

Consolidated Edison Company of New York, Inc. 31-01 20th Avenue Long Island City NY 11105-2048 www.conEd.com

September 4, 2018

Mr. Douglas MacNeal New York State Department of Environmental Conservation Division of Environmental Remediation 625 Broadway Albany, NY 12233-1011

RE: Consolidated Edison Company of New York, Inc.

East 173rd Street Works Site (Site #V00552-2) Periodic Review Report

Voluntary Cleanup Agreement Index No. D2-0003-02-08

Dear Mr. MacNeal:

The enclosed Periodic Review Report has been prepared under Con Edison's Voluntary Cleanup Agreement Index No. D2-0003-02-08 for the East 173rd Street Works Site (Site #V00552-2). This report provides the required inspection and certification of the institutional controls and engineering controls of the site for the period from August 16, 2017 to August 16, 2018.

Please feel free to contact me at 718-204-4288 should you have any questions or if you need any assistance during your review of this submittal.

Sincerely,

for

Richard Rienzo Project Manager EH&S, Remediation

Consolidated Edison Company of NY, Inc.

Attachments: Periodic Review Report

cc: Kenneth Kaiser, Department Manager EHS Remediation

Albert DeMarco, NYSDOH

Lawrence Scoones, City of New York, Parks & Recreation

Correspondence File

EAST 173RD STREET WORKS FORMER MGP SITE STARLIGHT PARK, BRONX, NEW YORK OPERABLE UNIT 1 PERIODIC REVIEW REPORT (NYSDEC VCA INDEX NO. D2-0003-02-0/SITE NO: V00552)



CONSOLIDATED EDISON CO. OF NEW YORK, INC. 31-01 20th Avenue Long Island City, NY 11105

Prepared by:

GEI Consultants, Inc., P.C. 5586 Post Road, Suite 1 East Greenwich, RI 02818

August 2018

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GEI Consultants, Inc.

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Abbreviations and Acronyms

AWQS New York State Ambient Water Quality Standards

cgs current ground surface

Con Edison Consolidated Edison Company of New York, Inc.

DER Division of Environmental Remediation
DNAPL Dense Non-Aqueous Phase Liquid

GEI GEI Consultants, Inc.
MGP Manufactured Gas Plant

NYC DDC New York City Department of Design and Construction NYCDPR New York City Department of Parks and Recreation

NYSDEC New York State Department of Environmental Conservation

NYSDOT New York State Department of Transportation

OU-1 Operable Unit 1 ppm parts per million

PRR Periodic Review Report

RA Remedial Action

RAOs Remedial Action Objectives
RAR Remedial Action Report
RAWP Remedial Action Work Plan
RI Remedial Investigation

SM Site Management SMP Site Management Plan

SVOCs Semi-Volatile Organic Compounds
VCA Voluntary Cleanup Agreement
VOCs Volatile Organic Compounds

1. Introduction

GEI Consultants, Inc., P.C. (GEI), on behalf of Consolidated Edison Company of New York, Inc. (Con Edison), presents this Operable Unit 1 (OU-1) Periodic Review Report (PRR), which presents a summary of the implementation of, and compliance with, site-specific Site Management (SM) requirements completed by Con Edison from August 16, 2017 to August 16, 2018 at the East 173rd Street Works former manufactured gas plant (MGP) site located in Bronx, New York (**Figure 1**). This report has been prepared in accordance with the requirements of Section 6 of *Division of Environmental Remediation (DER)-10, Technical Guidance for Site Investigation and Remediation*, and the Voluntary Cleanup Agreement, Index No. D2-0003-02-08 (VCA) signed by Con Edison and the New York State Department of Environmental Conservation (NYSDEC).

1.1 Site Summary

The East 173rd Street former MGP site (the Site) is located between the Sheridan Expressway and the Bronx River in the neighborhood of West Farms, in the Borough of the Bronx, New York (**Figure 1**). The Site was owned by Con Edison and its predecessor companies from 1859 to 1945, when it was bought by the City of New York.

Con Edison has completed a remedial investigation and a NYSDEC-approved remedy for the Site. The remedial investigations determined the presence of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) in subsurface-soil samples at concentrations that exceed the NYSDEC-established project Soil Cleanup Criteria (i.e., soil-containing dense non-aqueous phase liquid [DNAPL] tar and/or concentrations of total SVOCs greater than 500 parts per million [ppm], and/or concentrations of VOCs greater than 10 ppm). The DNAPL tar was limited to discrete areas within the former MGP boundary, at depths between 8 and 20.5 feet below current ground surface (cgs). The DNAPL tar represented a continuing source for VOC and SVOC groundwater contamination. Groundwater at Starlight Park is not used for irrigation or as a drinking water source.

A remedial action was completed at the Site to remove impacted soils that exceed the project Soil Cleanup Criteria. The remedy included the installation and maintenance of a clean fill cover cap and underlying visible demarcation barrier in all portions of the OU-1 area where excavation was required to meet the project Soil Cleanup Criteria.

1.2 Effectiveness of the Remedial Program

The remedial action was completed in November 2007. A Remedial Action Report detailing the excavation, confirmation sampling program, backfill, and clean cover installation was approved by the NYSDEC in 2010. Post remediation groundwater sampling was conducted semi-annually per the Site Management Plan (SMP) from April 2008 to April 2011. Four rounds of samples

OPERABLE UNIT 1 PERIODIC REVIEW REPORT CONSOLIDATED EDISON COMPANY EAST 173RD STREET WORKS FORMER MGP SITE AUGUST 17, 2018

were collected from on-site monitoring wells. No MGP-related impacts were observed in the groundwater results. During the recent New York State Department of Transportation (NYSDOT) and New York City Department of Design & Construction (NYC DDC) construction at the Site, the demarcation barrier proved effective at preventing uncontrolled excavation below the clean cover.

To date, the remedial program has been successful at meeting the remedial objectives for the Site.

1.3 Compliance with SMP

All work conducted at the Site during the monitoring period was in compliance with the NYSDEC-approved SMP. No corrective action is necessary at this time.

1.4 Recommendations

Con Edison does not recommend any changes to the SMP at this time. Con Edison recommends that the annual frequency of PRRs be continued until all construction related to the NYSDOT Greenways Project and Starlight Park is completed. Following the completion of all construction, Con Edison may request to decrease the frequency of PRR.

The requirements for discontinuing periodic groundwater sampling were met in April 2010. With NYSDEC approval upon evaluation of the groundwater monitoring data, the on-site monitoring wells were properly abandoned in May 2010.

2. Site Overview

The Site is located between the Sheridan Expressway and the Bronx River in the neighborhood of West Farms, in the Borough of the Bronx, New York (**Figure 1**). The Site is defined as all land occupied by former MGP operations. The term "on site" refers to land within the boundary of the former MGP. The Site is approximately 3 acres in size and is located within the central portion of Starlight Park (approximately 8 acres), a part of the Bronx River Park. The former MGP property boundary and the locations of MGP structures are shown in **Figure 2**.

