Housing site. It will primarily consist of the Durante clean fill as that is what's on the surface, but the virgin sand from EROC will also be used if encountered. The area the contractor plans to take the material from is on the slope of the berm so the interface between the two materials varies and is uncertain.

Nick Palumbo
Project Engineer

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From: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Sent: Tuesday, August 19, 2025 10:24 AM
To: Nicholas Palumbo <npalumbo@langan.com>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; Gerald Nicholls <gnicholls@Langan.com>; Elizabeth Burgess <eburgess@langan.com>; PJ Dinardo <pdinardo@langan.com>
Subject: RE: Willets Point Phase 1 Senior Housing (C241146B) - Material Reuse Request

When this material is moved from Triangle Parcel to Senior Housing, will there be any comingling?

Thanks,

Wendi Zheng
New York State Department of Environmental Conservation
P: (718) 482-7541 | wendi.zheng@dec.ny.gov

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From: Nicholas Palumbo <npalumbo@langan.com>
Sent: Tuesday, August 19, 2025 10:21 AM
To: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; gnicholls@langan.com; Elizabeth Burgess <eburgess@langan.com>; PJ Dinardo <pdinardo@langan.com>
Subject: RE: Willets Point Phase 1 Senior Housing (C241146B) - Material Reuse Request

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Hi Wendi,

No, the general fill was placed above the virgin sand on the Triangle Parcel to construct a temporary berm over the 72-inch trunk water main.

Sincerely,
Nick

Nick Palumbo
Project Engineer

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From: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Sent: Tuesday, August 19, 2025 10:01 AM
To: Nicholas Palumbo <npalumbo@langan.com>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; Gerald Nicholls <gnicholls@Langan.com>; Elizabeth Burgess <eburgess@langan.com>; PJ Dinardo <pdinardo@langan.com>
Subject: RE: Willets Point Phase 1 Senior Housing (C241146B) - Material Reuse Request

Hi Nick,

Have the virgin sand and general fill from the previous import request been blended together at Willets Point Development Triangle Parcel site (BCP Site No. C241146E)?

Thanks,

Wendi Zheng
New York State Department of Environmental Conservation
P: (718) 482-7541 | wendi.zheng@dec.ny.gov

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From: Nicholas Palumbo <npalumbo@langan.com>
Sent: Monday, August 18, 2025 5:58 PM
To: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; gnicholls@langan.com; Elizabeth Burgess <eburgess@langan.com>; PJ Dinardo <pdinardo@langan.com>
Subject: Willets Point Phase 1 Senior Housing (C241146B) - Material Reuse Request

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Hi Wendi,

Following up from our SMP work notification on Friday, please see the link below to download the reuse request submission for DEC review. The contractor is proposing to reuse previously imported NYSDEC-approved clean fill from the Willets Point Development Triangle Parcel site (BCP Site No. C241146E) to construct a temporary access ramp on the Willets Point Development Phase 1 Senior Housing site (BCP Site No. C241146B). The reuse fill will be backfilled above the site cover system and remain until redevelopment of the Senior Housing site (BCP Site No. C241146B). The previous DEC-approvals and import requests that represent the proposed reuse material are referenced in the submission below.

https://clients.langan.com/Sharing/filesharing/ViewPosted?transactionHash=-295339020

Name	Type	Size
C241146B - Material Reuse Package - Clean Fill and Virgin Sand	.pdf	8.95 MB

Please let us know if DEC takes any exceptions to the temporary placement of the described material.

Sincerely,
Nick

Nick Palumbo
Project Engineer

LANGAN

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Nicholas Palumbo

From: Nicholas Palumbo
Sent: Thursday, August 22, 2024 5:10 PM
To: Zheng, Wendi Y (DEC)
Cc: O'Connell, Jane H (DEC); Obligado, Andre A (DEC); Hood, Harolyn L (HEALTH); Jason Hayes; Gerald Nicholls; Elizabeth Burgess; Ellie Seery; Harrison Bluestone
Subject: RE: Willets Point Triangle Parcel (C241146E) - SMP Work Notification - Geotechnical Investigation
Attachments: 2024-01-30 WP Triangle Parcel Investigation_S&S.pdf

Hi Wendi,

Following up on the below work notification that I sent for the geotechnical investigation proposed at the Triangle Parcel (C241146E), this work was put on hold pending issuance of the Certificate of Completion. I am putting it back on DEC's radar because we plan to move forward with the investigation following DEC's approval of the Site Management Plan for the Triangle Parcel. I am reattaching the boring location plan for your reference and reposting the summary of work below. There are no changes to the scope since our previous notification but the below has some clarifications to schedule, investigation derived waste (IDW) handling, and the governing work plan (forthcoming NYSDEC-approved Triangle SMP).

- Summary of work to be performed:
  - Subsurface geotechnical investigation program including drilling several geotechnical test borings and seismic cone penetration tests (sCPT). The locations of the proposed borings and sCPTs are shown on the attached drawings.
  - The test borings will be drilled to obtain soil, rock, and groundwater information for the proposed improvements to an anticipated depth between about 150 and 200 feet below site grade. A truck-mounted drill rig will be used to drill the test borings and sCPT probes.
  - Drill cuttings from the below the demarcation layer will screened visually and with a photoionization detector (PID). Cuttings that do no exhibit signs of contamination will be used to fill the borehole below the demarcation layer.
  - Investigation-derived waste (IDW), including mud, soil cuttings, drilling fluids, and decontamination fluids, will be containerized in 55-gallon drums and staged for future waste characterization and off-site disposal at a facility permitted to accept the waste.
  - Restoration of the site cover system at borehole locations will be completed using properly handled and segregated site cap (3/4-inch quarry stone and imported clean fill) or with NYSDEC-approved material.
  - Community Air Monitoring Program (CAMP) implementation.
- Environmental conditions anticipated to be encountered:
  - The geotechnical test borings will encounter the composite cover system and remaining contaminated fill from below the demarcation layer.
    - Composite cover system – At least two feet of certified-clean fill (i.e., soil/fill meeting the lower of Protection of Groundwater and Restricted Residential Soil Cleanup Objectives), and top 4 inches consisting of ¾-inch virgin crushed stone
    - Remaining contaminated fill – A physical demarcation layer, consisting of orange snow material was placed under the composite cover system to provide a visual reference. Remaining contaminated fill is expected about 2 feet below grade surface.
- Schedule: The geotechnical investigation is anticipated to start on September 3, 2024 and will take about 3 weeks to complete.
- The work will be performed in accordance with the forthcoming Triangle Parcel SMP Excavation Work Plan (EWP).
- Applicable components of the EWP include sections D-1 through D-16.

Future disposal facilities (when identified) and any necessary backfill will be forwarded to NYSDEC for record/approval.

