

# Contaminated Materials Supporting Documentation

## APPENDIX K





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## Appendix K. Contaminated Materials Supporting Documentation

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## Appendix K. Contaminated Materials Supporting Documentation

### K.1 SANBORN MAP, ENVIRONMENTAL RECORDS REVIEW, AND DIRECTORY REVIEW TABLES

**Table K-1. Hunts Point Sanborn Map Review**

Year	Observation
1896-1903	<p><b>Site:</b> The Site is generally undeveloped. The NY New Haven railroad runs through the north end of the Site intersecting Hunt's Point Avenue. There is a small building labeled Hunt's Point Depot (former Hunt's Point Station) at the northwestern edge of the Site and two small 2-story residential buildings to the south.</p> <p><b>Surrounding Properties:</b> Surrounding area appear generally undeveloped. There is one unlabeled building southeast of the site and a stable across the railroad tracks</p>
1915	<p><b>Site:</b> The Hunt's Point Station is developed and now runs along Hunt's Point Avenue, perpendicular to the railroad tracks. A small building has been developed on the corner of Hunt's Point Avenue and Garrison Avenue.</p> <p><b>Surrounding Properties:</b> A small Synagogue &amp; School has been developed west of the Site. South of the Site has been developed into a residential area flanking Hunt's Point Ave and other adjacent streets. Residential buildings appear to be 1-story.</p>
1950	<p><b>Site:</b> The former Hunt's Point Station appears to be no longer in use though the building remains. A small carpentry service building has been set up in the southeast section of the Site.</p> <p><b>Surrounding Properties:</b> Generally, the area is much more developed, with businesses and apartments now flanking the NY New Haven Railroad on the north and south Sides. Northwest of the Site along Bruckner Blvd. Several auto sales buildings and one Auto Repair building/ filling station has been developed near the Site on Bruckner Blvd. North of the Site at the intersection of Hunt's Point Rd and Bruckner Blvd an auto lubrication and filling station has been developed. Northeast of the Site along Bruckner Blvd three filling stations and four auto service stations have been developed. East of the Site two auto repair services have been developed and 1 welding shop. West of the Site along Garrison Avenue one auto service shop has been developed and a stone yard has been developed near the intersection of Garrison Ave and Barreto Ave.</p>
1977-1985	<p><b>Site:</b> Site appears generally unchanged from previous drawings.</p> <p><b>Surrounding Properties:</b> North of the railroad the Bruckner Expressway has been developed. All buildings that once bordered the railroad on the north side appear demolished. The auto repair shop previously located east of the Site along Garrison Ave no longer appears. The former stone yard is now an autobody shop. Directly south of the Site, at approximately 882 Hunt's Point Ave, a Dry Cleaner service has been established.</p>
1986-1989	<p><b>Site:</b> Site appears generally unchanged from previous drawings.</p> <p><b>Surrounding Properties:</b> The auto repair shop at the intersection of Faile Street and Garrison Ave is demolished in 1986 and a new larger Auto Repair building is built by 1989. In 1989 a new auto repair shop is built west of the Site, along Garrison Ave, near the intersection of Manida Street.</p>
1991-1994	<p><b>Site:</b> An auto repair shop has been built near the intersection of Hunt's Point Ave and Garrison Ave in the southwest corner of the Site.</p> <p><b>Surrounding Properties:</b> Surrounding properties appear generally the same as previous drawings.</p>
1995-2002	<p><b>Site:</b> The autobody shop on the eastern side of the Site along Garrison Ave is no longer present.</p> <p><b>Surrounding Properties:</b> Surrounding properties appear generally the same as previous drawings.</p>
2003-2007	<p><b>Site:</b> Site appears generally unchanged from previous drawings.</p> <p><b>Surrounding Properties:</b> All buildings along Garrison Ave, west of the intersection of Garrison Ave and Manida Street appear to have been demolished, including 3 auto repair shops.</p>



## Appendix K. Contaminated Materials Supporting Documentation

**Table K-2. Hunts Point Environmental Records Review**

Database Name	Minimum Search Radius (Miles)	Site Listed	Sites Within Search Radius
<b>Federal Databases</b>			
National Priorities Listing (NPL) – Environmental Protection Agency (EPA) Superfund	1		0
US EPA Delisted NPL Database	0.5		0
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)	0.5		0
Comprehensive Environmental Response, Compensation and Liability Information System – No Further Remedial Action Planned (CERC – NFRAP)	0.5		0
Resource Conservation and Recovery Information System - Treatment, Storage, or Disposal Facilities (RCRIS-TSD)/RCRIS Corrective Action Activity (CORRACTS)	1		1
USEPA RCRA Non-CORRACTS Treatment, Storage, and/or Disposal Database	0.5		1
RCRA – Large Quantity Generators	0.25		0
RCRA – Small Quantity Generators	0.25		3
RCRA – Conditionally Exempt Small Quantity Generators/Non Generators	0.25		5
USEPA Institutional Control/Engineering Control Database	0.5		0
USEPA Emergency Response Notification System (ERNS) Database	0		0
<b>New York State Databases</b>			
New York State Department of Environmental Conservation State Hazardous Waste Disposal Sites (SHWS) Database	1		2
NY Vapor Reopened	1		0
NY SWF/LF – Solid Waste Facility/Landfill Facility	0.5		16
NY LTANKS – Leaking Storage Tanks Incident Reports	0.5		42
UST/HIST UST – New York Registered UST Facility Database	0.25		13
AST/HIST AST – New York Registered Aboveground Storage Tank Database	0.25		90
NY MOSF AST/UST/ NY MOSF – New York Major Oil Storage Facilities Database	0.5		0
New York Registered Chemical Bulk Storage UST/AST Facility Database	0.25		0
NY Engineering/Institutional Controls	0.5		2
NY VCP – NYSDEC Voluntary Cleanup Agreements Database	0.5		2
BROWNFIELDS – New York Brownfields Database	0.5		3
NY Spills – New York State Hazardous Material and Petroleum Product Spills	0.125		28
NY HSWDS – New York Hazardous Substance Waste Disposal Sites	0.5		0
NY Dry Cleaners	0.25		3
NY Manifest	0.25		79
NY Coal Ash	0.5		0
E-Designation Sites	0.125		10
EDR MGP – EDR Proprietary Manufactured Gas Plant Database	1		1
EDR US Historic Auto Station	0.125		1
EDR US Historic Dry Cleaners	0.125		2



**Table K-3. Hunts Point City Directory Review**

<b>Year</b>	<b>Address</b>	<b>Listing</b>
1961-1993	1112 Garrison Avenue	H & D Elec Co Inc. Electrical Contractors
1961-1976	1101 Garrison Avenue	Laykas Farms Inc.
2005	1102 Garrison Avenue	All Boroughs Auto Glass
1927	1108 Garrison Avenue	Mortonsam Tire & Battery Service
1940	1114 Garrison Avenue	Fromer H Dairy Prods
2010	901 Hunts Point Avenue	All Boro Auto Glass
2005	901 Hunts Point Avenue	Bronx Glass & Lights 11 R
1961	882 Hunts Point Avenue	Marke Paintg & Decorating Co.

**Table K-4. Parkchester-Van Nest Sanborn Map Review**

Year	Observation
1898-1908	<p><b>Site:</b> The majority of the Site appears to be undeveloped with several residential buildings built in the southwest corner. The NY New Haven &amp; Hartford Railway bisects the Site. A water tank exists on site northeast of the intersection of Union Port Road and West Farms Road (Westchester Ave.). By 1908 several hydrants are installed in the intersection of West Farm Rd and Union Port.</p> <p><b>Surrounding Properties:</b> North of the Site is open land with a train turn table. Directly west of the site is a large NY New Haven &amp; Hartford Railroad Co rail yard. This includes a station and platform labeled "Van Nest". Additionally, east of the Site there appears to be some freight storage. West and south of the site has been developed with scattered residential buildings. Southeast is a school of some kind.</p>
1919-1929	<p><b>Site:</b> Site appears generally unchanged from previous drawings.</p> <p><b>Surrounding Properties:</b> North of the Site in the Van Nest Rail Yard a coal yard has been established. A tunnel has been built under the railroad east of the site presumably for foot traffic. Additionally, the train turn table has been removed.</p>
1950-1969	<p><b>Site:</b> Site has changed significantly. Two filling and auto repair stations flank either side of Unionport Rd adjacent to the railroad tracks. The filling station west of Unionport Rd has 6 gas tanks listed onsite. Adjacent to the eastern filling station is an Auto Laundry facility. A large multipurpose space has been built in the southern section of the Site and extends beyond the Site's borders. Functions for this building includes a movie theater, bowling alley and 3 office spaces. The Van Nest Station of the railroad has been demolished and the freight storage is no longer present.</p> <p><b>Surrounding Properties:</b> Directly north of the Site at the fork of White Plains Rd and Unionport Rd an Auto Repair facility has been built. Northeast of the site the coal yard has been developed with coal pockets and 4 tanks which appear to store coal product. East of the Site the school is no longer present and has been developed into three 8-story apartment buildings. South of the Site has been developed into the aforementioned multipurpose building including a movie theater. West of the site has been developed into residential area and two auto repair facilities on Tremont Avenue.</p>
1977-1983	<p><b>Site:</b> An additional filling station has been developed in the southeast corner of the Site.</p> <p><b>Surrounding Properties:</b> The coal yard north of the Site has been developed into a control/switch yard by Con Edison and includes a substation. East of the Site another filling station has been developed on E. Tremont Ave across from the previous 2. In 1981 an additional Auto Repair shop was developed on the corner of White Plains Road and Tremont Ave.</p>
1986-1991	<p><b>Site:</b> The filling station in the northeast corner of the Site, adjacent to the Auto Laundry is no longer present.</p> <p><b>Surrounding Properties:</b> The Auto Repair and Service on the south corner of White Plains Ave and Tremont Ave is no longer present. Additionally, the auto repair service Directly north of the Site at the fork of Unionport and White Plains Rd is no longer present. By 1988, the large rail yard appears North of the Site appears to have been reclaimed. The rail road itself appears unchanged.</p>
1992	<p><b>Site:</b> Site appears generally unchanged from previous drawings.</p> <p><b>Surrounding Properties:</b> The remaining auto repair facility on the south side of Tremont Ave, east of the Site was no longer present.</p>
1993-2007	<p><b>Site:</b> Site appears generally unchanged from previous drawings.</p> <p><b>Surrounding Properties:</b> Surrounding properties appear generally unchanged from previous drawings.</p>



**Table K-5. Parkchester-Van Nest Environmental Records Review**

Database Name	Minimum Search Radius (Miles)	Site Listed	Sites Within Search Radius
<b>Federal Databases</b>			
National Priorities Listing (NPL) – Environmental Protection Agency (EPA) Superfund	1		0
US EPA Delisted NPL Database	0.5		0
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)	0.5		0
Comprehensive Environmental Response, Compensation and Liability Information System – No Further Remedial Action Planned (CERC – NFRAP)	0.5		0
Resource Conservation and Recovery Information System - Treatment, Storage, or Disposal Facilities (RCRIS-TSD)/RCRIS Corrective Action Activity (CORRACTS)	1		0
USEPA RCRA Non-CORRACTS Treatment, Storage, and/or Disposal Database	0.5		0
RCRA – Large Quantity Generators	0.25		1
RCRA – Small Quantity Generators	0.25		2
RCRA – Conditionally Exempt Small Quantity Generators/Non Generators	0.25		0
USEPA Institutional Control/Engineering Control Database	0.5		0
USEPA Emergency Response Notification System (ERNS) Database	0		0
<b>New York State Databases</b>			
New York State Department of Environmental Conservation State Hazardous Waste Disposal Sites (SHWS) Database	1		0
NY Vapor Reopened	1		0
NY SWF/LF – Solid Waste Facility/Landfill Facility	0.5		1
NY LTANKS – Leaking Storage Tanks Incident Reports	0.5		39
UST/HIST UST – New York Registered UST Facility Database	0.25		10
AST/HIST AST – New York Registered Aboveground Storage Tank Database	0.25		45
NY MOSF AST/UST/ NY MOSF – New York Major Oil Storage Facilities Database	0.5		0
New York Registered Chemical Bulk Storage UST/AST Facility Database	0.25		0
NY Engineering/Institutional Controls	0.5		0
NY VCP – NYSDEC Voluntary Cleanup Agreements Database	0.5		0
BROWNFIELDS – New York Brownfields Database	0.5		1
NY Spills – New York State Hazardous Material and Petroleum Product Spills	0.125		48
NY HSWDS – New York Hazardous Substance Waste Disposal Sites	0.5		0
NY Dry Cleaners	0.25		2
NY Manifest	0.25		61
NY Coal Ash	0.5		0
E-Designation Sites	0.125		0
EDR MGP – EDR Proprietary Manufactured Gas Plant Database	1		1
EDR US Historic Auto Station	0.125		3
EDR US Historic Dry Cleaners	0.125		3



**Table K-6. Parkchester-Van Nest City Directory Review**

<b>Date</b>	<b>Address</b>	<b>Listing</b>
2000-2014	1901 East Tremont Ave.	Parkchester Car Wash Inc.
1961-1983	1901 East Tremont Ave.	Smiling Jays Auto Industry



Table K-7. Morris Park Sanborn Map Review

Year	Observation
1898	<p><b>Site:</b> The Site is generally undeveloped. The site is bound by Eastchester Rd. to the north and Stony Brook flows through the area. One 1-story residential property is located at the southwest corner.</p> <p><b>Adjacent Sites:</b> Three 2-story residential buildings located on Ash St. south of Site.</p>
1908	<p><b>Site:</b> All buildings appear demolished. Undeveloped.</p> <p><b>Adjacent Sites:</b> All buildings appear demolished. Undeveloped.</p>
1919-1929	<p><b>Site:</b> Stony Brook appears culverted under the site area and six 1-story residential buildings developed in the center of site. By 1929, Morris Park Avenue is developed.</p> <p><b>Adjacent Sites:</b> Two residential buildings developed south of site on the corner of Loomis St. and Eastchester Rd.</p>
1950	<p><b>Site:</b> Generally, appears the same with addition of a "Shop" implied as an auto garage located in the northeast corner of the Site.</p> <p><b>Adjacent Sites:</b> A filling station has been developed directly east of the Site. South of the Site a filling station/auto repair, contractors yard, and private garage were developed. North of the site a Wire Works has been developed.</p>
1977	<p><b>Site:</b> A filling station has been built in the northwest corner of Site along Eastchester Rd. An auto repair and filling station have been built along the Eastchester Road south of Morris Park Avenue. Additionally, an auto repair and auto undercoat building has been built along the intersection of Bassett Ave and Morris Park.</p> <p><b>Adjacent Sites:</b> Albert Einstein College of Medicine has been developed across Eastchester Road on either side of Morris Park Avenue. Academic buildings south of Morris Park and Staff housing and multi-level parking north. Properties south of Site appear generally similar to past drawings. A car wash has been built directly adjacent north of the Site. Along Bassett Avenue north of the Site an Iron Works and two Iron Wards have been developed. Along Eastchester Road north of the Site a Diesel Motor Repair facility has been developed.</p>
1978	<p><b>Site:</b> Site appears generally unchanged from previous drawings.</p> <p><b>Adjacent Sites:</b> A tire storage area has been designated 10 lots north of the Site. Another Auto Repair Facility has been built six lots north of the Site. The former Iron Works north of the Site is now labeled "Stone Works".</p>
1981-1983	<p><b>Site:</b> Site appears generally similar to previous drawings.</p> <p><b>Adjacent Sites:</b> Neighboring properties appear similar to previous drawings. However, some areas south of Site are not included in drawing for the 1983 drawing.</p>
1986-1995	<p><b>Site:</b> Site appears generally similar to previous drawings with the exception of the demolished Autoshop in the northeast corner of the Site.</p> <p><b>Adjacent Sites:</b> Neighboring properties appear generally unchanged with the exception of London Foods building has been developed southeast (1986), the car wash has been removed and labeled as an office (1991), and an additional Auto Repair shop has been developed south of the tire storage area (1991).</p>
1996-2002	<p><b>Site:</b> Site appears generally similar to previous drawings with the exception of the Filling Station in the northeast corner of the Site being decommissioned (1996) and a Medical Center being built in the northern section of the Site adjacent to the existing Auto Repair facility.</p> <p><b>Adjacent Sites:</b> An additional Auto Repair shop was developed along Bassett Avenue about 14 lots from the Site. The Contractors Yard south of the Site and the Diesel Repair shop north of the site are no longer present.</p>
2002-2004	<p><b>Site:</b> Site appears generally similar to previous drawings.</p> <p><b>Adjacent Sites:</b> Auto Repair shop south of the Site along Eastchester Rd. is demolished a new building is labeled Auto Wash and Repair.</p>
2005-2007	<p><b>Site:</b> The Auto Repair shop located in the northeastern section of Site is no longer present and is now designated for commercial use.</p> <p><b>Adjacent Sites:</b> Neighboring properties appear similar to previous drawings.</p>

## Appendix K. Contaminated Materials Supporting Documentation

**Table K-8. Morris Park Environmental Records Review**

Database Name	Minimum Search Radius (Miles)	Site Listed	Sites Within Search Radius
<b>Federal Databases</b>			
National Priorities Listing (NPL) – Environmental Protection Agency (EPA) Superfund	1		0
US EPA Delisted NPL Database	0.5		0
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)	0.5		0
Comprehensive Environmental Response, Compensation and Liability Information System – No Further Remedial Action Planned (CERC – NFRAP)	0.5		0
Resource Conservation and Recovery Information System - Treatment, Storage, or Disposal Facilities (RCRIS-TSD)/RCRIS Corrective Action Activity (CORRACTS)	1		0
USEPA RCRA Non-CORRACTS Treatment, Storage, and/or Disposal Database	0.5		0
RCRA – Large Quantity Generators	0.25		5
RCRA – Small Quantity Generators	0.25		3
RCRA – Conditionally Exempt Small Quantity Generators/Non Generators	0.25		4
USEPA Institutional Control/Engineering Control Database	0.5		0
USEPA Emergency Response Notification System (ERNS) Database	0		0
<b>New York State Databases</b>			
New York State Department of Environmental Conservation State Hazardous Waste Disposal Sites (SHWS) Database	1		1
NY Vapor Reopened	1		0
NY SWF/LF – Solid Waste Facility/Landfill Facility	0.5		1
NY LTANKS – Leaking Storage Tanks Incident Reports	0.5		22
UST/HIST UST – New York Registered UST Facility Database	0.25		15
AST/HIST AST – New York Registered Aboveground Storage Tank Database	0.25		9
NY MOSF AST/UST/ NY MOSF – New York Major Oil Storage Facilities Database	0.5		0
New York Registered Chemical Bulk Storage UST/AST Facility Database	0.25		0
NY Engineering/Institutional Controls	0.5		0
NY VCP – NYSDEC Voluntary Cleanup Agreements Database	0.5		0
BROWNFIELDS – New York Brownfields Database	0.5		1
NY Spills – New York State Hazardous Material and Petroleum Product Spills	0.125		19
NY HSWDS – New York Hazardous Substance Waste Disposal Sites	0.5		1
NY Dry Cleaners	0.25		0
NY Manifest	0.25		38
NY Coal Ash	0.5		0
E-Designation Sites	0.125		0
EDR MGP – EDR Proprietary Manufactured Gas Plant Database	1		0
EDR US Historic Auto Station	0.125		3
EDR US Historic Dry Cleaners	0.125		0





**Table K-9. Morris Park City Directory Review**

<b>Date</b>	<b>Address</b>	<b>Listing</b>
2005	1413 Bassett Ave	Motor Sport Technologies Inc
1993	1380 Morris Park Ave	Albert Einstein College of Medicine

**Table K-10. Co-op City Sanborn Map Review**

Year	Observation
1897-1908	<p><b>Site:</b> The Site is made up of several residential and commercial buildings bordering the Harlem River Branch of the Railroad.</p> <p><b>Neighboring Sites:</b> To the south the site is bound by the railroad, and further south is a state park. Residential and commercial buildings bound the site</p>
1918	<p><b>Site:</b> The Site development appears demolished and the Pelham Bay Park Motel has been built along with several boat houses along the railroad. Looks almost like an EDR error mapping the site.</p> <p><b>Neighboring Sites:</b> Neighboring sites to the north also appear demolished, and northwest new development has begun.</p>
1935	<p><b>Site:</b> The Site is developed with several small residential properties.</p> <p><b>Neighboring Sites:</b> Across the railroad tracks to the south the Baychester Station has been developed. Several unspecified storage facilities and one Battery House have been built directly south as well.</p>
1950	<p><b>Site:</b> The Site is generally unchanged from previous drawings with the exception of demolition of a few smaller residential building within the subject area boundary.</p> <p><b>Neighboring Sites:</b> An Iron Works has been built directly west of the Site. A dynamite magazine was buried off the corner of Stillwell and Palmer.</p>
1976-1992	<p><b>Site:</b> The Site is generally unchanged from previous drawings.</p> <p><b>Neighboring Sites:</b> Directly west of the Site has been developed into a concrete open deck parking area. Other neighboring sites remain generally unchanged.</p>
1992-2007	<p><b>Site:</b> The Site is generally unchanged from previous drawings.</p> <p><b>Neighboring Sites:</b> The neighboring sites appear generally unchanged from previous drawings.</p>



**Table K-11. Co-op City Environmental Records Review**

Database Name	Minimum Search Radius (Miles)	Site Listed	Sites Within Search Radius
<b>Federal Databases</b>			
National Priorities Listing (NPL) – Environmental Protection Agency (EPA) Superfund	1		0
US EPA Delisted NPL Database	0.5		0
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)	0.5		0
Comprehensive Environmental Response, Compensation and Liability Information System – No Further Remedial Action Planned (CERC – NFRAP)	0.5		0
Resource Conservation and Recovery Information System - Treatment, Storage, or Disposal Facilities (RCRIS-TSD)/RCRIS Corrective Action Activity (CORRACTS)	1		0
USEPA RCRA Non-CORRACTS Treatment, Storage, and/or Disposal Database	0.5		0
RCRA – Large Quantity Generators	0.25		0
RCRA – Small Quantity Generators	0.25		0
RCRA – Conditionally Exempt Small Quantity Generators/Non Generators	0.25		0
USEPA Institutional Control/Engineering Control Database	0.5		0
USEPA Emergency Response Notification System (ERNS) Database	0		0
<b>New York State Databases</b>			
New York State Department of Environmental Conservation State Hazardous Waste Disposal Sites (SHWS) Database	1		3
NY Vapor Reopened	1		0
NY SWF/LF – Solid Waste Facility/Landfill Facility	0.5		1
NY LTANKS – Leaking Storage Tanks Incident Reports	0.5		16
UST/HIST UST – New York Registered UST Facility Database	0.25		1
AST/HIST AST – New York Registered Aboveground Storage Tank Database	0.25		1
NY MOSF AST/UST/ NY MOSF – New York Major Oil Storage Facilities Database	0.5		0
New York Registered Chemical Bulk Storage UST/AST Facility Database	0.25		0
NY Engineering/Institutional Controls	0.5		0
NY VCP – NYSDEC Voluntary Cleanup Agreements Database	0.5		0
BROWNFIELDS – New York Brownfields Database	0.5		0
NY Spills – New York State Hazardous Material and Petroleum Product Spills	0.125		7
NY HSWDS – New York Hazardous Substance Waste Disposal Sites	0.5		0
NY Dry Cleaners	0.25		1
NY Manifest	0.25		2
NY Coal Ash	0.5		0
E-Designation Sites	0.125		0
EDR MGP – EDR Proprietary Manufactured Gas Plant Database	1		0
EDR US Historic Auto Station	0.125		0
EDR US Historic Dry Cleaners	0.125		0

**Table K-12. New Rochelle Yard Sanborn Map Review**

Year	Observation
1892	<p><b>Site:</b> The map is incomplete and does not show the site area.</p> <p><b>Surrounding Properties:</b> South of the Site, at the intersection of Spring Street and Cedar Street, the American Gas Company of New Rochelle complex has been developed. Buildings include a coal shed, storage, 2 gasometer buildings and a purifying building.</p>
1896	<p><b>Site:</b> The map is incomplete and does not show the full Site, however sections of the railroad yard are visible. The Site appears developed as a railyard complete with a turn table west of the intersection of Oak Street and Cedar Street.</p> <p><b>Surrounding Properties:</b> Residential buildings have been developed east of the site along Oak Street and River Street. The American Gas Company has been renamed New Rochelle Gas and Fuel Co.</p>
1903	<p><b>Site:</b> The Site appears generally unchanged from previous maps.</p> <p><b>Surrounding Properties:</b> East of the Site near the intersection of Spring Street and Cedar Street the Standard Oil Company has developed a building complete with two Iron Tanks.</p>
1911	<p><b>Site:</b> The Site appears generally unchanged from previous maps.</p> <p><b>Surrounding Properties:</b> North of the Site the Jones Speedometer Complex has been developed near the intersection of Orchard Street and Cedar Street. Buildings onsite include an engine room, boiler room, and a coal yard. East of the Site the Hubbell hardwood Door Company has developed several locations for its operations. One building is located along Oak Street directly south of the Railroad and is labeled "To Be Removed". A larger complex has been developed further south and flanks either side of the Standard Oil building. The New Rochelle Gas and Fuel has been repurposed as the Westchester Lighting Co.</p>
1931	<p><b>Site:</b> The railyard on Site appears to have been reduced in size and now has several storage buildings and a Railway Express Company building developed in the southeast corner of the Site.</p> <p><b>Surrounding Properties:</b> A mechanic shop has been developed southeast of the Site. The Hubbell Hardwood and Door Company building adjacent to the railroad tracks has been removed and the southern building complex has taken over the former Standard Oil Company building. More residential properties have been developed north of the Site along Orchard Ave and Cedar Street.</p>
1942-1951	<p><b>Site:</b> The railyard on Site appears to have been reduced in size and now has several storage buildings and a Railway Express Company building developed in the southeast corner of the Site.</p> <p><b>Surrounding Properties:</b> All sides of the Site appear to have developed more residential buildings. North of the railroad near the intersection of Cedar Street and Orchard Street, the WA Case Manufacturing company has been established and been renamed the Randolph Rand Inc Manufacturing building. By 1951 a Dining Car Manufacturing building has been developed east of the Site along River Ave.</p>
1990-1992	<p><b>Site:</b> The railyard on Site appears to have been reduced in size. The Con Edison Transfer Yard (substation facility) has been developed in that area.</p> <p><b>Surrounding Properties:</b> The majority of buildings north of the railroad have been demolished and the New England Thruway has been developed. Exits and onramps for the Thruway have been developed north of the Site. The former Randolph Rand Manufacturing building north of the Site is now labeled as C&amp;M and a surgical dressing manufacturing company. The majority of buildings east of the Site have been developed into the Joyce Beverages company.</p>
1994-1996	<p><b>Site:</b> The Site appears generally unchanged from previous drawings.</p> <p><b>Surrounding Properties:</b> The former Joyce Beverages Company building east of the Site has been reduced in size and renamed the Price Club.</p>
2003	<p><b>Site:</b> The Site appears generally unchanged from previous drawings.</p> <p><b>Surrounding Properties:</b> The former surgical dressing company now operates as a USA Self Storage facility.</p>