Starlight Park is currently owned by the City of New York and is operated by the New York City Department of Parks and Recreation (NYCDPR) and continues to have construction related to recreational facilities occurring on site. The current Starlight Park conditions and construction is documented in **Appendix A** and **Appendix B**.

2.1 Pre-Remedy Nature and Extent

Con Edison completed a comprehensive NYSDEC-approved remedial investigation (RI) from April 2003 to April 2004 for the Site pursuant to the VCA. The compounds detected in the soil and groundwater at the Site included VOCs, SVOCs, and inorganic compounds. Many of the inorganic and organic compounds detected in the on-Site soil and groundwater can be associated with MGP residues; however, some of these detected compounds also typically occur in urban fill, which forms the uppermost soil layer of the Site.

Soil – The uppermost soils layer, urban fill, was not impacted by the former MGP operations. Physical evidence of MGP residue and analytical results indicated that on-Site subsurface soil was impacted by the former MGP operations. VOCs and SVOCs were detected in subsurface-soil samples at concentrations that exceed the NYSDEC-established project Soil Cleanup Criteria. The samples exhibiting the highest SVOC concentrations were collected from on-Site subsurface soils containing DNAPL tar. The DNAPL tar was limited to discrete areas within the former MGP boundary, at depths between 8 and 20.5 feet below cgs.

Groundwater – Groundwater samples collected from on-Site wells located in areas of MGP-impacted subsurface soils and along the hydraulically downgradient Site boundary contained concentrations of VOCs and SVOCs above the New York State Ambient Water Quality Standards (AWQS) for a GA Water Class. The DNAPL tar represented a continuing source for VOC and SVOC groundwater contamination. Groundwater at Starlight Park is not used for irrigation or as a drinking water source.

2.2 Remedial Program Chronology

A remedial program was implemented in accordance with the NYSDEC-approved Remedial Action Work Plan (RAWP) and OU-1 Final Design Report. The remediation requirements for OU-1 included excavation of impacted soils, installation of a clean cover, institutional controls and post-remediation groundwater monitoring.

Excavation of materials was required to meet the NYSDEC-approved cleanup criteria for the Site. The NYSDEC required the removal of visible tar impacts and soil containing total VOC concentrations greater than 10 ppm or total SVOC concentration greater than 500 ppm. The NYSDEC allowed for reuse of site soils meeting the cleanup criteria as backfill at the Site below the clean fill cover. The NYSDEC further required that a warning demarcation barrier be installed between the reused soils and the clean fill cover. The cover requirements included a 3-foot-thick clean fill cover throughout the athletic field proposed by the NYCDPR and a 6-foot-thick clean fill cover outside the ball field proposed by the NYCDPR and inside the former MGP site footprint and inside the remedial excavation outside the former MGP footprint.

Remedial activities began in January 2007. All remedial excavation work was completed in September 2007. The excavation was backfilled in accordance with RAWP and the clean cover system was installed. The Site was rough graded to the remedial restoration grade, which was approximately 7 inches below the proposed park grade to allow for topsoil, landscaping materials, synthetic turf, drainage and pavement as part of the park reconstruction. Remedial activities were completed in November 2007. A summary of the remediation is shown in **Figure** 3

2.3 Remedial Action Objectives

As described in the NYSDEC-approved RAWP and Remedial Action Report (RAR), the remediation requirements for OU-1 included excavation of impacted soils, installation of a clean cover, institutional controls and post-remediation groundwater monitoring. The remediation requirements were developed to meet the site-specific remedial action objectives (RAOs) identified in the RAWP. These RAOs include:

- Eliminate, to the extent practical, the potential human health exposure of Starlight Park visitors and maintenance/construction workers to MGP-related contaminants
- Eliminate, to the extent practicable, potential impacts to the environment from MGPrelated contaminates
- To the extent practicable, excavate and remove identified DNAPL and MGP-related contaminants

3. Evaluation of Remedy

As described in the RAR and April 2010 groundwater report, the remediation conducted has met the site-specific RAOs established in the RAWP. Specifically, the remedy has met or continues to meet the following RAOs.

- Eliminate, to the extent practical, the potential human health exposure of Starlight Park visitors and maintenance/construction workers to MGP-related contaminants.
 - The remedy established a clean soil cover system above the re-used backfill materials which consisted of 3 to 6 feet of clean fill above the demarcation barrier. The institutional controls established in the SMP and subsequent new park construction prevents uncontrolled access to materials below the demarcation barrier.
 - During the recent park reconstruction, workers were not exposed to soils below the demarcation barrier.
- Eliminate, to the extent practicable, potential impacts to the environment from MGP-related contaminates.
 - The remedy removed the source of groundwater impacts at the Site by removing MGP-related contaminates which did not meet the site-specific cleanup criteria.
 - Post remedial groundwater sampling demonstrated that the source removal was effective.
- To the extent practicable, excavate and remove identified DNAPL and MGP-related contaminants.
 - The remedial excavation was planned to remove identified DNAPL and MGPrelated contaminants. Additional excavations were conducted to remove impacts identified during excavations.
 - Post excavation confirmation sampling demonstrated that the remedy met this RAO.

4. Institutional Control Plan Compliance Report

4.1 Institutional Control Requirements

The institutional controls set forth by the SMP are as follows:

- Annual inspection and certification by a New York State-Licensed Professional Engineer to confirm that the land use restrictions specified in the RAWP for the Site are being complied with, and that the engineering and institutional controls specified in the RAWP are in place and remain effective to control the risk of potential exposure to subsurface residual contamination by users of Starlight Park, Parks Department employees, or permittees.
- Notification to the NYSDEC prior to any action that could jeopardize the integrity of the completed Remedial Action (RA) construction activities, including excavation work below the clean fill cover and demarcation barrier installed at the Site as part of RA construction activities.
- A prohibition on the use of the Site for any purpose other than a public park without the prior written approval of the NYSDEC.
- A prohibition on the development of water supply or irrigation wells on the Site
- Implementation of a NYSDEC-approved Soil Management Plan for intrusive work performed below the clean fill cover and demarcation barrier installed at the Site. This Soil Management Plan can be found in the SMP.

The institutional controls only apply to the area within the boundary of the former MGP footprint and any areas outside the MGP footprint boundary for which the excavation of contaminated soil and installation of an underlying demarcation barrier was required as part of the RA construction activities. A detailed description of the institutional controls is provided in Sections 3, 4, and 5 of the SMP.