Sincerely,
Nick

Nick Palumbo
Project Engineer

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Mobile: 917.301.1896
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From: Nicholas Palumbo
Sent: Tuesday, February 13, 2024 10:55 AM
To: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; Hood, Harolyn L (HEALTH) <Harolyn.Hood@health.ny.gov>; Jason Hayes <jahayes@Langan.com>; Gerald Nicholls <gnicholls@Langan.com>; Elizabeth Burgess <eburgess@langan.com>; Ellie Seery <Eseery@langan.com>
Subject: Willets Point Triangle Parcel (C241146E) - SMP Work Notification - Geotechnical Investigation

Hi Wendi,

Please let this email serve as a 15-day notification prior to the start of activity that is anticipated to encounter remaining contamination at the Willets Point Development Triangle Parcel BCP Site (C241146E). The work will consist of a subsurface geotechnical investigation program and will breach the site cover system, which complies with Appendix D (Excavation Work Plan) of the June 9, 2023 Interim Site Management Plan (Interim SMP). Please see below for details.:

- Summary of work to be performed:
  - Subsurface geotechnical investigation program including drilling several geotechnical test borings and seismic cone penetration tests (sCPT). The locations of the proposed borings and sCPTs are shown on the attached drawings.
  - The test borings will be drilled to obtain soil, rock, and groundwater information for the proposed improvements to an anticipated depth between about 150 and 200 feet below site grade. A truck-mounted drill rig will be used to drill the test borings and sCPT probes.
  - Drill cuttings from the below the demarcation layer will screened visually and with a photoionization detector (PID). Cuttings that do no exhibit signs of contamination will be used to fill the borehole below the demarcation layer.
  - Restoration of the site cover system at borehole locations will be completed using properly handled and segregated site cap (3/4-inch quarry stone and imported clean fill) or with NYSDEC-approved material.
  - Community Air Monitoring Program (CAMP) implementation.
- Environmental conditions anticipated to be encountered:
  - The geotechnical test borings will encounter the composite cover system and remaining contaminated fill from below the demarcation layer.

    - Composite cover system – At least two feet of certified-clean fill (i.e., soil/fill meeting the lower of Protection of Groundwater and Restricted Residential Soil Cleanup Objectives), and top 4 inches consisting of ¾-inch virgin crushed stone
    - Remaining contaminated fill – A physical demarcation layer, consisting of orange snow material was placed under the composite cover system to provide a visual reference. Remaining contaminated fill is expected about 2 feet below grade surface.
- Schedule: The geotechnical investigation is anticipated to be completed in March 2024.
- The work will be performed in accordance with the OU-1 Interim SMP Excavation Work Plan (EWP), the OU-2 Remedial Action Work Plan (RAWP), and 29 CFR 1910.120.
- Applicable components of the EWP include sections D-1 through D-16 and applicable components of the OU-2 RAWP include Section 5.4.

Future disposal facilities (when identified) and any necessary backfill will be forwarded to NYSDEC for record/approval.

Please let us know if you have any questions.

Nick Palumbo
Project Engineer

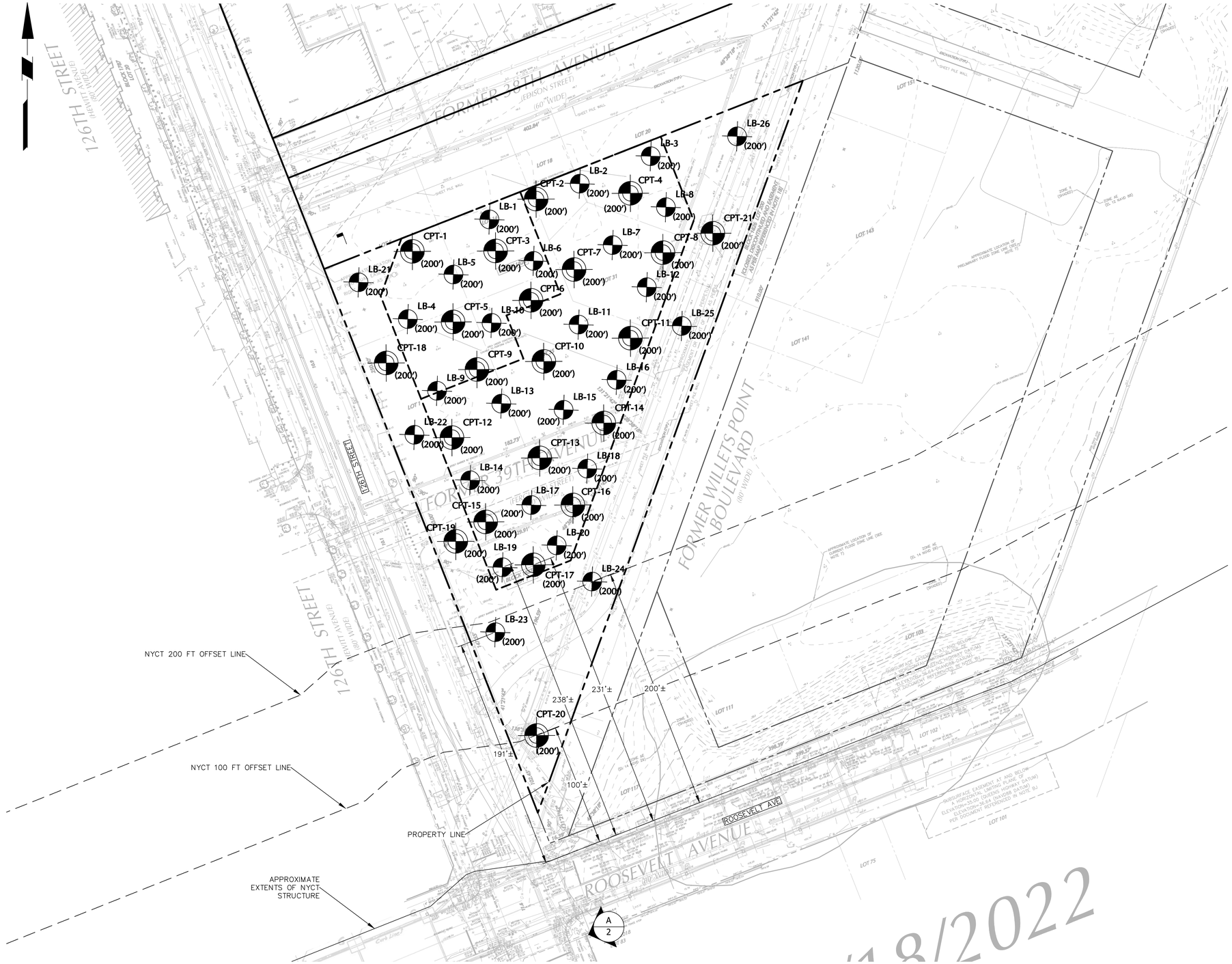
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NOTES:

1. BASE PLAN TAKEN FROM "TOPOGRAPHIC, UTILITY AND BOUNDARY SURVEY" BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, LAST REVISED 18 OCTOBER 2022.
2. ELEVATIONS SHOWN ARE APPROXIMATE AND ARE WITH RESPECT TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. NYCT INFORMATION TAKEN FROM BOARD OF TRANSPORTATION OF THE CITY OF NEW YORK ENGINEERING DEPARTMENT:
   - 3.1. ROUTE NO. 52, SUB–SECTION NO. 2, CONTRACT DRAWING NO. C–4, TYPICAL 3–TRACK STRUCTURE ON ROOSEVELT AVE, SECTION A–A, DATED 15 SEPTEMBER 1923.
   - 3.2. ROUTE NO. 52, SUB–SECTION NO. 2, CONTRACT DRAWING NO. C–2, FOUNDATION IN EARTH, DATED 15 SEPTEMBER 1923.
   - 3.3. ROUTE NO. 52, SUB–SECTION NO. 2, FILE NO.4502, DRAWING NO.8, ROOSEVELT AVE; TRACK STA. 1050+33 TO STA. 1058+08, STRUCTURAL PLANS FOUNDATION, DATED 3 DECEMBER 1923.
4. PRIOR TO THE START OF CONSTRUCTION AND IN CASE OF FIELD EMERGENCY THE CONTRACTORS SHALL CONTACT THE FOLLOWING PEOPLE, AS NEEDED:
   - 4.1. NYCT – LIONEL SAINT LOUIS P.E., ASSISTANT CHIEF OFFICER, INSPECTIONS AND EMERGENCY RESPONSE, MOW ENGINEER, AT 347–672–2448.
   - 4.2. DEP – MICHAEL SULLIVAN, P.E. CHIEF, CONSTRUCTION AND ENGINEERING DEPARTMENT OF ENVIRONMENTAL PROTECTION, NYC, AT 718–595–5620.
5. BORING LOCATIONS ARE APPROXIMATE.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.

Date	Description	No.
Revisions		

STATE OF NEW YORK · JOSEPH PATHAMADU · 085629 · LICENSED PROFESSIONAL ENGINEER

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New York, NY 10001
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Project
PHASE 2 RESIDENTIAL SITES
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
126-10 ROOSEVELT AVENUE SUBSURFACE INVESTIGATION PLAN

Project No.	170197675
Date	01/30/2024
Drawn By	JSB
Checked By	VV

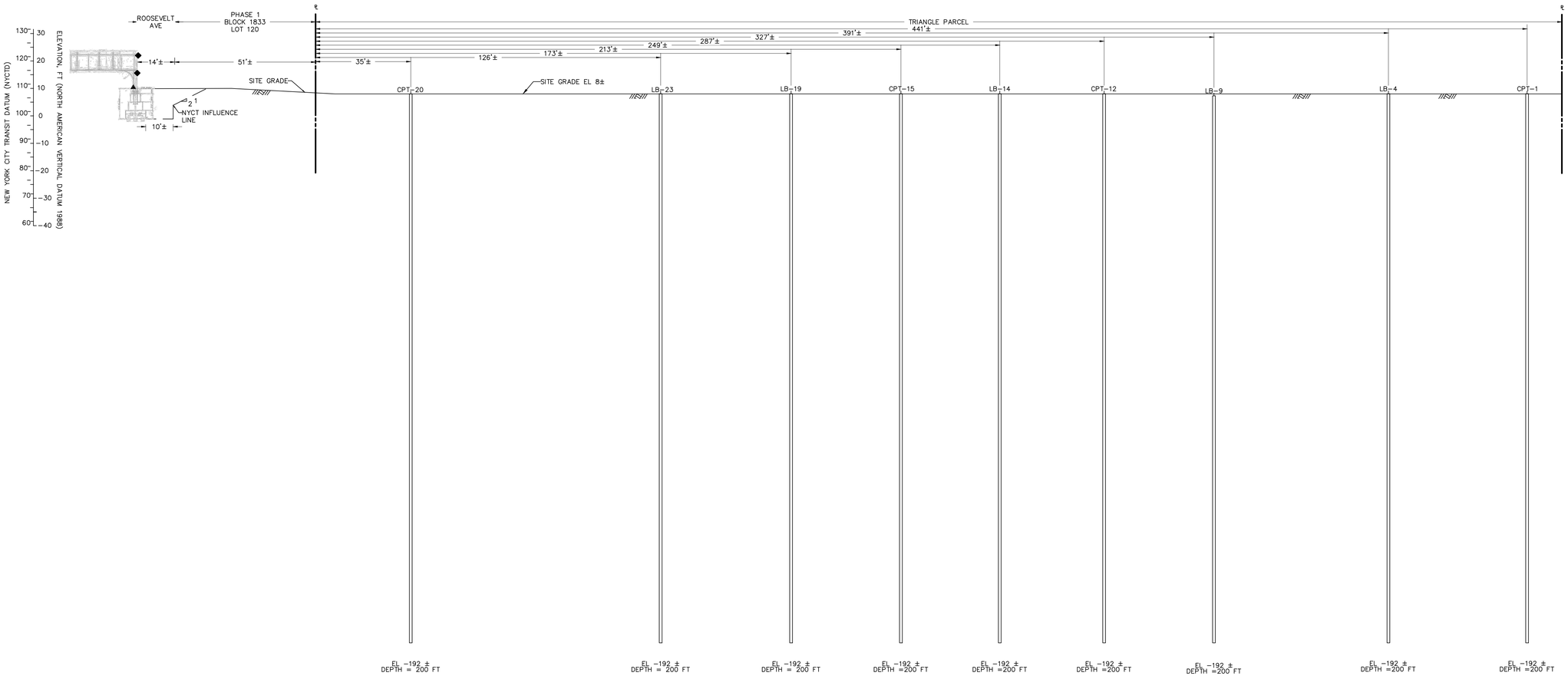
1

Sheet 1 of 2

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Project No. 170197675

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Filename: C:\bms\langan-pw-01\d0492498\FGD5-170197675-0201-BL101-0101.dwg Date: 1/12/2024 Time: 11:42 User: ekyriacou Style Table: Langan.stb Layout: BLP



A/2 SECTION A−A
1" = 20'

SOIL DRILLING AND CPT NOTES AND PROCEDURE:

1. BORINGS WILL BE ADVANCED UNDER FULL−TIME OBSERVATION OF A LANGAN REPRESENTATIVE.
2. BORINGS WILL EXTEND BELOW THE EXISTING GROUND SURFACE TO THE DEPTHS SHOWN ON THE PLAN.
3. STEEL CASING (4−1/2 INCH − O.D) WILL BE USED TO SUPPORT THE SOIL DURING DRILLING. A 2−1/2 INCH DIAMETER SPLIT SPOON SAMPLER WILL BE USED TO OBTAIN SOIL SAMPLES FROM CLASSIFICATION AND LABORATORY TESTING.
4. A 3−7/8 INCH DIAMETER TRICONE ROLLER BIT WILL BE USED TO CLEAN SOIL CUTTINGS OUT OF THE CASING, AND A SAMPLE WILL BE OBTAINED FROM THE SOIL BELOW THE CASING. CONTINUOUS SAMPLING SHALL BE PERFORMED FRO THE FIRST 12FT, AND EVERY 5FT THERE AFTER.
5. IF THE CASING HITS AN OBSTRUCTION (I.E. BOULDERS), A 3 7/8 INCH DIAMETER TRICONE ROLLER BIT WILL BE USED TO DRILL THROUGH THE OBSTRUCTION (AHEAD OF CASING), AND THE CASING WILL BE ADVANCED.
6. UPON COMPLETION, ALL BORINGS WILL BE TREMIE GROUTED. THE CASING WILL BE PULLED OUT OF THE GROUND AS THE BORE HOLE IS GROUTED.
7. ALL CPTS WILL BE PERFORMED USING A TRUCK MOUNTED DRILL RIG.
8. SEISMIC CONE WILL BE ADVANCED BY DIRECT PUSH TO MEASURE SHEAR WAVE VELOCITIES, CONE TIP RESISTANCE, AND SHEAR RESISTANCE. PORE PRESSURE DISSIPATIONS WILL BE PERFORMED AT REGULAR INTERVALS ALONG THE LENGTH OF THE PROBE.

10 0 2 4 10
SCALE IN FEET

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Date	Description	No.
Revisions		

STATE OF NEW YORK · PAPATHANASIOU · 085629 · LICENSED PROFESSIONAL ENGINEER

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Project
PHASE 2 RESIDENTIAL SITES
CORONA
QUEENS COUNTY NEW YORK

Drawing Title
126-10 ROOSEVELT AVENUE - SECTION

Project No.	170197675
Date	01/30/2024
Drawn By	JSB
Checked By	WV

Sheet 2 of 2

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Project No. 170197675

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Filename: C:\bms\langan-pw-01\d0492498\FG05-170197675-0201-BL101-0101.dwg Date: 1/30/2024 Time: 09:48 User: ekyriacou Style Table: Langan.stb Layout: SECTION

PJ Dinardo

From: PJ Dinardo
Sent: Wednesday, August 27, 2025 2:41 PM
To: Zielinski, Leszek (DEC); Zheng, Wendi Y (DEC)
Cc: O'Connell, Jane H (DEC); Obligado, Andre A (DEC); Gerald Nicholls; Elizabeth Burgess; Nicholas Palumbo
Subject: RE: Willets Point Development Triangle Parcel (C241146E) - UST Discovery Notification
Attachments: Soil Analytical Results.xlsx; Groundwater Analytical Results.xlsx; C241146E - UST Soil and Groundwater Sampling Plan.pdf

Hi Wendi,

We received analytical results for the sidewall and base soil samples and the groundwater sample collected from the excavation to remove the nine underground storage tanks (USTs) discovered at Willets Point Development Triangle Parcel site (Brownfield Cleanup Program [BCP] Site No. C241146E). Please see below for a summary and evaluation of the analytical results (attached) and proposed next steps. A figure shoring the former UST and sample locations is also attached for reference.

- Soil Sidewall Samples:
  - No observations of soil staining, odors, or elevated PID readings (maximum of 3.4 ppm detected) during screening were made.
  - Four soil sidewall samples were collected and submitted for analysis of CP-51 volatile organic compounds (VOC) and semivolatile organic compounds (SVOC).
  - The soil analytical results did not detect concentrations of VOCs above CP-51 Soil Cleanup Levels (SCL).
  - Soil analytical results of one soil sidewall sample (EPS502_N_EL_4) detected concentrations of two SVOCs, chrysene and indeno(1,2,3-cd)pyrene, above CP-51 SCLs, indicative of non-native fill quality.
- Soil Base Samples:
  - The excavation base was not observed due to the presence of groundwater.
  - Four excavation base soil samples were collected and submitted for laboratory analysis of CP-51 VOCs and SVOCs. The soil analytical results did not detect concentrations of VOCs above CP-51 SCLs. Soil analytical results of one soil base sample (EPB501_EL_0) detected concentrations of four SVOCs, benzo(a)anthracene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene, above CP-51 SCLs, indicative of non-native fill quality.
- Groundwater Sample:
  - Groundwater present in the excavation was observed with an intermittent sheen but did not have petroleum odor or elevated PID readings. Groundwater exhibiting a sheen was removed by Miller Environmental, an FDNY-certified contractor, via a vacuum truck during tank cleaning activities on 11 August 2025.
  - A groundwater sample was collected from the UST excavation and submitted for laboratory analysis of CP-51 VOCs and SVOCs.
  - Groundwater analytical results detected concentrations of three VOCs, benzene, toluene, and total xylenes, slightly above 6 NYCRR Part 703.5 and the NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (NYSDEC SGVs). SVOCs were not detected in the groundwater sample above NYSDEC SGVs.
- Findings and Conclusions:

- Analytical results of the soil sidewall and base samples are not indicative of a residual contaminant source from the USTs and groundwater sample results do not indicate a need for further remediation.
- The base of the UST excavation extended to elevation (el) 0 referenced to the North American Vertical Datum of 1988 (NAVD88). The proposed site work at the Triangle Parcel site entails excavation to el -0.5 in the area of the former USTs, inclusive of dewatering. Therefore, all soil generated from within the former UST area will be excavated and transported for offsite disposal by October 2025. Dewatering will capture the minimally contaminated groundwater and treat it prior to discharge to NYCDEP infrastructure in accordance with the SPDES and DEP permits.

- Next Steps:
  - Provide the information included herein along with a closure documentation to register and close the USTs with NYSDEC Petroleum Bulk Storage (PBS) Region 2.
  - Document the UST removal activities, analytical data, PBS closure, and disposal records in the Periodic Review Report for the site.

Please let us know if you have any questions or comments.

Best,

PJ DiNardo
Senior Staff Engineer

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From: Zielinski, Leszek (DEC) <leszek.zielinski@dec.ny.gov>
Sent: Thursday, August 14, 2025 9:03 AM
To: Nicholas Palumbo <npalumbo@langan.com>; Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; Gerald Nicholls <gnicholls@Langan.com>; Elizabeth Burgess <eburgess@langan.com>; PJ Dinardo <pdinardo@langan.com>
Subject: RE: Willets Point Development Triangle Parcel (C241146E) - UST Discovery Notification

Nick,

Please email an application and all tank closure documents directly to leszek.zielinski@dec.ny.gov.

Thanks,

Leszek Zielinski
Professional Engineer 2

New York State Department of Environmental Conservation
Division of Environmental Remediation | Region 2
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-6455 | leszek.zielinski@dec.ny.gov
dec.ny.gov | @NYSDEC on Social Media | Podcast

NYSDEC has a new File Transfer System. We no longer accept third-party links. You can send large files to me here: https://mysend.ny.gov:443/nys/send/to/user/leszekzielinskidecnygov

NYSDEC Bulk Storage Information
https://www.dec.ny.gov/chemical/287.html

From: Nicholas Palumbo <npalumbo@langan.com>
Sent: Wednesday, August 13, 2025 5:53 PM
To: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>; Zielinski, Leszek (DEC) <leszek.zielinski@dec.ny.gov>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; gnicholls@langan.com; Elizabeth Burgess <eburgess@langan.com>; PJ Dinardo <pdinardo@langan.com>
Subject: RE: Willets Point Development Triangle Parcel (C241146E) - UST Discovery Notification

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Hi Wendi and Leszek,

The tank pump out, removal, excavation and endpoint sampling were completed today at the Triangle Parcel. There were a total of nine 550-gallon underground storage tanks (USTs) removed. The FDNY-certified tank contractor (Miller Environmental) determined the USTs formerly contained No. 2 fuel oil. Please see below for a summary of work and the attached figure showing tank locations, excavation dimensions, and sample locations.

