PERIODIC REVIEW REPORT AND ANNUAL CERTIFICATION

SITE 7 FOR APRIL 27, 2021 – APRIL 27, 2022
DESTINY USA
SYRACUSE, NEW YORK

NYSDEC BCP SITE #C734135-06-28

Prepared for:
New York State Department of Environmental Conservation
Region 7
615 Erie Boulevard West
Syracuse, New York 13204-2400

Prepared by:
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19 British American Boulevard
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On behalf of:
Destiny USA Real Estate, LLC
Destiny USA Land Company, LLC
Syracuse, New York

Submitted: May 2022
Project No: 21-04388-001

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1.0 INTRODUCTION AND DESCRIPTION OF REMEDIAL PROGRAM

1.1 INTRODUCTION

The Periodic Review Report (PRR) and Certification are required as an element of the remedial program for New York State Department of Environmental Conservation (NYSDEC) Site Number C734135-06-28, (hereinafter referred to as the "Site 7") pursuant to the Brownfield Cleanup Agreement (execution date June 28, 2005; revised on March 28, 2017 via Amendment) under the New York State (NYS) Brownfield Cleanup Program (BCP) administered by NYSDEC. A Certificate of Completion (COC) was signed on December 27, 2017. The preliminary PRR was submitted in May, 2019. This is the fourth PRR, covering the period April 27, 2021 to April 27, 2022.

1.1.1 General

Destiny USA Land Company, LLC and Destiny USA Real Estate, LLC (Destiny), as the Remedial Party, have remediated a 22.8-acre property located in Onondaga County, Syracuse, New York to address subsurface soil, groundwater and vapor contamination present within the site boundaries. The location and boundaries of the site subject to this report are provided in Figures 1 and 2.

The Remedial Work Plan for Site 7 was approved by NYSDEC in correspondence dated May 19, 2017. The remedial work included source removal of approximately 4,170 tons of contaminated soil. A Site Management Plan (SMP, November 2017) was prepared to manage the residual material at the site. The SMP was approved by NYSDEC in correspondence dated December 6, 2017. All BCP reports associated with the site can be viewed by contacting the NYSDEC or the public document repository (Robert P. Kinchen Public Library, Syracuse, NY).

1.1.2 Purpose

This report is the fourth Periodic Review and Certification Report for the Destiny USA Site 7. The Periodic Review and Certification Report have been prepared by JMT of New York, Inc. (JMT) on behalf of Destiny. The report was prepared pursuant to Section 6.0 "Reporting Requirements" presented in the SMP dated November 2017 and addresses the operation and maintenance of the

Institutional Controls (ICs) and Engineering Controls (ECs) that are in place for Site 7. As-built drawings are included in Appendix A. There have been no changes to the controls during the current period.

A Periodic Review Report is also required to be submitted to the Department in accordance with BCA regulatory reporting requirements. This certification and periodic review shall be submitted annually (or an alternate period of time that NYSDEC may allow) and will be made by an expert that the NYSDEC finds acceptable.

Information contained in this report includes the following:

- Identification, assessment and certification of all ECs/ICs required by the remedy for the site;
- Results of the required annual site inspections and severe-condition inspections, if applicable;
- All applicable inspection forms and other records generated for the site during the reporting period in electronic format (Appendix B and C);
- A summary of monitoring data and/or information generated during the reporting period with conclusions.

This periodic site evaluation also assesses the following:

- The compliance of the remedy with the requirements of the site-specific RAWP, ROD or Decision Document;
- The operation and the effectiveness of all treatment units, etc., including identification of any needed repairs or modifications;
- Any new conclusions or observations regarding site contamination based on inspections or data generated by the Monitoring Plan for the media being monitored;
- Recommendations regarding any necessary changes to the remedy and/or Monitoring Plan;
- The overall performance and effectiveness of the remedy; and

- Any observations, conclusions, or recommendations.

Per the SMP; the site owner or remedial party must submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. The EC/IC certification form is attached in Appendix D.

2.0 GENERAL SITE DESCRIPTION

The site is located in the County of Onondaga, New York and consists of three parcels on Block 02 and Lots 01.0, 08.1, 07.0 on the City of Syracuse 2016 Tax Map #s 116.00-02-01.0, 116.00-02-08.1, and 116.00-02-07.0. In addition to these parcels, real property (not provided a Tax Map #) located on part of the street known as Old Hiawatha Boulevard in the City of Syracuse is also included as a portion of the Site. The site is situated on an approximately 22.8-acre area bounded by Hiawatha Boulevard West to the northwest, Solar Street to the southwest, Interstate-81 to the northeast, and parcel 116.00-02-04.3 before reaching Bear Street to the southeast (see Figures 1 and 2). Land uses surrounding the Destiny site consists generally of business districts and mixed residential property to the north and east. Vacant land abuts the property to the south-southeast. The Onondaga County Metropolitan Sewage Treatment Plant is located across the Barge Canal to the south-southwest.

3.0 DESCRIPTION OF SELECTED REMEDY

The site was remediated in accordance with the remedy selected by the NYSDEC in §4.2 of the RWP dated August 2016 (Revised November 2016, December 2016, and April 2017). The selected remedy for the site was Alternative 2 – In-Situ Treatment of the Areas of Concern, installation of a Subslab Vapor Control System (SVCS) beneath the hotel footprint, and implementation of a site cover system.

The following are the components of the selected remedy:

1. Excavation and removal of soil/fill exceeding SCOs listed in Table 1 and 100 parts per million (ppm) as detected with a Photoionization Detector (PID) in areas of ground disturbance related to construction activities, as approved by NYSDEC;

2. Construction and maintenance of a soil cover system across the Site consisting of either paved surface parking lots, concrete walkways/foundation, or a soil demarcation layer at one foot below ground surface topped with approved soil to prevent human exposure to remaining contaminated soil/fill remaining at the Site;

3. The existing drainage swales will remain fenced-in until the owner provides a plan for a change or alternate use. Any modifications to the existing swales must be approved in advance by the NYSDEC;

4. In-Situ Chemical Oxidation (ISCO) treatment in the defined areas of concern (AOCs) with subsurface injections of Provect-Ox® and a goal of achieving a reduction in contaminant (VOCs/SVOCs) concentrations as measured in associated groundwater observation wells;

5. Installation of a Subslab Vapor Control System (SVCS) below the hotel footprint as an Engineering Control (EC) to mitigate the potential exposure to subsurface vapors;

6. Execution and recording of an Environmental Easement as an Institutional Control (IC) to restrict land use and prevent future potential exposure to any contamination remaining at the Site. This includes a restriction prohibiting use of groundwater as follows:

   "The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Onondaga County Department of Health to render it safe for use as drinking water or for industrial purposes."

7. Development and implementation of a Site Management Plan (SMP) for long-term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting;

8. Periodic certification of the institutional and engineering controls listed above.

The selected remedy was chosen because it met the criteria established in the BCP program, including the protection of public health and the environment (including groundwater, drinking water, surface water, air, indoor air and sensitive populations) and was consistent with remedies approved and implemented at other NYSDEC-approved BCP sites with similar contamination and site use. The selected remedy includes both institutional and engineering controls, which are described below. The selected remedy is appropriately protective to allow the site to be used for commercial or industrial purposes.

3.1 ENGINEERING CONTROLS

Since remaining contaminated soil, groundwater, and soil vapor exists beneath the site, Engineering Controls are required to protect human health and the environment. The site has the following primary Engineering Controls, as described in the subsections below.

3.1.1 Soil Cover and Cap Systems

Exposure to remaining contamination in soil/fill at the site is prevented by a soil cover system or capping system placed over the site. This cover system is comprised of a minimum of 12 inches of clean soil, asphalt pavement, concrete-covered sidewalks, and concrete building slabs. The location and physical details of each system at the site is described below.

Typical Soil Cover

Per §4.1 (f) of DER-10 guidance, 12 inches of soil is required to cover the site where the exposed surface soil exceeds commercial land-use SCOs for protection of human health. In addition to 12 inches of soil, a demarcation layer located between the approved imported topsoil, meeting at least commercial land-use SCOs, and the pre-existing soil was applied. Typical soil cover is used in all landscaped areas of the site.

Typical Asphalt Cover

The typical asphalt cover is comprised of approximately 18 inches of crusher run gravel over pre-existing soil, followed by a two to four-inch-thick asphalt cap. Most of the site is covered by asphalt pavement serving as roads or parking lots.

Typical Concrete Cover

In addition to landscaped and asphalt paved areas, a small portion of the site is equipped with concrete walkways. Like the typical asphalt cover, up to 18 inches of crusher run gravel was placed over pre-existing soil, followed by approximately six inches of concrete. Sidewalks exist primarily around the hotel footprint and along Old Hiawatha Boulevard up to the intersection of Solar Street and West Hiawatha Boulevard.

Concrete Slab Cover

The floor of the hotel is a concrete slab which overlays the SVCS. The slab serves as a cover and cap system across the footprint of the primary excavation. Procedures for monitoring, operating and maintaining the site cover system are provided in the Operation and Maintenance Plan in Section 4 of the SMP.

3.1.2 Subslab Vapor Control System

The objective of the SVCS is to prevent potentially contaminated vapors from entering any occupied space within the hotel by diffusion from below the building. The SVCS consists of a system designed to prevent movement of vapor between the soil below the building and the occupied space within the building. It features two layers of impermeable membrane with a pressurized air gap between the layers, underneath a continuous concrete floor. The combination provides both a solid physical barrier to vapor movement, and a pressure gradient that inhibits vapor diffusion across the air gap. Vapor molecules move to areas of lower pressure by diffusion through the action of a pressure gradient. The SVCS incorporates an air gap between impermeable layers under the concrete floor slab. The air gap is maintained under positive pressure (above atmospheric pressure) by regenerative blowers. Performance testing and certification demonstrated that the blowers maintain the required positive pressure. The pumps are monitored and maintained year-round. Potential subsurface contaminant vapors cannot diffuse across a high-pressure zone from a source having a lower pressure.

The vapor barrier is integrated into the building floor and foundation system. This includes an elastomeric membrane (Carlisle Barricoat) sprayed onto a non-woven fabric placed over the soil surface below the building footprint. Above the Barricoat layer, a layer Mirafi G100N (a dimpled HDPE, 0.4-inches thick) provides the empty air gap. Above the Mirafi, a second impermeable

membrane consisting of 10-mil thick Raven VaporBlock with tape-sealed seams, encloses the pressurized gap. Finally, a 9-inch concrete floor was poured over the vapor barrier. Construction details are presented in the SMP along with design drawings, and the Vapor System Layout attached to this report (Appendix A).