4.2 Institutional Control Compliance

The clean fill cover was inspected to determine if any disruption was made including erosion or any other disturbances. The final surface elevation of the surface cover was surveyed by the NYSDOT contractor prior to the start of construction of the turf playing surface to confirm the surface elevation had not changed since completion of the site remedy. The construction drawings showing the final elevations of the turf playing surface are provided in **Appendix B.** The elevation of the playing field was installed to meet these drawings. As-built drawings from the NYSDOT Contractor will be submitted to the NYSDEC upon receipt. Based on the periodic

OPERABLE UNIT 1 PERIODIC REVIEW REPORT CONSOLIDATED EDISON COMPANY EAST 173RD STREET WORKS FORMER MGP SITE AUGUST 17, 2018

inspections and elevation data provided, the thickness of the cover has not changed. There was no further construction at the Site in the area of the site cover during this monitoring period.

During site visits, it was confirmed that the Site is being used as a public park in the manner specified in the NYCDPR's Starlight Park reconstruction plan and irrigation or water wells have not been installed on-site.

The Site is still owned by the City of New York. A post remediation agreement exists between NYCDPR and Con Edison.

4.2.1 Site Inspection

A periodic review inspection was conducted by Con Edison and GEI on August 15, 2018. Photographs of the site conditions during the site walk are included in **Appendix A**. A copy of the Annual Inspection and Certification Checklist is included in **Appendix C**. A copy of the NYSDEC Institutional and Engineering Controls Certification Form is included in **Appendix D**. Evidence of minor surface erosion was noted in vegetated areas of the site. The minor erosion noted does not affect the integrity of the clean soil cover system at the site.

The NYC DDC contractor was on-site completing construction of the boathouse and design of the comfort station for the park is ongoing (**Figure 4**). The boathouse is located in the southern section of the park in an area outside of the remediation area and the clean soil cap. No intrusive work has been conducted within the limits of the remediation area and the clean soil cover for the boathouse construction. Active construction of the boathouse was occurring during the August 15, 2018 site inspection.

4.2.2 NYC DDC Comfort Station Construction Activities

Con Edison has met with the NYC DDC regarding the proposed comfort station construction. The comfort station was originally planned within the limits of the clean soil cover and Con Edison provided NYC DDC copies of all applicable reports and figures for their use in the design of the comfort station. NYC DDC has relocated the proposed location of the comfort station outside of the remediation area north of the limits of the clean soil cover. The original proposed location of the comfort station and the new proposed location of the comfort station are included in **Figure 4**. NYC DDC has been asked to submit the draft plans for the comfort station to Con Edison for review when they are available.

Future utility work may be conducted along the western boundary of the limits of the clean soil cover for the installation of the comfort station. Con Edison will coordinate with NYC DDC to ensure that work within the limits of the clean soil cover complies with the requirements of the SMP.

4.2.3 Future Soil Management Plan Compliance

During any intrusive activities, on-site compliance with the SMP will be monitored by Con Edison. The Greenways Project portion of the site construction is completed at this time. NYC DDC is continuing construction of the boathouse on the Site and is preparing to go out to bid for the construction of the comfort station. Con Edison will evaluate the proposed construction plans, when available, and notify the NYSDEC if the construction will impact the remedy.

5. Monitoring Plan Compliance

5.1 Post-Remedial Groundwater Monitoring Plan

After the NYSDEC determined that the required RA construction activities had been properly completed, Con Edison performed periodic groundwater sample collection from on-site monitoring wells to evaluate and document the improvement of groundwater quality. A detailed description of the post-remedial groundwater monitoring is provided in Section 2 of the SMP.

Ten on-site monitoring wells were periodically sampled after the completion of the RA construction activities. Groundwater samples were collected from these monitoring wells semi-annually for two years, starting in April 2008 and ending in April 2010 when the wells were decommissioned with NYSDEC approval during the reconstruction of Starlight Park. The results of the groundwater monitoring program were summarized in the September 2011 Periodic Review Report.

5.1.1 Future Groundwater Monitoring

No future groundwater monitoring is planned for the Site. Groundwater monitoring wells were decommissioned with NYSDEC approval in April 2010.

6. Conclusions and Recommendations

The requirements of the SMP were met during site activities during the reporting period (August 16, 2017 to August 16, 2018).

6.1 Institutional Controls

The institutional controls established in the SMP and described above in subsection 4.1 were complied with during the reporting period.

- An annual inspection and certification by a New York State-Licensed Professional Engineer was completed on August 15, 2018 to confirm that the land use restrictions specified in the RAWP for the Site are being complied with, and that the engineering and institutional controls specified in the RAWP are in place and remain effective to control the risk of potential exposure to subsurface residual contamination by users of Starlight Park, Parks Department employees, or permittees.
- The Site continues to be used as a public park.
- No water supply or irrigation wells have been installed on the Site.
- The boathouse construction work implemented during the reporting period did not trigger the requirements of the Soil Management Plan.

6.2 Periodic Groundwater Monitoring

Groundwater monitoring was completed in accordance with the requirements of the RAWP and SMP. The analytical data from the four sampling events showed no impact from site MGP-related contaminants. The requirement to complete a minimum of four periodic sampling events was met during the reporting period and groundwater monitoring was discontinued. Based on the lack of MGP-related contaminants in groundwater, this no longer represents a potential exposure pathway at the Site.

The groundwater monitoring wells were decommissioned with NYSDEC approval in April 2010.

6.3 Performance and Effectiveness of the Remedy

The periodic groundwater monitoring program has demonstrated that the source of groundwater contamination at the site has been removed.

The institutional controls have proved effective in preventing uncontrolled exposure to material below the demarcation barrier. During the completed NYSDOT Greenways Project construction, workers did not come into contact with materials below the demarcation barrier.

6.4 Future Periodic Review Report Submittals

Future PRR submittals will occur on an annual basis until all construction activities on-site are completed. At that time, the frequency of the PRR submittals will be re-evaluated.

References

Consolidated Edison Company of New York, Inc., 2010. Well Abandonment Summary East 173rd Street Former Manufactured Gas Plant, Bronx, New York Site ID: V00552. May 19, 2010.

GEI Consultants, Inc., 2003a. Focused Remedial Investigation, East 173rd Street Works, Bronx, New York. April 2003.

GEI Consultants, Inc., 2003b. Supplemental Remedial Investigation Work Plan dated August 28, 2003.

GEI Consultants, Inc., 2004a. Supplemental Remedial Investigation, East 173rd Street Works, Bronx, New York – Data Summary Report. April 16, 2004.

GEI Consultants, Inc., 2004b. Remedial Action Work Plan, East 173rd Street Works (Starlight Park), Operable Unit No. 1 (OU-1), Bronx, New York Site ID: V00552. August 24, 2004.