- Tank Pump-out and Removal: On August 11, 2025, Miller Environmental used a vacuum truck to pump out 8,400 gallons of petroleum-impacted water from the UST structure and disposed it off-site at Clean Water of NY located in Staten Island, New York. On August 12 and 13 the contractor removed nine 550-gallon steel USTs from the excavation. Eight USTs were encased in concrete within a 400 square-foot area from 4 to 9 feet below ground surface (+/- el. 5 to 0). One UST was located at shallower depth and was not encased in concrete. Groundwater was present in the excavation at about 5 feet bgs (+/- el 4).
- Subsurface Observations: Langan inspected soil and groundwater within the excavation area and did not observe indications of a spill condition. Soil from excavation sidewalls was screened with a photoionization detector (PID) at the groundwater interface and soil from the base of the excavation was screened at a depth of 4 feet bgs. There were no observations of soil staining, odors, or elevated PID readings (maximum of 3.4 ppm detected). Groundwater present in the excavation was observed with a sheen but did not have petroleum odor.
- Endpoint Soil Sampling and Groundwater Sampling: The total excavation area measured approximately 428 square feet and 96 feet around the perimeter. Langan collected a total of 8 endpoint soil samples, including 4 sidewall samples from the groundwater interface, 4 excavation base samples, and 1 groundwater sample. The soil and groundwater samples were submitted for laboratory analysis of CP-51 list VOCs and SVOCs.
- Next Steps: Evaluate and provide the sample analytical results to NYSDEC upon receipt. Temporarily backfill the UST excavation, as the area will re-excavated during pile-support platform construction to approximately 9 feet bgs (el. -0.5). Register and close the USTs with NYSDEC Petroleum Bulk Storage

(PBS) Region 2. Document the UST removal activities, analytical data, PBS closure, and disposal records in the Periodic Review Report for the Site.

Please let us know if you have any comments, questions, or take any exceptions.

Sincerely,
Nick

Nick Palumbo
Project Engineer

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From: Nicholas Palumbo
Sent: Friday, August 8, 2025 12:09 PM
To: Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Gerald Nicholls <gnicholls@Langan.com>; Elizabeth Burgess <eburgess@langan.com>; PJ Dinardo <pdinardo@langan.com>
Subject: RE: Willets Point Development Triangle Parcel (C241146E) - UST Discovery Notification

Hi Wendi,

The UST pump out will occur on Monday (8/11). Cleaning, decommissioning, and removal will follow and is anticipated to begin on Wednesday (8/13).

We'll provide an update following tank removal and Langan's inspection/sampling of the subgrade.

Sincerely,
Nick

Nick Palumbo
Project Engineer

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From: Nicholas Palumbo
Sent: Tuesday, July 29, 2025 4:15 PM
To: Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Gerald Nicholls <gnicholls@Langan.com>; Elizabeth Burgess <eburgess@langan.com>; PJ Dinardo <pdinardo@langan.com>
Subject: RE: Willets Point Development Triangle Parcel (C241146E) - UST Discovery Notification

Thanks Andre.

Not encased in concrete from what we can see, it appears to be one uniform steel structure from the surface.

Nick Palumbo
Project Engineer

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From: Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>
Sent: Tuesday, July 29, 2025 4:11 PM
To: Nicholas Palumbo <npalumbo@langan.com>; Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Gerald Nicholls <gnicholls@Langan.com>; Elizabeth Burgess <eburgess@langan.com>; PJ Dinardo <pdinardo@langan.com>
Subject: RE: Willets Point Development Triangle Parcel (C241146E) - UST Discovery Notification

Hi Nick,

Wendi is out for the week and will return Monday. Thanks for the update. I have no objections to the proposed scope of work. Please continue to keep me updated.

Just wondering- are the USTs in cased in concrete?

Thanks,

Sincerely,
Andre Obligado, PG
Section Chief, Region 2, Remedial Section C

New York State Department of Environmental Conservation
Division of Environmental Remediation

47-40 21st Street, Long Island City, NY 11101
w: (718) 482-6412 c: (646) 423-6994 | andre.obligado@dec.ny.gov
dec.ny.gov | @NYSDEC on Social Media | Podcast

From: Nicholas Palumbo <npalumbo@langan.com>
Sent: Tuesday, July 29, 2025 4:03 PM
To: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Cc: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; gnicholls@langan.com; Elizabeth Burgess <eburgess@langan.com>; PJ Dinardo <pdinardo@langan.com>
Subject: Willets Point Development Triangle Parcel (C241146E) - UST Discovery Notification