The Mirafi G100N establishes an air gap between the spray-on non-woven fabric and the plastic sheet membrane. The air in this gap is maintained under positive pressure supplied by regenerative blowers connected to a control manifold and a network of a flexible (PEX) pipe. The higher air pressure maintained between the subsurface soil and the building's occupied space prevents diffusion of subsurface vapor into the occupied space within the building. These features are shown on the project plans, included in Appendix L of the Final Engineering Report (FER, December 2017).

The SVCS is divided into two separately controlled areas (Area A and Area B), each having a dedicated air supply manifold and blower. Area A has 5 parallel pressure zones and is equipped with a 5-horsepower Rotron 757 regenerative blower. Area B has six parallel pressure zones and is equipped with a 5-horsepower Rotron 656 blower. Both are connected to the building electrical power system, on an emergency backup power circuit.

System commissioning testing was conducted in August and September, 2017. Results were included in the FER. Procedures for monitoring, operating and maintaining the system are provided in the Operation and Maintenance Plan in Section 4 of the SMP.

3.1.3 Indoor Air Monitoring

To confirm proper functioning of the SVCS engineering control system, an indoor air monitoring program was conducted. The indoor air sampling plan was submitted to NYSDEC and NYSDOH, and an approval letter from NYSDEC was received on August 10, 2017. In accordance with the approved plan, indoor air sampling on the first level of the facility has been conducted twice, once during the cooling season and once during the heating season. The cooling season air sampling event was conducted overnight from August 31 to September 1, 2017. The results of the cooling season indoor air monitoring effort were submitted as a report to NYSDEC and NYSDOH on October 1, 2017, for review, and resubmitted in December 2017 with revisions addressing agency comments. A letter was received from NYSDEC on January 2, 2018, finding that the report was

satisfactory. The heating season sampling event took place on March 17, 2019. A report of the heating season indoor air sampling effort was submitted to NYSDEC and NYSDOH on April 19, 2019. The results of the sampling were summarized in the 2019 PRR. In correspondence from dated June 12, 2019, the Department acknowledged the results of the second round of indoor air sampling and indicated that no further action is required other than continued operation of the EC/ICs to ensure protection of building occupants from exposure to soil vapor. The results of the indoor air monitoring are summarized in Section 3.3.1 below.

3.1.4 In-Situ Chemical Oxidation

Selection of in-situ chemical oxidation (ISCO) as preferred remedy for residual soil and groundwater contamination, and the monitoring program to document progress of remediation, were presented in the Remedial Work Plan (RWP, August 2016, last revision April 2017). The RWP was approved by DEC in correspondence dated May 19, 2017. A full discussion of the completed ISCO process was presented in the FER.

The selected ISCO methodology utilized a solution of activated persulfate as the oxidizer. Activated persulfate is a solution that oxidizes petroleum hydrocarbons (VOCs and SVOCs) in both saturated soil and groundwater. The product produces a controlled release of oxygen for up to 12 months after injection into the contaminated subsurface. JMT oversaw the injection of the ISCO solution, performed by NYEG Drilling, LLC. NYEG used a Geoprobe direct push drill rig set up for injection services. The ISCO product was combined with water in totes to make an injectable solution. The Geoprobe tooling was installed to a depth determined based on contaminant levels identified in the remedial investigation and sampling. Once at its target depth, the solution was pressure pumped out of the tote and through the Geoprobe tooling into the contamination zone. The solution was injected at 2-foot intervals at depths ranging from 4-12 feet below ground surface. The process continued until the solution was injected over the desired vertical extent of each injection point. Approximately 110 injection points were completed within three areas of concern.

Baseline sampling of five monitoring wells surrounding the area of concern (AOC) was conducted prior to the ISCO injection, in May 2017. ISCO injections began immediately following the baseline sampling and continued over the following two weeks. Post-injection sampling was

conducted in August and October 2017. The results of the baseline and subsequent sampling are summarized in Section 3.3.2 below.

3.2 INSTITUTIONAL CONTROLS

The selected remedy also includes institutional controls for Site 7. The institutional controls provide the necessary non-physical protections and provide notice to properly limit potential human or environmental exposure to contaminants.

The institutional controls for the site include establishment of an environmental easement that requires:

a. Compliance by the Grantor and the Grantor's successors and assigns with all elements of the NYSDEC-approved Site Management Plan/Operation, Maintenance and Monitoring Plan (which outlines the required activities, such as, inspection, monitoring, certification, operation, maintenance and repair);

b. An impervious cap covering the soils beneath the site as illustrated on the As Built Engineering Design Plans, must be inspected, certified and maintained as required in the NYSDEC-approved Site Management Plan;

c. A soil vapor mitigation system (consisting of a vapor barrier under the building structure and a vapor control system, as illustrated on the As-Built Drawings) must be inspected, monitored, certified, operated and maintained as required in the NYSDEC-approved Site Management Plan;

d. Prohibition of groundwater use for potable or non-potable uses is prohibited on the site without first undergoing a NYSDEC and/or NYSDOH approved treatment;

e. That all proposed ground-intrusive activities on the site be conducted in accordance with the NYSDEC-approved Site Management Plan; and

f. A prohibition on any vegetable gardens on the surface of the site as per Part 375-1.8(g)(2)(ii).

The environmental easement for the site was executed by the Department on June 7, 2017 and filed with the Onondaga County Clerk on June 21, 2017. An Amendment to the Environmental

Easement was submitted on August 7, 2017, accepted on August 16, 2017, and recorded on August 25, 2017. The County Recording Identifier number for this filing is 0250361300009. Institutional Controls identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

Site restrictions that apply to the Site 7 are:

- The property may not be used for a higher level of use, such as restricted residential, without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;
- Ensure appropriate future use and that future property owners are aware of the existing conditions on the site;
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- Include required notifications prior to commencement of any ground-intrusive activities that may encounter contaminated materials. Notification of NYSDEC and any on-site workers will be required prior to excavating soil;
- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;
- Include notice of and information relating to a soil management plan, identifying requirements in the event of excavation, which will be included as part of the operations and maintenance monitoring plan (OM&M).

3.3 SUMMARY OF REMEDIATION MONITORING

3.3.1 Indoor Air Monitoring

Two indoor air sampling events were conducted after commissioning of the SVCS, one in September 2017 and the other in March 2019, collecting data from 15 sampling locations. The sampling was performed in accordance with the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006. The sampling methods and results were fully described in reports submitted to NYSDEC

and NYSDOH in December 2018 and April 2019, respectively, as required by the Site Management Plan. The second-round indoor air quality report (April 2019) containing tabulated results and laboratory reports for the March 2019 monitoring event was submitted with the Periodic Review Report for the 2019 period.

The Department issued a letter to the owner on June 12, 2019 indicating that no further monitoring is necessary.

3.3.2 Groundwater Monitoring

Upon completion of in-situ chemical oxidation, quarterly sampling began in the first quarter of the 2018 calendar year. Quarterly sampling reports were submitted to NYSDEC for sampling events conducted on March 29, 2018; June 26, 2018; September 28, 2018 and December 19, 2018. Based on the results and trends reported in the December 2018 quarterly sampling report (January 31, 2019), DEC eliminated SVOC and metals from the groundwater monitoring program and reduced frequency to annual monitoring (letter to owner March 7, 2019).

Annul groundwater monitoring was conducted in December 2019. Results were submitted to DEC in January 2020. Annual groundwater monitoring was conducted in December 2020. Based on the results and trends reported in the 2020 Annual Groundwater Sampling Report (February 17, 2021), DEC eliminated some wells from the monitoring programs and reduced the frequency to bi-annual monitoring (letter to owner February 18, 2021). The next groundwater sampling event will be conducted in December 2022.

4.0 SUMMARY OF COMPLETED 2021-2022 SITE ACTIVITIES AND MONITORING

4.1 SITE INSPECTIONS AND SEVERE CONDITION INSPECTIONS

Routine inspections of all remedial components installed at the site have been occurring in accordance with the SMP since construction was completed. During routine inspections, the gauge readings for each air supply zone and overall manifold flow rate are recorded.

The engineer of record inspected the engineering controls on April 13, 2022. Vapor control system components inspected include the following:

- regenerative blowers,
- pressure gauges,
- flow meters,
- zone valves, and
- manifold piping.

All equipment was in order and functioning properly. The site cover and cap are intact. No conditions were observed that require corrective measures.

Monitoring logs kept for the SVCS during this reporting period are attached as Appendix B. Inspection forms and other records for the soil cover and cap are attached as Appendix C.

In order to satisfy additional requirements requested by NYSDEC in the Conditional Approval Letter dated July 23, 2021, pressures at the end of each zone furthest from Manifold A & B were measured to confirm that the SVCS is maintaining positive pressure. Measurements were made with an Infiltec Digital Micro-Manometer Model DM1. The results are presented below:

Embassy Suites Vapor Control System Inspection Test
Area A: Test Port

Monitoring Furthest Individual Test Port Pressures Under Simultaneous Pressurization Conditions
Pressure in in-H_2O Gauge (IWG)

Zone	Solar Street (West Side) Monitoring Point	Pressure (IWG)
A	A2	0.017
A	A3	0.012
B	B2	0.031
C	C2	0.080
D	D2	0.003
E	E2	0.004
E	E3	0.050

Area B: Test Port
Monitoring Furthest Individual Test Port Pressures Under Simultaneous Pressurization Conditions
Pressure in in-H_2O Gauge (IWG)

Zone	Solar Street (West Side) Monitoring Point	Pressure (IWG)
F	F2	0.060
G1	G1-2	0.035
G2	G2-2	0.031
H1	H1-2	0.055
H2	H2-2	0.010
I	I-2	0.090

The pressures at the end of zones furthest from Manifolds A & B registered positive pressure above atmospheric. This demonstrates that positive pressure is being maintained by the SVCS as intended by the design.

4.2 COMPLETED SITE MAINTENANCE ACTIVITIES AND SYSTEM MODIFICATIONS

The regenerative blower units (pumps) are equipped with sealed bearings that require no maintenance. The pumps have operated normally during the current PRR period.

No other modifications were made to the engineering control system.