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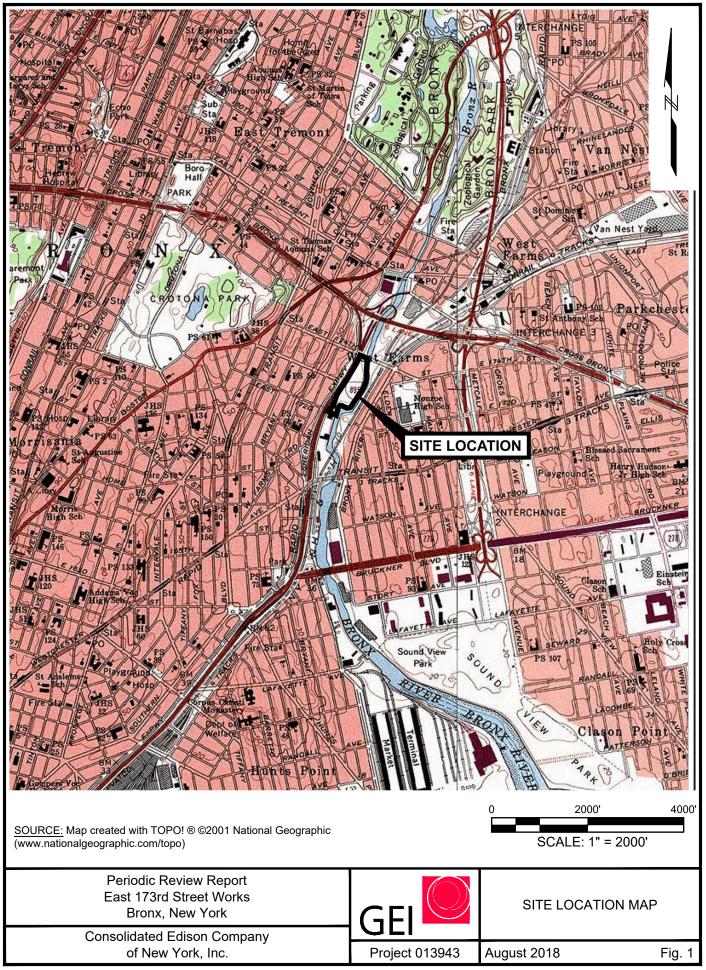
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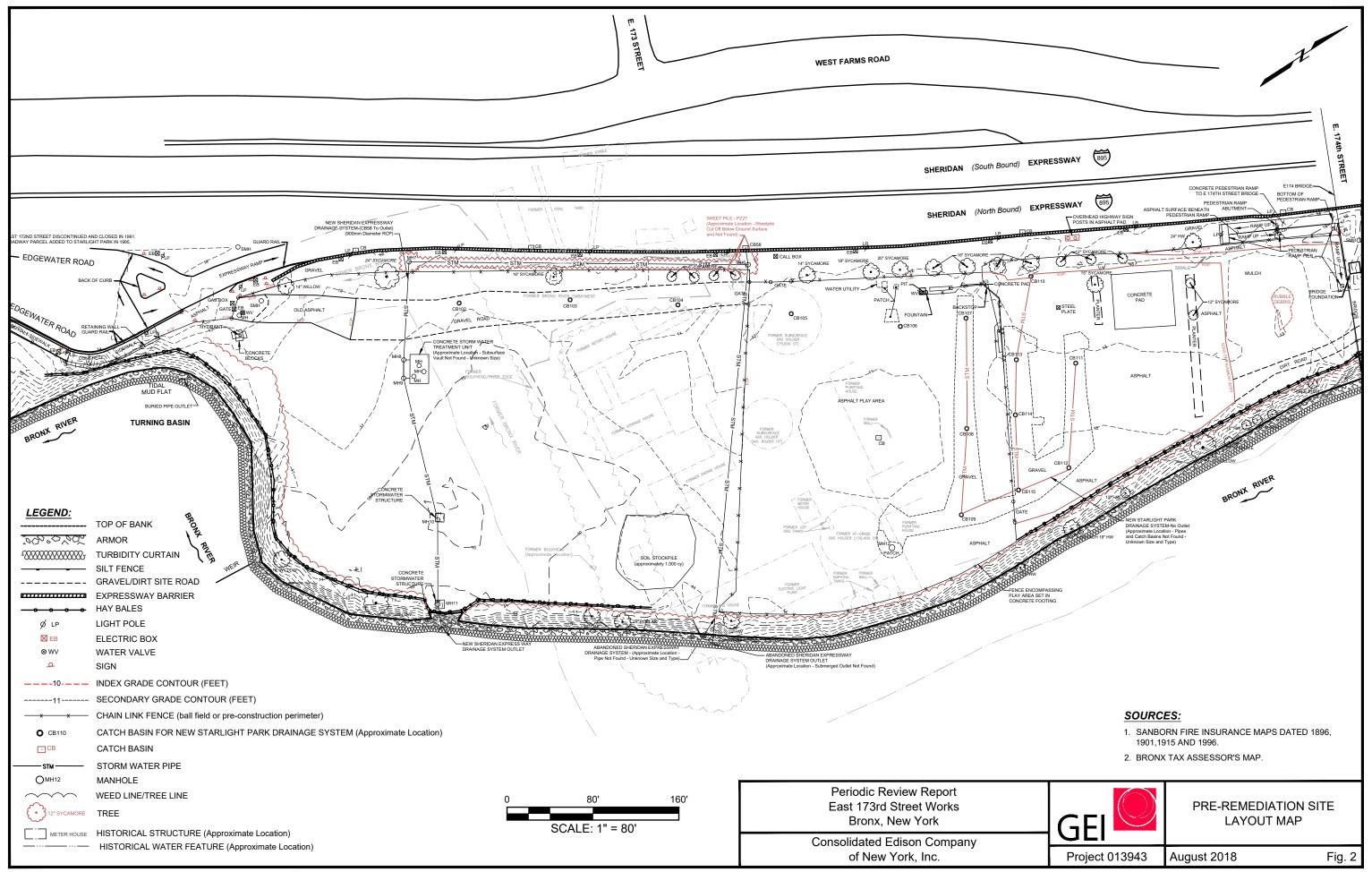
GEI Consultants, Inc., 2010. Operable Unit No. 1 Remedial Action Report, East 173rd Street Works, Bronx, New York Site ID: V00552. March 15, 2010.