**Table K-13. New Rochelle Yard Environmental Records Review**

Database Name	Minimum Search Radius (Miles)	Site Listed	Sites Within Search Radius
<b>Federal Databases</b>			
National Priorities Listing (NPL) – Environmental Protection Agency (EPA) Superfund	1		0
US EPA Delisted NPL Database	0.5		0
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)	0.5		0
Comprehensive Environmental Response, Compensation and Liability Information System – No Further Remedial Action Planned (CERC – NFRAP)	0.5		0
Resource Conservation and Recovery Information System - Treatment, Storage, or Disposal Facilities (RCRIS-TSD)/RCRIS Corrective Action Activity (CORRACTS)	1		1
USEPA RCRA Non-CORRACTS Treatment, Storage, and/or Disposal Database	0.5		0
RCRA – Large Quantity Generators	0.25		3
RCRA – Small Quantity Generators	0.25		1
RCRA – Conditionally Exempt Small Quantity Generators/Non Generators	0.25		3
USEPA Institutional Control/Engineering Control Database	0.5		0
USEPA Emergency Response Notification System (ERNS) Database	0		0
<b>New York State Databases</b>			
New York State Department of Environmental Conservation State Hazardous Waste Disposal Sites (SHWS) Database	1		3
NY Vapor Reopened	1		0
NY SWF/LF – Solid Waste Facility/Landfill Facility	0.5		1
NY LTANKS – Leaking Storage Tanks Incident Reports	0.5		165
UST/HIST UST – New York Registered UST Facility Database	0.25		29
AST/HIST AST – New York Registered Aboveground Storage Tank Database	0.25		13
NY MOSF AST/UST/ NY MOSF – New York Major Oil Storage Facilities Database	0.5		0
New York Registered Chemical Bulk Storage UST/AST Facility Database	0.25		1
NY Engineering/Institutional Controls	0.5		0
NY VCP – NYSDEC Voluntary Cleanup Agreements Database	0.5		0
BROWNFIELDS – New York Brownfields Database	0.5		4
NY Spills – New York State Hazardous Material and Petroleum Product Spills	0.125		25
NY HSWDS – New York Hazardous Substance Waste Disposal Sites	0.5		0
NY Dry Cleaners	0.25		1
NY Manifest	0.25		64
NY Coal Ash	0.5		0
E-Designation Sites	0.125		0
EDR MGP – EDR Proprietary Manufactured Gas Plant Database	1		1
EDR US Historic Auto Station	0.125		0
EDR US Historic Dry Cleaners	0.125		1

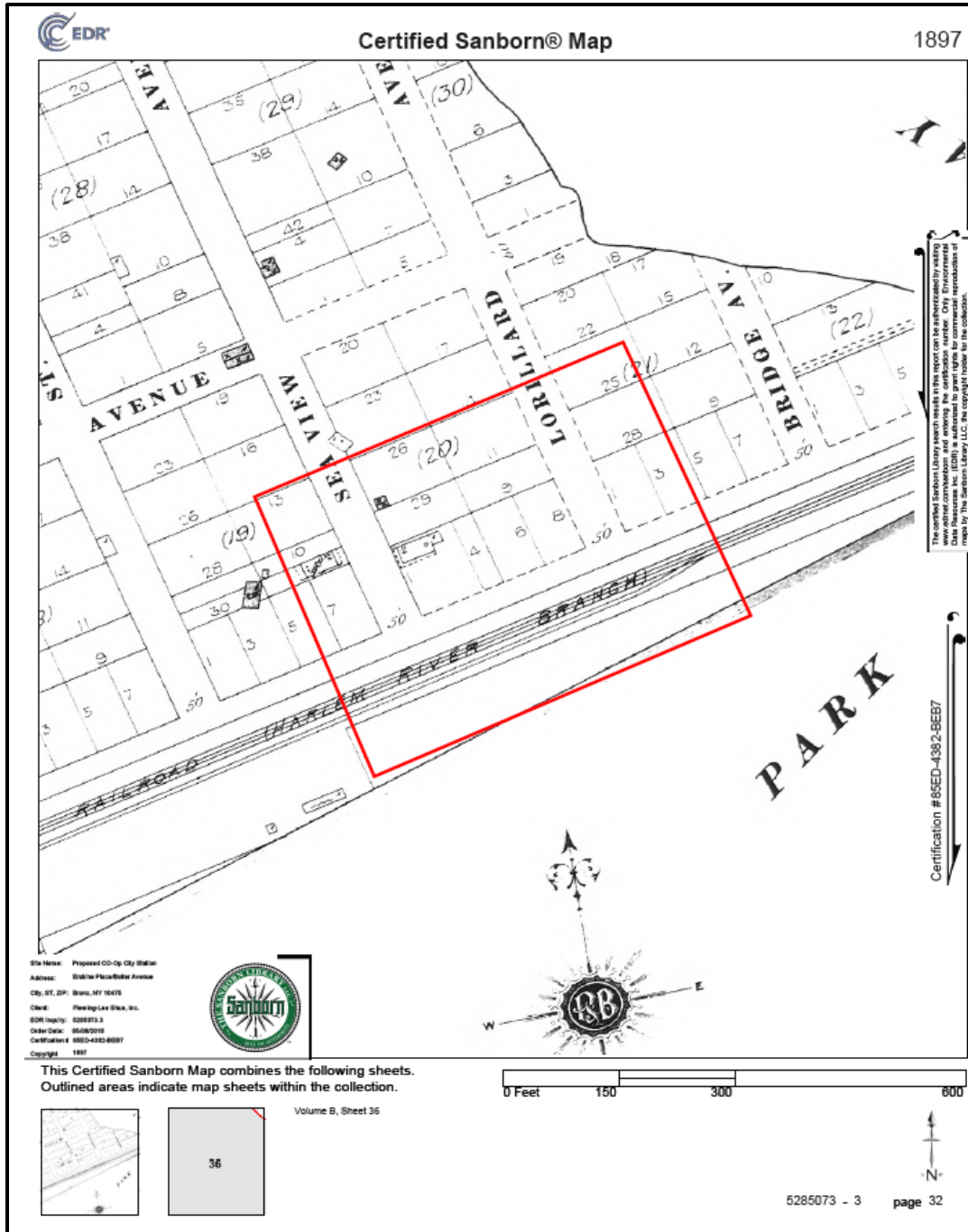
**Table K-14. New Rochelle Yard City Directory Review**

<b>Date</b>	<b>Address</b>	<b>Listing</b>
2014	47 Cedar Street	NR Automotive Inc
2010	20 Cedar Street	JA Valenti Electric Co Inc
1992	115 Cedar Street	P & S Trucking Co
1989	47 Cedar Street	Crabtree Automotv
1984	111 Cedar Street	Canal St Plastic/ Plastic Works
1984	11 River Street	Franks Fuel Service
1979	111 Cedar Street	Hydro Cell LTD. Metal-weave products