5.0 IDENTIFICATION, ASSESSMENT, AND CERTIFICATION OF ALL ECS/ICS

5.1 REMEDY COMPLIANCE

Compliance is established by application of the engineering and institutional controls described in the Site Management Plan. The engineering controls must be inspected, monitored, certified, operated and maintained. Institutional controls put restrictions on certain current site activities and future site use and management.

5.1.1 Engineering Controls

Engineering controls to prevent exposure to residual soil vapor contamination consists of two layers of impermeable membrane with a pressurized air gap between the layers, underneath a continuous concrete floor. The combination provides both a solid physical barrier to vapor movement, and a pressure gradient that inhibits diffusion. The air gap is maintained under positive pressure (above atmospheric pressure) by regenerative blowers. The pressure and flow in the SVCS system manifolds have been monitored in accordance with schedule in the SMP. The monitoring logs are presented in Appendix B. The monitoring records indicate that proper pressure and flow were maintained during this reporting period.

There are no operational or maintenance activities associated with the impermeable membranes or the air gap. Maintenance of the two regenerative blowers are performed at the manufacturer's recommended intervals, in accordance with the SMP. No pump maintenance was required during the reporting period. The pump air filters have been cleaned monthlyThere have been no service issues with the pumps during the current reporting period.

Site soil cover and cap monitoring has been conducted monthly in accordance with the SMP. Monitoring logs are provided in Appendix C. Areas where landscaping activity took place have been restored in accordance with the SMP. The soil cover and cap are providing protection as contemplated by the remedial design.

5.1.2 Institutional Controls

The environmental easement provisions which have been proposed have been implemented as follows:

- The current owner is implementing all elements of the Site Management Plan/Operation, Maintenance and Monitoring Plan;
- The vapor control system has been constructed in accordance with engineering specifications and is being operated, monitored, maintained, in accordance with the Site Management Plan;wea
- Groundwater is not being used for potable or non-potable uses at the site;
- Ground-intrusive activities on the site did not occur during the current reporting period. Activity in prior reporting periods has been conducted in accordance with the Site Management Plan with the required notifications to NYSDEC and on-site workers prior to commencement of the activities;
- There are no vegetable gardens on the surface of the site;
- The use of the property, as a hotel, has not changed; and
- The property remains under the control of the owner of record, therefore restrictions on future use by future owners are not applicable for this reporting period.

5.2 SYSTEM EFFECTIVENESS

Indoor air quality sampling following system commissioning demonstrated that the SVCS is effectively preventing vapor intrusion into the occupied space. Pressure monitoring during the current reporting period indicates that the vapor control system continues to function as intended.

5.3 OBSERVATIONS AND CONCLUSION

The vapor control system has operated reliably over the course of this reporting period. Monitoring and maintenance of the pumps provides assurance that the system is operating effectively. As of

this report date, the vapor control system is fully operational. Future reports will be prepared as required by regulation and/or agreement.

5.4 RECOMMENDATIONS

The operation, maintenance and monitoring routines for the vapor control system and soil cover and cap should be continued unchanged. Any future interior renovations or improvements that could potentially compromise the integrity of the vapor barrier, or site work that disturbs soil cover and cap should be conducted in accordance with the SMP.

5.5 REMEDY EFFECTIVENESS

The performance and effectiveness of the remedy is consistent with the objectives of the remedial work plans, the record of decision, and the provisions of the Site Management Plan. The engineering and institutional controls have provided adequate protection of public health during this reporting period. No additional modification of the controls, including the operation, maintenance, inspection and monitoring procedures currently in place, are needed at this time to provide continued future protection of public health.

6.0 ANNUAL CERTIFICATION

The Institutional and Engineering Control Certification Form has been completed, signed and sealed, and is located in Appendix D.

FIGURES

SITE 7

LEGEND

SITE 7/ ENVIRONMENTAL EASEMENT BOUNDARY

NO.	DATE	RECORD OF WORK	DRN	CKD
1	5/21/16	Update title block	JCK	PA

PROJECT	
PROJ. MGR:	PA
PROJ. NO.:	18-00996
PREPARED BY:	JCK
DRAFTED BY:	JCK
CHECKED BY:	
APPROVED BY:	PA
DATUM:	
CONTOUR INTERVAL =	FEET

0 NTS

SITE 7

Project Site Map

EMBASSY SUITES

CITY OF SYRACUSE ONONDAGA CO., NY

JMT
19 British American Blvd.,Latham, New York 12110
P: (518) 782-0882 F: (518) 782-0973 www.jmt.com

DATE: 6/7/16 | SCALE:NOT TO SCALE | DWG. NO. 18-00996 | FIGURE: 1

LEGEND

SITE 7/ENVIRONMENTAL EASEMENT BOUNDARY

TAX PARCEL BOUNDARY

NO.	DATE	RECORD OF WORK	DRN	CKD
1	5/21/16	Update title block	JCK	PA

PROJECT	
PROJ. MGR:	PA
PROJ. NO.:	18-00996
PREPARED BY:	JCK
DRAFTED BY:	JCK
CHECKED BY:	
APPROVED BY:	PA
DATUM:	
CONTOUR INTERVAL =	FEET

0 75 150 300

1"=150'

SITE 7

Finer Scale Site Map

EMBASSY SUITES

CITY OF SYRACUSE ONONDAGA CO., NY

19 British American Blvd.,Latham, New York 12110
P: (518) 782-0882 F: (518) 782-0973 www.jmt.com

DATE:	SCALE:	DWG. NO.	FIGURE:
9/22/17	1"=150'	15209J	2

APPENDIX A

ENGINEERING CONTROLS AS-BUILT DRAWINGS

NO.	DATE	RECORD OF WORK	DRN	CKD

PROJECT	
PROJ. MGR:	FRP
PROJ. NO.:	15209
PREPARED BY:	KAO
DRAFTED BY:	KAO
CHECKED BY:	JCK
APPROVED BY:	FP
DATUM:	
CONTOUR INTERVAL =	FEET

0 20 40 80 160

1"=80'

SITE 7

SITE WIDE COVER SYSTEM PLAN

DESTINY USA

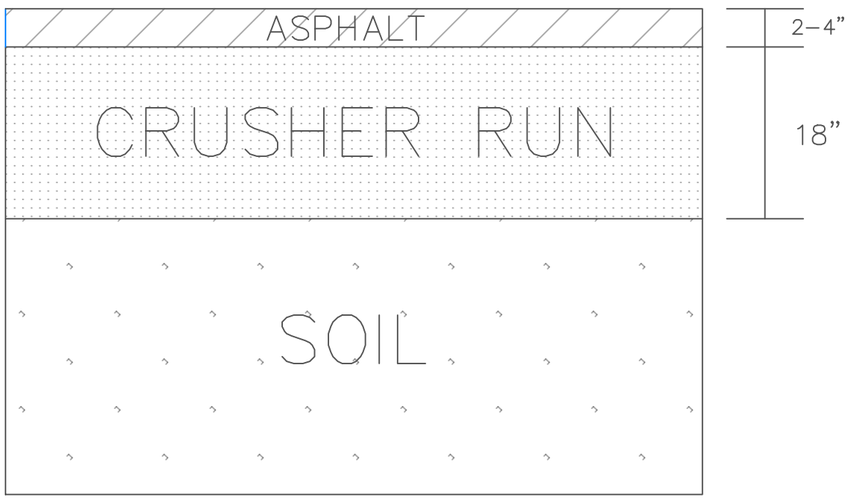
CITY OF SYRACUSE ONONDAGA CO., NY

SPECTRA ENVIRONMENTAL GROUP, INC.
19 British American Blvd
Latham, N.Y. 12110

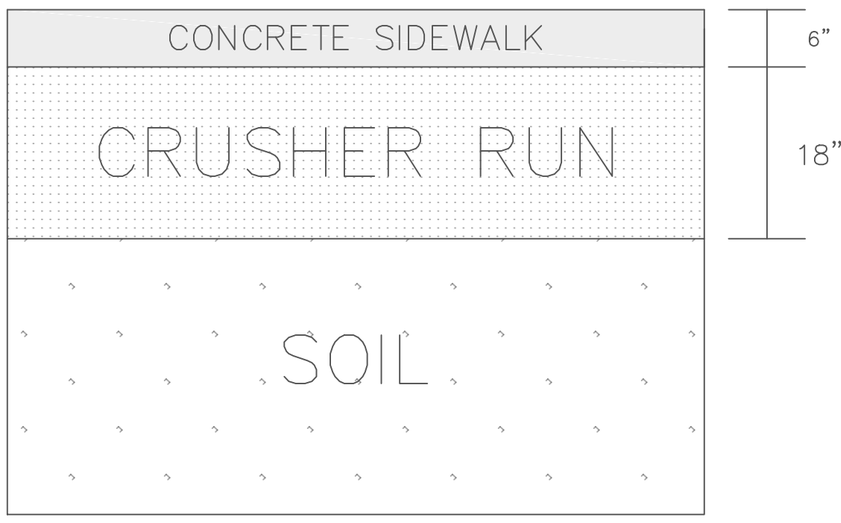
DATE:	12/14/17	SCALE:	1"=80'	DWG. NO.	15209J	FIGURE:	8

TYPICAL SOIL COVER

HOTEL SLAB BARRIER



TYPICAL ASPHALT COVER



TYPICAL CONCRETE COVER

LEGEND

- SOIL
- CRUSHER RUN
- ASPHALT
- CLEAN FILL
- PERMEABLE LAYER
- CONCRETE FLOOR SLAB
- CONCRETE SIDEWALK

NO.	DATE	RECORD OF WORK	DRN	CKD

PROJECT

PROJ. MGR:	FRP
PROJ. NO.:	15209
PREPARED BY:	KAO
DRAFTED BY:	KAO
CHECKED BY:	JCK
APPROVED BY:	
DATUM:	
CONTOUR INTERVAL =	FEET