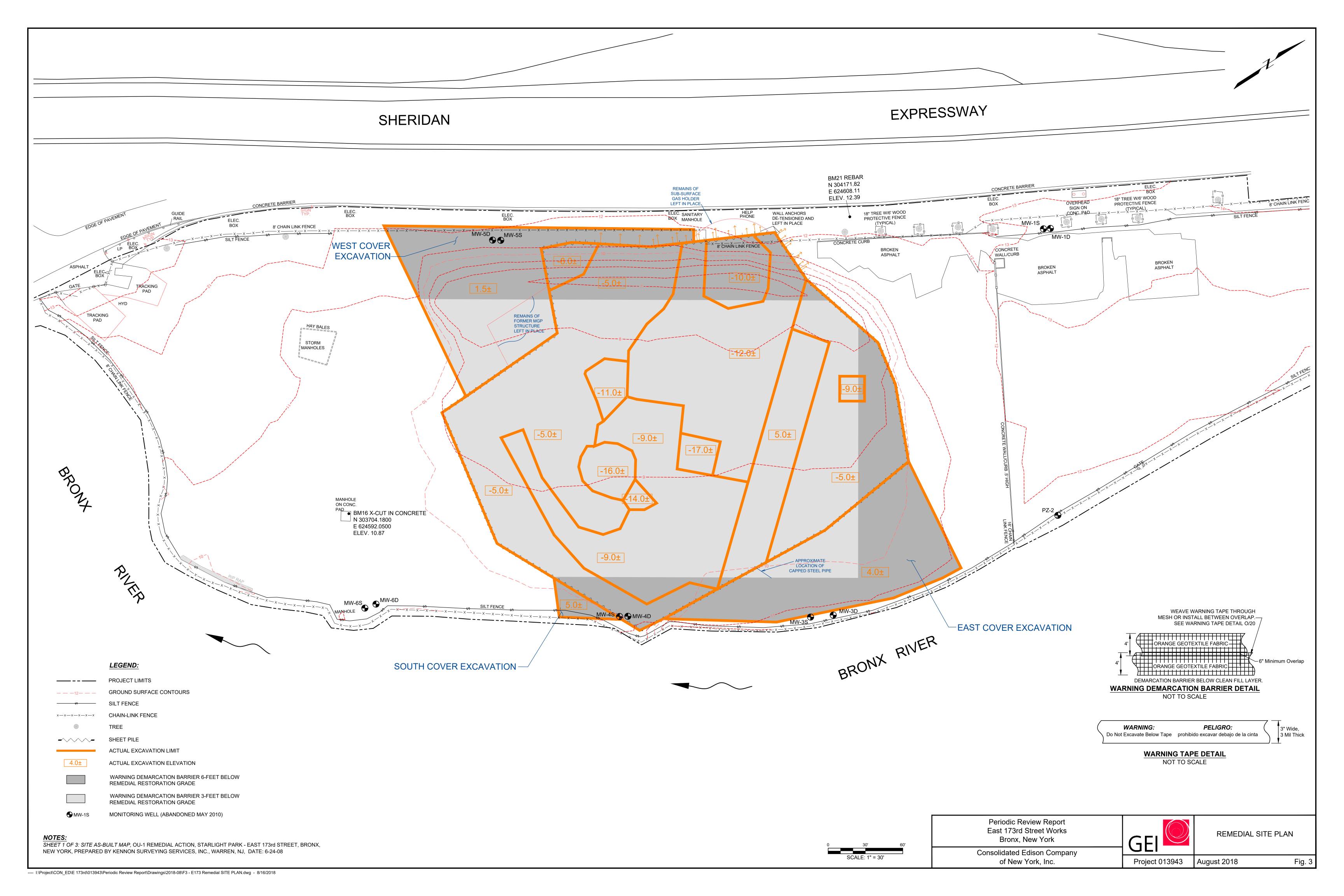
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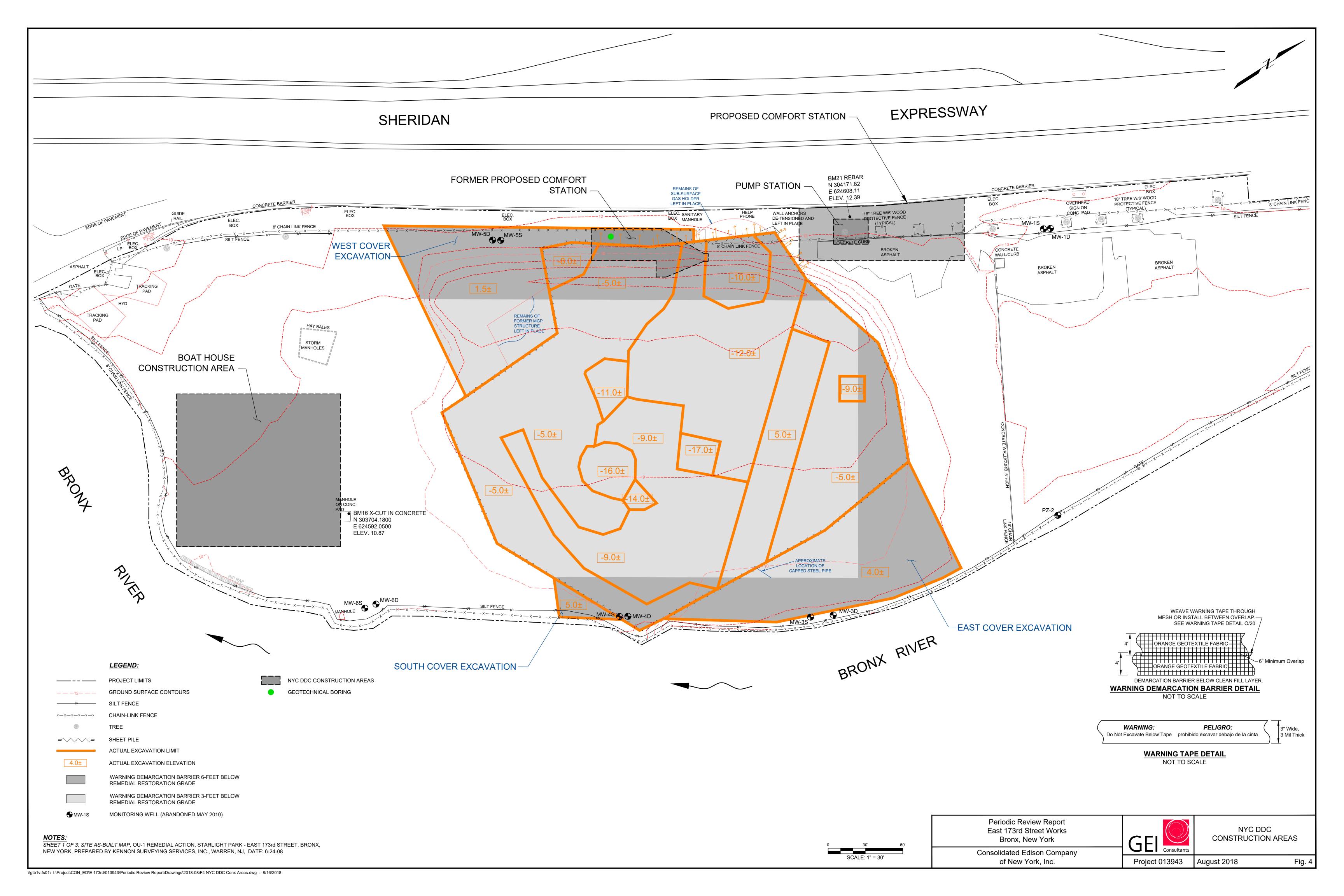
OPERABLE UNIT 1 PERIODIC REVIEW REPORT CONSOLIDATED EDISON COMPANY EAST 173RD STREET WORKS FORMER MGP SITE AUGUST 17, 2018