## K.2 SANBORN MAPS

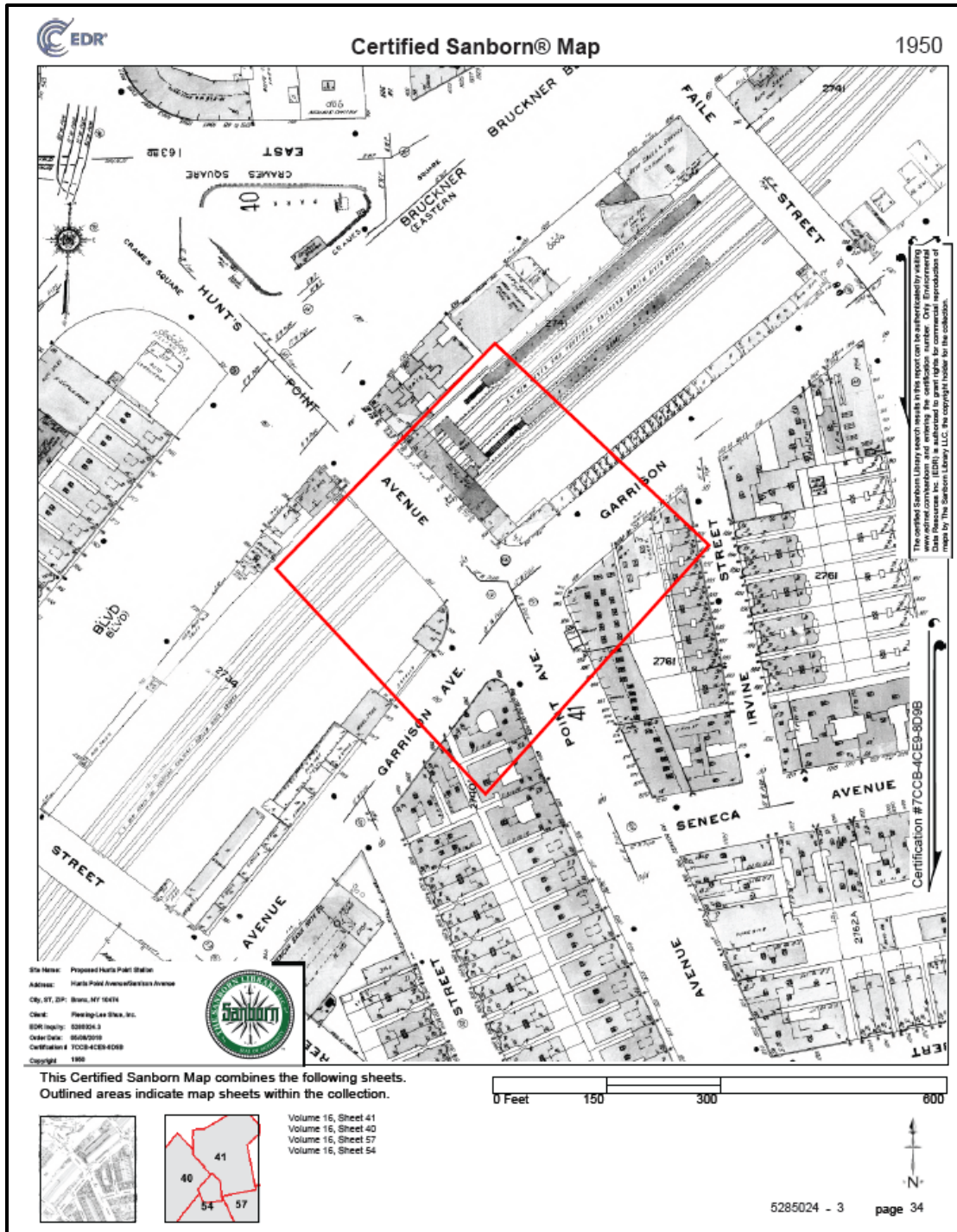
Map K-1. Hunts Point Sanborn Map 1896







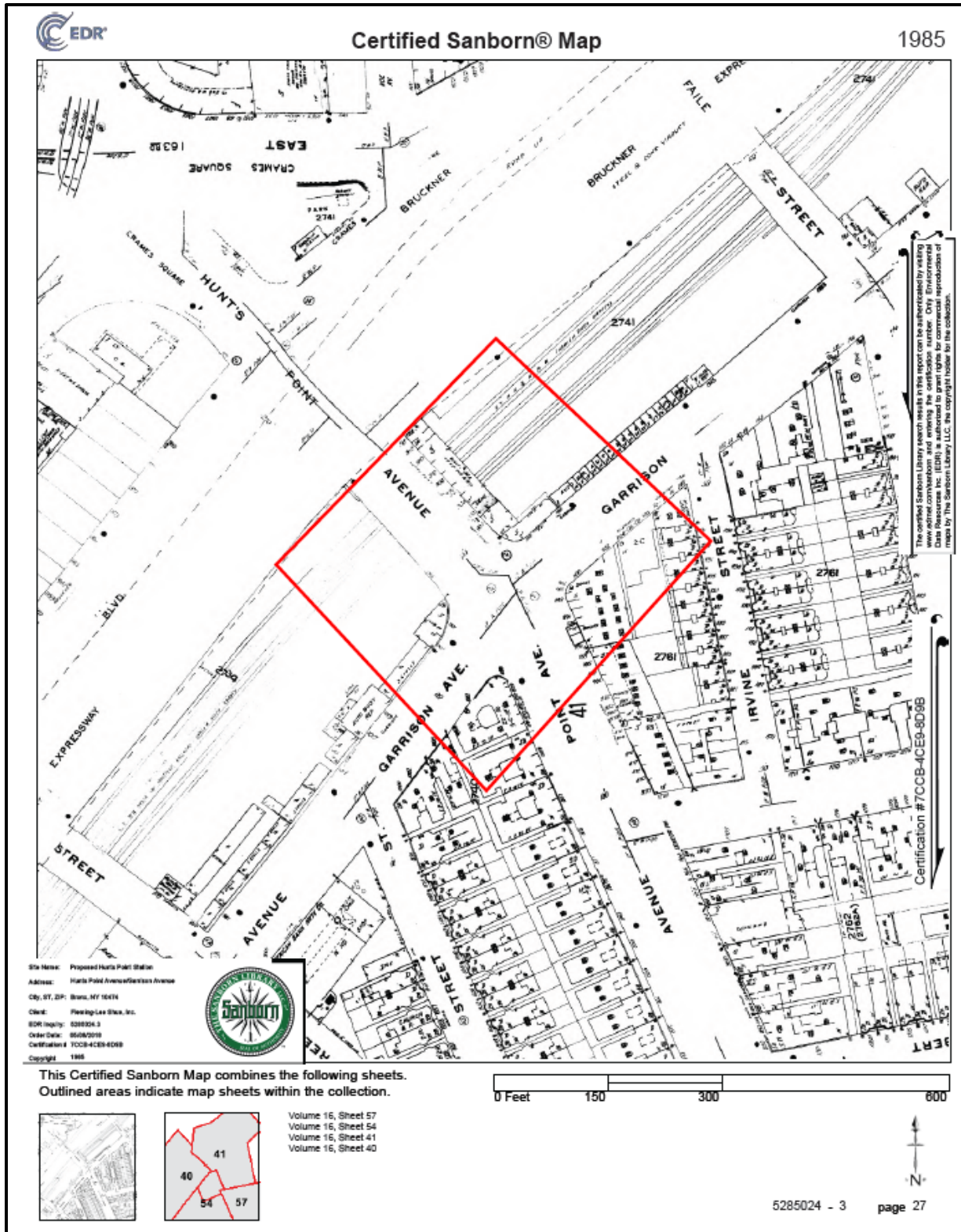
Map K-2. Hunts Point Sanborn Map 1950





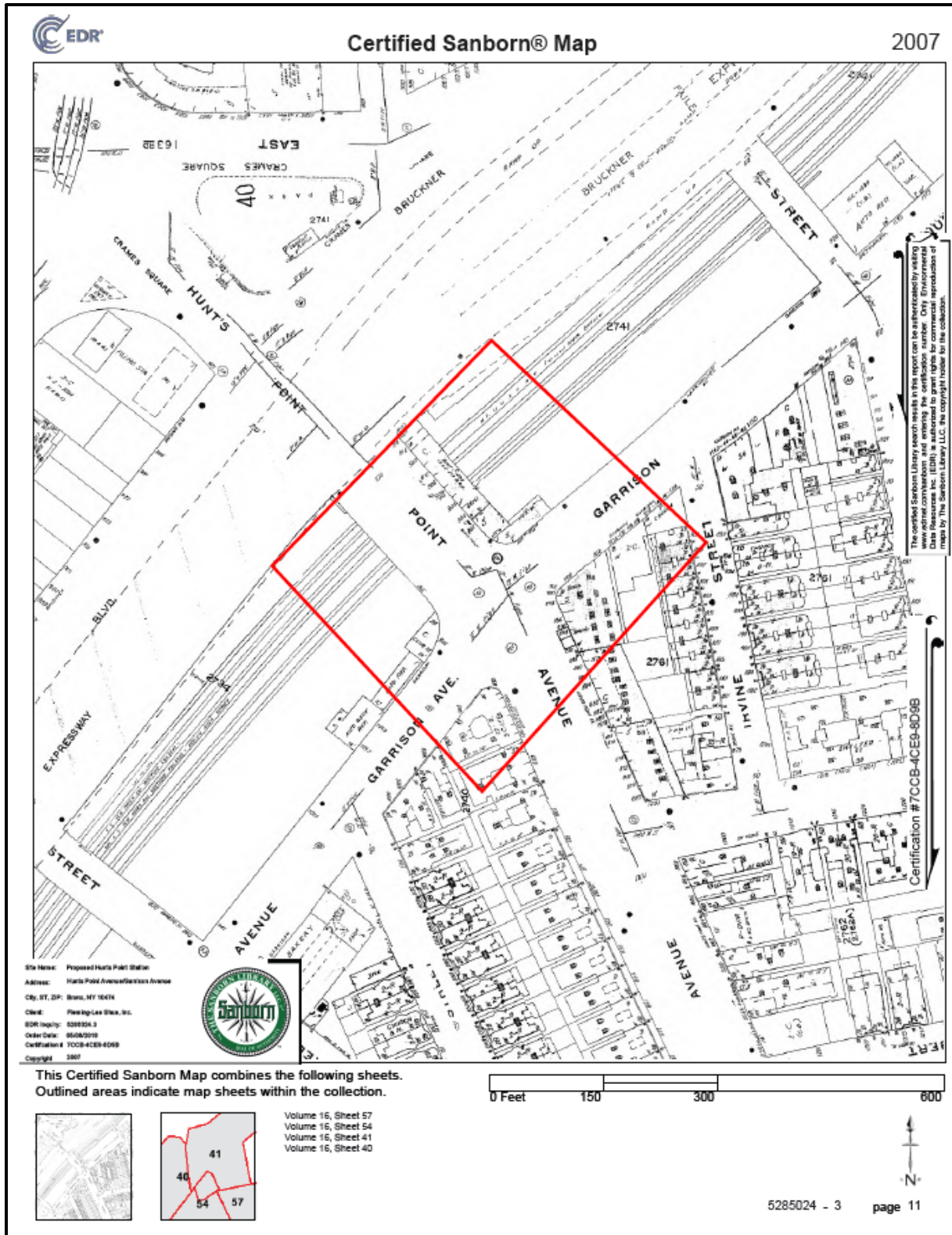


Map K-3. Hunts Point Sanborn Map 1985





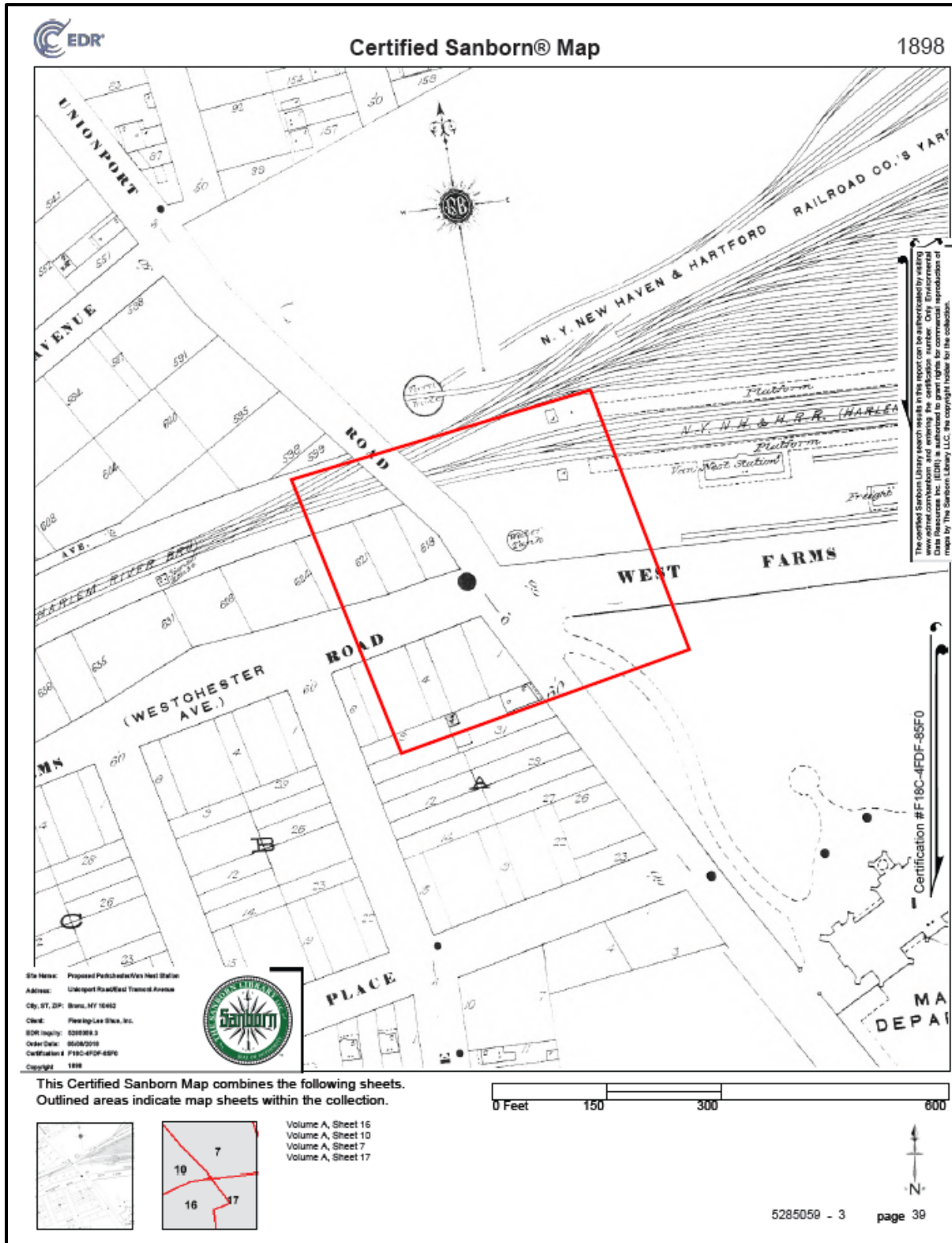
Map K-4. Hunts Point Sanborn Map 2007





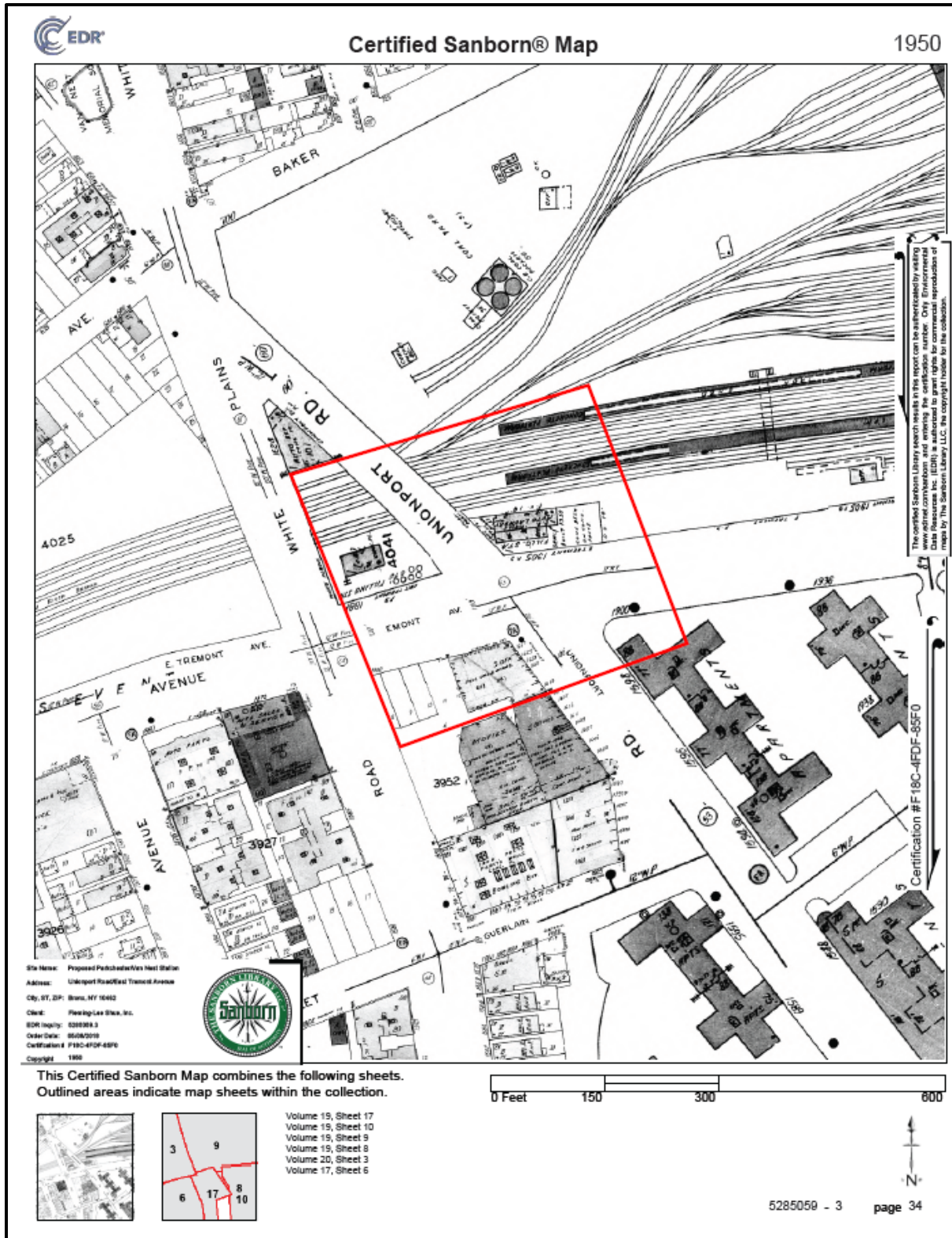


Map K-5. Parkchester-Van Nest Sanborn Map 1898





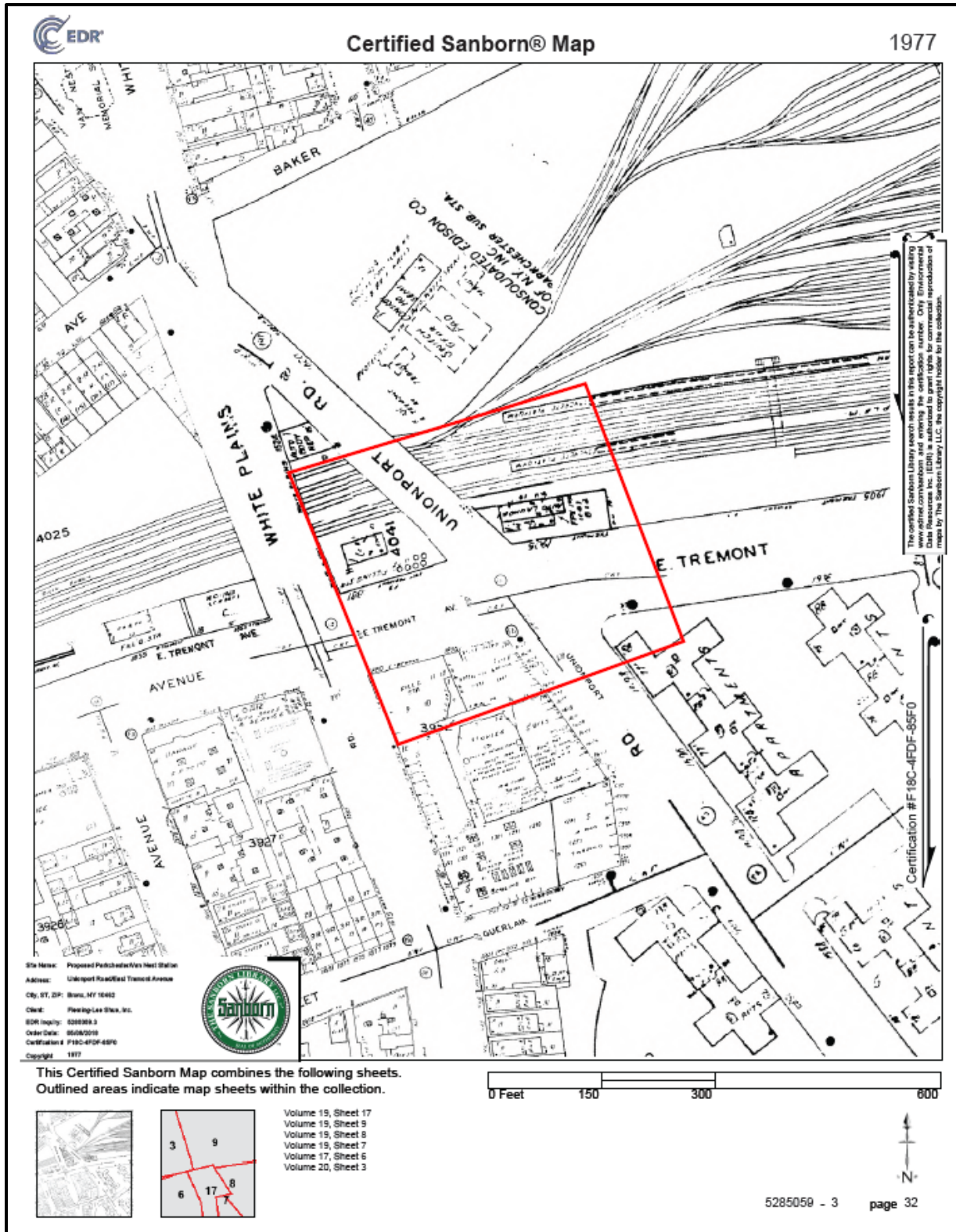
**Map K-6. Parkchester-Van Nest Sanborn Map 1950**





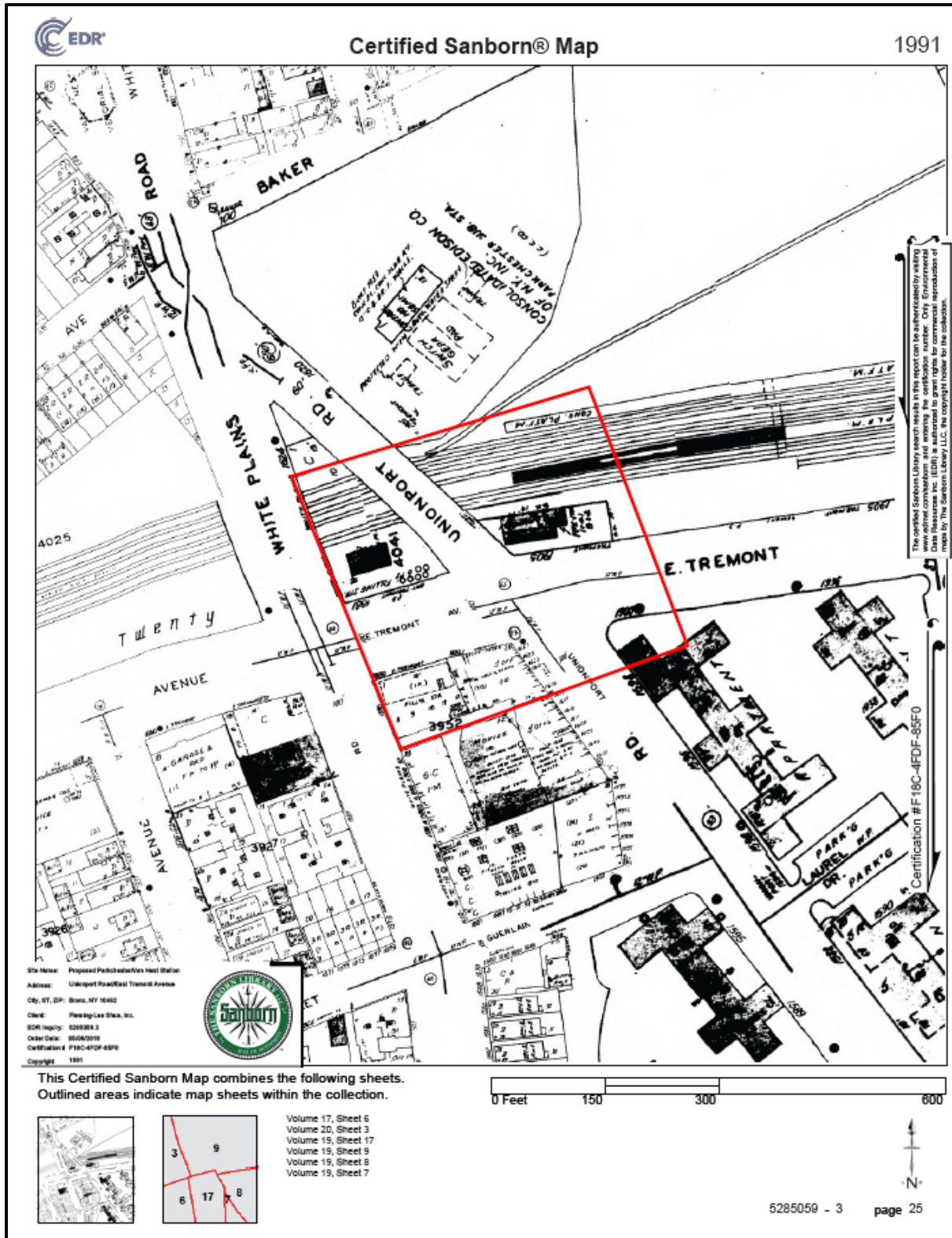


Map K-7. Parkchester-Van Nest Sanborn Map 1977





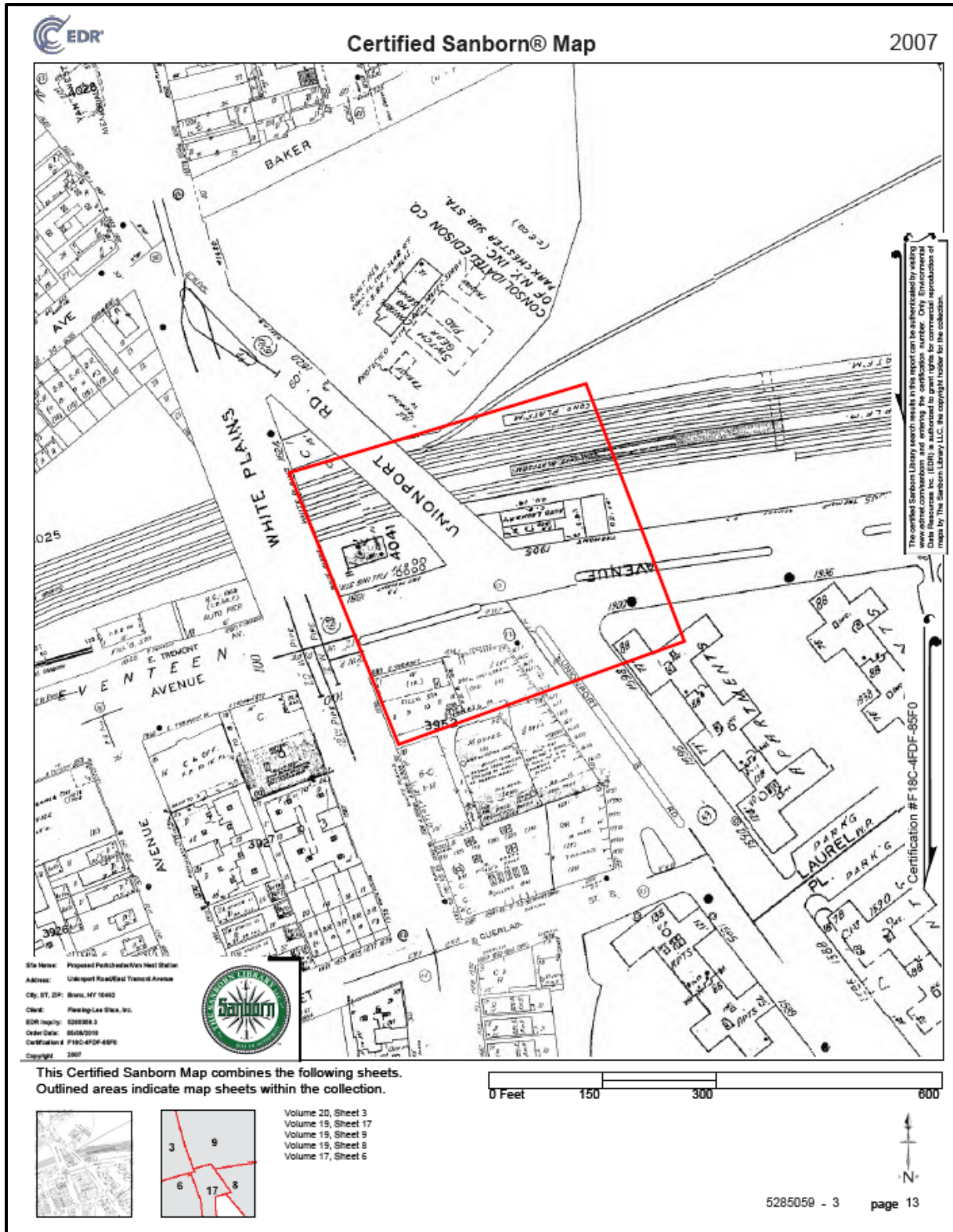
Map K-8. Parkchester-Van Nest Sanborn Map 1991