0

AS SHOWN

SITE 7

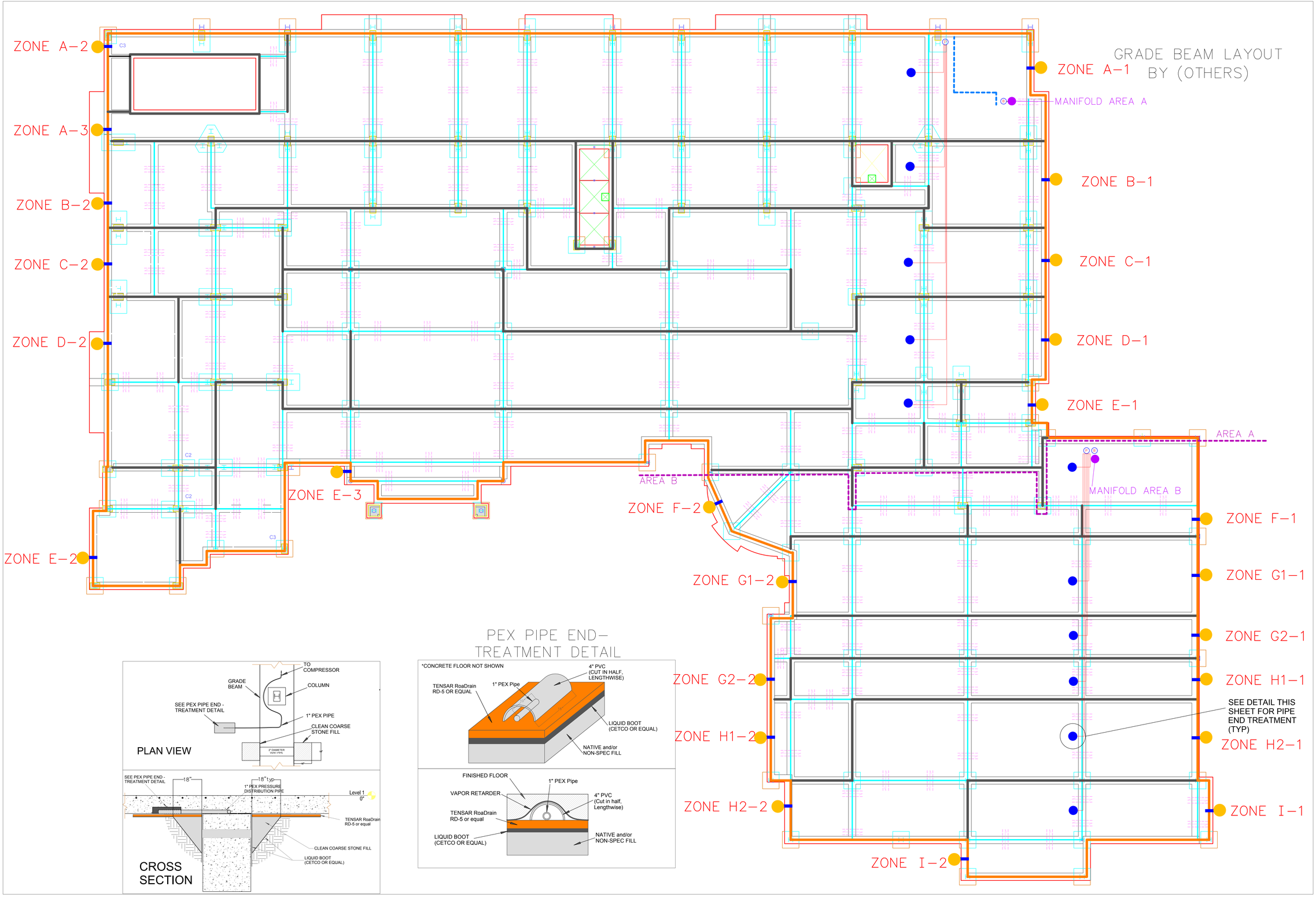
Typical Cover Detail For All Cover Types

DESTINY USA

CITY OF SYRACUSE ONONDAGA CO., NY

SPECTRA ENVIRONMENTAL GROUP, INC.
19 British American Blvd
Latham, N.Y. 12110

DATE: 8/10/2017 | SCALE: AS SHOWN | DWG. NO. 15209J | FIGURE: 9



PEX PIPE END-TREATMENT DETAIL

- Vented Interior Grade Beams
- Non-Vented Interior Grade Beams
- Exterior Grade Beams
- Overhead Subslab Piping
- Sub-Slab Pressure Monitoring / Air Sampling Port
- Pressure Distribution Network
- Manifold
- (P) Pex Pipe Emergence From Subslab
- (B) Blower

NO.	DATE	RECORD OF WORK	DRN	CKD

PROJECT	
PROJ. MGR:	PA
PROJ. NO.:	15209
PREPARED BY:	BTB
DRAFTED BY:	
CHECKED BY:	
APPROVED BY:	
DATUM:	MSL
CONTOUR INTERVAL =	NA FEET

VAPOR SYSTEM – GRADE BEAM LAYOUT

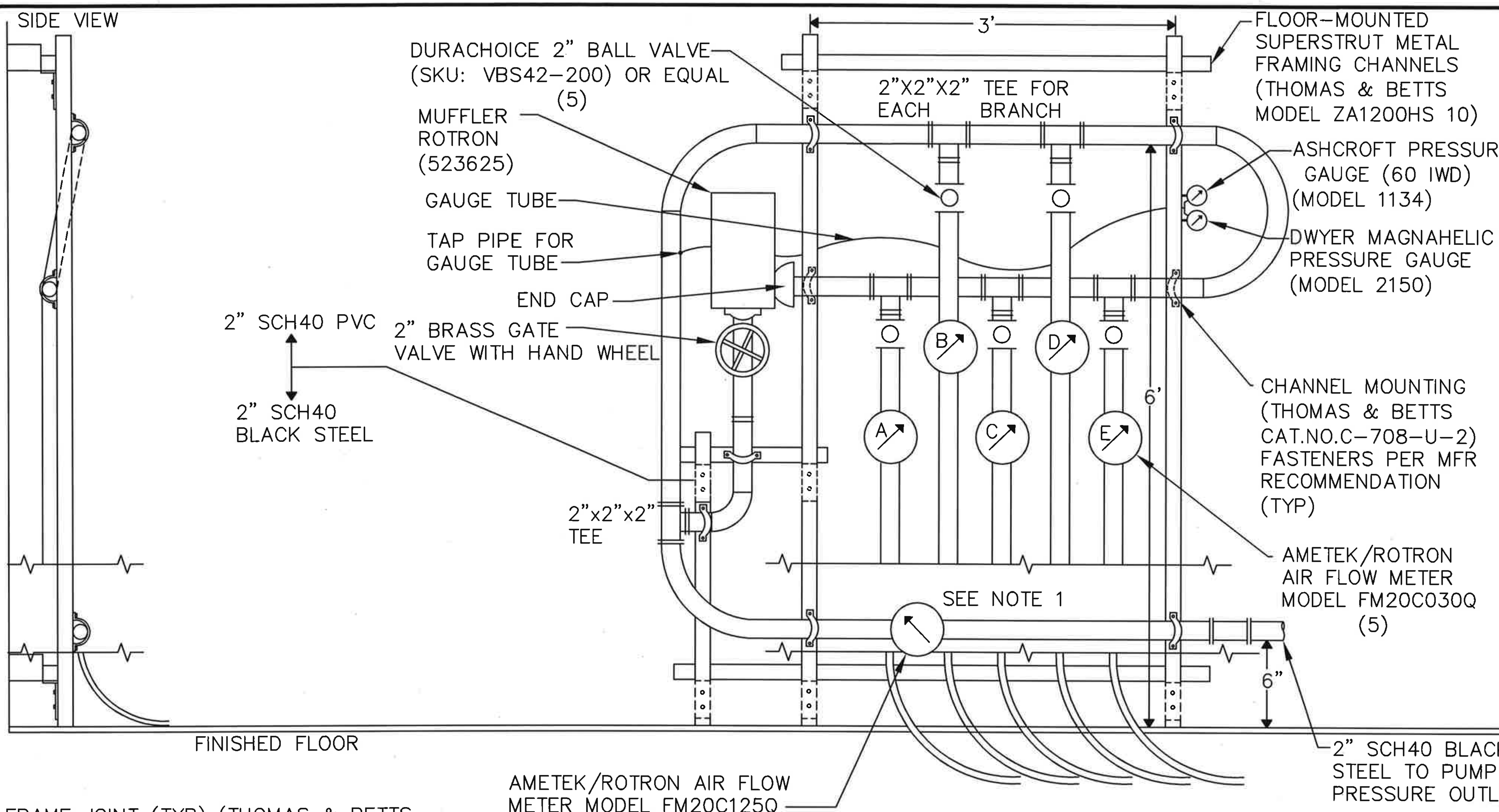
Destiny USA

EMBASSY SUITES

CITY OF SYRACUSE ONONDAGA CO., NY

SPECTRA ENVIRONMENTAL GROUP, INC.
19 British American Blvd
Latham, N.Y. 12110

DATE: 4/18/2016 | SCALE: 1"=500 | DWG. NO. 15209001 | PLATE 1 OF 1



NOTES:

1. ALL PIPE BETWEEN MANIFOLD LOCATION OF PEX STICKUP SHALL BE 2" PVC, ALL ELBOWS LONG SWEEP UNLESS FLEXIBLE PVC OR PEX IS USED

2. 16" MIN STRAIGHT PIPE BETWEEN VALVES AND GAUGES

3. ALL ELBOWS IN MANIFOLD SHALL BE LONG SWEEP

4. PROVIDE 230 V/3-PHASE. 5 AMP POWER SERVICE AT PUMP LOCATIONS

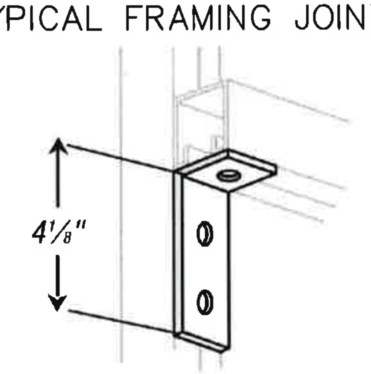
5. MINIMUM 8 FEET OF 2" SCH 40 BLACK STEEL PIPE FROM PUMP FLANGE. NO ELBOWS WITHIN 12" OF PUMP FLANGES