Figures









OPERABLE UNIT 1 PERIODIC REVIEW REPORT CONSOLIDATED EDISON COMPANY EAST 173RD STREET WORKS FORMER MGP SITE AUGUST 17, 2018

Appendix A

Photo Documentation

Appendix A
Photo Documentation
East 173rd Street Works Former MGP Site (Starlight Park)



PHOTOGRAPH 1
August 2017 Site Conditions



PHOTOGRAPH 2
August 2017 Site Conditions

Appendix A
Photo Documentation
East 173rd Street Works Former MGP Site (Starlight Park)



PHOTOGRAPH 3
August 2017 Site Conditions



PHOTOGRAPH 4
August 2017 Site Conditions

Appendix A
Photo Documentation
East 173rd Street Works Former MGP Site (Starlight Park)



PHOTOGRAPH 5
August 2018 Site Conditions



PHOTOGRAPH 6
August 2018 Site Conditions

Appendix A
Photo Documentation
East 173rd Street Works Former MGP Site (Starlight Park)



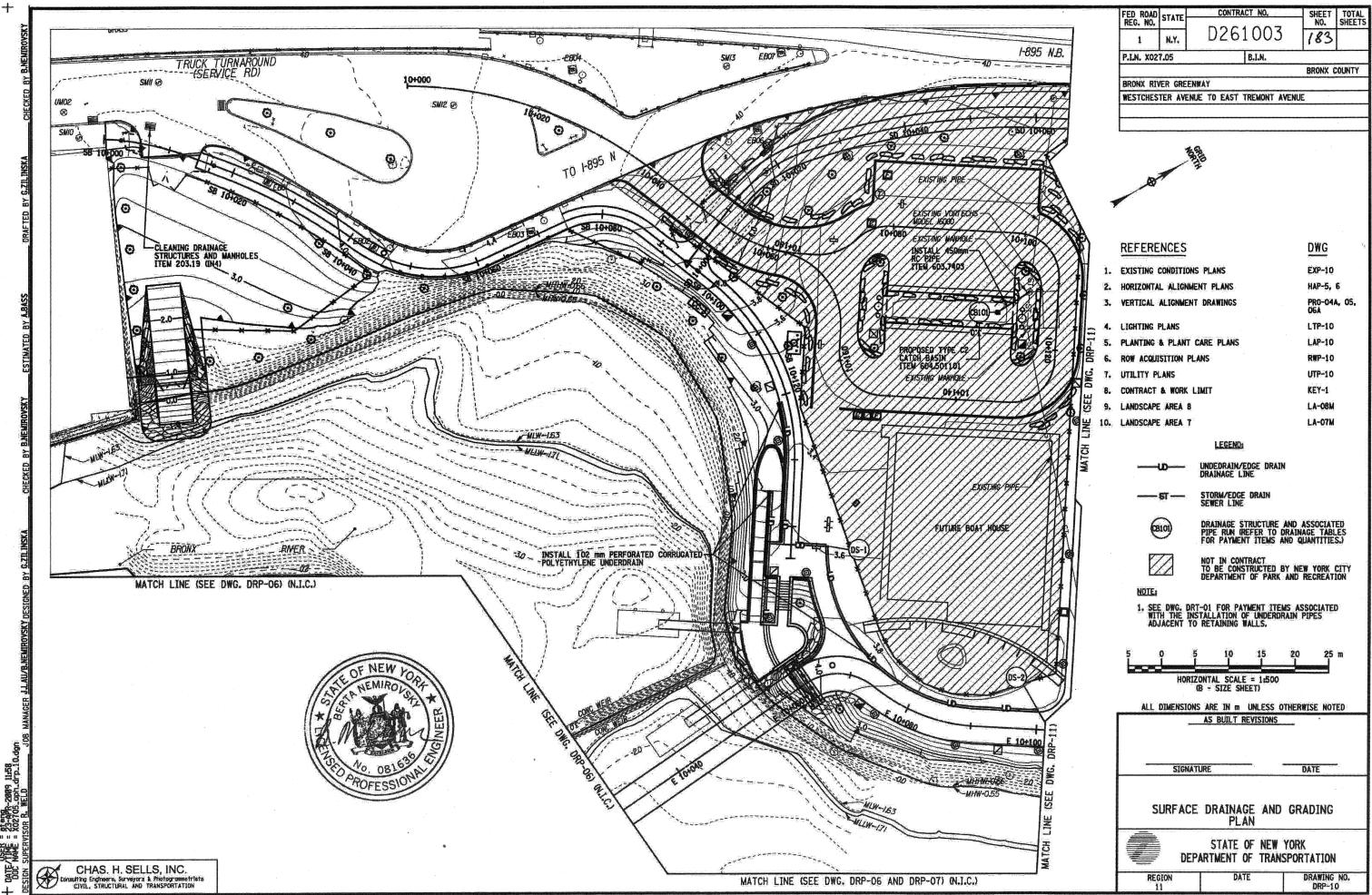
PHOTOGRAPH 7 August 2018 Site Conditions