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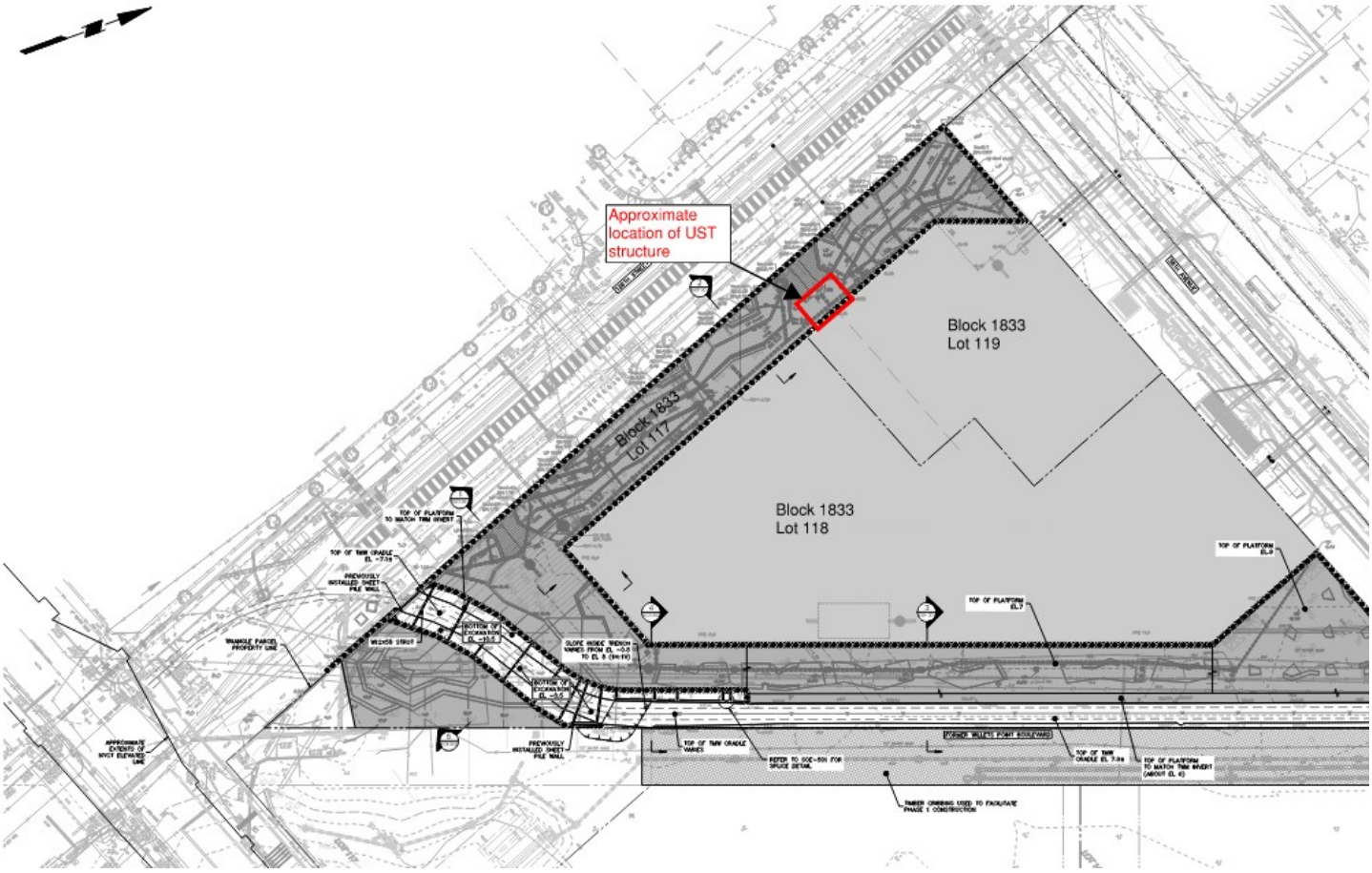
Hi Wendi,

During installation of support of excavation today at the Willets Point Development Triangle Parcel (BCP Site No. C241146E), the contractor encountered an underground storage tank (UST) structure beneath the demarcation layer and about 4.5 feet below grade surface within Block 1833, Lot 117 (see approximate location below and photos attached). The extent of the UST structure is about 20' by 20' and about 4' deep. The top of the UST structure is exposed but as of now it is unclear whether there are separate USTs or one tank with multiple compartments. The UST structure contains liquid with a petroleum-like odor and there is no indication of a release to surrounding soils. Intrusive activities were suspended in the area and the UST structure was covered with polyethylene sheeting.

The following course of action will be implemented per the August 30, 2024 Site Management Plan for the Willets Point Development Triangle Parcel (C241146E) site:

1. Issue Pre-Work Notification for Bulk Storage (PBS or CBS) Tank Installation or Closure for tank(s) under the existing PBS number (2-606213)
2. The contractor is retaining an FDNY-certified tank contractor (Miller Environmental) to properly inert, clean, and decommission the UST(s) under Langan's oversight. A sample will be collected from the tank contents and submitted for fingerprint analysis.
3. After the physical tank removal, the subgrade with be documented, sampled (for appropriate analytes per CP-51 and pending fingerprint analysis results) and, if necessary, petroleum-impacted soil will be removed if indications of a spill are present.
4. Register and close the UST(s) under PBS No. 2-606213

Please let me know if you have any questions or comments on our proposed approach.



Nick Palumbo
Project Engineer

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December 15, 2025

Glenn Goldstein
Richard Browne
QDG 126th Street Partners, LLC
QDG Hotel Partners, LLC
QDG Parking Partners, LLC
QDG Retail Partners, LLC
Queens Development Group, LLC
c/o Related Companies
30 Hudson Yards, 72nd Floor
New York, NY 10001

Re: Willets Point Development Phase 1 Senior Housing
Willets Point Development SCA School
Willets Point Development Triangle Parcel
38-02 126th Lane (a/k/a N/A Willets Point Blvd.), Queens, NY
38-15 126th Lane (a/k/a N/A Willets Point Blvd.), Queens, NY
38-27 126th Street (a/k/a N/A Roosevelt Avenue), Queens, NY
Brownfield Cleanup Program #s C241146B, C241146D & C241146E
B-MW201R, B-MW206, C-MW201, and E-RW105 Groundwater Monitoring Response

Dear Glenn Goldstein and Richard Browne:

The New York State Department of Environmental Conservation (NYSDEC) has reviewed the Quarterly Groundwater Monitoring Report – October 2025 dated December 2, 2025 which was prepared by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. on behalf of QDG 126th Street Partners, LLC, QDG Hotel Partners, LLC, QDG Parking Partners, LLC, QDG Retail Partners, LLC, and Queens Development Group, LLC (collectively "the Volunteer"). The report requests to discontinue future groundwater monitoring for monitoring well ID Nos. B-MW201R, B-MW206, C-MW201, and E-RW105. Based on NYSDEC's review of the report, as well as the data obtained during previous groundwater monitoring events, the request to discontinue groundwater monitoring at monitoring well ID Nos. B-MW201R, B-MW206 and E-RW105 is approved.

The request to discontinue groundwater monitoring at monitoring well ID No. C-MW201 is not approved. NYSDEC has determined that this monitoring well has not achieved asymptotic decreased in petroleum related contaminants and is in the downgradient of

the treatment areas of the Willets Point Development SCA School (Site No. C241146D) and Willets Point Development L-Parcel (Site No. C241146H) BCP Sites.

In accordance with the approved Remedial Action Work Plans (RAWPs) dated March 2021 and June 2022, groundwater monitoring well ID Nos. B-MW201R, B-MW206 and E-RW105 must be properly decommissioned in accordance with NYSDEC CP-43: Groundwater Monitoring Well Decommissioning Policy.

Please ensure that a copy of this letter and all the groundwater monitoring reports are placed in the document repositories.

Should you have any questions regarding this letter or any other aspect of the project, please contact me at 718-482-7541 or wendi.zheng@dec.ny.gov.