6. PROVIDE ROTRON VARIABLE FREQUENCY DRIVE IV102AL58 AT PUMP LOCATIONS

MANIFOLD	BRANCHES
ZONE A	5
ZONE B	6

FRAME JOINT (TYP) (THOMAS & BETTS CAT. NO. AB203) FASTENERS PER MFR RECOMMENDATION

TYPICAL FRAMING JOINT



CAT. NO. AB203

STATE OF NEW YORK — FRANK R. PROTO — LICENSED PROFESSIONAL ENGINEER — No. 052728

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

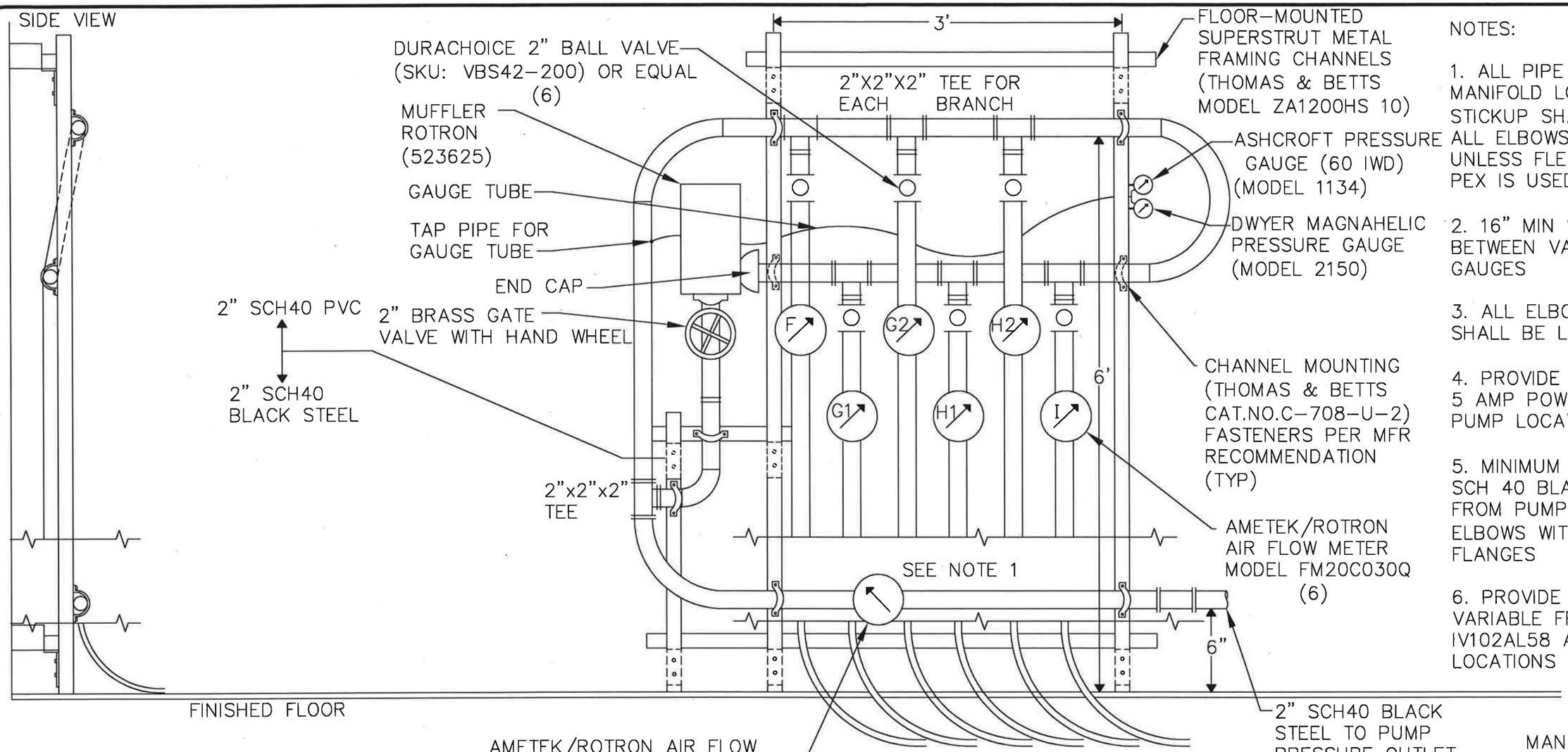
NO.	DATE	RECORD OF WORK	DRN	CKD	APPR
1	11/2/16	CHANGES INCORPORATED TO REDUCE WIDTH			
2	7/31/17	ADD MAGNAHELIC GAUGE			

PROJECT	
PROJ. ENGR.:	PMA
PROJ. NO.:	15209
PREPARED BY:	APC
DRAFTED BY:	APC
CHECKED BY:	PMA
APPROVED BY:	
DATUM:	
CONTOUR INTERVAL:	

AS-BUILT
MANIFOLD A
DESTINY USA REAL ESTATE,LLC
SITE 7
SYRACUSE NEW YORK

SPECTRA ENVIRONMENTAL GROUP, INC.
19 British American Blvd.
Latham, NY 12110

DATE: 7/31/17 | SCALE: | DWG: EMBASSY | FIGURE 6



NOTES:

1. ALL PIPE BETWEEN MANIFOLD LOCATION OF PEX STICKUP SHALL BE 2" PVC, ALL ELBOWS LONG SWEEP UNLESS FLEXIBLE PVC OR PEX IS USED

2. 16" MIN STRAIGHT PIPE BETWEEN VALVES AND GAUGES

3. ALL ELBOWS IN MANIFOLD SHALL BE LONG SWEEP

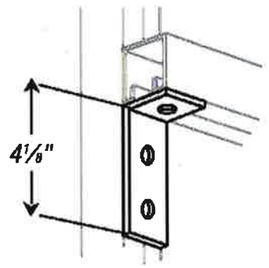
4. PROVIDE 230 V/3-PHASE. 5 AMP POWER SERVICE AT PUMP LOCATIONS

5. MINIMUM 8 FEET OF 2" SCH 40 BLACK STEEL PIPE FROM PUMP FLANGE. NO ELBOWS WITHIN 12" OF PUMP FLANGES

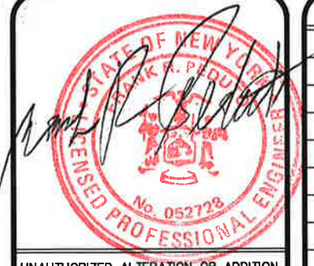
6. PROVIDE ROTRON VARIABLE FREQUENCY DRIVE IV102AL58 AT PUMP LOCATIONS

MANIFOLD	BRANCHES
ZONE A	5
ZONE B	6

FRAME JOINT (TYP) (THOMAS & BETTS CAT. NO. AB203) FASTENERS PER MFR RECOMMENDATION
TYPICAL FRAMING JOINT



CAT. NO. AB203



UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

NO.	DATE	RECORD OF WORK	DRN	CKD	APPR
1	11/2/16	CHANGES INCORPORATED TO REDUCE WIDTH			
2	7/31/17	ADD MAGNAHELIC GAUGE			

PROJECT	
PROJ. ENGR.:	PMA
PROJ. NO.:	15209
PREPARED BY:	APC
DRAFTED BY:	APC
CHECKED BY:	PMA
APPROVED BY:	
DATUM:	
CONTOUR INTERVAL:	

AS-BUILT
MANIFOLD B

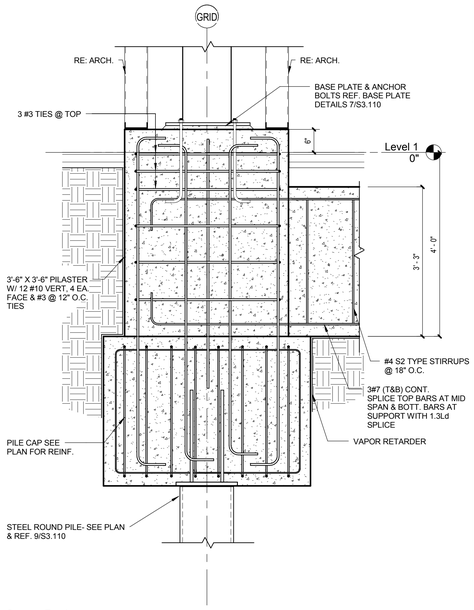
DESTINY USA REAL ESTATE, LLC

SITE 7

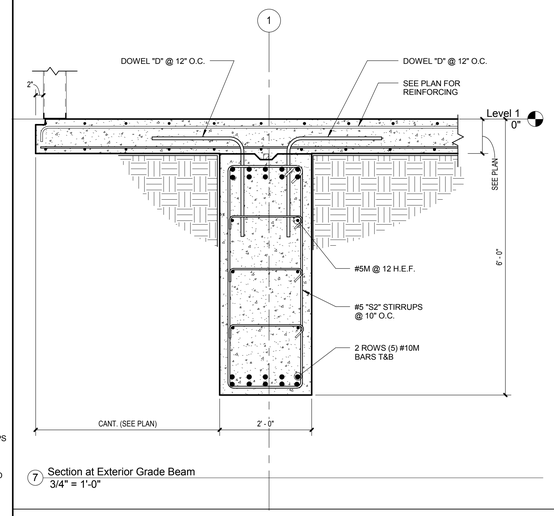
SYRACUSE NEW YORK

SPECTRA ENVIRONMENTAL GROUP, INC.
19 British American Blvd.
Latham, NY 12110

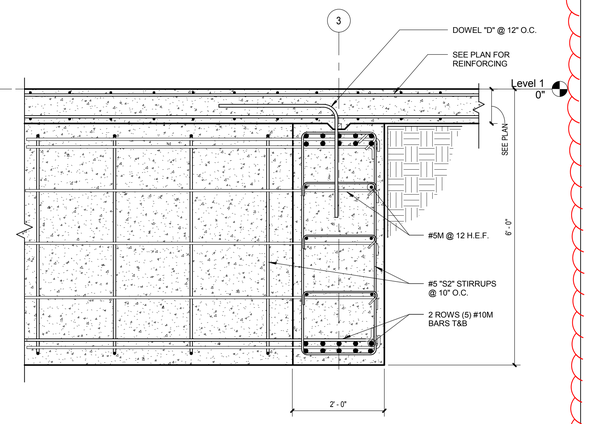
DATE:	7/31/17	SCALE:	DWG:	EMBASSY	FIGURE	7



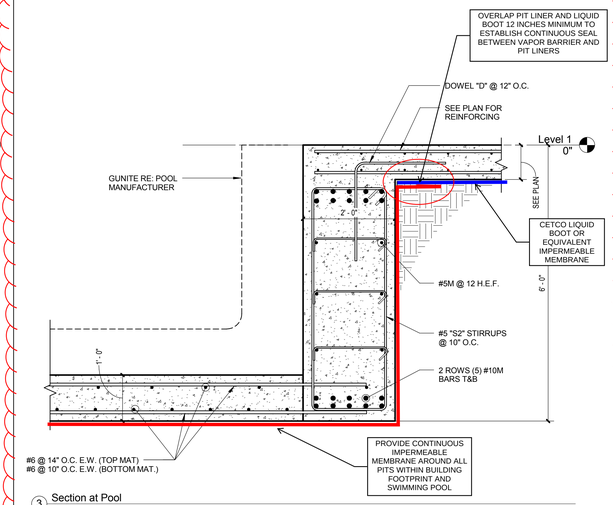
10 Canopy Footing
3/4" = 1'-0"