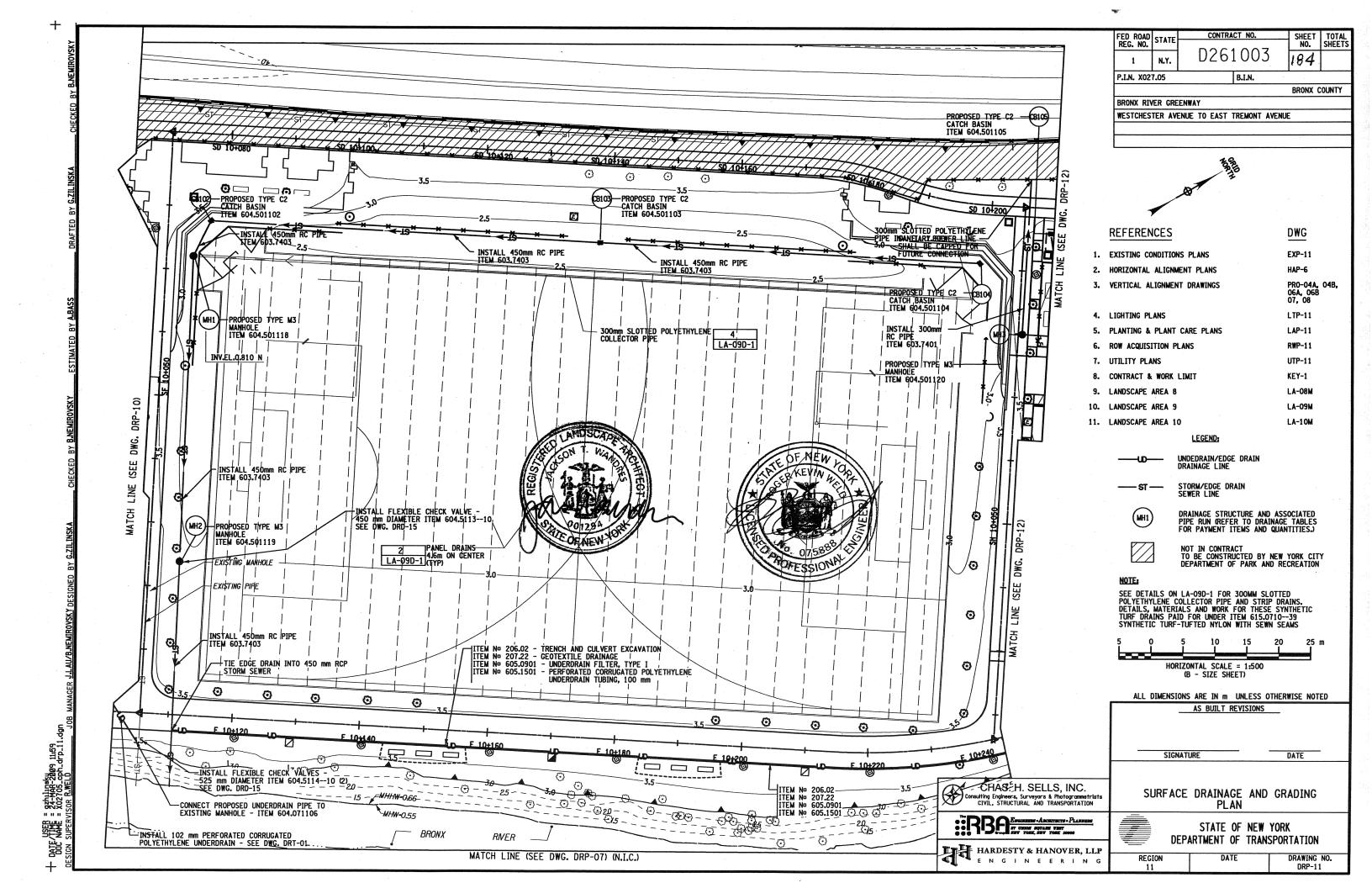


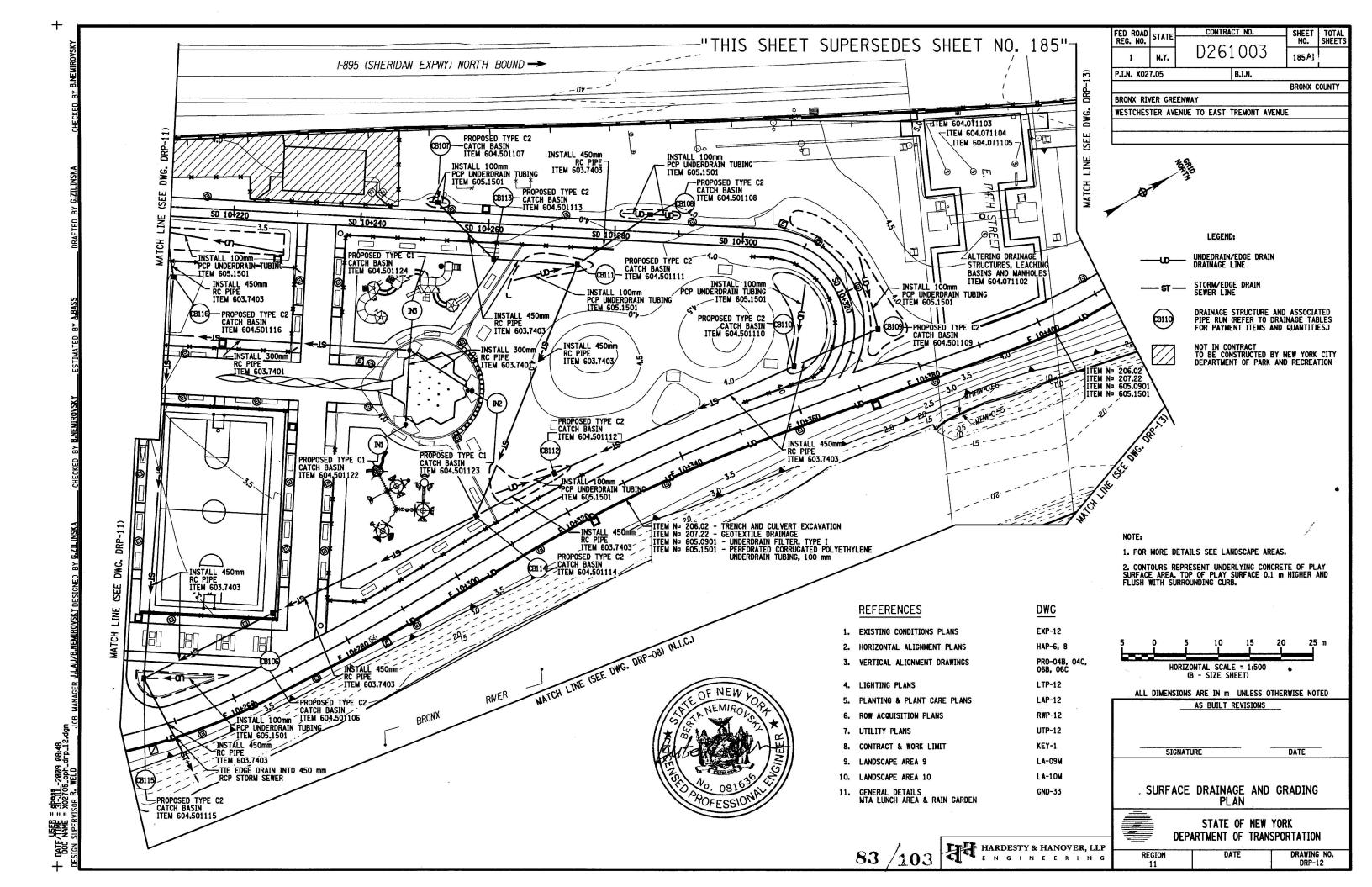
PHOTOGRAPH 8
August 2018 Site Conditions