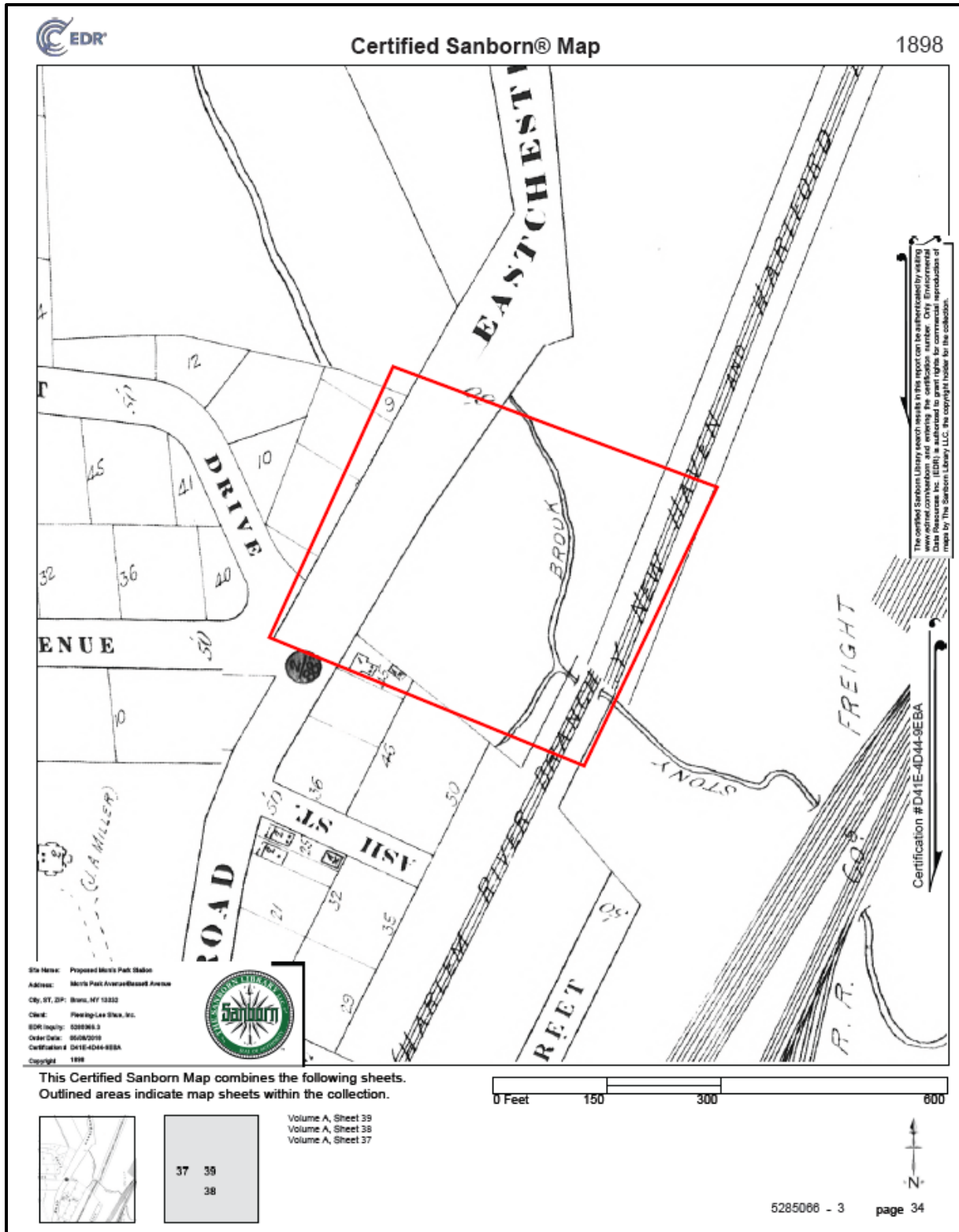


Map K-9. Parkchester-Van Nest Sanborn Map 2007





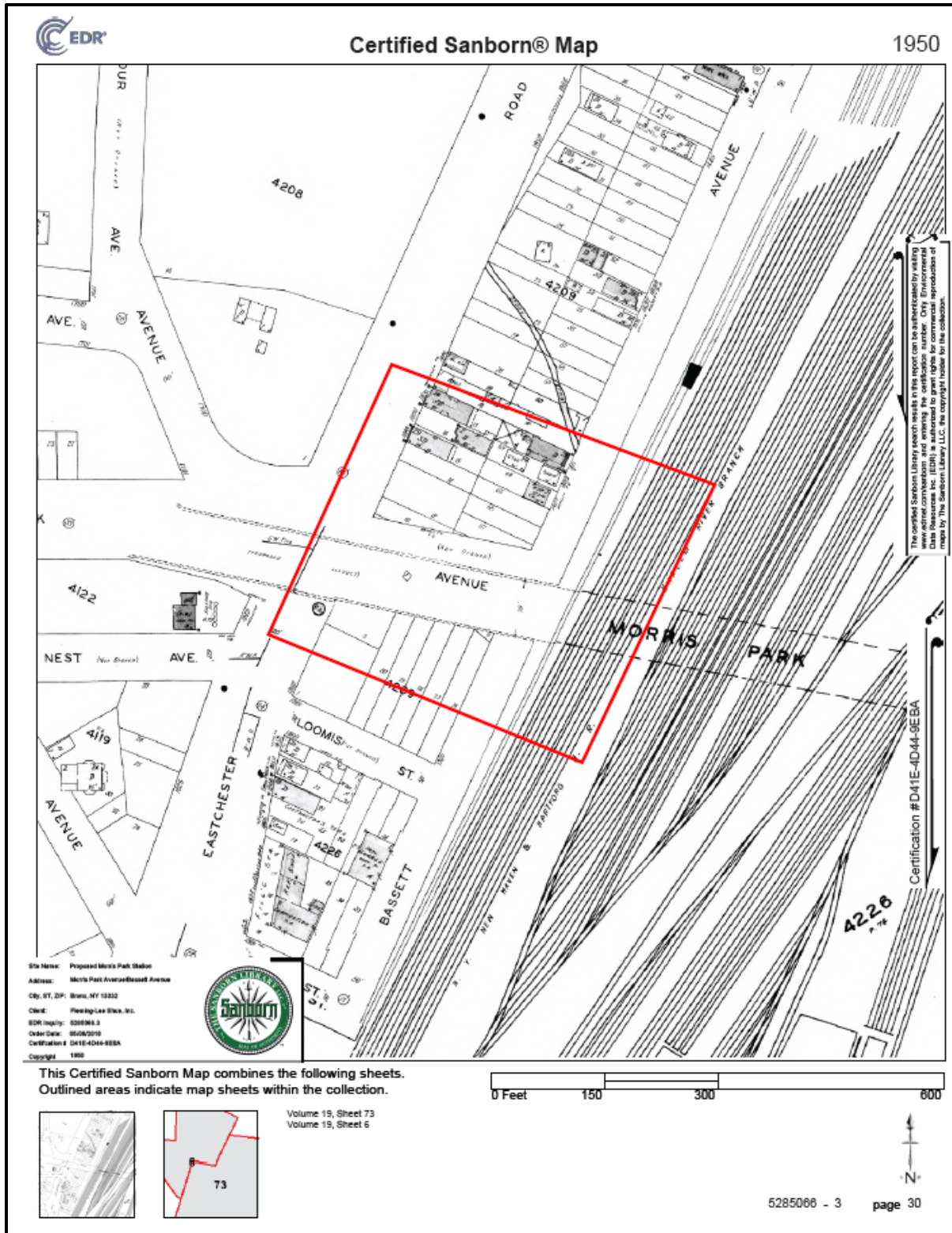
Map K-10. Morris Park Sanborn Map 1898





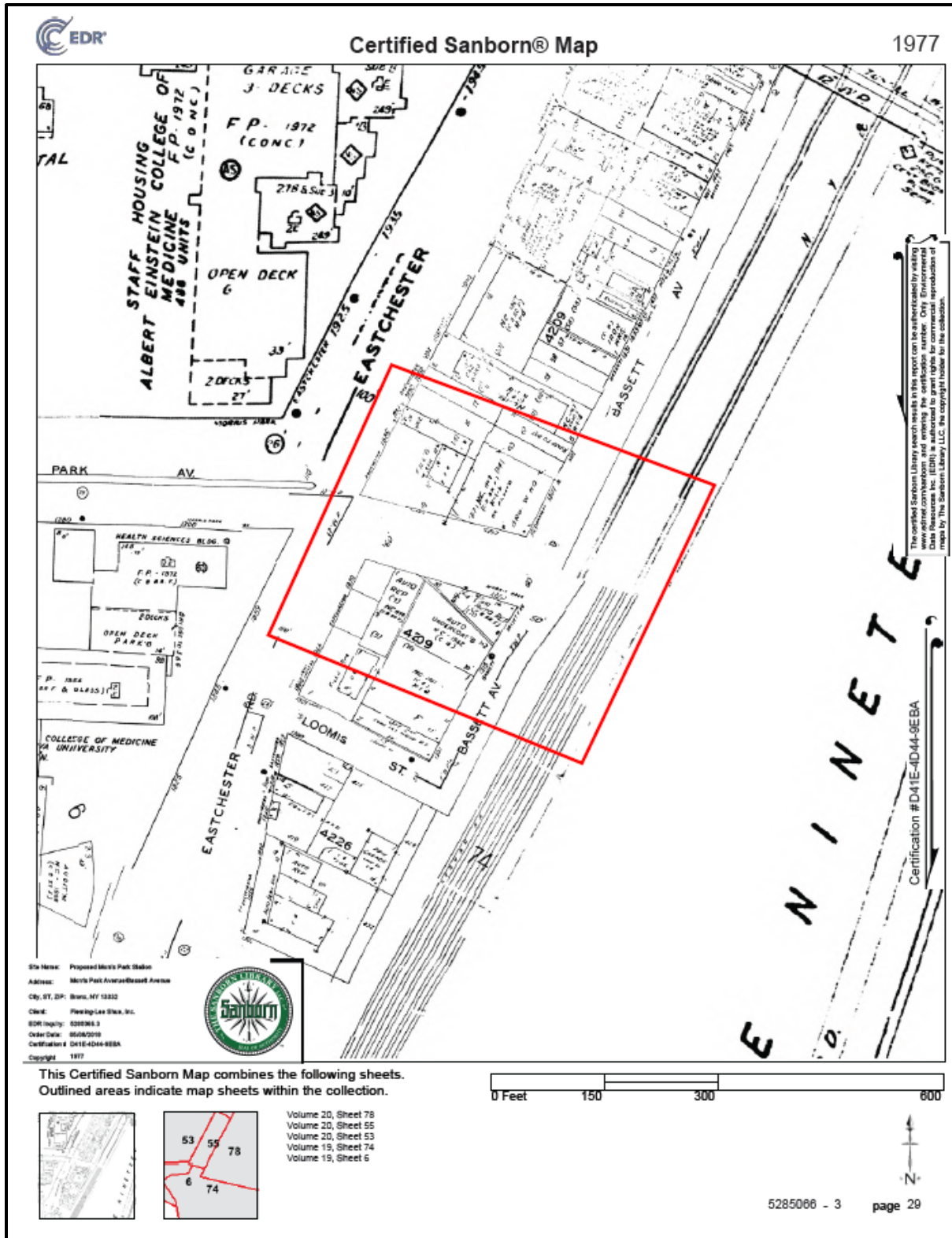


Map K-11. Morris Park Sanborn Map 1950





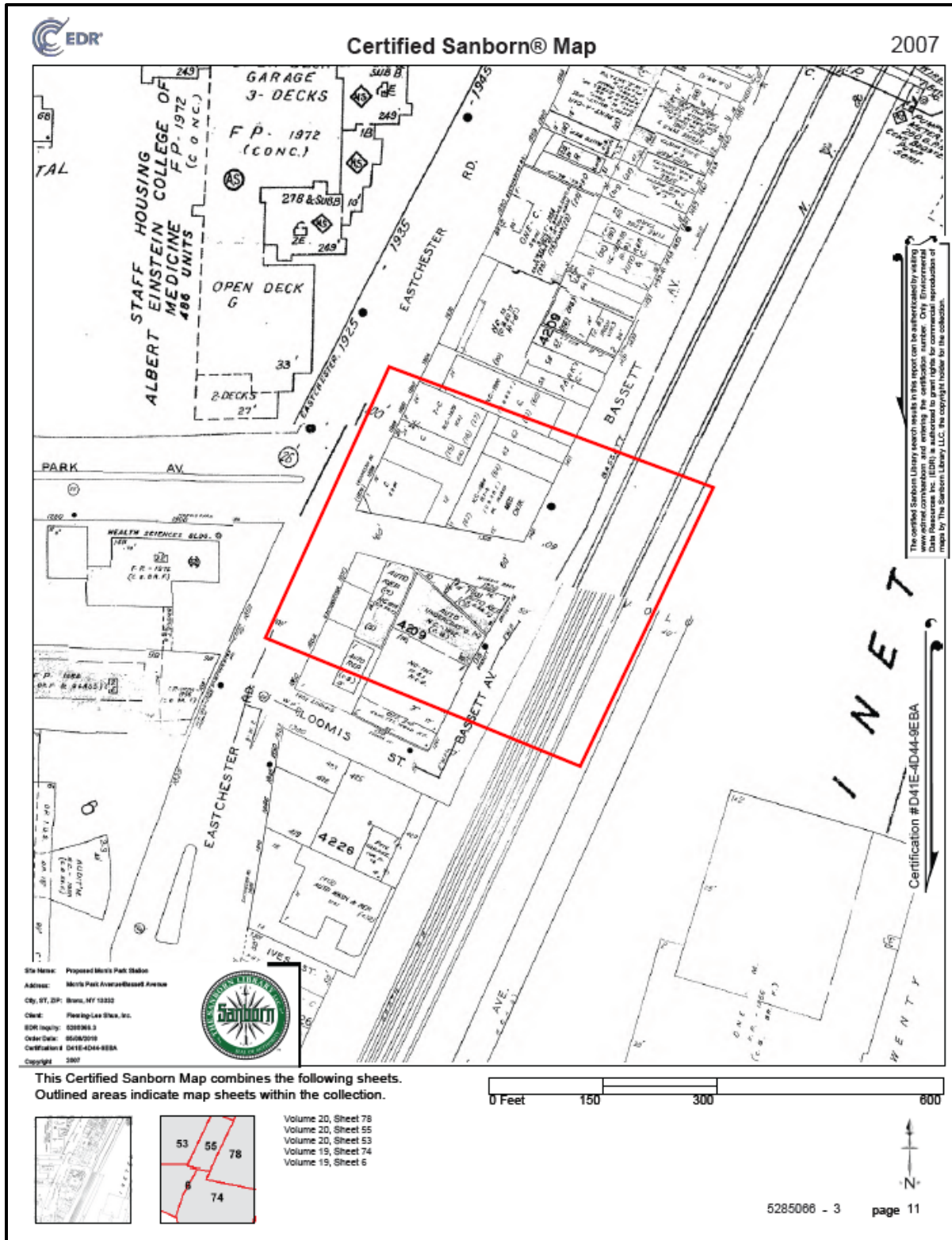
Map K-12. Morris Park Sanborn Map 1977





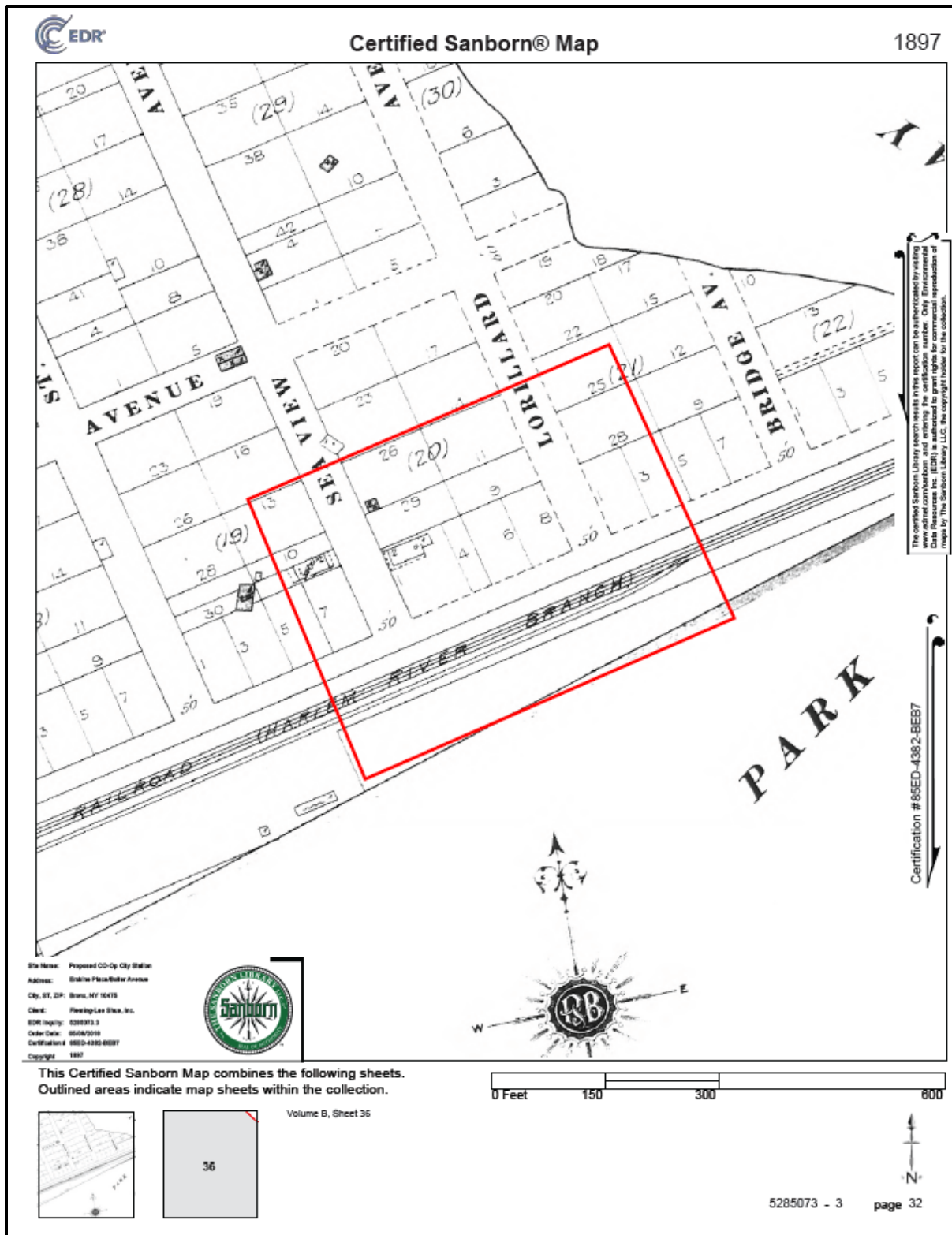


Map K-13. Morris Park Sanborn Map 2007



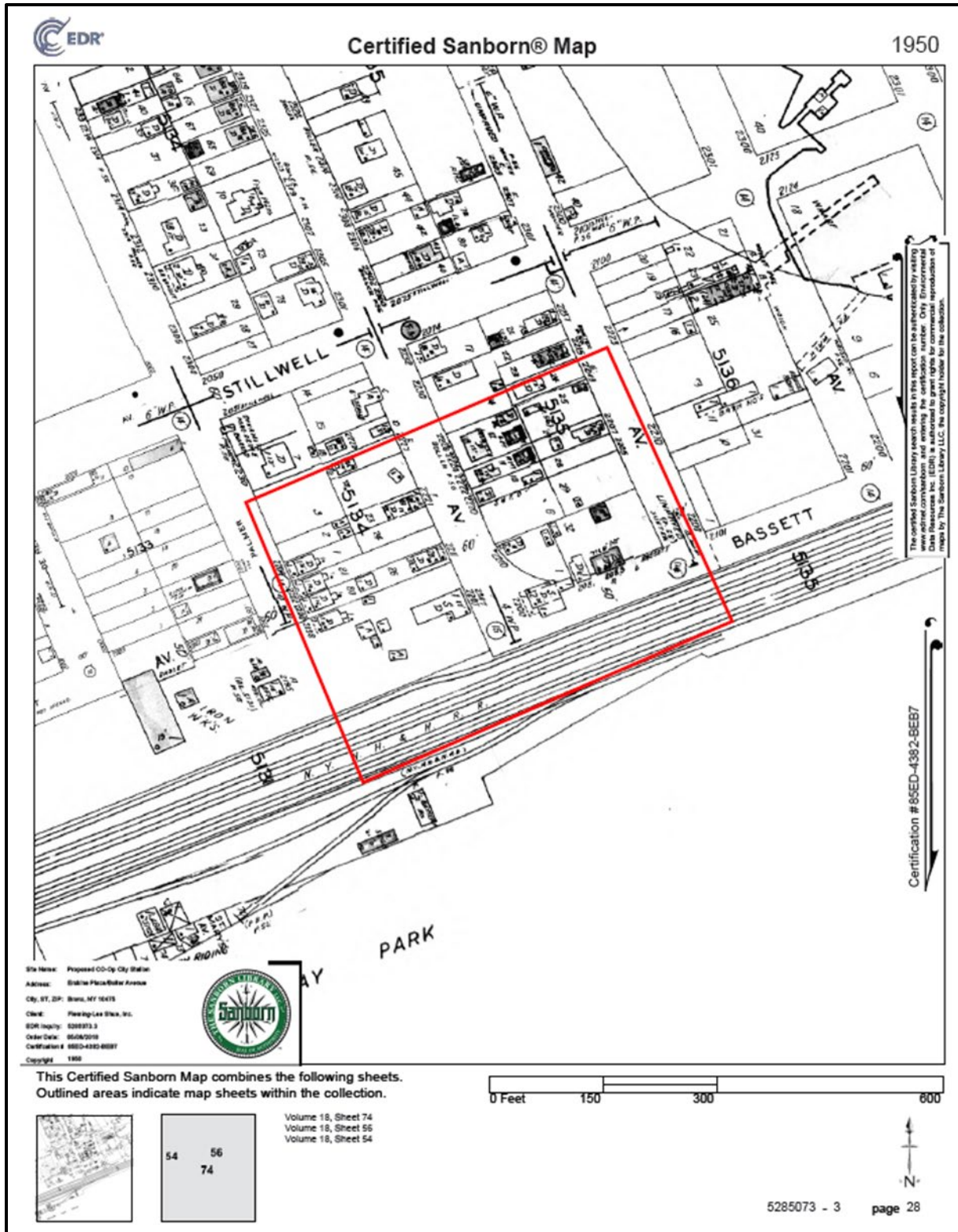


Map K-14. Co-op City Sanborn Map 1897





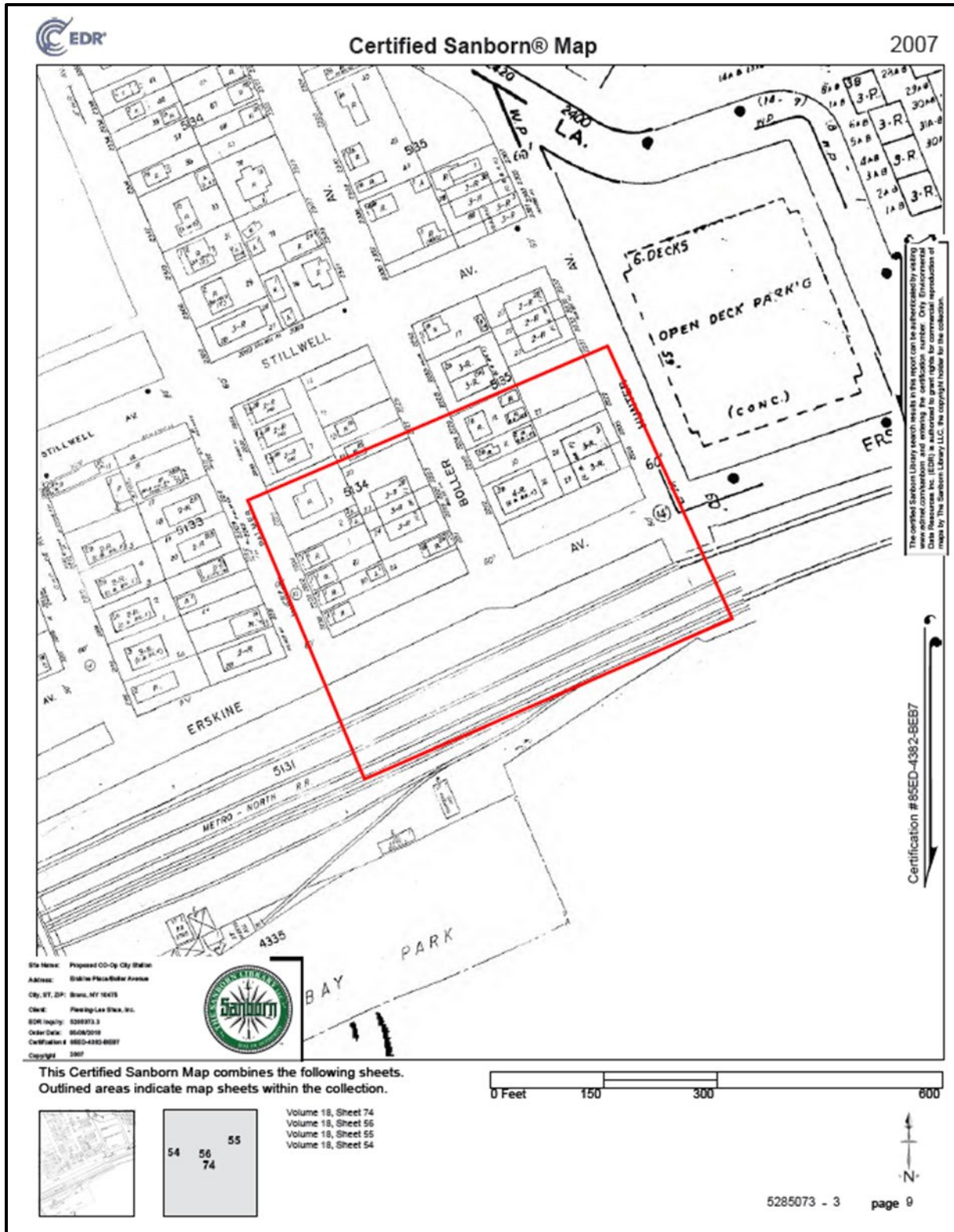
Map K-15. Co-op City Sanborn Map 1950





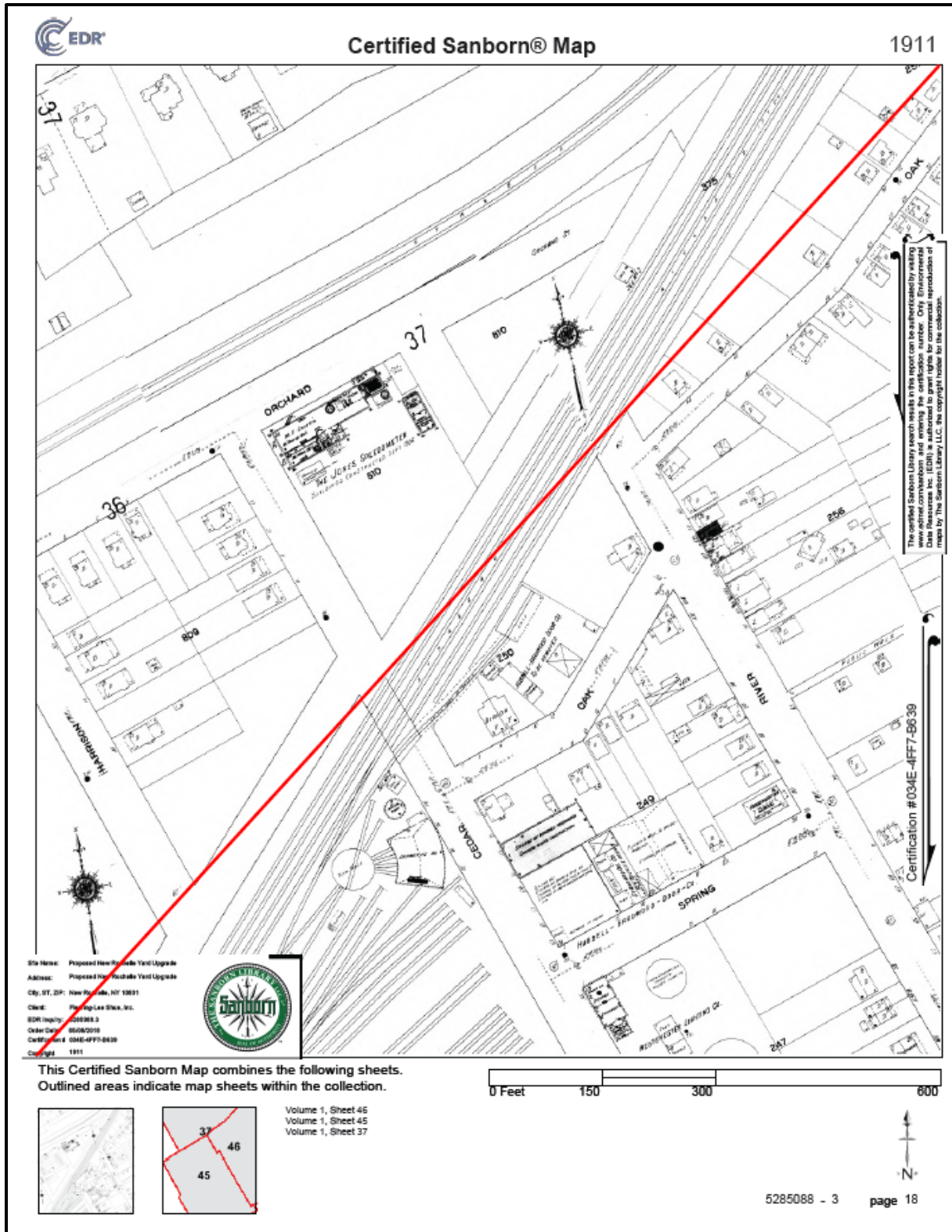


Map K-16. Co-op City Sanborn Map 2007





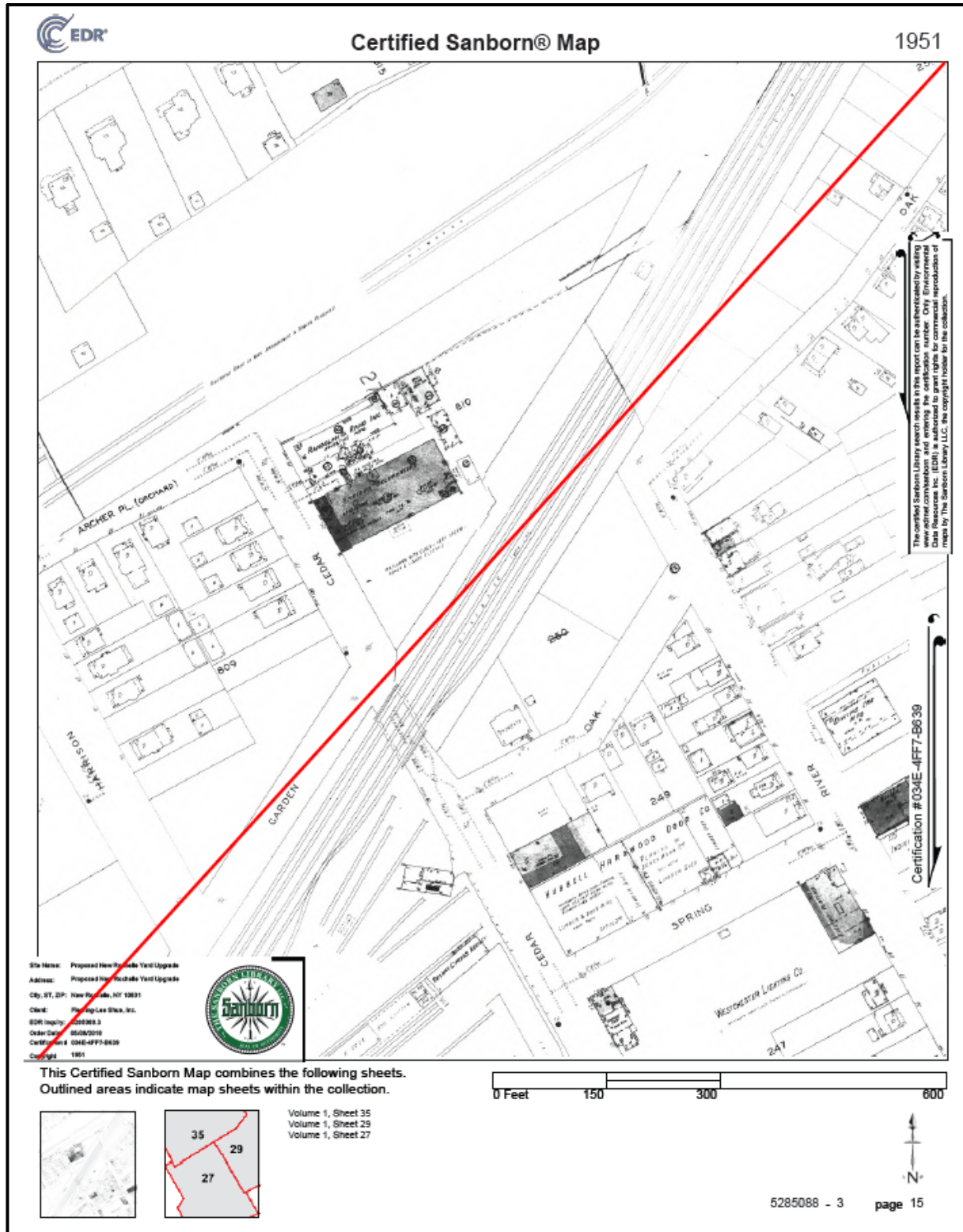
Map K-17. New Rochelle Yard Sanborn Map 1911







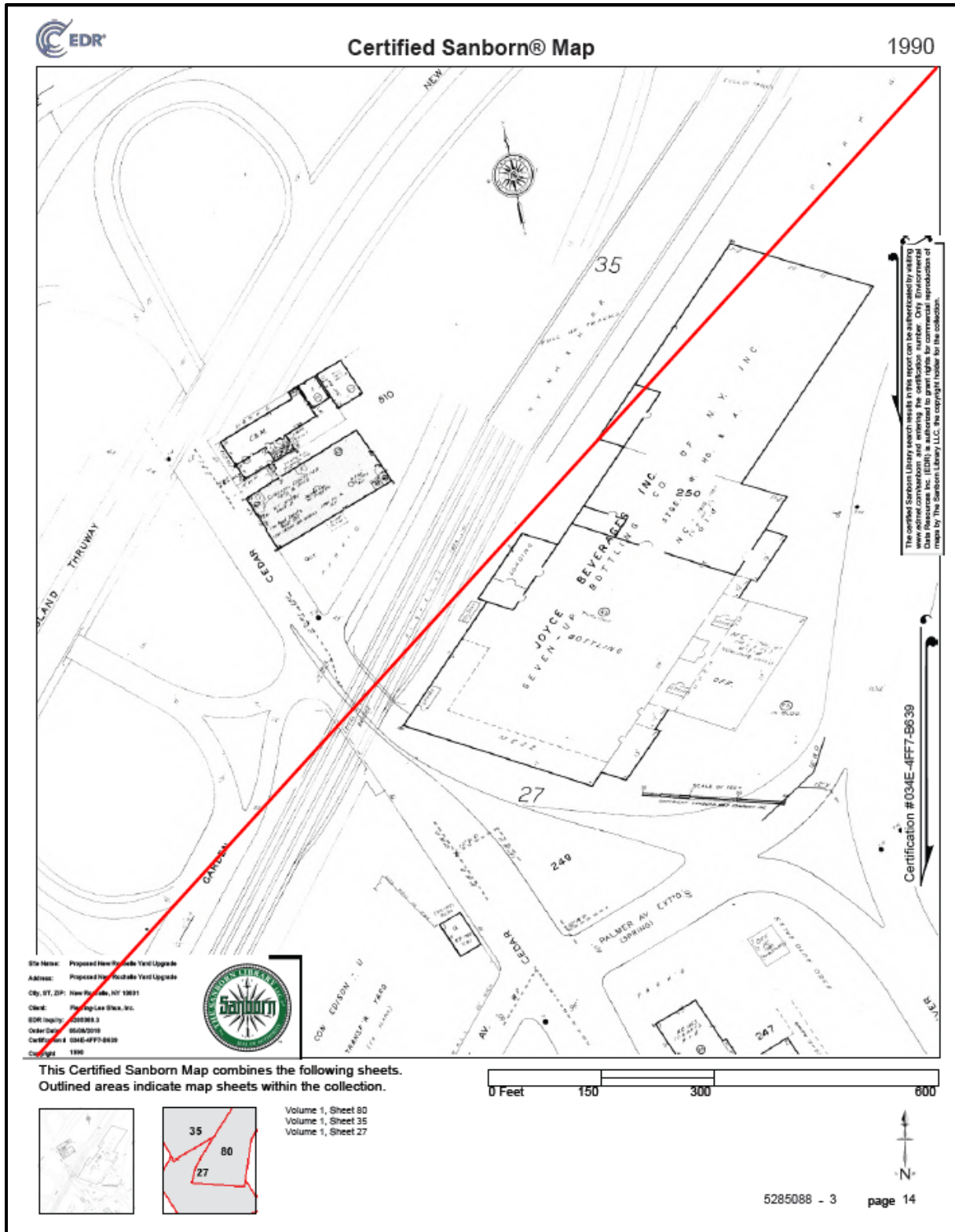
Map K-18. New Rochelle Yard Sanborn Map 1951