7 Section at Exterior Grade Beam
3/4" = 1'-0"



4 Section at Pool Beams
3/4" = 1'-0"



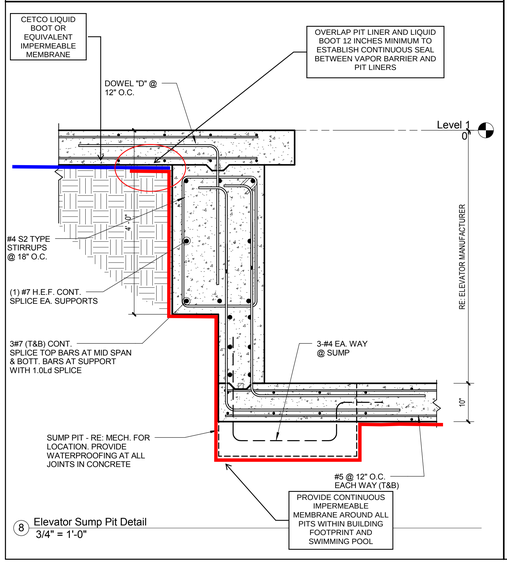
3 Section at Pool
3/4" = 1'-0"

9 Typical Exterior Grade Beam Detail
3/4" = 1'-0"

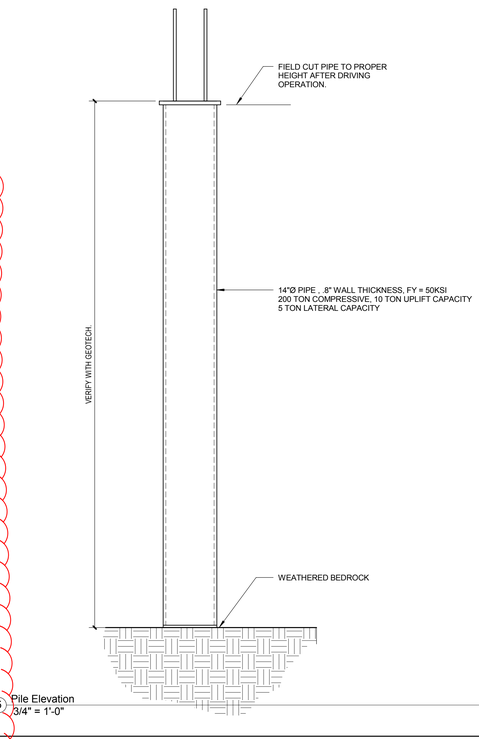
PMA
7/14/16

6 Not Used
3/4" = 1'-0"

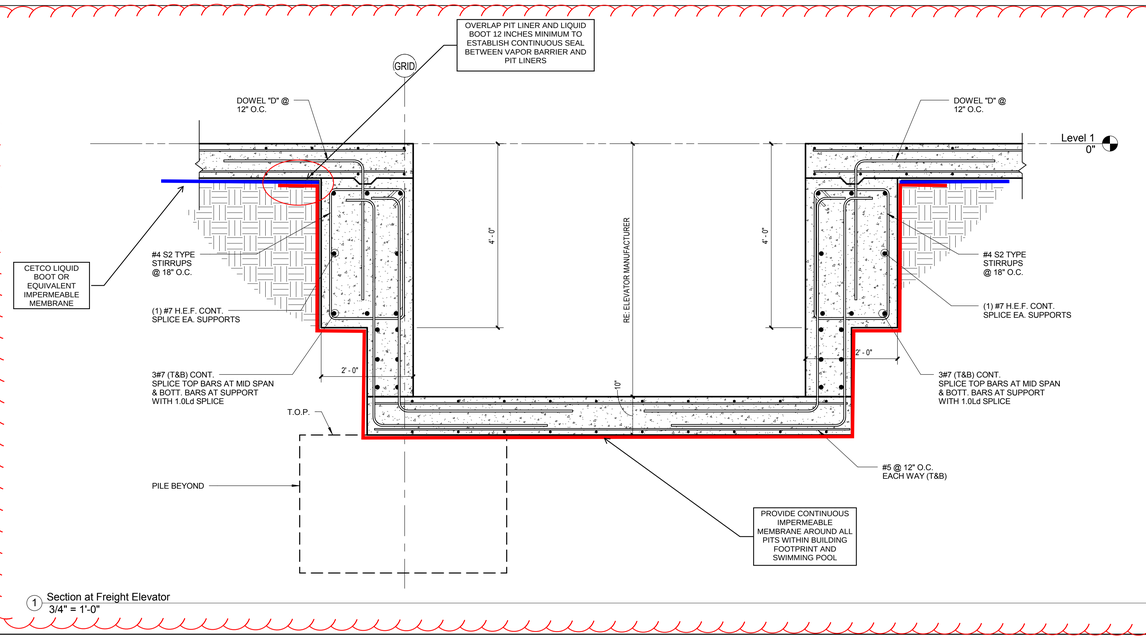
2 Section at Elevator
3/4" = 1'-0"



8 Elevator Sump Pit Detail
3/4" = 1'-0"



5 Pile Elevation
3/4" = 1'-0"



1 Section at Freight Elevator
3/4" = 1'-0"

MCS
MITCHELL CARLSON STONE, INC.
ARCHITECTURE
PLANNING
INTERIORS
3221 WEST ALABAMA
HOUSTON, TEXAS 77098
713/522-1054
713/522-4496 FAX

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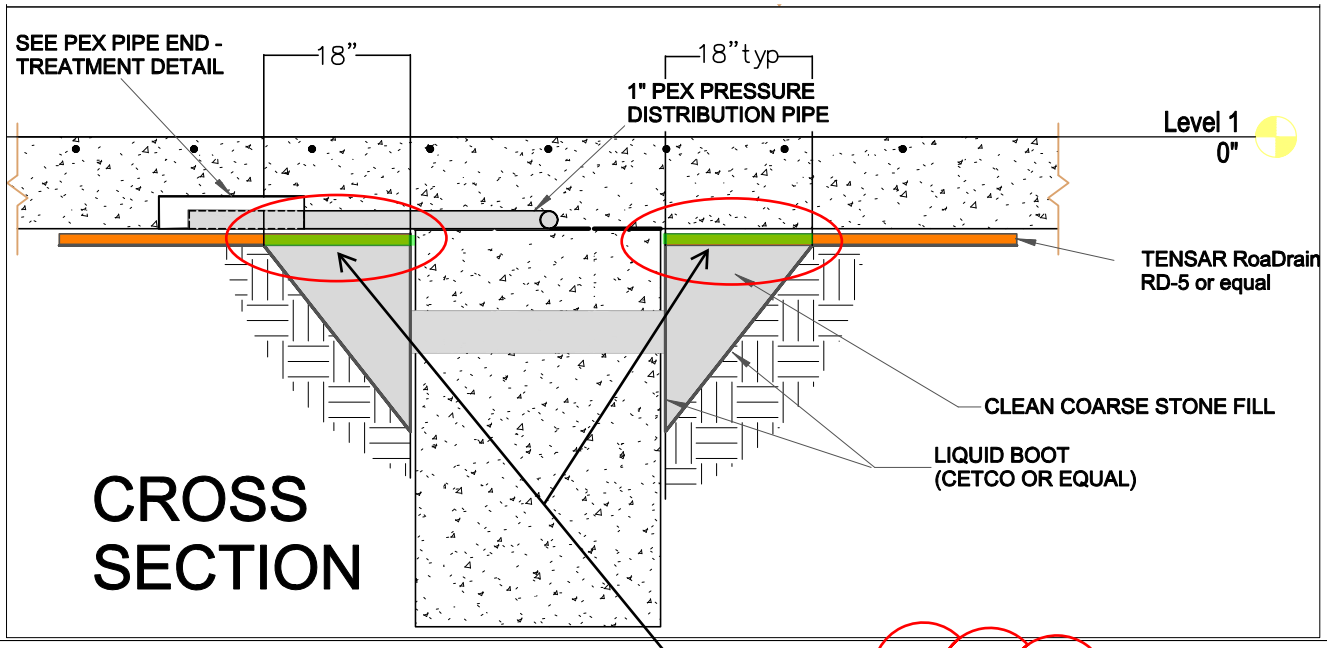
Syracuse, New York

STATE OF NEW YORK
WILLIAM F. BURNETT
REGISTERED PROFESSIONAL ENGINEER
88671-1
6-23-16

DATE
06/23/16 ISSUED FOR CONSTRUCTION

PROJECT NUMBER:
214196
SHEET NUMBER:
S3.111

VAPOR CONTROL DETAIL REVISION

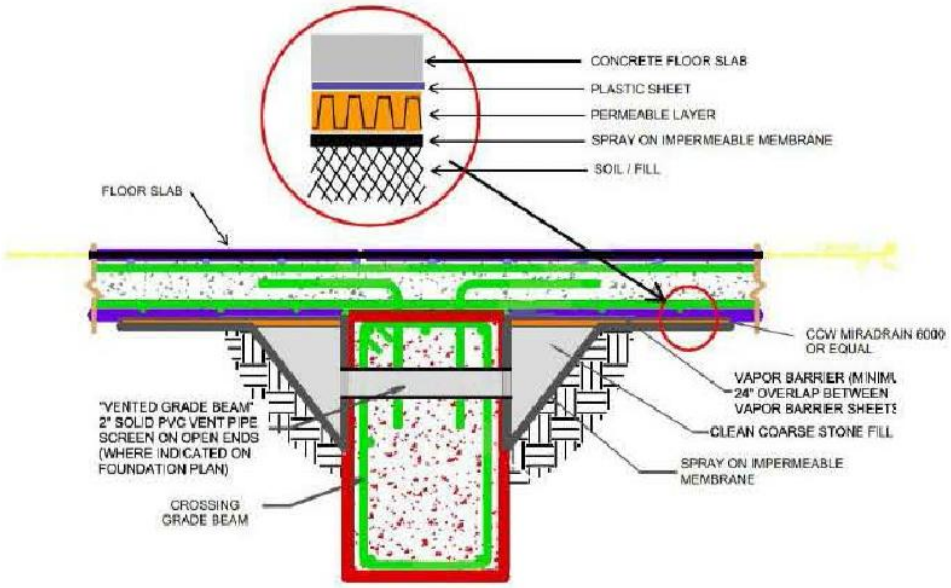


APPLIES TO SPECTRA
DRAWING 15209001
PLATE 1 OF 2

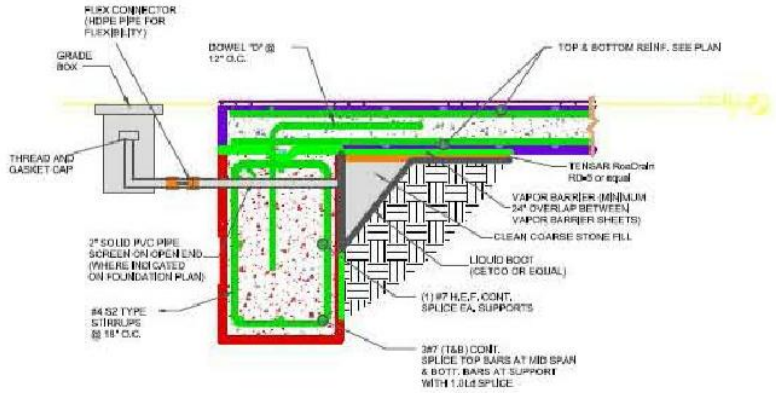
replace Mirafi G100N with Tensar RoadDrain over stone at beam vents