Sincerely,
Wendi Zheng
Wendi Zheng
Project Manager

ec: J. O'Connell, A. Obligado, J. Andaloro – NYSDEC
S. McLaughlin, H. Hood – NYSDOH
M. Chertok, C. Leas – SPR
J. Hayes, G. Nichols, E. Burgess – Langan

APPENDIX F

PHOTOGRAPHIC DOCUMENTATION LOG



Photo 1: View of soil mix wall installation in the northwestern part of the site, facing northwest (6/27/2025)



Photo 2: View of Triumph installing soil mix wall columns in the northwestern part of the site, facing west (7/7/2025)



Photo 3: View of uncovered underground storage tank (UST) structure in the northwestern part of the site, facing down (7/29/2025)



Photo 4: View of Miller Environmental sampling UST contents in the northwestern part of the site, facing down (7/30/2025)



Photo 5: View of Triumph installing drilled displacement piles in the northwestern part of the site, facing west (8/5/2025)



Photo 6: View of Triumph installing soil mix wall columns in the northeastern part of the site, facing southeast (8/6/2025)



Photo 7: View of Triumph removing UST structure in the northwestern part of the site, facing southwest (8/12/2025)



Photo 8: View of Triumph removing USTs from concrete structure in the northwestern part of the site, facing northwest (8/13/2025)



Photo 9: View of cleaned UST in the northwestern part of the site, facing down (8/15/2025)



Photo 10: View of Triumph loading soil/fill for export in the southern part of the site, facing east (8/22/2025)

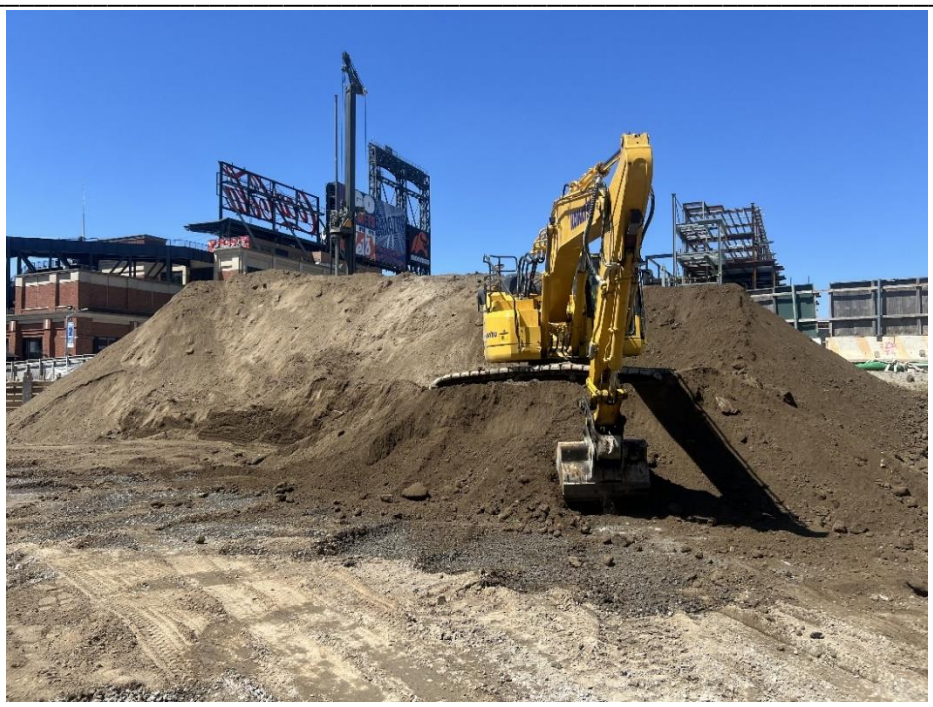


Photo 11: View of Triumph stockpiling imported clean fill in the northern part of the site, facing west (8/22/2025)



Photo 12: View of Triumph excavating soil in the southwestern part of the site, facing southeast (9/2/2025)



Photo 13: View of Triumph installing drilled displacement piles in the eastern part of the site, facing southeast (9/3/2025)



Photo 14: View of Triumph importing clean fill to the northern part of the site, facing southwest (9/15/2025)



Photo 15: View of Triumph installing drilled displacement pile in the eastern part of the site, facing east (9/18/2025)



Photo 16: View soil export in the southern part of the site, facing south (9/22/2025)



Photo 17: View of Triumph excavating soil and loading soil for export in the southeastern part of the site, facing east (10/1/2025)



Photo 18: View of rebar installed in the southwestern part of the site, facing east (10/2/2025)



Photo 19: View of Triumph excavating soil and loading soil for export in the southeastern part of the site, facing west (10/6/2025)



Photo 20: View of Triumph excavating soil in the southeastern part of the site, facing northeast (10/10/2025)



Photo 21: View of Triumph pouring concrete in the northeastern part of site, facing northeast (10/15/2025)

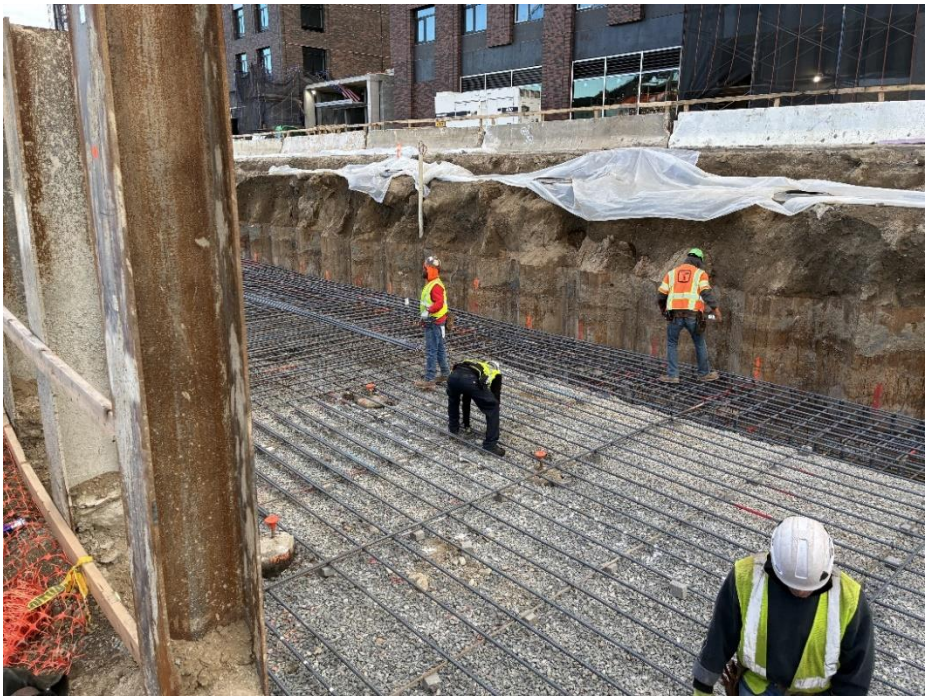


Photo 22: View of Triumph installing rebar in the northeastern part of the site, facing northeast (10/16/2025)