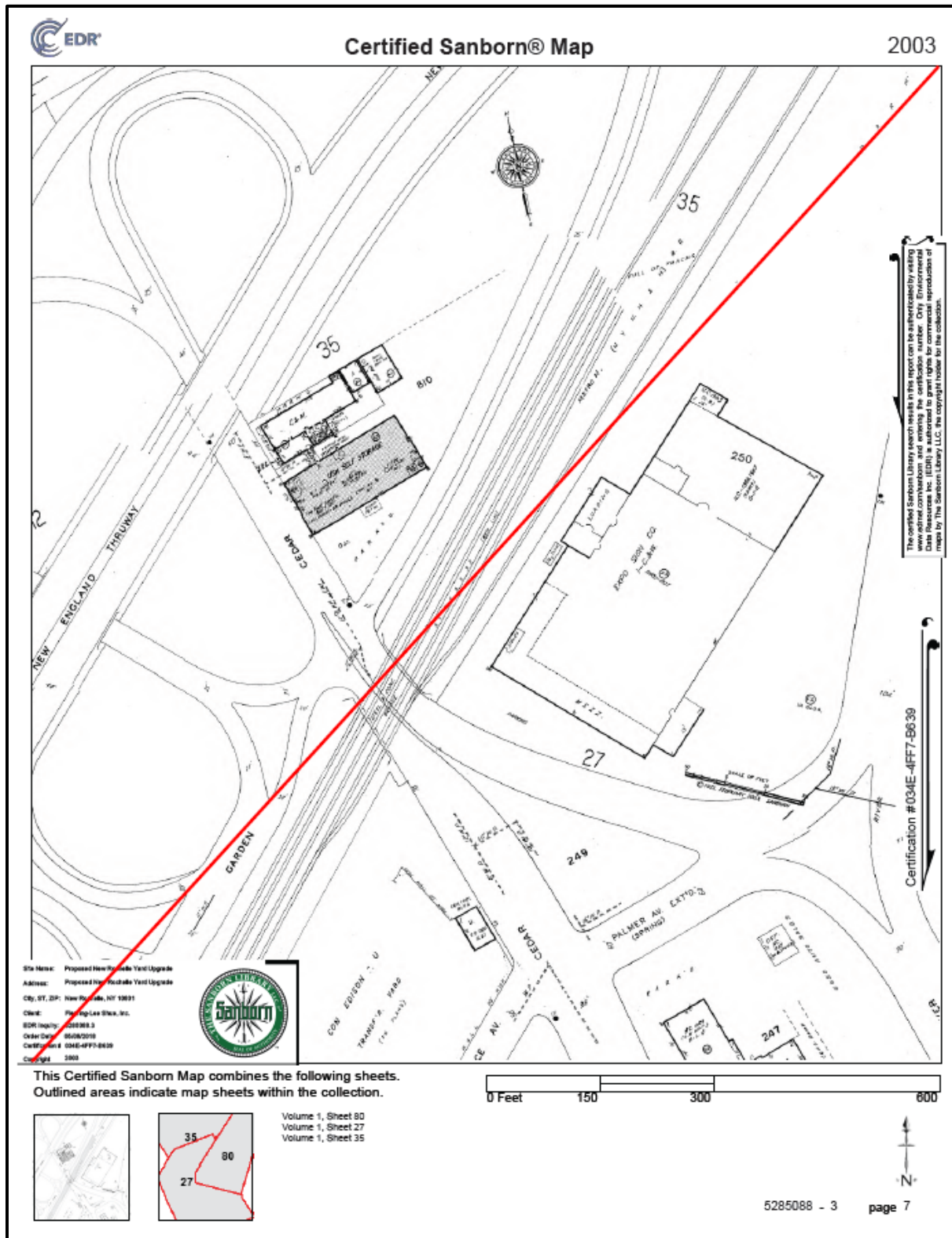


Map K-19. New Rochelle Yard Sanborn Map 1990





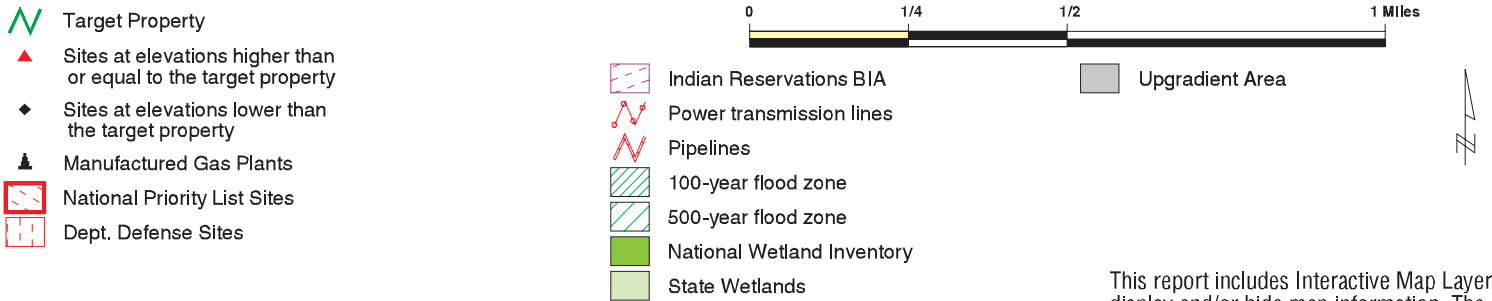
Map K-20. New Rochelle Yard Sanborn Map 2003





### **K.3 MAPS FROM EDR DATABASE REPORT**

# OVERVIEW MAP - 5285024.2S

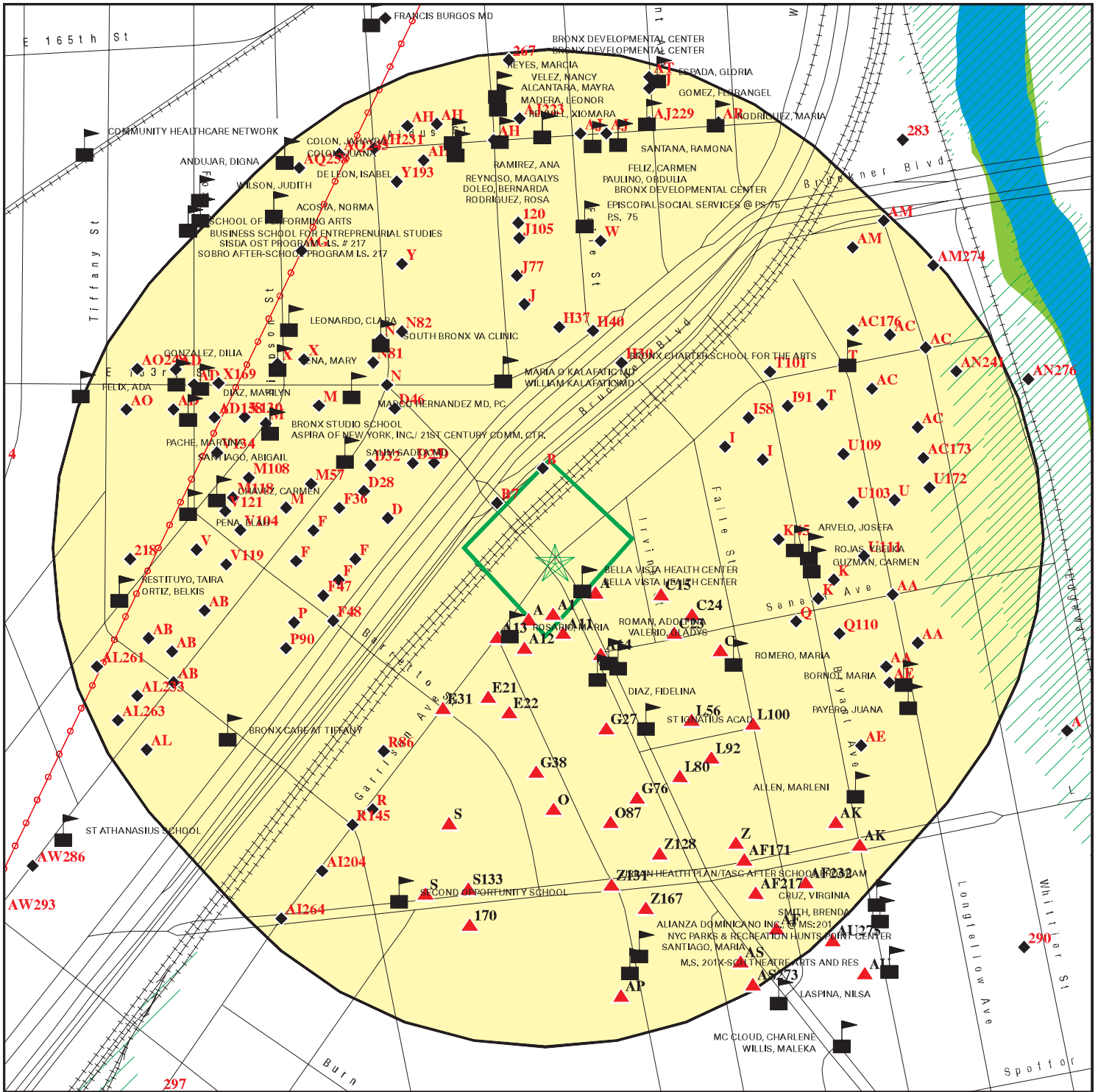









This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.







<p><b>SITE NAME:</b> Proposed Hunts Point Station  <b>ADDRESS:</b> Hunts Point Avenue/Garrison Avenue                  Bronx NY 10474  <b>LAT/LONG:</b> 40.819426 / 73.889695</p>	<p><b>CLIENT:</b> Fleming-Lee Shue, Inc.  <b>CONTACT:</b> Joel Kane  <b>INQUIRY #:</b> 5285024.2s  <b>DATE:</b> May 08, 2018 9:47 am</p>
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# DETAIL MAP - 5285024.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

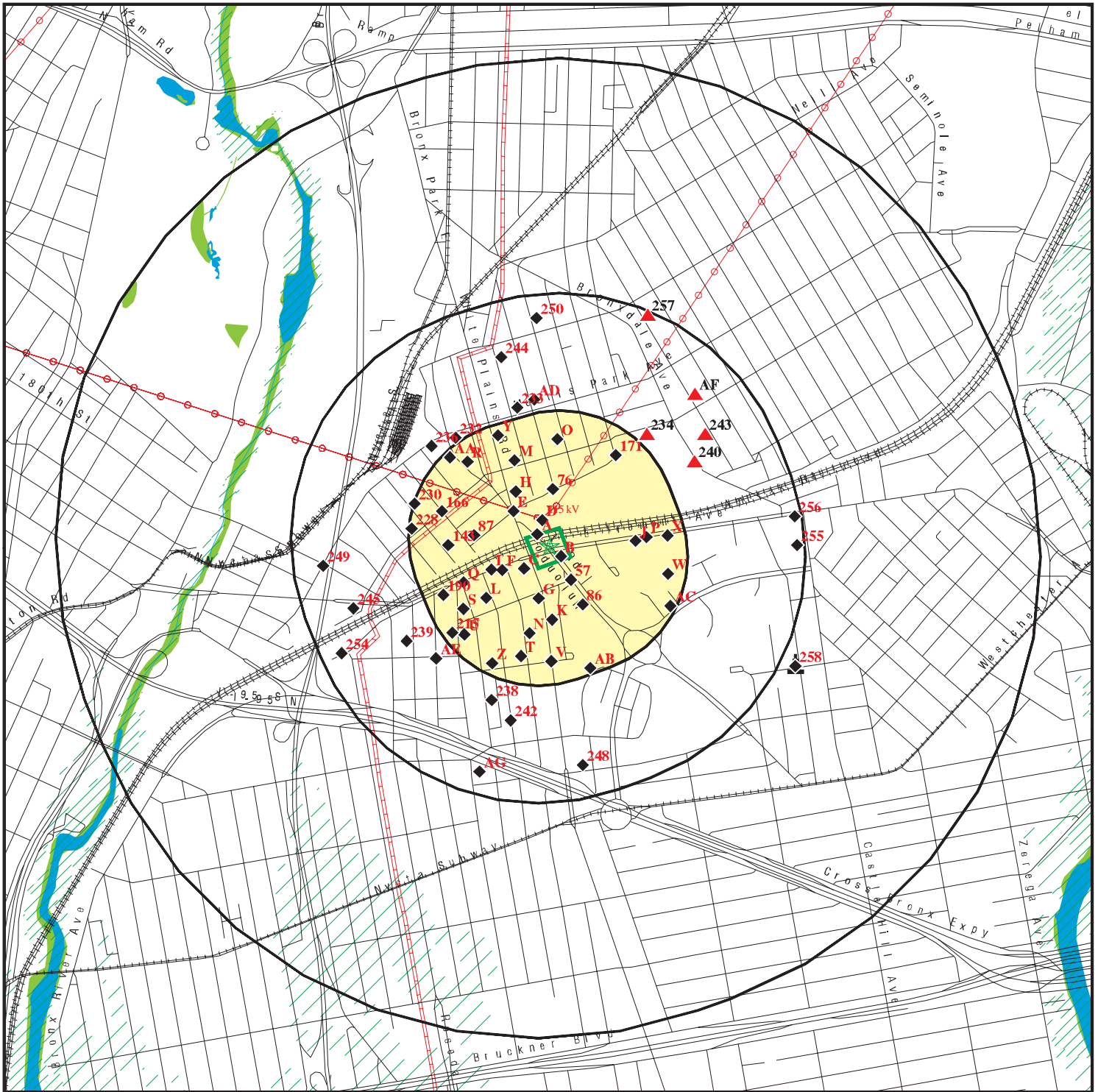
-  Indian Reservations BIA
-  Power transmission lines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Proposed Hunts Point Station  
 ADDRESS: Hunts Point Avenue/Garrison Avenue  
 Bronx NY 10474  
 LAT/LONG: 40.819426 / 73.889695

CLIENT: Fleming-Lee Shue, Inc.  
 CONTACT: Joel Kane  
 INQUIRY #: 5285024.2s  
 DATE: May 08, 2018 9:50 am

# OVERVIEW MAP - 5285059.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

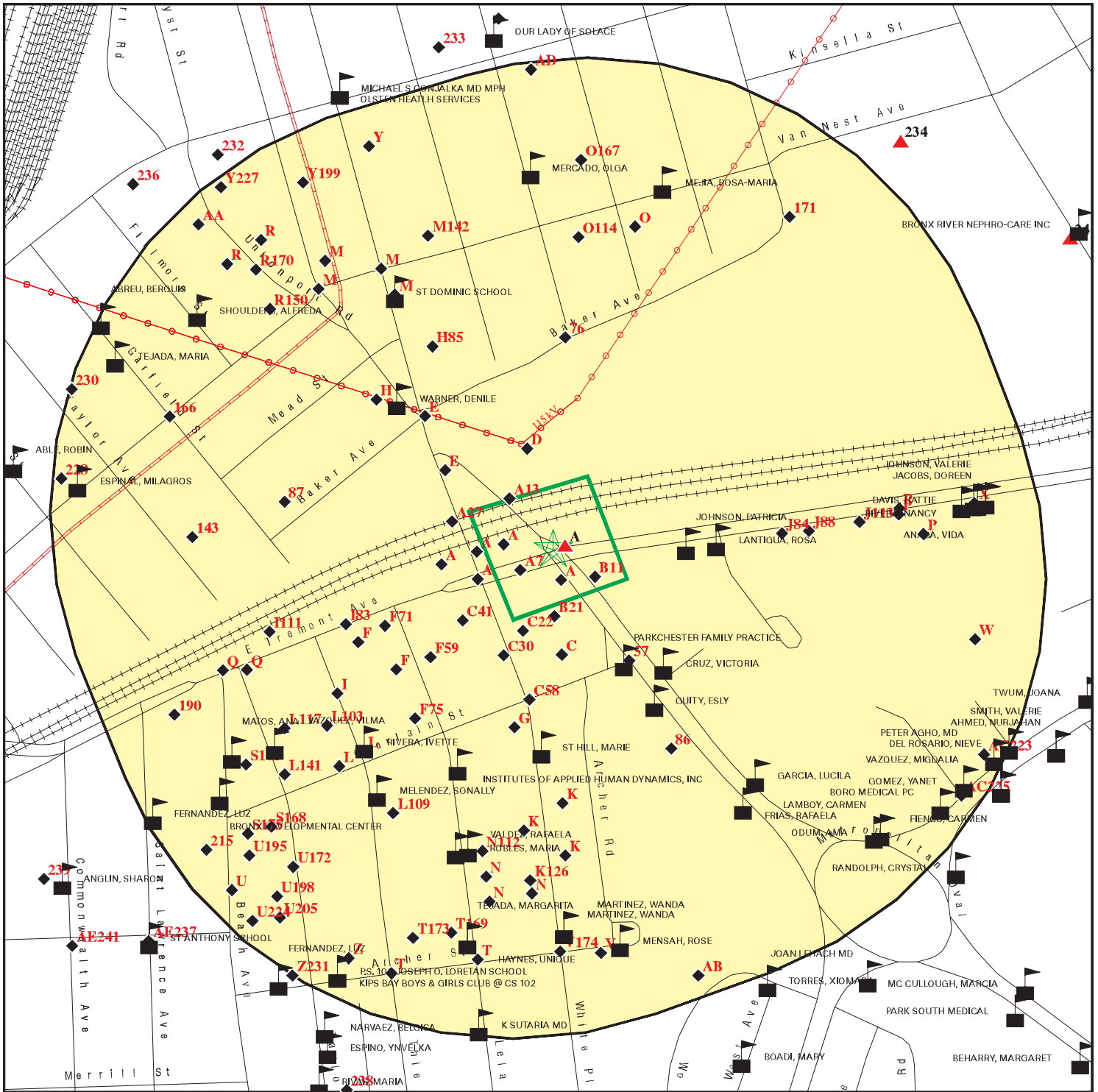


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Proposed Parkchester/Van Nest Station  
 ADDRESS: Unionport Road/East Tremont Avenue  
 Bronx NY 10462  
 LAT/LONG: 40.841366 / 73.86364

CLIENT: Fleming-Lee Shue, Inc.  
 CONTACT: Joel Kane  
 INQUIRY #: 5285059.2s  
 DATE: May 08, 2018 9:46 am

# DETAIL MAP - 5285059.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Power transmission lines
- Pipelines

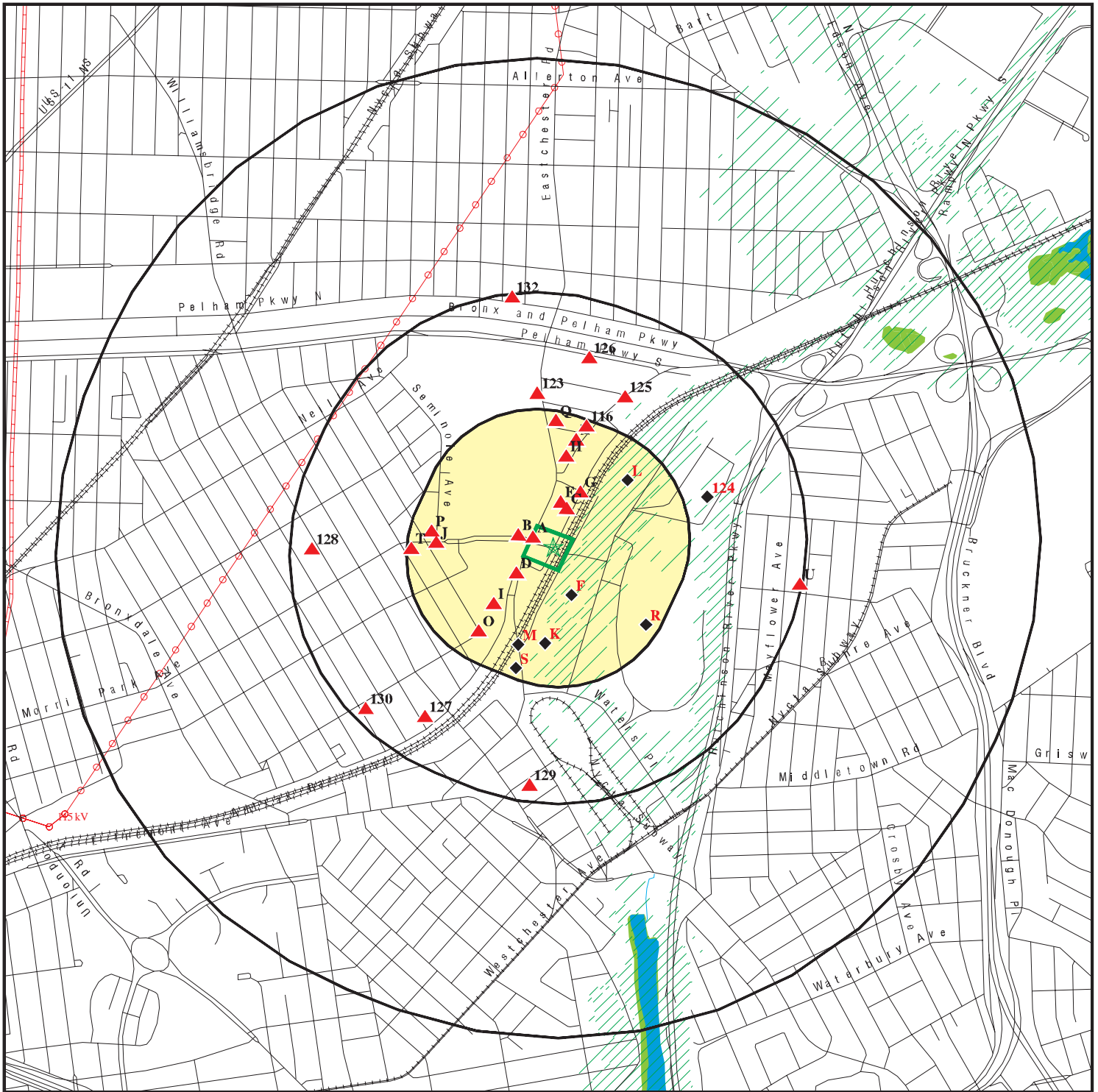
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Proposed Parkchester/Van Nest Station  
 ADDRESS: Unionport Road/East Tremont Avenue  
 Bronx NY 10462  
 LAT/LONG: 40.841366 / 73.86364

CLIENT: Fleming-Lee Shue, Inc.  
 CONTACT: Joel Kane  
 INQUIRY #: 5285059.2s  
 DATE: May 08, 2018 9:48 am



# OVERVIEW MAP - 5285066.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

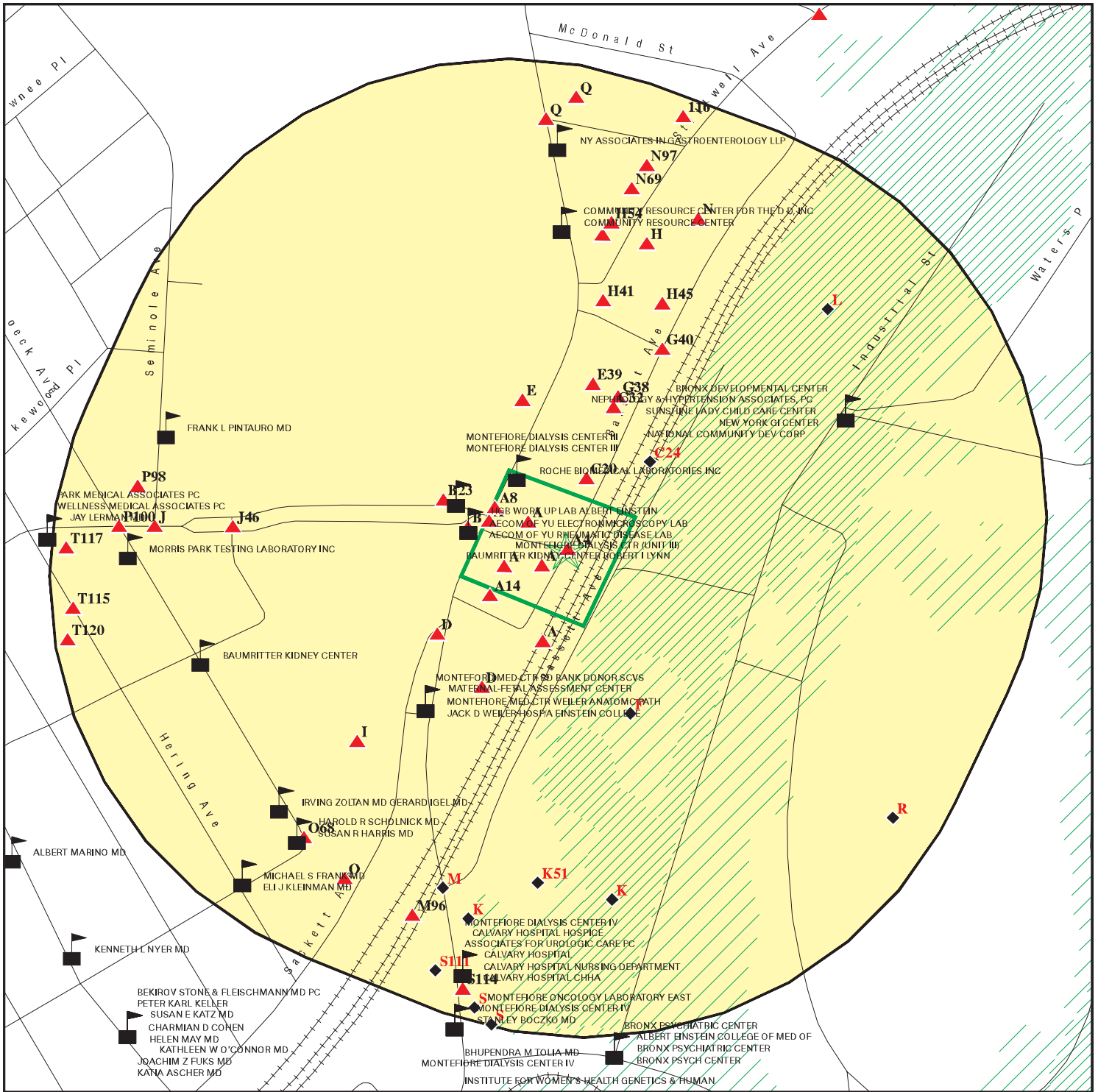
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.