OR invert Mirafi G100N to orient with permeable face down

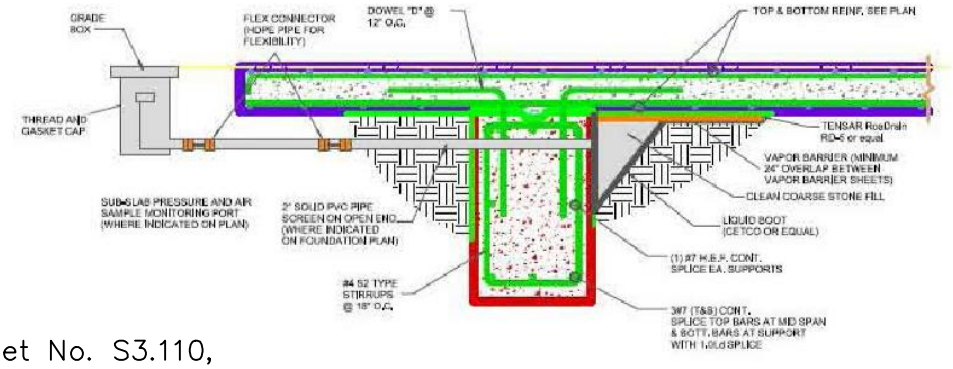
PMA
7/14/16



③ Section at Interior Grade beam
3/4" = 1'-0"



② Section at Exterior Grade Beam 2
3/4" = 1'-0"



Base Map: Sheet No. S3.110, Page C2, SCA/MCS

SPECTRA ENVIRONMENTAL GROUP, INC.
19 British American Blvd.
Latham, NY 12110

GRADE BEAM PENETRATION DETAIL
DESTINY USA REAL ESTATE, LLC
SITE 7
CITY OF SYRACUSE ONONDAGA CO., NY

PROJ. #:	15209	DATE:	9/7/2017	SCALE: NOT TO SCALE	DWG. NO.	15209GBD	FIGURE	1

APPENDIX B

VAPOR CONTROL SYSTEM MONITORING LOGS

EMBASSY SUITES VAPOR CONTROL SYSTEM MONITORING LOG

MANIFOLD A

year 2022

Inspect intake filter monthly, clean as necessary.

Date	Manifold Pressure (IWG)	Manifold Flow (cfm)	ZONE FLOW (cfm) A	B	C	D	E	Intake Filter Cleaned	Initials	Comments
1/5	48	185	30	22	25	18	17	✓	JD	
2/18	48	185	30	21	25	18	17	✓	JD	
3/22	48	185	30	22	25	18	17	✓	AH	
4/21/22	48	180	30	22	25	18	16	✓	B-S	
5/20/22	48	180	30	22	25	18	16	✓	JD	

EMBASSY SUITES VAPOR CON...OL SYSTEM MONITORING LOG

MANIFOLD A

Inspect intake filter monthly, clean as necessary.

Date	Manifold Pressure (IWG)	Manifold Flow (cfm)	ZONE FLOW (cfm)					Intake Filter Cleaned	Initials	Comments
			A	B	C	D	E			
6/17/21	50	180	30	20	24	17	17	✓	JAS.	
7/14/21	50	180	30	20	24	17	17	✓	JAS	
8/11/21	56	180	30	20	24	17	17	✓	JAS.	
9/15/21	50	180	30	20	23	17	17	✓	JS.	
10/28/21	45	170	30	20	23	17	16	✓	JD	
11/14/21	45	170	30	20	22	16	14	✓	JD	
12/16/21	43	170	28	20	22	16	14	✓	JD	

EMBASSY SUITES VAPOR CONTROL SYSTEM MONITORING LOG

MANIFOLD A

			ZONE FLOW (cfm)						
Date	Manifold Pressure (IWG)	Manifold Flow (cfm)	A	B	C	D	E	6" orifice (48)	Comments
4/19/24	50	188	30	22	24	18	17		
5/14/24	50	180	30	22	24	18	17	48	

EMBASSY SUITES VAPOR CONTROL SYSTEM MONITORING LOG

MANIFOLD B

year 2022

Inspect intake filter monthly, clean as necessary.

Date	Manifold Pressure (IWG)	Manifold Flow (cfm)	ZONE FLOW (cfm) F	G1	G2	H1	H2	I	Intake Filter Cleaned	Initials	COMMENTS
1/5/22	34	135	23	21	14	16	15	12	✓	DCS.	Order new Filters
2/16/22	35	135	22	21	14	16	15	12	✓	J.D	
3/22/22	40	135	24	22	16	18	16	17	✓	AH	
4/21/22	40	135	24	22	16	18	16	12	✓	J.S.	
5/20/22	38	135	23	22	14	16	14	12	✓	JD	

EMBASSY SUITES VAPOR CON…OL SYSTEM MONITORING LOG

MANIFOLD B

Inspect intake filter monthly, clean as necessary.

Date	Manifold Pressure (IWG)	Manifold Flow (cfm)	ZONE FLOW (cfm)						Intake Filter Cleaned	Initials	COMMENTS
			F	G1	G2	H1	H2	I			
6/17/21	35	135	23	21	14	16	15	12	✓	JDS	
7/14/21	35	135	23	21	14	16	15	12	✓	JDS	
8/11/21	35	135	23	21	14	16	15	12	✓	JDS	
9/15/21	35	135	23	21	14	16	15	13	✓	JAS	
10/28/21	35	135	23	21	14	16	15	12	✓	JD	
11/14/21	35	135	23	21	14	16	15	12	✓	JD	
12/16/21	35	135	22	21	14	15	15	12	✓	JD	

Embassy Suites Vaper Control Log

Manifold B

Zone Flow (CFM)

Date	Manifold Pressure (IWG)	Manifold Flow (CFM)	F	G1	G2	H1	H2	I	Comments	Signature
4/19/21	35	135	23	20	14	17	16	12		[illegible]
5/14/21	35	135	23	20	14	17	16	12		[illegible]

APPENDIX C

SOIL COVER AND CAP DISTURBANCE DOCUMENTATION AND MONITORING LOGS

MONTHLY SITE COVER SYSTEM INSPECTION REPORT

Month of April 22,

1. Is there any evidence of cracks, settling, disturbance in the asphalt cover?

_____yes ____✓____no

2. Is there any evidence of cracks, settling, soil disturbance in the soil cover (berms, side hills, etc)?

_____yes ____✓____no

3. Is there any evidence of cracking, settling, disturbance near the monitoring wells?

_____yes ____✓____no

4. If either 1, 2 or 3 are answered 'yes', state where and the condition:

_____

_____

_____

_____

5. Operation / Maintenance Action required:

_____yes ____✓____no

6. Describe Maintenance Action and Date Completed:

_____

_____

_____

_____

(attach maintenance/repair report)

Name: Vega Segura

Signature: _____

Date: 4/5/22,

MONTHLY SITE COVER SYSTEM INSPECTION REPORT

Month of March 22

1. Is there any evidence of cracks, settling, disturbance in the asphalt cover?

_____yes __X__no

2. Is there any evidence of cracks, settling, soil disturbance in the soil cover (berms, side hills, etc)?

_____yes __X__no

3. Is there any evidence of cracking, settling, disturbance near the monitoring wells?

_____yes __X__no

4. If either 1, 2 or 3 are answered 'yes', state where and the condition:

_____

_____

_____

_____

5. Operation / Maintenance Action required:

_____yes __X__no

6. Describe Maintenance Action and Date Completed:

_____

_____

_____

_____

(attach maintenance/repair report)

Name: Jim D. Benova

Signature: [signature]

Date: 3/22/22

MONTHLY SITE COVER SYSTEM INSPECTION REPORT

Month of Feb 22

1. Is there any evidence of cracks, settling, disturbance in the asphalt cover?

_____yes __X__no

2. Is there any evidence of cracks, settling, soil disturbance in the soil cover (berms, side hills, etc)?

_____yes __X__no

3. Is there any evidence of cracking, settling, disturbance near the monitoring wells?

_____yes __X__no

4. If either 1, 2 or 3 are answered 'yes', state where and the condition:

_____

_____

_____

_____

5. Operation / Maintenance Action required:

_____yes __X__no

6. Describe Maintenance Action and Date Completed:

_____

_____

_____

_____

(attach maintenance/repair report)

Name: Jim DiGenova

Signature: [signature]

Date: 2/15/22

MONTHLY SITE COVER SYSTEM INSPECTION REPORT

Month of Jan 22

1. Is there any evidence of cracks, settling, disturbance in the asphalt cover?

_____yes __✓__no

2. Is there any evidence of cracks, settling, soil disturbance in the soil cover (berms, side hills, etc)?

_____yes __✓__no

3. Is there any evidence of cracking, settling, disturbance near the monitoring wells?

_____yes __✓__no

4. If either 1, 2 or 3 are answered 'yes', state where and the condition:

_____

_____

_____

_____

5. Operation / Maintenance Action required:

_____yes __✓__no

6. Describe Maintenance Action and Date Completed:

_____

_____

_____

_____

(attach maintenance/repair report)

Name: Jerry Seguin

Signature: [signature]

Date: 1/8/22

MONTHLY SITE COVER SYSTEM INSPECTION REPORT

Month of Dec.