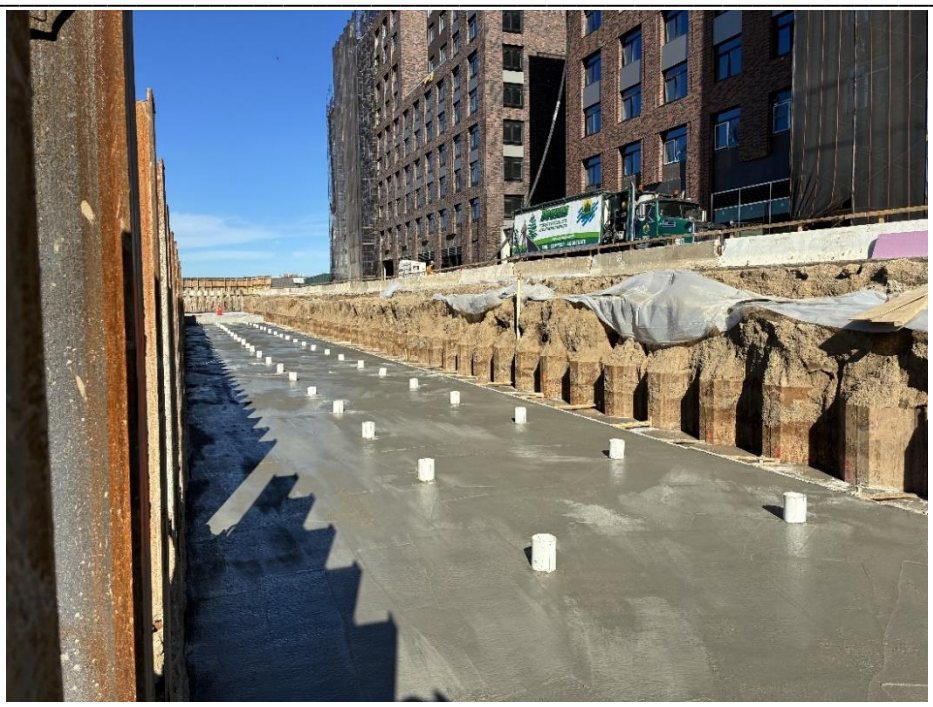


Photo 23: View of concrete poured in the northeastern part of the site, facing northeast (10/17/2025)



Photo 24: View of the concrete slab in the northeastern part of the site, facing west (10/17/2025)



Photo 25: View of Triumph backfilling with imported clean fill in the southwestern part of the site, facing west (11/3/2025)



Photo 26: View of Triumph backfilling with imported clean fill in the southeastern part of the site, facing east (11/11/2025)

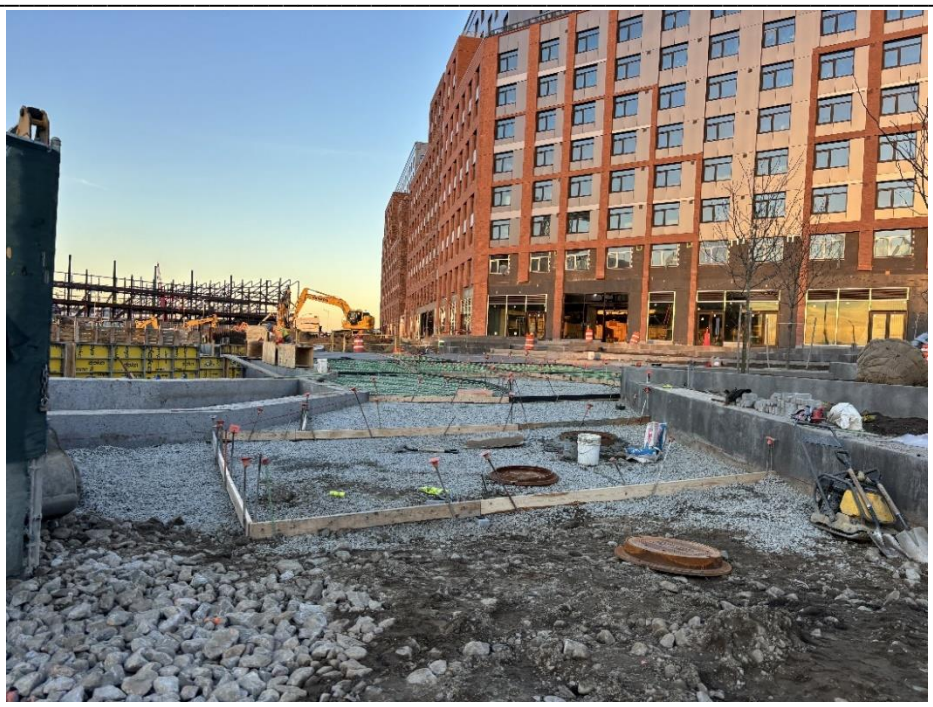


Photo 27: View of hardscape in the southwestern part of the site, facing northeast (11/20/2025)

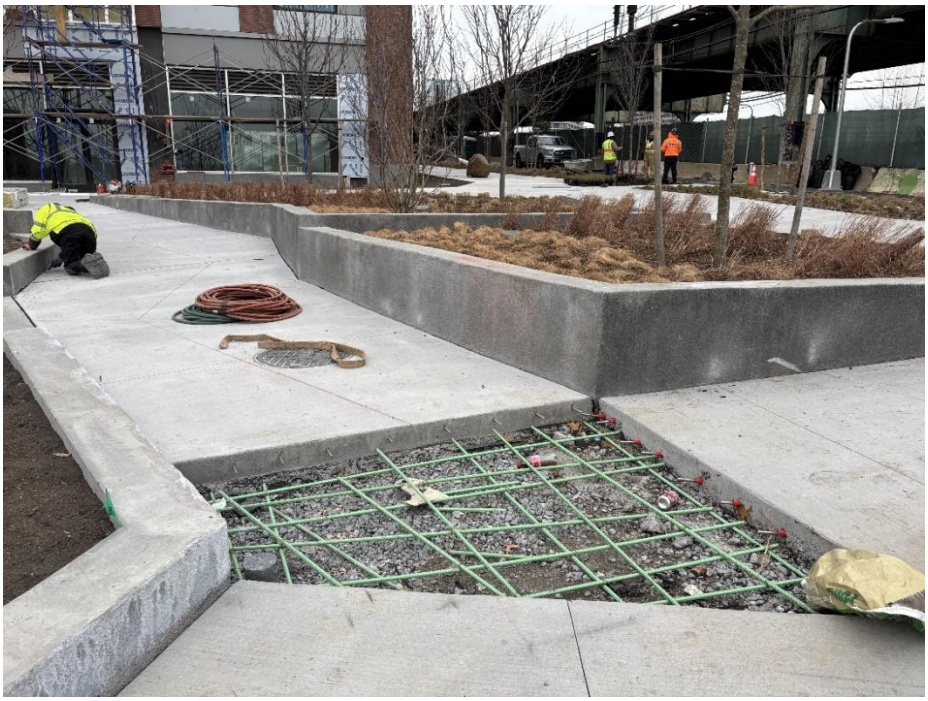


Photo 28: View of hardscape constructed in the southwestern part of the site, facing east (12/10/2025)



Photo 29: View of the R-tank installation in the southwestern part of the site, facing east (12/10/2025)



Photo 30: View of the R-tank installation in the southwestern part of the site, facing east (12/12/2025)



Photo 31: View of Triumph excavating in the northwestern part of the site, facing northeast (01/06/2026)



Photo 32: View of landscape installation in the southern part of the site, facing north (01/08/2026)