SITE NAME: Proposed Morris Park Station  
 ADDRESS: Morris Park Avenue/Bassett Avenue  
 Bronx NY 13332  
 LAT/LONG: 40.850879 / 73.843437




CLIENT: Fleming-Lee Shue, Inc.  
 CONTACT: Joel Kane  
 INQUIRY #: 5285066.2s  
 DATE: May 08, 2018 9:42 am

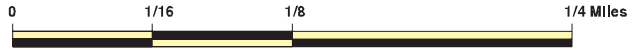


# DETAIL MAP - 5285066.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  100-year flood zone
-  500-year flood zone



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Proposed Morris Park Station  
 ADDRESS: Morris Park Avenue/Bassett Avenue  
 Bronx NY 13332  
 LAT/LONG: 40.850879 / 73.843437

CLIENT: Fleming-Lee Shue, Inc.  
 CONTACT: Joel Kane  
 INQUIRY #: 5285066.2s  
 DATE: May 08, 2018 9:43 am

# OVERVIEW MAP - 5285073.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

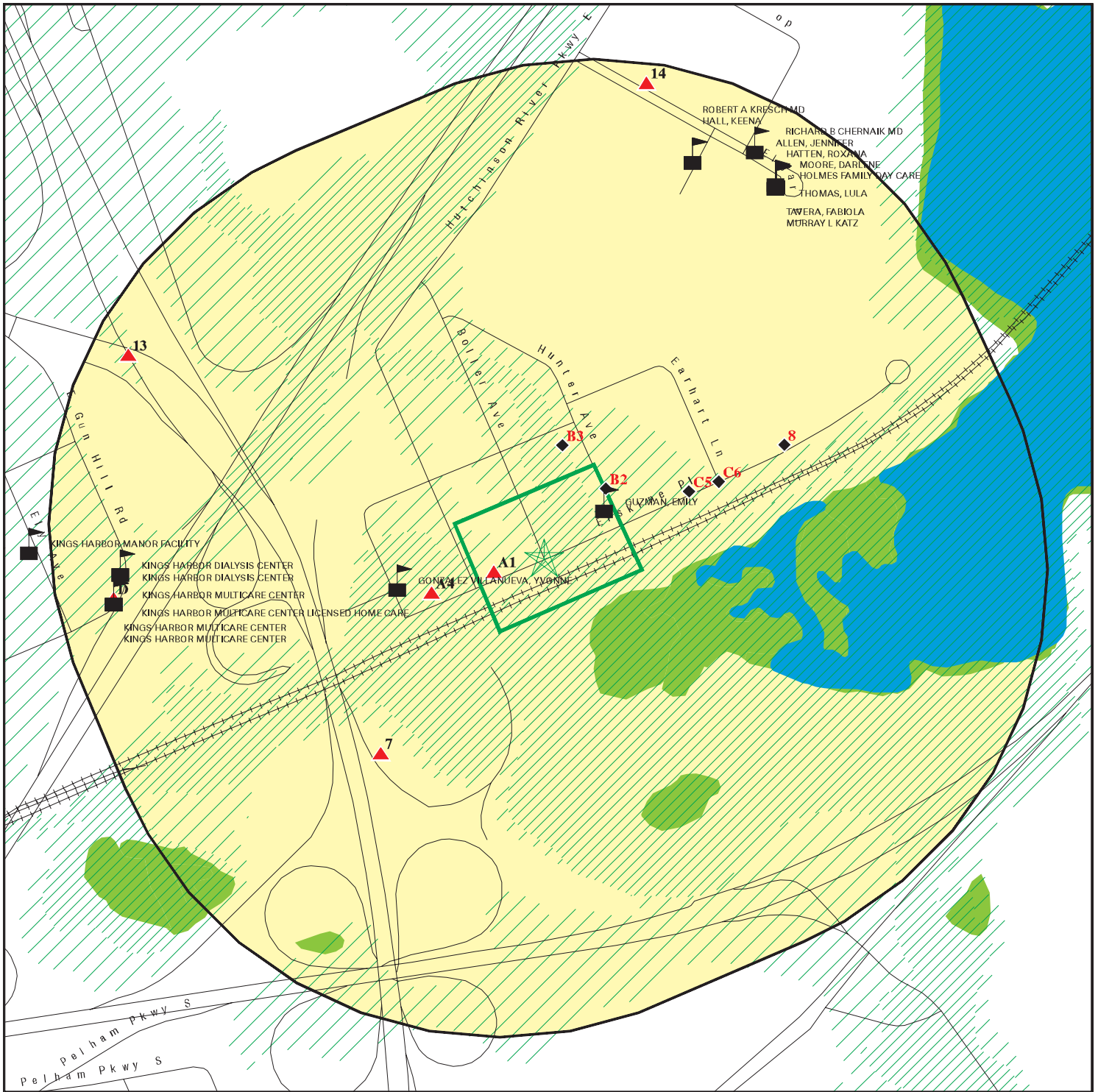
Upgradient Area








This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.






SITE NAME: Proposed CO-Op City Station  
 ADDRESS: Erskine Place/Boller Avenue  
 Bronx NY 10475  
 LAT/LONG: 40.860294 / 73.824606

CLIENT: Fleming-Lee Shue, Inc.  
 CONTACT: Joel Kane  
 INQUIRY #: 5285073.2S  
 DATE: May 08, 2018 9:45 am

# DETAIL MAP - 5285073.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

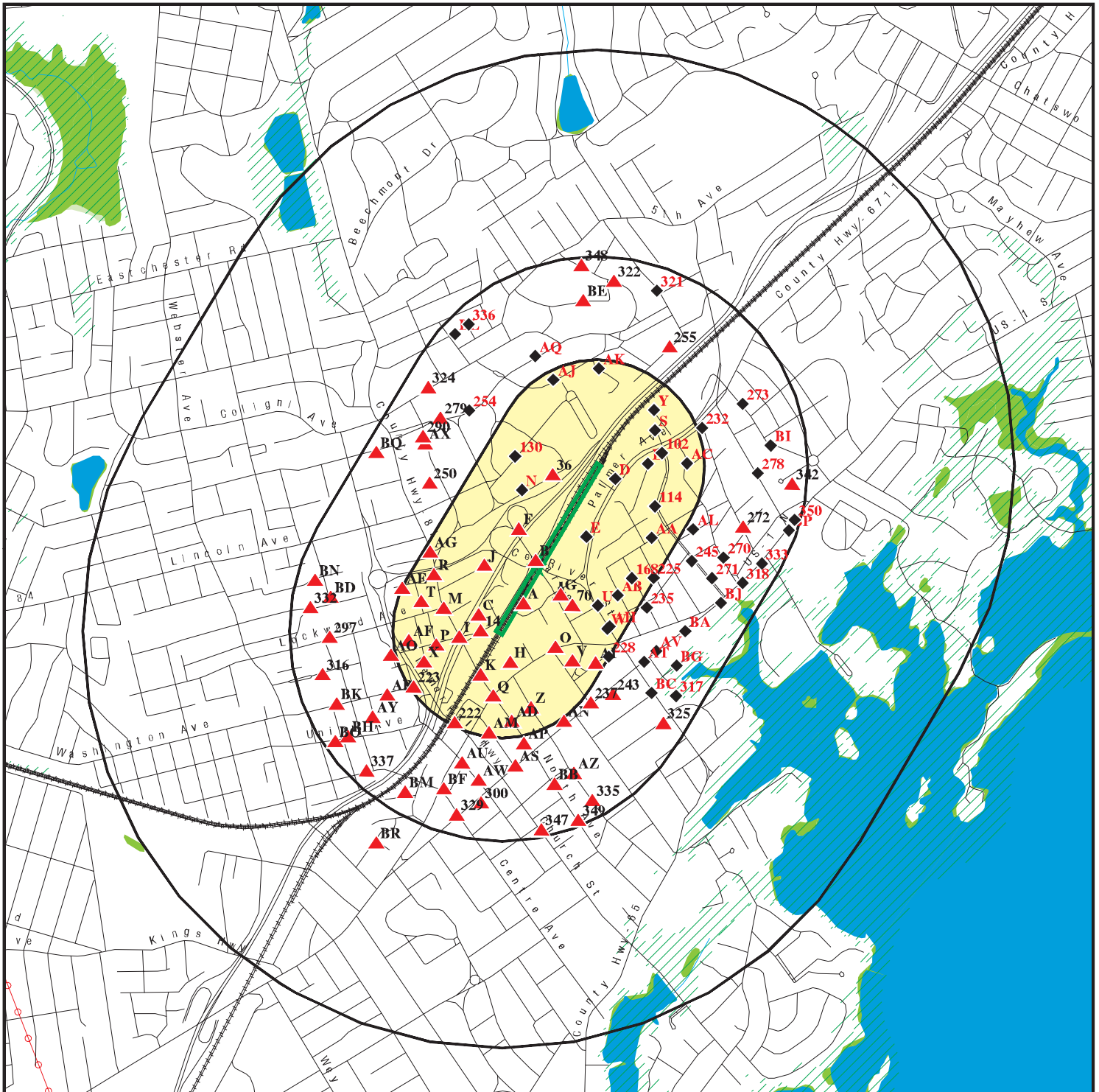
-  Indian Reservations BIA
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

<p><b>SITE NAME:</b> Proposed CO-Op City Station  <b>ADDRESS:</b> Erskine Place/Boller Avenue                  Bronx NY 10475  <b>LAT/LONG:</b> 40.860294 / 73.824606</p>	<p><b>CLIENT:</b> Fleming-Lee Shue, Inc.  <b>CONTACT:</b> Joel Kane  <b>INQUIRY #:</b> 5285073.2s  <b>DATE:</b> May 08, 2018 9:48 am</p>
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# OVERVIEW MAP - 5285088.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

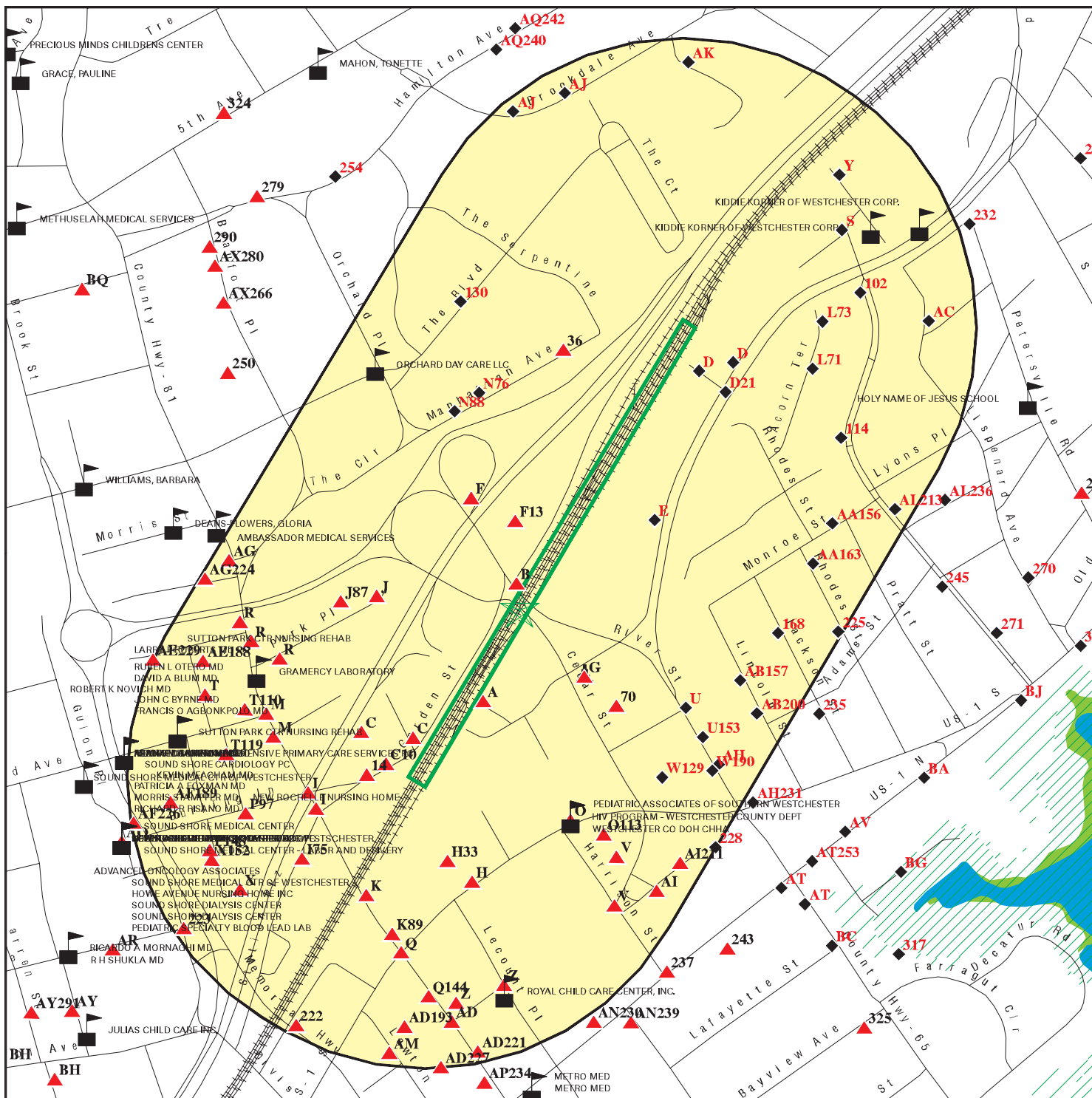
0 1/4 1/2 1 Miles

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Proposed New Rochelle Yard Upgrade  
 ADDRESS: Proposed New Rochelle Yard Upgrade  
 New Rochelle NY 10801  
 LAT/LONG: 40.91599 / 73.780324

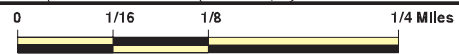
CLIENT: Fleming-Lee Shue, Inc.  
 CONTACT: Joel Kane  
 INQUIRY #: 5285088.2s  
 DATE: May 08, 2018 9:48 am

# DETAIL MAP - 5285088.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Proposed New Rochelle Yard Upgrade  
 ADDRESS: Proposed New Rochelle Yard Upgrade  
 New Rochelle NY 10801  
 LAT/LONG: 40.91599 / 73.780324

CLIENT: Fleming-Lee Shue, Inc.  
 CONTACT: Joel Kane  
 INQUIRY #: 5285088.2s  
 DATE: May 08, 2018 9:49 am





**K.4 TABLE 1. SOIL ANALYTICAL RESULTS**

Table 1  
Soil Analytical Results  
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Northing, Easting, Saturated (S)/Unsaturated (US), Sample Depth (ft, bgs), and various sampling locations (S-1MW to S-13) with their respective analytical results (mg/kg).

Notes:  
All analytical results for soil in milligrams per kilogram (mg/kg).  
All sample depths presented in feet below ground surface.  
NC = No criteria established for this contaminant.  
J = Estimated concentration.  
U = Not detected at the reported detection limit for the sample.  
I = The lower value for the two columns has been reported due to obvious interference.  
P = The RPD between the results for the two columns exceeds the method-specified criteria.  
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.  
USCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375).  
CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).

- = Not Analyzed  
**Bold and italic** Reporting limit exceeds the USCO  
**Bold and italic** Exceeds the USCO  
**Bold and underline** Exceeds the CSCO





Table 1
Soil Analytical Results
Penn Station Access Project 18-186

Table with multiple columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Northing, Easting, Saturate(S)/Unsaturate(US), Sample Depth (ft, bgs), and various soil analytical parameters (S-1Mw to S-13 (0.5-2)) with values, units, and flags.

All analytical results for soil in milligrams per kilogram (mg/kg).

All sample depths presented in feet below ground surface.

NC = No criteria established for this contaminant.

J = Estimated concentration.

U = Not detected at the reported detection limit for the sample.

I = The lower value for the two columns has been reported due to obvious interference.

P = The RPD between the results for the two columns exceeds the method-specified criteria.

E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

UUSCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375).

CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).

- = Not Analyzed

Reporting limit exceeds the UUSCO
Exceeds the UUSCO
Exceeds the CSCO

Table 1
Soil Analytical Results
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Use, Northing, Easting, Saturated (S)/Unsaturated (US), Sample Depth, and 18 columns of analytical results (S-14 to S-23) for various compounds like Volatile Organics, Chlorinated Hydrocarbons, etc.

Notes:
All analytical results for soil in milligrams per kilogram.
All sample depths presented in feet below ground surface.
NC = No criteria established for this contaminant.
J = Estimated concentration.
U = Not detected at the reported detection limit for the sample.
I = The lower value for the two columns has been reported due to obvious interference.
P = The RPD between the results for the two columns exceeds the method-specified criteria.
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the
UUSCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part
CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).
- = Not Analyzed
Reporting limit exceeds the UUSCO
Exceeds the UUSCO
Exceeds the CSCO





Table 1 Soil Analytical Results Penn Station Access Project 18-186

Table with columns: Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Use, Northing, Easting, Saturated (S)/Unsaturated (US), Sample Depth (ft, bgs), and 19 columns for various sampling locations (S-14 to S-23) with sub-columns for 0.5-2 ft depth.

Notes: All analytical results for soil in milligrams per kilogram (mg/kg). All sample depths presented in feet below ground surface. NC = No criteria established for this contaminant. J = Estimated concentration. U = Not detected at the reported detection limit for the sample. I = The lower value for the two columns has been reported due to obvious interference. P = The RPD between the results for the two columns exceeds the method-specified criteria. E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the UUSCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375). - = Not Analyzed

Reporting limit exceeds the UUSCO

Exceeds the UUSCO

Exceeds the CSCO

Table 1
Soil Analytical Results
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Northing, Easting, Saturated (S)/Unsaturated (US), Sample Depth (ft, bgs), and various analytical results for compounds like Volatile Organics, Chlorinated Hydrocarbons, and PCBs across different sites and depths.

Notes:
All analytical results for soil in milligrams per kilogram (mg/kg).
All sample depths presented in feet below ground surface.
NC = No criteria established for this contaminant.
J = Estimated concentration.
U = Not detected at the reported detection limit for the sample.
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- = Not Analyzed
Reporting limit exceeds the UUSCO
Exceeds the UUSCO
Exceeds the CSCO

Table 1 Soil Analytical Results Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Use, Easting, Sample Depth, and various sample locations (S-23 to S-29, BR-1 to BR-6) with their respective analytical results (mg/kg) and detection limits.

Notes: All analytical results for soil in milligrams per kilogram (mg/kg). All sample depths presented in feet below ground surface. NC = No criteria established for this contaminant. J = Estimated concentration. U = Not detected at the reported detection limit for the sample. I = The lower value for the two columns has been reported due to obvious interference. P = The RPD between the results for the two columns exceeds the method-specified criteria. E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the UUSCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375-6) CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375-6)

Reporting limit exceeds the UUSCO Exceeds the UUSCO Exceeds the CSCO

Table 1
Soil Analytical Results
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Northing, Easting, Saturated (S)/Unsaturated (US), Sample Depth (ft, bgs), and various chemical analytes (Organochlorine Pesticides, Total Metals, General Chemistry) across multiple sampling locations and dates.

Notes:
All analytical results for soil in milligrams per kilogram (mg/kg).
All sample depths presented in feet below ground surface.
NC = No criteria established for this contaminant.
J = Estimated concentration.
U = Not detected at the reported detection limit for the sample.
I = The lower value for the two columns has been reported due to obvious interference.
P = The RPD between the results for the two columns exceeds the method-specified criteria.
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the UUSCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375).
C = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).
- = Not Analyzed
Reporting limit exceeds the UUSCO
Exceeds the UUSCO
Exceeds the CSCO





Table 1
Soil Analytical Results
Penn Station Access Project 18-186

Table with columns: Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Northing, Easting, Saturated (S)/Unsaturated (US), Sample Depth (ft, bgs), and 16 columns of sampling locations (BR7, BR-9, BR-10, SS-1, SS-2 MW, SS-3 MW, SS-2 MW, SS-2 MW, SS-3, SS-4, SS-4, SS-5, SS-6 MW, SS-7). Rows list various chemical compounds like Semivolatile Organics, PCBs, and Aroclors with their respective concentrations and units.

Notes:
All analytical results for soil in milligrams per kilogram (mg/kg).
All sample depths presented in feet below ground surface.
NC = No criteria established for this contaminant.
J = Estimated concentration.
U = Not detected at the reported detection limit for the sample.
P = The lower value for the two columns has been reported due to obvious interference.
P = The RPD between the results for the two columns exceeds the method-specified criteria.
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the UUSCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375).
CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).
- = Not Analyzed
Reporting limit exceeds the UUSCO
Exceeds the UUSCO
Exceeds the CSCO



Table 1
Soil Analytical Results
Penn Station Access Project 18-186

Table with 25 columns: Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Use, Northing, Easting, Saturated (S)/Unsaturated (US), Sample Depth (ft, bgs), and 24 columns for various monitoring wells (SS-9MW, SS-10MW, SS-11MW, SS-12MW, SS-13, SS-14, SS-15, SS-16, MP16.8-1, MP16.6-3, MP16.6-3, MP16.6-5). Rows list numerous chemical compounds like Volatile Organics, Chlorinated Hydrocarbons, and Heavy Metals with their respective concentrations and compliance status.

Notes:
All analytical results for soil in milligrams per kilogram.
All sample depths presented in feet below ground surface.
NC = No criteria established for this contaminant.
J = Estimated concentration.
U = Not detected at the reported detection limit for the sample.
I = The lower value for the two columns has been reported due to obvious interference.
P = The RPD between the results for the two columns exceeds the method-specified criteria.
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the USCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).

Reporting limit exceeds the USCO
Exceeds the USCO
Exceeds the CSCO



Table 1
Soil Analytical Results
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Northing, Easting, Saturated (S)/Unsaturated (US), Sample Depth, and various monitoring wells (SS-9MW, SS-10, SS-11, SS-12MW, SS-13, SS-14, SS-14 (8-10), SS-15, SS-15 (0.5-2), SS-16, SS-16 (0.5-2), MP16.8-1, MP16.6-3, MP16.6-3 (0.5-2), MP15.6-5 (0.5-2)).

Notes:
All analytical results for soil in milligrams per kilogram (mg/kg).
All sample depths presented in feet below ground surface.
NC = No criteria established for this contaminant.
J = Estimated concentration.
U = Not detected at the reported detection limit for the sample.
P = The lower value for the two columns has been reported due to obvious interference.
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the
USCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part
USCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).
- = Not Analyzed
Reporting limit exceeds the USUSCO
Exceeds the USUSCO
Exceeds the CSCO



Table 1
Soil Analytical Results
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Use, Northing, Easting, Sample Depth, and various chemical compounds (MP15.6-6, MP15.5-7, MP15.4-9, MP15.3-9, MP15.2-10, MP15.2-10, MP15.0-11, MP15.0-11, MP14.9-13, MP14.7-17) with corresponding concentrations and detection methods.

Notes:
All analytical results for soil in milligrams per kilogram (mg/kg).
All sample depths presented in feet below ground surface.
NC = No criteria established for this contaminant.
J = Estimated concentration.
U = Not detected at the reported detection limit for the sample.
I = The lower value for the two columns has been reported due to obvious interference.
P = The RPD between the results for the two columns exceeds the method-specified criteria.
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the
UUSCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375)
CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).

Legend:
Bold and italic: Reporting limit exceeds the UUSCO
Bold and italic: Exceeds the UUSCO
Bold and underline: Exceeds the CSCO

Table 1
Soil Analytical Results
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Use, Northing, Easting, Saturated (S)/Unsaturated (US), Sample Depth, and various analyte concentrations across multiple sample IDs (MP15.6-6 to MP14.7-17).