Appendix B

NYSDOT Construction Drawings







Appendix C

Annual Inspection and Certification Checklist

Starlight Park

Bronx, New York
NYSDEC VCA Index No. 02-0003-02-08 Site No. V00522-2

ANNUAL INSPECTION AND CERTIFICATION CHECKLIST

Date: Inspector (Professional Engineer): Weather Conditions:		August 15, 2018 Matthew J. O'Neil, P.E. 85°F, Sunny												
							Ins	spection (Annually)						
							1.	Inspection of entire clean fill cover sy visual inspection and survey.)	stem completed. (Includin	g	\boxtimes	Yes		No
Su	rvey previously conducted by NYSDO	T Contractor during Green	way Pr	oject	Constru	ction.								
En	gineered Control													
2. Are there any animal burrows greater than 6 inches relative to the surrounding grade noted within the limits of the clean fill cover? ☐ Yes* ☐ No				No										
	Describe:													
des	If yes, describe location, diameter, and depth. Burrow holes shall be repaired following the cover system design criteria and using similar materials as the system in place. Certification of the repair will be made by a New York-Licensed Professional Engineer. 3. Are there any areas of settlement and/or erosion and/or unauthorized excavations or protrusions greater than 6 inches within the area of the clean fill cover system relative to the as-built surface grade of the cover?													
	Describe:													
If yes, describe location, size, and amount of settlement. Repair engineering control deficiencies using cover system design criteria and using similar materials as the system in place. Certification of the repair will be made by a New York-Licensed Professional Engineer.														
<u>Pa</u>	rk-Wide Inspection													
4.	Are the Park cover materials (e.g., but area of the clean fill cover system dark			Yes		\boxtimes	No							
	Describe:													
5.	Have irrigation or drinking water well Park?	ls been installed in the		Yes	*	\boxtimes	No							
	Describe:													

Land	Use	Changes
		_

6.	Is the current land use of the area within the limits cover fill system being used as a public park?	of the clean	\boxtimes	Yes		No
If	no, describe:					
7.	If applicable, is an environmental easement on file Division of Records of the New York City Registra			Applicable	\boxtimes	Not Applicable
If a	pplicable, confirm easement and any amendments a	re properly reco	orded.			
Pro	vide the following information for the recorded ease	ement.				
Pag	ok Number: ge Number:					
Dat	e easement was filed in Registrar's office:					
	ye any amendments and/or additional filings been re y modify or supersede the easement?	ecorded that		Yes		No
If	Yes, explain:					
8.	thorized Excavations Where any authorized excavations conducted at the the last year? vide a brief description of the authorized excavation well as the authorized work plan or notification date	n to include the	specif	Yes ic location and	⊠ d date	No of the work
Des	rrective Actions scription and scheduled date of any required correction and repair, unauthorized excavation repair). or items that are checked, notify Consolidated Edison	`		•		repair,
Rev	pector's Signature: wiewed by: mit Inspection Reports to:	JOMe 20 Fett	<u></u>	Date: <u>8</u> /		18
Suo	Submit Inspection Reports to: Site Plan Attached					

Consolidated Edison of New York, Inc. Mr. Richard Rienzo, P.E. 31-01 20th Avenue/Building 136, 2nd Floor Long Island City, New York 11105-2048

Appendix D

Institutional and Engineering 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	Site Details No. V00552	Box 1		
Site	Name CE - E. 173rd St Bronx Works			
City Cou	Address: West Farms Rd.& Bronx River Zip Code: 10460 v/Town: Bronx unty: Bronx Acreage: 10.0			
Rep	porting Period: August 16, 2017 to August 16, 2018			
		YES	NO	
1.	Is the information above correct?	X	C	
•	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?	1	X	
3.	Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	C	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?	C:	X	
		Box 2		
		YES	NO	
6.	Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	X	[
7	Are all ICs/ECs 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 C	corrective Measures Work Plan must be submitted along with this form to address	these iss	sues.	
Sig	nature of Owner, Remedial Party or Designated Representative Date			

SITE NO. V00552 Box 3

Description of Institutional Controls

Parcel 30190100 Owner

NYC Dept. of Parks and Recreation

Institutional Control

Soil Management Plan

Site Management Plan

Land use restriction to restricted residential, specifically a park, unless approved by the Department. Groundwater use restriction unless approved by the Department. Maintenance of a three and six foot deep clean soil cover with a soil management plan if excavation is required underneath that. Soil vapor intrusion study and soil vapor mitigation if necessary, when buildings are constructed on the site. Annual certification with reporting of site activities.

All site management and land and groundwater use restrictions are enforced via an MOU between the property owner (NYC Dept. of Parks and Recreation) and the responsible party (Con Edison). This control was in considered in place when the Department approved the Site Management Plan which included the MOU.

Box 4

Description of Engineering Controls

<u>Parcel</u> 30190100 **Engineering Control**

Cover System

Box	5

Periodic Review Report (PRR) Certification Statement	ents	
I certify by checking "YES" below that:		
 a) the Periodic Review report and all attachments were pre- reviewed by, the party making the certification; 	epared under the direction of, and	
b) to the best of my knowledge and belief, the work and co are in accordance with the requirements of the site remedia	al program, and generally accepted	ation 1
engineering practices; and the information presented is accurate	e and compete. YES NO	
	X D	
If this site has an IC/EC Plan (or equivalent as required in the Deor Engineering control listed in Boxes 3 and/or 4, I certify by chec following statements are true:	cision Document), for each Institut king "YES" below that all of the	onal
(a) the Institutional Control and/or Engineering Control(s) essence the date that the Control was put in-place, or was last		
(b) nothing has occurred that would impair the ability of surthe environment;	ch Control, to protect public health	and
(c) access to the site will continue to be provided to the Deremedy, including access to evaluate the continued mainte		
(d) nothing has occurred that would constitute a violation of Site Management Plan for this Control; and	r failure to comply with the	
(e) if a financial assurance mechanism is required by the of mechanism remains valid and sufficient for its intended pur		
	YES NO	
	X O	
IF THE ANSWER TO QUESTION 2 IS NO, sign and DO NOT COMPLETE THE REST OF THIS FORM.		
A Corrective Measures Work Plan must be submitted along with t	his form to address these issues.	
	-	

IC CERTIFICATIONS SITE NO. V00552

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.

1 Richard Rienzo at 31-	.0120th Ave Astoria NY11105
print name	print business address
am certifying as Consolidated Edison	Co. of Ny (Owner or Remedial Party)
for the Site named in the Site Details Section of the	nis form.
Veck Vienz	8/15/18
Signature of Owner Remedial Party, or Designat Rendering Certification	ed Representative /Date /

IC/EC CERTIFICATIONS

Box 7

dial Party

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.

Matthew J. O'Neil, P.E. at 5586 Post Road, East Greenwich, RI 02818 print name print business address

am certifying as a Professional Engineer for the Remedial Party

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

(Required for PE