1. Is there any evidence of cracks, settling, disturbance in the asphalt cover?

_____yes __X__ no

2. Is there any evidence of cracks, settling, soil disturbance in the soil cover (berms, side hills, etc)?

_____yes __X__ no

3. Is there any evidence of cracking, settling, disturbance near the monitoring wells?

_____yes __X__ no

4. If either 1, 2 or 3 are answered 'yes', state where and the condition:

_____

_____

_____

_____

5. Operation / Maintenance Action required:

_____yes __X__ no

6. Describe Maintenance Action and Date Completed:

_____

_____

_____

_____

(attach maintenance/repair report)

Name: James DiGenova

Signature: [signature]

Date: 12/17/21

MONTHLY SITE COVER SYSTEM INSPECTION REPORT

Month of Nov.

1. Is there any evidence of cracks, settling, disturbance in the asphalt cover?

_____yes __X__ no

2. Is there any evidence of cracks, settling, soil disturbance in the soil cover (berms, side hills, etc)?

_____yes __X__ no

3. Is there any evidence of cracking, settling, disturbance near the monitoring wells?

_____yes __X__ no

4. If either 1, 2 or 3 are answered 'yes', state where and the condition:

_____

_____

_____

_____

5. Operation / Maintenance Action required:

_____yes __X__ no

6. Describe Maintenance Action and Date Completed:

_____

_____

_____

_____

(attach maintenance/repair report)

Name: James DiGenova

Signature: [signature]

Date: 11/19/21

MONTHLY SITE COVER SYSTEM INSPECTION REPORT

Month of Oct

1. Is there any evidence of cracks, settling, disturbance in the asphalt cover?

_____yes __X__no

2. Is there any evidence of cracks, settling, soil disturbance in the soil cover (berms, side hills, etc)?

_____yes __X__no

3. Is there any evidence of cracking, settling, disturbance near the monitoring wells?

_____yes __X__no

4. If either 1, 2 or 3 are answered 'yes', state where and the condition:

_____

_____

_____

_____

5. Operation / Maintenance Action required:

_____yes __X__no

6. Describe Maintenance Action and Date Completed:

_____

_____

_____

_____

(attach maintenance/repair report)

Name: James DiGenova

Signature: [signature]

Date: 10/16/21

MONTHLY SITE COVER SYSTEM INSPECTION REPORT

Month of Sept

1. Is there any evidence of cracks, settling, disturbance in the asphalt cover?

_____yes _____✓_____no

2. Is there any evidence of cracks, settling, soil disturbance in the soil cover (berms, side hills, etc)?

_____yes _____✓_____no

3. Is there any evidence of cracking, settling, disturbance near the monitoring wells?

_____yes _____✓_____no

4. If either 1, 2 or 3 are answered 'yes', state where and the condition:

_____

_____

_____

_____

5. Operation / Maintenance Action required:

_____yes _____✓_____no

6. Describe Maintenance Action and Date Completed:

_____

_____

_____

_____

(attach maintenance/repair report)

Name: Terry Sisco

Signature: _____

Date: 9/26/24

MONTHLY SITE COVER SYSTEM INSPECTION REPORT

Month of Aug.

1. Is there any evidence of cracks, settling, disturbance in the asphalt cover?

_____yes _____✓_____no

2. Is there any evidence of cracks, settling, soil disturbance in the soil cover (berms, side hills, etc)?

_____yes _____✓_____no

3. Is there any evidence of cracking, settling, disturbance near the monitoring wells?

_____yes _____✓_____no

4. If either 1, 2 or 3 are answered 'yes', state where and the condition:

_____

_____

_____

_____

5. Operation / Maintenance Action required:

_____yes _____✓_____no

6. Describe Maintenance Action and Date Completed:

_____

_____

_____

_____

(attach maintenance/repair report)

Name: Jerry Sesuto

Signature: _____

Date: 8/16/21

MONTHLY SITE COVER SYSTEM INSPECTION REPORT

Month of July

1. Is there any evidence of cracks, settling, disturbance in the asphalt cover?

_____yes _____✓_____no

2. Is there any evidence of cracks, settling, soil disturbance in the soil cover (berms, side hills, etc)?

_____yes _____✓_____no

3. Is there any evidence of cracking, settling, disturbance near the monitoring wells?

_____yes _____✓_____no

4. If either 1, 2 or 3 are answered 'yes', state where and the condition:

_____

_____

_____

_____

5. Operation / Maintenance Action required:

_____yes _____✓_____no

6. Describe Maintenance Action and Date Completed:

_____

_____

_____

_____

(attach maintenance/repair report)

Name: Jerry Sescavage

Signature: _____

Date: 7/30/21

MONTHLY SITE COVER SYSTEM INSPECTION REPORT

Month of June.

1. Is there any evidence of cracks, settling, disturbance in the asphalt cover?

_____yes _____✓_____no

2. Is there any evidence of cracks, settling, soil disturbance in the soil cover (berms, side hills, etc)?

_____yes _____✓_____no

3. Is there any evidence of cracking, settling, disturbance near the monitoring wells?

_____yes _____✓_____no

4. If either 1, 2 or 3 are answered 'yes', state where and the condition:

_____

_____

_____

_____

5. Operation / Maintenance Action required:

_____yes _____✓_____no

6. Describe Maintenance Action and Date Completed:

_____

_____

_____

_____

(attach maintenance/repair report)

Name: Jerry Sesay

Signature: _____

Date: 6/16/21

MONTHLY SITE COVER SYSTEM INSPECTION REPORT

Month of May

1. Is there any evidence of cracks, settling, disturbance in the asphalt cover?

_____yes _____✓_____no

2. Is there any evidence of cracks, settling, soil disturbance in the soil cover (berms, side hills, etc)?

_____yes _____✓_____no

3. Is there any evidence of cracking, settling, disturbance near the monitoring wells?

_____yes _____✓_____no

4. If either 1, 2 or 3 are answered 'yes', state where and the condition:

_____

_____

_____

_____

5. Operation / Maintenance Action required:

_____yes _____✓_____no

6. Describe Maintenance Action and Date Completed:

_____

_____

_____

_____

(attach maintenance/repair report)

Name: Tony Segura

Signature: [signature]

Date: 5/19/21

MONTHLY SITE COVER SYSTEM INSPECTION REPORT

Month of April

1. Is there any evidence of cracks, settling, disturbance in the asphalt cover?

_____yes ✓ no

2. Is there any evidence of cracks, settling, soil disturbance in the soil cover (berms, side hills, etc)?

✓

_____yes _____no

3. Is there any evidence of cracking, settling, disturbance near the monitoring wells?

✓

_____yes _____no

4. If either 1, 2 or 3 are answered 'yes', state where and the condition:

_____

_____

_____

_____

5. Operation / Maintenance Action required:

_____yes ✓ no

6. Describe Maintenance Action and Date Completed:

_____

_____

_____

_____

(attach maintenance/repair report)

Name: Tom Segner

Signature: _____

Date: 4/22/21

APPENDIX D

ENGINEERING AND INSTITUTIONAL CONTROLS 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. C734135

Site Name Oil City/Carousel Center - Site 7

Site Address: 311-71 Hiawatha Blvd. West Zip Code: 13204
City/Town: Syracuse
County: Onondaga
Site Acreage: 22.843

Reporting Period: April 27, 2021 to April 27, 2022

	YES	NO
1. Is the information above correct?	X	☐
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?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
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?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

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?	☐	X
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)	X	☐
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. C734135 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
116.-02-01.0	Destiny USA Real Estate LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

- Allow the use and development of the Controlled Property as Commercial and Industrial;
- Prohibition against the use of groundwater without treatment;
- Compliance with an Excavation Work Plan for intrusive work that penetrates cover;
- Compliance with an Operation and Maintenance Plan;
- Compliance with the Site Monitoring Plan including monitoring of groundwater;
- Periodic certification of all Institutional and Engineering Controls; and
- Evaluation of potential vapor intrusion for any future buildings developed on the site.

116.-02-07.0	Destiny USA Land Company LLC	Ground Water Use Restriction Soil Management Plan Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

- Allow the use and development of the Controlled Property as Commercial and Industrial;
- Prohibition against the use of groundwater without treatment;
- Compliance with an Excavation Work Plan for intrusive work that penetrates cover;
- Compliance with an Operation and Maintenance Plan;
- Compliance with the Site Monitoring Plan including monitoring of groundwater;
- Periodic certification of all Institutional and Engineering Controls; and
- Evaluation of potential vapor intrusion for any future buildings developed on the site.

116.-02-08.1	Destiny USA Land Company LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

- Allow the use and development of the Controlled Property as Commercial and Industrial;
- Prohibition against the use of groundwater without treatment;
- Compliance with an Excavation Work Plan for intrusive work that penetrates cover;
- Compliance with an Operation and Maintenance Plan;
- Compliance with the Site Monitoring Plan including monitoring of groundwater;
- Periodic certification of all Institutional and Engineering Controls; and
- Evaluation of potential vapor intrusion for any future buildings developed on the site.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
116.-02-01.0	Vapor Mitigation Cover System

- Soil Cover over 5 acres; and
- Sub-Slab Vapor Mitigation System on the Site building.

116.-02-07.0

Parcel	Engineering Control
	Vapor Mitigation Cover System

- Soil Cover over 5 acres; and
- Sub-Slab Vapor Mitigation System on the Site building.

116.-02-08.1

Vapor Mitigation
Cover System
Fencing/Access Control

- Soil Cover over 5 acres; and
- Sub-Slab Vapor Mitigation System on the Site building;
- Fencing around drainage swale.

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
X	☐

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
X	☐

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. C734135

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 Paul Adel (print name) at 19 British American Blvd, Latham, NY 02110 (print business address),

am certifying as owner's designated representative (Owner or Remedial Party)

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

Paul M. Adel

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

5/23/2022
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 Paul Adel (print name) at 19 British American Blvd, Latham, NY 02110 (print business address),

am certifying as a Professional Engineer for the Destiny USA Land Company LLC (Owner or Remedial Party)

Paul M. Adel

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

Stamp (Required for PE)

5/23/2022
Date