Notes:
All analytical results for soil in milligrams per kilogram (mg/kg).
All sample depths presented in feet below ground surface.
NC = No criteria established for this contaminant.
J = Estimated concentration.
U = Not detected at the reported detection limit for the sample.
I = The lower value for the two columns has been reported due to obvious interference.
P = The RPD between the results for the two columns exceeds the method-specified criteria.
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the
USCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375).
CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).
- = Not Analyzed
Bold and italic Reporting limit exceeds the UUSCO
Bold and italic Exceeds the USCO
Bold and underline Exceeds the CSCO



Table 1  
Soil Analytical Results  
Penn Station Access Project 18-186

Matrix Sample ID:	CSCO - Commercial Use (6 NYCRR 375- 6)	UUSCO - Unrestricted Use (6 NYCRR 375- 6)	MP15.6-6 (0.5-2)	MP15.5-7 (0.5-2)	MP15.4-9 (0.5-2)	MP15.3-9 (0.5-2)	MP15.2-10 (0.5-2)	MP15.2-10 (0.5-2)	MP15.0-11 (0.5-2)	MP15.0-11 (0.5-2)	MP14.9-13 (0-1)	MP14.7-17 (0.5-2)					
Lab Sample ID:			L1945231-01	L1943496-03	L1944041-02	L1942636-02	L1944041-03	L1944041-03 R1	L1959857-03	L1959857-03 R1	L1959857-01	L1959280-02					
Date Sampled:			9/30/2019	9/20/2019	9/24/2019	9/17/2019	9/24/2019	9/24/2019	12/13/2019	12/13/2019	12/13/2019	12/11/2019					
Location Description:			Corridor	Corridor	Corridor	Corridor	Corridor	Corridor	Corridor	Corridor	Corridor	Corridor					
Use			253051	252948	252656	252552	252465	252465	251914	251914	251914	251690	251102				
Eastings:	1033774	1033521	1032881	1032653	1032436	1032436	1031165	1031165	1031165	1030660	1029264						
Saturated (S)/Unsaturated (US):	US	US	US	US	US	US	US	US	US	US	US						
Sample Depth (ft, bgs):	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2	0-1	0.5-2						
<b>Organochlorine Pesticides</b>																	
4,4'-DDD	mg/kg	32	0.0033	0.00171	U	0.00173	U	0.00193	U	0.00177	U	0.00176	U	0.00266	U	0.00189	U
4,4'-DDE	mg/kg	62	0.0033	0.00312	U	0.000798	J	0.000795	J	0.00177	U	0.00265	IP	-	-	0.00176	U
4,4'-DDT	mg/kg	47	0.0033	<b>0.0121</b>	U	0.00324	U	<b>0.00362</b>	U	<b>0.00814</b>	U	<b>0.0126</b>	IP	-	-	0.00329	U
Aldrin	mg/kg	0.68	0.005	0.00171	U	0.00173	U	0.00193	U	0.00177	U	0.00175	U	-	-	0.00176	U
Alpha-BHC	mg/kg	3.4	0.02	0.000714	U	0.000721	U	0.000806	U	0.000738	U	0.000731	U	-	-	0.000732	U
Beta-BHC	mg/kg	3	0.036	0.00171	U	0.00173	U	0.00193	U	0.00177	U	0.00175	U	-	-	0.00176	U
Chlordane	mg/kg	NC	NC	0.0139	U	0.0141	U	0.0157	U	0.0144	U	0.0142	U	-	-	0.0143	U
cis-Chlordane	mg/kg	24	0.094	0.00214	U	0.00216	U	0.00242	U	0.00222	U	0.00219	U	-	-	0.00219	U
Delta-BHC	mg/kg	500	0.04	0.00171	U	0.00173	U	0.00193	U	0.00177	U	0.00175	U	-	-	0.00176	U
Dieldrin	mg/kg	1.4	0.005	0.00107	U	0.00108	U	0.00121	U	0.00111	U	0.0011	U	-	-	0.0011	U
Endosulfan I	mg/kg	200	2.4	0.00171	U	0.00173	U	0.00193	U	0.00177	U	0.00175	U	-	-	0.00176	U
Endosulfan II	mg/kg	200	2.4	0.00171	U	0.00173	U	0.00193	U	0.00177	U	0.00175	U	-	-	0.00176	U
Endosulfan sulfate	mg/kg	200	2.4	0.000714	U	0.000721	U	0.000806	U	0.000738	U	0.000731	U	-	-	0.000732	U
Endrin	mg/kg	89	0.014	0.000714	U	0.000721	U	0.000806	U	0.000738	U	0.000731	U	-	-	0.000732	U
Endrin aldehyde	mg/kg	NC	NC	0.00214	U	0.00216	U	0.00242	U	0.00222	U	0.00219	U	-	-	0.00219	U
Endrin ketone	mg/kg	NC	NC	0.00171	U	0.00173	U	0.00193	U	0.00177	U	0.00175	U	-	-	0.00176	U
Heptachlor	mg/kg	15	0.042	0.000857	U	0.000865	U	0.000967	U	0.000896	U	0.000877	U	-	-	0.000878	U
Heptachlor epoxide	mg/kg	NC	NC	0.00321	U	0.00324	U	0.00362	U	0.00332	U	0.00313	J	-	-	0.00329	U
Lindane	mg/kg	9.2	0.1	0.000714	U	0.000721	U	0.000806	U	0.000738	U	0.000731	U	-	-	0.000732	U
Methoxychlor	mg/kg	NC	NC	0.00321	U	0.00324	U	0.00362	U	0.00332	U	0.00329	U	-	-	0.00329	U
Toxaphene	mg/kg	NC	NC	0.00321	U	0.00324	U	0.00362	U	0.00332	U	0.00329	U	-	-	0.00329	U
trans-Chlordane	mg/kg	NC	NC	0.00214	U	0.00216	U	0.00242	U	0.00222	U	0.00219	IP	-	-	0.00219	U
<b>Total Metals</b>																	
Aluminum, Total	mg/kg	NC	NC	6670		7080		10700		9670		3490		-	-	7810	
Antimony, Total	mg/kg	NC	NC	0.606	J	0.793	J	1.59	J	5.47		16		-	-	4.37	U
Arsenic, Total	mg/kg	NC	NC	13		3.9		1.91		12.3		11.5		-	-	0.874	U
Barium, Total	mg/kg	NC	NC	350		65.6		50.4		77		33.5		-	-	65.5	U
Beryllium, Total	mg/kg	590	7.2	0.112	J	0.267	J	0.539	J	0.339	J	0.088	J	-	-	0.14	J
Cadmium, Total	mg/kg	9.3	2.5	0.866	U	0.374	J	0.568	J	0.596	J	1.37		-	-	0.682	J
Calcium, Total	mg/kg	NC	NC	959		923		1220		1670		1960		-	-	1210	
Chromium, Total	mg/kg	NC	NC	22.2		24.2		25.4		53.8		20.9		-	-	36.3	
Cobalt, Total	mg/kg	NC	NC	5.95		10.6		8.17		19		8		-	-	9.02	
Copper, Total	mg/kg	270	50	24.5		20.6		28.4		<b>67.5</b>		<b>187</b>		-	-	18.3	
Iron, Total	mg/kg	NC	NC	16500		14900		17500		24100		32100		-	-	13600	
Lead, Total	mg/kg	1000	63	32.6		13.7		<b>481</b>		<b>104</b>		<b>243</b>		-	-	4.31	J
Magnesium, Total	mg/kg	NC	NC	2910		2660		2520		4080		2000		-	-	3680	
Manganese, Total	mg/kg	10000	1600	135		365		560		447		291		-	-	240	
Mercury, Total	mg/kg	2.8	0.18	0.081		0.07	U	0.091		0.12		0.157		-	-	0.08	U
Nickel, Total	mg/kg	310	30	11.3		25.2		<b>41.9</b>		<b>139</b>		20		-	-	<b>40.7</b>	
Potassium, Total	mg/kg	NC	NC	2540		2000		460		1970		367		-	-	2440	
Selenium, Total	mg/kg	1500	3.9	1.73	U	0.249	J	1.89	U	0.624	J	0.344	J	-	-	1.75	U
Silver, Total	mg/kg	1500	2	0.866	U	0.891	U	0.946	U	0.917	U	0.882	U	-	-	0.874	U
Sodium, Total	mg/kg	NC	NC	56	J	39.4	J	85.4	J	136	J	196	J	-	-	127	J
Thallium, Total	mg/kg	NC	NC	1.73	U	1.78	U	1.89	U	1.83	U	0.379	J	-	-	1.75	U
Vanadium, Total	mg/kg	NC	NC	27.6		22.2		22.6		32.7		32		-	-	24.7	
Zinc, Total	mg/kg	10000	109	36.2		31.3		50.2		79.1		<b>132</b>		-	-	30	
<b>General Chemistry</b>																	
Cyanide, Total	mg/kg	27	27	1.1	U	1	U	1.2	U	1.1	U	1.1	U	-	-	1	U
Solids, Total	%	NC	NC	90.2		89.8		80.7		86.3		88.6		-	-	87.9	

Notes:  
All analytical results for soil in milligrams per kilogram (mg/kg).  
All sample depths presented in feet below ground surface.  
NC = No criteria established for this contaminant.  
J = Estimated concentration.  
U = Not detected at the reported detection limit for the sample.  
I = The lower value for the two columns has been reported due to obvious interference.  
P = The RPD between the results for the two columns exceeds the method-specified criteria.  
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the UUSCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).  
- = Not Analyzed

**Bold and italic** Reporting limit exceeds the UUSCO  
**Bold and italic** Exceeds the UUSCO  
**Bold and underline** Exceeds the CSCO

Table 1  
Soil Analytical Results  
Penn Station Access Project 18-186

Table with columns: Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Northing, Easting, Saturated (S)/Unsaturated (US), Sample Depth (ft, bgs), and 16 analytical parameters (MP14.6-18 (0.5-2) to MP15.6-31 (0.5-2)). Rows include various chemical compounds like Volatile Organics, Chlorinated Hydrocarbons, and PCBs, with values in mg/kg and compliance status (NC, U, J, E).

Notes:  
All analytical results for soil in milligrams per kilogram (mg/kg).  
All sample depths presented in feet below ground surface.  
NC = No criteria established for this contaminant.  
U = Estimated concentration.  
J = Not detected at the reported detection limit for the sample.  
L = The lower value for the two columns has been reported due to obvious interference.  
P = The RPD between the results for the two columns exceeds the method-specified criteria.  
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the  
USCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part  
CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).  
- = Not Analyzed  
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Table 1  
Soil Analytical Results  
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Northing, Easting, Saturated (S)/Unsaturated (US), and 16 pairs of analytical data columns representing different soil samples. Rows include various chemical compounds like Semivolatile Organics, Polychlorinated Biphenyls, and PCBs.

Notes:  
All analytical results for soil in milligrams per kilogram (mg/kg).  
All sample depths presented in feet below ground surface.  
NC = No criteria established for this contaminant.  
J = Estimated concentration.  
U = Not detected at the reported detection limit for the sample.  
P = The lower value for the two columns has been reported due to obvious interference.  
E = The RPD between the results for the two columns exceeds the method-specified criteria.  
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the  
CSCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375-6)  
UUSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375-6)  
- = Not Analyzed  
Reporting limit exceeds the UUSCO  
**Reporting limit exceeds the UUSCO**  
Exceeds the CSCO  
**Exceeds the CSCO**







Table 1  
Soil Analytical Results  
Penn Station Access Project 18-186

Table with 19 columns representing different Matrix Sample IDs (e.g., MP13.5-33 (0.5-2), MP15.4-34 (0.5-2), etc.) and rows listing various chemical compounds (e.g., 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, etc.) with their respective concentrations and compliance status (CSCO, UUSCO, NC, U).

Notes:  
All analytical results for soil in milligrams per kilogram (mg/kg).  
All sample depths presented in feet below ground surface.  
NC = No criteria established for this contaminant.  
J = Estimated concentration.  
U = Not detected at the reported detection limit for the sample.  
P = The lower value for the two columns has been reported due to obvious interference.  
P = The RPD between the results for the two columns exceeds the method-specified criteria.  
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the  
USCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part  
CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).  
- = Not Analyzed  
**and italic** Reporting limit exceeds the UUSCO  
**and italic** Exceeds the USCO  
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Table 1  
Soil Analytical Results  
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Use, Northing, Easting, Saturated (S)/Unsaturated (US), Sample Depth (ft, bgs), and various analytical results for pesticides, metals, and general chemistry across multiple sites and depths.

Notes:  
All analytical results for soil in milligrams per kilogram (mg/kg).  
All sample depths presented in feet below ground surface.  
NC = No criteria established for this contaminant.  
J = Estimated concentration.  
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- = Not Analyzed

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Table 1  
Soil Analytical Results  
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Northing, Easting, Saturated (S)/Unsaturated (US), Sample Depth (ft, bgs), and 18 columns for various MP12 and MP11 sample IDs. Rows list various chemical compounds like Volatile Organics, Chlorinated Hydrocarbons, and PCBs with their respective concentrations and units.

Notes:  
All analytical results for soil in milligrams per kilogram (mg/kg).  
All sample depths presented in feet below ground surface.  
NC = No criteria established for this contaminant.  
J = Estimated concentration.  
U = Not detected at the reported detection limit for the sample.  
I = The lower value for the two columns has been reported due to obvious interference.  
P = The RPD between the results for the two columns exceeds the method-specified criteria.  
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the USCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).

- = Not Analyzed  
**Bold and italic** Reporting limit exceeds the USCO  
**Bold and italic** Exceeds the USCO  
**Bold and underline** Exceeds the CSCO



Table 1
Soil Analytical Results
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Northing, Easting, Sample Depth, and various sample IDs (MP12.2-50, MP12.2-50 (0.5-2), etc.) with corresponding analytical results.

Notes:
All analytical results for soil in milligrams per kilogram (mg/kg).
All sample depths presented in feet below ground surface.
NC = No criteria established for this contaminant.
J = Estimated concentration.
U = Not detected at the reported detection limit for the sample.
I = The lower value for the two columns has been reported due to obvious interference.
P = The RPD between the results for the two columns exceeds the method-specified criteria.
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the
USCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part
USCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).
- = Not Analyzed
Reporting limit exceeds the UUSCO
Exceeds the USCO
Exceeds the CSO

Table 1  
Soil Analytical Results  
Penn Station Access Project 18-186

Table with columns: Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Use, Northing, Easting, Saturated (S)/Unsaturated (US), Sample Depth (ft, bgs), and various monitoring points (MP12.2-50, MP12.2-50, MP12.1-51, etc.). Rows include various pesticides like DDT, Aldrin, Endosulfan, and metals like Aluminum, Antimony, Arsenic, etc.

Notes:  
All analytical results for soil in milligrams per kilogram (mg/kg).  
All sample depths presented in feet below ground surface.  
NC = No criteria established for this contaminant.  
J = Estimated concentration.  
U = Not detected at the reported detection limit for the sample.  
I = The lower value for the two columns has been reported due to obvious interference.  
P = The RPD between the results for the two columns exceeds the method-specified criteria.  
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the UUSCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375).  
C = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).  
- = Not Analyzed

Legend table with 4 rows: Bold and italic, Bold and italic, Bold and italic, Bold and underline. Reporting limit exceeds the UUSCO. Exceeds the UUSCO. Exceeds the CSCO.

Table 1  
Soil Analytical Results  
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Use, Northing, Easting, Saturated (S)/Unsaturated (US), Sample Depth (ft, bgs), and 16 analytical parameters (MP11.4-63 to MP10.1-83) with their respective results and units.

Notes:  
All analytical results for soil in milligrams per kilogram (mg/kg).  
All sample depths presented in feet below ground surface.  
NC = No criteria established for this contaminant.  
J = Estimated concentration.  
U = Not detected at the reported detection limit for the sample.  
L = The lower value for the two columns has been reported due to obvious interference.  
P = The RPD between the results for the two columns exceeds the method-specified criteria.  
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the UUSCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).

Legend table with 3 rows: Bold and italic (Reporting limit exceeds the UUSCO), Bold and italic (Exceeds the UUSCO), Bold and underline (Exceeds the CSCO).

Table 1
Soil Analytical Results
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Northing, Easting, Saturated (S)/Unsaturated (US), Sample Depth (ft, bgs), and 18 columns of analytical results for various chemical compounds across different sample locations.

Notes:
All analytical results for soil in milligrams per kilogram (mg/kg).
All sample depths presented in feet below ground surface.
NC = No criteria established for this contaminant.
J = Estimated concentration.
U = Not detected at the reported detection limit for the sample.
I = The lower value for the two columns has been reported due to obvious interference.
P = The RPD between the results for the two columns exceeds the method-specified criteria.
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the
USCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375).
CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).
- = Not Analyzed
Reporting limit exceeds the USCO
Exceeds the USCO
Exceeds the CSCO



Table 1  
Soil Analytical Results  
Penn Station Access Project 18-186

Matrix Sample ID: Lab Sample ID: Date Sampled: Location Description: Use: Northing: Easting: Saturated (S)/Unsaturated (US): Sample Depth (ft. bgs):	CSCO - Commercial Use (6 NYCRR 375- 6)	UUSCO - Unrestricted (6 NYCRR 375- 6)	MP11.4-63 (0.5-2)	MP11.3-65 (0.5-2)	MP11.2-66 (0.5-2)	MP11.2-67 (0.5-2)	MP11.2-67 (0.5-2)	MP11.1-68 (0.5-2)	MP11.0-69 (0.5-2)	MP11.0-70 (0.5-2)	MP11.0-71 (0.5-2)	MP10.9-73 0.5-2	MP10.7-75 (0.5-2)	MP10.4-77 (0.5-2)	MP10.3-79 (0.5-2)	MP10.2-81 (0.5-2)	MP10.1-83 (0.5-2)	MP10.1-83 (0.5-2)	
			L1952759-01 11/6/2019 Corridor 242032 1016647 US 0.5-2	L1949904-04 10/23/2019 Corridor 240901 1015909 US 0.5-2	L1950254-01 10/24/2019 Corridor 240660 1015909 US 0.5-2	L1949904-02 10/23/2019 Corridor 240390 1015889 US 0.5-2	L1949904-02 R1 10/23/2019 Corridor 240390 1015889 US 0.5-2	L1950254-03 10/24/2019 Corridor 240141 1015861 US 0.5-2	L1949591-03 10/25/2019 Corridor 239890 1015829 US 0.5-2	L1950537-02 10/22/2019 Corridor 239641 1015808 US 0.5-2	L1949591-05 10/22/2019 Corridor 239376 1015750 US 0.5-2	L1949591-01 10/22/2019 Corridor 238833 1015147 US 0.5-2	L1949373-02 10/21/2019 Corridor 238459 1014037 US 0.5-2	L1950974-03 10/29/2019 Corridor 237281 1013742 US 0.5-2	L1950974-01 10/29/2019 Corridor 236881 1013742 US 0.5-2	L1951803-07 11/1/2019 Corridor 236280 1013306 US 0.5-2	L1952177-03 11/4/2019 Corridor 235838 1012929 US 0.5-2	L1952177-03 R1 11/4/2019 Corridor 235838 1012929 US 0.5-2	
<b>Organochlorine Pesticides</b>																			
4,4'-DDD	mg/kg	32	0.0033	0.00176	U	0.00179	U	0.00196	U	0.00184	U	-	-	0.00176	U	-	-	0.00176	U
4,4'-DDE	mg/kg	62	0.0033	<b>0.00506</b>	IP	0.00179	U	<b>0.00456</b>	IP	0.00184	U	-	-	<b>0.00874</b>	J	-	-	<b>0.00636</b>	J
4,4'-DDT	mg/kg	47	0.0033	<b>0.00336</b>	U	<b>0.00336</b>	U	<b>0.0136</b>	IP	<b>0.00344</b>	U	-	-	0.00313	U	-	-	<b>0.00376</b>	U
Aldrin	mg/kg	0.68	0.005	0.00166	JIP	0.00179	U	0.00196	U	0.00184	U	-	-	0.00176	U	-	-	0.00201	U
Alpha-BHC	mg/kg	3.4	0.02	0.000735	U	0.000746	U	0.000816	U	0.000765	U	-	-	0.000734	U	-	-	0.000696	U
Beta-BHC	mg/kg	3	0.036	0.00176	U	0.00179	U	0.00196	U	0.00184	U	-	-	0.00176	U	-	-	0.00167	U
Chlordane	mg/kg	NC	NC	0.0143	U	0.0113	J	0.0159	U	0.0143	U	-	-	0.0991	IP	-	-	0.0163	U
cis-Chlordane	mg/kg	24	0.094	0.0022	U	0.00224	U	0.00232	J	0.00229	U	-	-	0.00309	U	-	-	0.0014	JIP
Delta-BHC	mg/kg	500	0.04	0.00176	U	0.00179	U	0.00196	U	0.00184	U	-	-	0.00176	U	-	-	0.00201	U
Diendrin	mg/kg	1.4	0.005	0.0011	U	0.00112	U	0.00115	U	0.00115	U	-	-	0.00104	U	-	-	0.00125	U
Endosulfan I	mg/kg	200	2.4	0.00176	U	0.00179	U	0.00196	U	0.00184	U	-	-	0.00176	U	-	-	0.00201	U
Endosulfan II	mg/kg	200	2.4	0.00176	U	0.00179	U	0.00196	U	0.00184	U	-	-	0.00176	U	-	-	0.00201	U
Endosulfan sulfate	mg/kg	200	2.4	0.000735	U	0.000746	U	0.000816	U	0.000765	U	-	-	0.000734	U	-	-	0.000696	U
Endrin	mg/kg	89	0.014	0.000735	U	0.000746	U	0.000816	U	0.000765	U	-	-	0.000734	U	-	-	0.000696	U
Endrin aldehyde	mg/kg	NC	NC	0.0022	U	0.00224	U	0.00245	U	0.00229	U	-	-	0.0022	U	-	-	0.00209	U
Endrin ketone	mg/kg	NC	NC	0.00176	U	0.00179	U	0.00196	U	0.00184	U	-	-	0.00176	U	-	-	0.00201	U
Heptachlor	mg/kg	15	0.042	0.000882	U	0.000895	U	0.000979	U	0.000918	U	-	-	0.000836	U	-	-	0.001	U
Heptachlor epoxide	mg/kg	NC	NC	0.00331	U	0.00336	U	0.00367	U	0.00344	U	-	-	0.0033	U	-	-	0.00376	U
Lindane	mg/kg	9.2	0.1	0.000735	U	0.000746	U	0.000816	U	0.000765	U	-	-	0.000734	U	-	-	0.000696	U
Methoxychlor	mg/kg	NC	NC	0.00331	U	0.00336	U	0.00367	U	0.00344	U	-	-	0.0033	U	-	-	0.00376	U
Toxaphene	mg/kg	NC	NC	0.0331	U	0.0336	U	0.0367	U	0.0344	U	-	-	0.033	U	-	-	0.0376	U
trans-Chlordane	mg/kg	NC	NC	0.00384	IP	0.00152	JIP	0.00245	U	0.00113	JIP	-	-	0.0022	U	-	-	0.000959	JIP
<b>Total Metals</b>																			
Aluminum, Total	mg/kg	NC	NC	5980		6530		6990		7040		-	-	4070		-	-	5630	
Antimony, Total	mg/kg	NC	NC	13.8		11.2	J	11.2		4.24	J	-	-	9.57		-	-	3.95	J
Arsenic, Total	mg/kg	13		<b>36.3</b>		11.2		<b>114</b>		<b>39.2</b>		-	-	<b>119</b>		-	-	<b>22.2</b>	
Barium, Total	mg/kg	400		350		49.3		145		111		-	-	114		-	-	114	
Beryllium, Total	mg/kg	590	7.2	0.15	J	0.455		0.303	J	0.228	J	-	-	0.395	J	-	-	0.151	J
Cadmium, Total	mg/kg	9.3	2.5	<b>3.7</b>		1.68		<b>3.21</b>		2.37		-	-	<b>2.85</b>		-	-	0.838	U
Calcium, Total	mg/kg	NC	NC	2630		23600		3810		5560		-	-	4680		-	-	9490	
Chromium, Total	mg/kg	NC	NC	26.6		24.3		32.7		24.9		-	-	44.1		-	-	34.9	
Cobalt, Total	mg/kg	NC	NC	10.6		8.16		14.5		12.6		-	-	7.56		-	-	17.8	
Copper, Total	mg/kg	270	50	<b>648</b>		<b>96</b>		<b>322</b>		<b>181</b>		-	-	<b>231</b>		-	-	<b>114</b>	
Iron, Total	mg/kg	NC	NC	38800		20000		43000		32900		-	-	22000		-	-	71200	
Lead, Total	mg/kg	1000	63	<b>407</b>		<b>227</b>		<b>317</b>		<b>327</b>		-	-	<b>390</b>		-	-	<b>176</b>	
Magnesium, Total	mg/kg	NC	NC	2290		2880		2870		3100		-	-	1770		-	-	3850	
Manganese, Total	mg/kg	10000	1600	361		218		351		368		-	-	726		-	-	219	
Mercury, Total	mg/kg	2.8	0.18	<b>2.72</b>		0.104		<b>0.45</b>		<b>0.536</b>		-	-	<b>0.783</b>		-	-	<b>0.251</b>	
Nickel, Total	mg/kg	310	30	22		19.6		<b>40.2</b>		27.6		-	-	<b>31.5</b>		-	-	<b>30.9</b>	
Potassium, Total	mg/kg	NC	NC	448		1150		1090		1370		-	-	648		-	-	4440	
Selenium, Total	mg/kg	1500	3.9	1.62	J	1.82		2.48		0.65	J	-	-	2.41		-	-	1.05	J
Silver, Total	mg/kg	1500	2	0.885	U	0.91	U	0.979	U	0.878	U	-	-	0.266	J	-	-	0.838	U
Sodium, Total	mg/kg	NC	NC	192		236		182		173		-	-	213		-	-	653	
Thallium, Total	mg/kg	NC	NC	1.77	U	1.82	U	1.96	U	1.76	U	-	-	1.68	U	-	-	0.485	J
Vanadium, Total	mg/kg	NC	NC	55		71.8		80.2		60.2		-	-	38.2		-	-	98	
Zinc, Total	mg/kg	10000	109	<b>311</b>		<b>234</b>		<b>188</b>		<b>266</b>		-	-	<b>163</b>		-	-	<b>162</b>	
<b>General Chemistry</b>																			
Cyanide, Total	mg/kg	27	27	1.2	U	1.1	U	1.2	U	1.1	U	-	-	0.34	J	-	-	0.39	J
Solids, Total	%	NC	NC	85.5		87.2		79.2		86.9		-	-	90.2		-	-	88.8	

Notes:  
All analytical results for soil in milligrams per kilogram (mg/kg).  
All sample depths presented in feet below ground surface.  
NC = No criteria established for this contaminant.  
J = Estimated concentration.  
U = Not detected at the reported detection limit for the sample.  
I = The lower value for the two columns has been reported due to obvious interference.  
P = The RPD between the results for the two columns exceeds the method-specified criteria.  
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the UUSCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).  
- = Not Analyzed  
**Bold and italic** Reporting limit exceeds the UUSCO  
**Bold and italic** Exceeds the UUSCO  
**Bold and underline** Exceeds the CSCO

Table 1  
Soil Analytical Results  
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Use, Northing, Easting, Saturated (S)/Unsaturated (US), Sample Depth (ft, bgs), and 12 columns of analytical data (MP16.0-95 (0.5-2) to MP9.4-95 (0.5-2)).

Notes:  
All analytical results for soil in milligrams per kilogram (mg/kg).  
All sample depths presented in feet below ground surface.  
NC = No criteria established for this contaminant.  
J = Estimated concentration.  
U = Not detected at the reported detection limit for the sample.  
L = The lower value for the two columns has been reported due to obvious interference.  
P = The RPD between the results for the two columns exceeds the method-specified criteria.  
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the  
USCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part  
CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).  
- = Not Analyzed

**Bold and italic** Reporting limit exceeds the USCO  
**Bold and italic** Exceeds the USCO  
**Bold and underline** Exceeds the CSCO

Table 1 Soil Analytical Results Penn Station Access Project 18-186

Table with 12 main columns for sample IDs (Matrix, Lab, Date, Location, Use, Easting, Sat/Unsat) and 12 sub-columns for MP9 samples (MP9.0-85 to MP9.4-95). Each sub-column includes CSCO and UUSCO status, and 13 data points for depths 0.5-2 and 2-5 feet.

Notes: All analytical results for soil in milligrams per kilogram (mg/kg). All sample depths presented in feet below ground surface. NC = No criteria established for this contaminant. J = Estimated concentration. U = Not detected at the reported detection limit for the sample. I = The lower value for the two columns has been reported due to obvious interference. P = The RPD between the results for the two columns exceeds the method-specified criteria. E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the UUSCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375). - = Not Analyzed

Legend table: Bold and italic - Reporting limit exceeds the UUSCO; Bold and italic - Exceeds the UUSCO; Bold and underline - Exceeds the CSCO

Table 1  
Soil Analytical Results  
Penn Station Access Project 18-186

Table with columns: Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Northing, Easting, Saturated (S)/Unsaturated (US), Sample Depth (ft, bgs), and 12 analytical columns (MP16.0-85, MP9.9-87, MP9.8-89, MP9.7-90, MP9.6-91, MP9.6-91, MP9.6-92, MP9.6-93, MP9.5-94, MP9.4-95). Rows include pesticides (e.g., DDT, Aldrin, Dieldrin), metals (e.g., Aluminum, Arsenic, Barium), and general chemistry (e.g., Cyanide, Solids).

Notes:  
All analytical results for soil in milligrams per kilogram (mg/kg).  
All sample depths presented in feet below ground surface.  
NC = No criteria established for this contaminant.  
J = Estimated concentration.  
U = Not detected at the reported detection limit for the sample.  
I = The lower value for the two columns has been reported due to obvious interference.  
P = The RPD between the results for the two columns exceeds the method-specified criteria.  
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the UUSCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).  
- = Not Analyzed  
**bold and italic** Reporting limit exceeds the UUSCO  
**bold and italic** Exceeds the UUSCO  
**bold and underline** Exceeds the CSCO





Table 1  
Soil Analytical Results  
Penn Station Access Project 18-186

Table with columns: Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Use, Northing, Easting, Saturated (S)/Unsaturated (US), Sample Depth (ft, bgs), and five columns of analytical results (MP19.6-96, MP 19.6-97, MP19.7-98, MP19.7-98, MP 19.7-99) with sub-columns for CSCO, UUSCO, and various dates and corridors.

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg).

All sample depths presented in feet below ground surface.

NC = No criteria established for this contaminant.

J = Estimated concentration.

U = Not detected at the reported detection limit for the sample.

I = The lower value for the two columns has been reported due to obvious interference.

P = The RPD between the results for the two columns exceeds the method-specified criteria.

E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the

UUSCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part

CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).

- = Not Analyzed

**and italic** Reporting limit exceeds the UUSCO

**and italic** Exceeds the UUSCO

**and underline** Exceeds the CSCO

Table 1  
Soil Analytical Results  
Penn Station Access Project 18-186

Matrix Sample ID:	CSCO - Commercial		UUSCO - Unrestricted		MP19.6-96 (0.5-2)	MP 19.6-97 (0.5-2)	MP19.7-98 (0.5-2)	MP19.7-98 (0.5-2)	MP 19.7-99 (0.5-2)					
Lab Sample ID:	(6 NYCRR 375-6)		(6 NYCRR 375-6)		L2003016-01	L2003846-01	L2003504-02	L2003504-02 R1	L2003846-02					
Date Sampled:	1/22/2020		1/28/2020		1/22/2020	1/28/2020	1/24/2020	1/24/2020	1/28/2020					
Location Description:	Corridor		Corridor		Corridor	Corridor	Corridor	Corridor	Corridor					
Use:	271959		272258		272561	272561	272561	272561	272849					
Eastings:	1044358		1044546		1044718	1044718	1044718	1044718	1044914					
Saturated (S)/Unsaturated (US):	US		US		US	US	US	US	US					
Sample Depth (ft, bgs):	0.5-2		0.5-2		0.5-2	0.5-2	0.5-2	0.5-2	0.5-2					
<b>Organochlorine Pesticides</b>														
4,4'-DDD	mg/kg	92	0.0033	0.0018	U	0.00185	U	0.00201	U	-	-	0.00173	U	
4,4'-DDE	mg/kg	62	0.0033	0.0018	U	0.00185	U	0.00201	U	-	-	0.000773	J	
4,4'-DDT	mg/kg	47	0.0033	<b>0.0172</b>		<b>0.00346</b>	U	<b>0.00377</b>	U	-	-	0.00325	U	
Aldrin	mg/kg	0.68	0.005	0.0018	U	0.00185	U	0.00201	U	-	-	0.00173	U	
Alpha-BHC	mg/kg	3.4	0.02	0.0075	U	0.00077	U	0.000838	U	-	-	0.000723	U	
Beta-BHC	mg/kg	3	0.036	0.0018	U	0.00185	U	0.00201	U	-	-	0.00173	U	
Chlordane	mg/kg	NC	NC	0.0291	U	0.0154	U	0.0163	U	-	-	0.0144	U	
cis-Chlordane	mg/kg	5103-71-9	0.094	0.00246		0.00231	U	0.00252	U	-	-	0.00217	U	
Delta-BHC	mg/kg	319-86-8	500	0.04	0.0018	0.00185	U	0.00201	U	-	-	0.00173	U	
Dieldrin	mg/kg	60-57-1	1.4	0.005	0.0012	U	0.00115	U	0.00126	U	-	-	0.00108	U
Endosulfan I	mg/kg	959-98-8	200	2.4	0.0018	U	0.00185	U	0.00201	U	-	-	0.00173	U
Endosulfan II	mg/kg	33213-65-9	200	2.4	0.0018	U	0.00185	U	0.00201	U	-	-	0.00173	U
Endosulfan sulfate	mg/kg	1031-07-8	200	2.4	0.0075	U	0.00077	U	0.000838	U	-	-	0.000723	U
Endrin	mg/kg	72-20-8	89	0.014	0.0075	U	0.00077	U	0.000838	U	-	-	0.000723	U
Endrin aldehyde	mg/kg	7421-93-4	NC	NC	0.00225	U	0.00231	U	0.00252	U	-	-	0.00217	U
Endrin ketone	mg/kg	53494-70-5	NC	NC	0.0018	U	0.00185	U	0.00201	U	-	-	0.00173	U
Heptachlor	mg/kg	76-44-8	15	0.042	0.0009	U	0.000924	U	0.00101	U	-	-	0.000867	U
Heptachlor epoxide	mg/kg	1024-57-3	NC	NC	0.00337	U	0.00346	U	0.00377	U	-	-	0.00325	U
Lindane	mg/kg	58-89-9	9.2	0.1	0.0075	U	0.00077	U	0.000838	U	-	-	0.000723	U
Methoxychlor	mg/kg	72-43-5	NC	NC	0.00337	U	0.00346	U	0.00377	U	-	-	0.00325	U
Toxaphene	mg/kg	8001-35-2	NC	NC	0.0337	U	0.0346	U	0.0377	U	-	-	0.0325	U
trans-Chlordane	mg/kg	5103-74-2	NC	NC	0.00225	U	0.000651	JIP	0.00252	U	-	-	0.00217	U
<b>Total Metals</b>														
Aluminum, Total	mg/kg	7429-90-5	NC	NC	9570		11000		5810		-	-	11100	
Antimony, Total	mg/kg	7440-36-0	NC	NC	2.29	U	3.51	J	6.95		-	-	1.94	J
Arsenic, Total	mg/kg	7440-39-2	16	13	7.26		<b>19.5</b>		<b>19.6</b>		-	-	9	
Barium, Total	mg/kg	7440-39-3	400	350	105		130	J	88.3		-	-	88.3	
Beryllium, Total	mg/kg	7440-41-7	590	7.2	0.229	U	0.344	J	0.265	J	-	-	0.441	
Cadmium, Total	mg/kg	7440-43-9	9.3	2.5	0.979		0.642	J	1.05		-	-	0.467	J
Calcium, Total	mg/kg	7440-70-2	NC	NC	3920		4200		2110		-	-	1160	
Chromium, Total	mg/kg	7440-47-3	NC	NC	25.4		41.8		14.1		-	-	20.6	
Cobalt, Total	mg/kg	7440-48-4	NC	NC	11.6		14.3		9.54		-	-	9.69	
Copper, Total	mg/kg	7440-50-8	270	50	44		<b>78.4</b>		<b>92.7</b>		-	-	<b>51.4</b>	
Iron, Total	mg/kg	7439-89-6	NC	NC	18100		27000		16100		-	-	18200	
Lead, Total	mg/kg	7439-92-1	1000	63	34.1		60.7		<b>212</b>		-	-	<b>74.6</b>	
Magnesium, Total	mg/kg	7439-95-4	NC	NC	4530		5830		3090		-	-	3340	
Manganese, Total	mg/kg	7439-96-5	10000	1600	303		358		291		-	-	283	
Mercury, Total	mg/kg	7439-97-6	2.8	0.18	0.115		<b>0.278</b>		<b>0.478</b>		-	-	0.158	
Nickel, Total	mg/kg	7440-02-0	310	30	22.7		<b>33.2</b>		16		-	-	17.5	
Potassium, Total	mg/kg	7440-09-7	NC	NC	6410		6050		1350		-	-	2330	
Selenium, Total	mg/kg	7782-49-2	1500	3.9	0.558	J	0.443	J	0.392	J	-	-	0.288	J
Silver, Total	mg/kg	7440-22-4	1500	2	0.458		ND		0.981	U	-	-	ND	
Sodium, Total	mg/kg	7440-23-5	NC	NC	90.3	J	178	J	65.4	J	-	-	77.8	J
Thallium, Total	mg/kg	7440-28-0	NC	NC	0.915	U	1.81	U	1.96	U	-	-	1.7	U
Vanadium, Total	mg/kg	7440-62-2	NC	NC	31.6		47.2		20.2		-	-	30.4	
Zinc, Total	mg/kg	7440-66-6	10000	109	67.4		96		<b>137</b>		-	-	98.9	
<b>General Chemistry</b>														
Cyanide, Total	mg/kg	57-12-5	27	27	1.1	U	1.1	U	1.2	U	-	-	1.1	U
Solids, Total	%	NONE	NC	NC	84.5		86.1		79.1		-	-	90.3	

Notes:  
 All analytical results for soil in milligrams per kilogram (mg/kg).  
 All sample depths presented in feet below ground surface.  
 NC = No criteria established for this contaminant.  
 J = Estimated concentration.  
 U = Not detected at the reported detection limit for the sample.  
 I = The lower value for the two columns has been reported due to obvious interference.  
 P = The RPD between the results for the two columns exceeds the method-specified criteria.  
 E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the UUSCO = NYSDEC's December 2006 Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part CSCO = NYSDEC's December 2006 Commercial Soil Cleanup Objectives (6 NYCRR Part 375).  
 - = Not Analyzed  
**Bold and italic** Reporting limit exceeds the UUSCO  
**Bold and italic** Exceeds the UUSCO  
**Bold and underline** Exceeds the CSCO







**K.5 TABLE 2. SOIL WASTE CLASSIFICATION RESULTS**



**Table 2  
Soil Waste Classification Results  
Penn Station Access Project 18-186**

Matrix Sample ID:	EPA Table 1: Maximum Concentration for TCLP			COMP-S1MWD/S20	COMP-S2/S21	COMP-S3/S22	COMP-S4/S23	COMP-S5MW	COMP-S6	COMP-S7	COMP-S8						
Lab Sample ID:				L1945060-01	L1943391-01	L1943201-01	L1941955-01	L1943901-01	L1944541-01	L1945054-01	L1945064-01						
Date Sampled:				9/17/2019	9/13/2019	9/12/2019	9/9/2019	9/10/2019	9/13/2019	9/18/2019	9/18/2019						
Location Description:				Co-Op City Station	Co-Op City Station	Co-Op City Station	Co-Op City Station	Morris Park Station	Morris Park Station	Morris Park Station	Morris Park Station						
Sample Depth (ft, bgs):				0-10	0-5.5	0-5	0-13	0-10	0-10	0-10	0-10						
<b>TCLP Volatiles</b>																	
1,1-Dichloroethene	75-35-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,2-Dichloroethane	107-06-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,4-Dichlorobenzene	106-46-7	mg/l	7.5	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Butanone	78-93-3	mg/l	200	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzene	71-43-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Carbon tetrachloride	56-23-5	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chlorobenzene	108-90-7	mg/l	100	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	67-66-3	mg/l	6	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
Tetrachloroethene	127-18-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Trichloroethene	79-01-6	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Vinyl chloride	75-01-4	mg/l	0.2	0.01	U	0.0078	J	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
<b>TCLP Semivolatiles</b>																	
2,4,5-Trichlorophenol	95-95-4	mg/l	400	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4,6-Trichlorophenol	88-06-2	mg/l	2	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4-Dinitrotoluene	121-14-2	mg/l	0.13	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Methylphenol	95-48-7	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
Hexachlorobenzene	118-74-1	mg/l	0.13	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachlorobutadiene	87-68-3	mg/l	0.5	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachloroethane	67-72-1	mg/l	3	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Nitrobenzene	98-95-3	mg/l	2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Pentachlorophenol	87-86-5	mg/l	100	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Pyridine	110-86-1	mg/l	5	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U
<b>TCLP Herbicides</b>																	
2,4,5-TP (Silvex)	93-72-1	mg/l	1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
2,4-D	94-75-7	mg/l	10	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
<b>TCLP Pesticides</b>																	
Chlordane	57-74-9	mg/l	0.03	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Endrin	72-20-8	mg/l	0.02	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Heptachlor	76-44-8	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Heptachlor epoxide	1024-57-3	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Lindane	58-89-9	mg/l	0.4	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Methoxychlor	72-43-5	mg/l	10	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Toxaphene	8001-35-2	mg/l	0.5	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
<b>TCLP Metals</b>																	
Arsenic, TCLP	7440-38-2	mg/l	5	0.024	J	1	U	1	U	1	U	0.022	J	1	U	1	U
Barium, TCLP	7440-39-3	mg/l	100	0.36	J	0.366	J	0.624		0.617		0.425	J	0.278	J	0.313	J
Cadmium, TCLP	7440-43-9	mg/l	1	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Chromium, TCLP	7440-47-3	mg/l	5	0.041	J	0.2	U	0.2	U	0.024	J	0.2	U	0.2	U	0.043	J
Lead, TCLP	7439-92-1	mg/l	5	0.5	U	0.5	U	0.046	J	0.03	J	0.5	U	0.5	U	0.5	U
Mercury, TCLP	7439-97-6	mg/l	0.2	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Selenium, TCLP	7782-49-2	mg/l	1	0.04	J	0.5	U	0.5	U	0.5	U	0.051	J	0.5	U	0.5	U
Silver, TCLP	7440-22-4	mg/l	5	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
<b>Ignitability of Solids</b>																	
Ignitability	NONE		NC	NI		NI		NI		NI		NI		NI		NI	0
<b>General Chemistry</b>																	
Cyanide, Reactive	57-12-5	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U
pH (H)	12408-02-5	SU	NC	7.9		7.5		7.9		7.5		5.6		5.4		5.5	
Sulfide, Reactive	NONE	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U

**Notes:**  
 All analytical results for soil in milligrams per liter (mg/l) or milligrams per kilogram (mg/kg), as indicated  
 All sample depths presented in feet below ground surface  
 NC = No criteria established for this contaminant  
 SU = Standard units  
 J = Estimated concentration  
 U = Not detected at the reported detection limit for the sample.  
 EPA Table 1 - Maximum Concentration of Contaminants for the Toxicity Characteristic Leaching Procedure (TCLP) per 40CFR Part 261 as of September 10, 2015.  
 - = Not Analyzed

**Table 2**  
**Soil Waste Classification Results**  
**Penn Station Access Project 18-186**

Matrix Sample ID:	EPA Table 1: Maximum Concentration for TCLP			COMP-S9MW	COMP-S9MW/S10	COMP-S11 (0-5)	COMP-S11 (5-10)	COMP-S12	COMP-S13/S14	COMP-S15/S16	COMP-S17/S18/S19								
Lab Sample ID:				L1948186-04	L1949191-01	L1947473-05	L1949373-01	L1948523-02	L1949118-01	L1949106-01	L1949172-02								
Date Sampled:				10/15/2019	10/10/2019	10/10/2019	10/21/2019	10/16/2019	10/9/2019	10/8/2019	10/10/2019								
Location Description:				Parkchester/Van Nest	Parkchester/Van Nest	Parkchester/Van Nest	Parkchester/Van Nest	Parkchester/Van Nest	Hunts Point Station	Hunts Point Station	Hunts Point Station								
Sample Depth (ft, bgs):				5-12	0-10	0-5	5-10	0-10	0-10	0-10	0-10								
<b>TCLP Volatiles</b>																			
1,1-Dichloroethene	75-35-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U		
1,2-Dichloroethane	107-06-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U		
1,4-Dichlorobenzene	106-46-7	mg/l	7.5	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U		
2-Butanone	78-93-3	mg/l	200	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U		
Benzene	71-43-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U		
Carbon tetrachloride	56-23-5	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U		
Chlorobenzene	108-90-7	mg/l	100	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U		
Chloroform	67-66-3	mg/l	6	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U		
Tetrachloroethene	127-18-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U		
Trichloroethene	79-01-6	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.0021	J	0.005	U	0.005	U	0.005	U		
Vinyl chloride	75-01-4	mg/l	0.2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U		
<b>TCLP Semivolatiles</b>																			
2,4,5-Trichlorophenol	95-95-4	mg/l	400	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U		
2,4,6-Trichlorophenol	88-06-2	mg/l	2	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U		
2,4-Dinitrotoluene	121-14-2	mg/l	0.13	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U		
2-Methylphenol	95-48-7	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U		
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U		
Hexachlorobenzene	118-74-1	mg/l	0.13	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U		
Hexachlorobutadiene	87-68-3	mg/l	0.5	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U		
Hexachloroethane	67-72-1	mg/l	3	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U		
Nitrobenzene	98-95-3	mg/l	2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U		
Pentachlorophenol	87-86-5	mg/l	100	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U		
Pyridine	110-86-1	mg/l	5	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U		
<b>TCLP Herbicides</b>																			
2,4,5-TP (Silvex)	93-72-1	mg/l	1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U		
2,4-D	94-75-7	mg/l	10	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U		
<b>TCLP Pesticides</b>																			
Chlordane	57-74-9	mg/l	0.03	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U		
Endrin	72-20-8	mg/l	0.02	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U		
Heptachlor	76-44-8	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U		
Heptachlor epoxide	1024-57-3	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U		
Lindane	58-89-9	mg/l	0.4	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U		
Methoxychlor	72-43-5	mg/l	10	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U		
Toxaphene	8001-35-2	mg/l	0.5	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U		
<b>TCLP Metals</b>																			
Arsenic, TCLP	7440-38-2	mg/l	5	1	U	0.026	J	1	U	0.022	J	1	U	0.04	J	0.023	J	0.044	J
Barium, TCLP	7440-39-3	mg/l	100	0.496	J	0.265	J	0.334	J	0.316	J	0.237	J	1.27		0.88		1.17	
Cadmium, TCLP	7440-43-9	mg/l	1	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Chromium, TCLP	7440-47-3	mg/l	5	0.052	J	0.044	J	0.2	U	0.2	U	0.2	U	0.053	J	0.046	J	0.047	J
Lead, TCLP	7439-92-1	mg/l	5	0.5	U	0.034	J	0.5	U	0.5	U	0.143	J	0.786		0.305	J	0.229	J
Mercury, TCLP	7439-97-6	mg/l	0.2	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Selenium, TCLP	7782-49-2	mg/l	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Silver, TCLP	7440-22-4	mg/l	5	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
<b>Ignitability of Solids</b>																			
Ignitability	NONE		NC	NI		NI		NI		NI		NI		NI		NI		NI	
<b>General Chemistry</b>																			
Cyanide, Reactive	57-12-5	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
pH (H)	12408-02-5	SU	NC	7.8		5.1		6.9		6.9		7.5		7.6		7.6		7.7	
Sulfide, Reactive	NONE	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	22		10	U	24	

**Notes:**  
 All analytical results for soil in milligrams per liter (mg/l) or milligrams per kilogram (mg/kg), as indicated  
 All sample depths presented in feet below ground surface  
 NC = No criteria established for this contaminant  
 SU = Standard units  
 J = Estimated concentration  
 U = Not detected at the reported detection limit for the sample.  
 EPA Table 1 - Maximum Concentration of Contaminants for the Toxicity Characteristic Leaching Procedure (TCLP) per 40CFR Part 261 as of September 10, 2015.  
 - = Not Analyzed



**Table 2  
Soil Waste Classification Results  
Penn Station Access Project 18-186**

Matrix Sample ID:	EPA Table 1: Maximum Concentration for TCLP			COMP-S24/S25	COMP-S28/29	COMP-BR1/BR2	COMP-BR3	COMP-BR4	COMP-BR5/BR6	COMP-BR7	COMP-BR9/BR10						
Lab Sample ID:				L1958819-01	L1958596-01	L1960236-01	L1955676-02	L1946570-01	L1949148-01	L1952396-02	L1959057-01						
Date Sampled:				11/26/2019	11/22/2019	12/3/2019	11/20/2019	9/23/2019	10/8/2019	11/5/2019	11/27/2019						
Location Description:				Morris Park Station	Morris Park Station	Pelham Lane Bridge	Eastchester Road	Eastchester Road	Bronxdale Avenue	Bronx River Bridge	Corridor						
Sample Depth (ft, bgs):				0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10						
<b>TCLP Volatiles</b>																	
1,1-Dichloroethene	75-35-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,2-Dichloroethane	107-06-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,4-Dichlorobenzene	106-46-7	mg/l	7.5	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Butanone	78-93-3	mg/l	200	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzene	71-43-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Carbon tetrachloride	56-23-5	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chlorobenzene	108-90-7	mg/l	100	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	67-66-3	mg/l	6	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
Tetrachloroethene	127-18-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Trichloroethene	79-01-6	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Vinyl chloride	75-01-4	mg/l	0.2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
<b>TCLP Semivolatiles</b>																	
2,4,5-Trichlorophenol	95-95-4	mg/l	400	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4,6-Trichlorophenol	88-06-2	mg/l	2	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4-Dinitrotoluene	121-14-2	mg/l	0.13	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Methylphenol	95-48-7	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
Hexachlorobenzene	118-74-1	mg/l	0.13	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachlorobutadiene	87-68-3	mg/l	0.5	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachloroethane	67-72-1	mg/l	3	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Nitrobenzene	98-95-3	mg/l	2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Pentachlorophenol	87-86-5	mg/l	100	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Pyridine	110-86-1	mg/l	5	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U
<b>TCLP Herbicides</b>																	
2,4,5-TP (Silvex)	93-72-1	mg/l	1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
2,4-D	94-75-7	mg/l	10	0.025	U	0.025	U	0.025	U	1.25	U	0.025	U	0.025	U	0.025	U
<b>TCLP Pesticides</b>																	
Chlordane	57-74-9	mg/l	0.03	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Endrin	72-20-8	mg/l	0.02	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Heptachlor	76-44-8	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Heptachlor epoxide	1024-57-3	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Lindane	58-89-9	mg/l	0.4	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Methoxychlor	72-43-5	mg/l	10	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Toxaphene	8001-35-2	mg/l	0.5	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
<b>TCLP Metals</b>																	
Arsenic, TCLP	7440-38-2	mg/l	5	1	U	1	U	1	U	0.028	J	1	U	0.028	J	1	U
Barium, TCLP	7440-39-3	mg/l	100	0.314	J	0.268	J	0.399	J	0.2	J	0.316	J	0.284	J	0.319	J
Cadmium, TCLP	7440-43-9	mg/l	1	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Chromium, TCLP	7440-47-3	mg/l	5	0.2	U	0.026	J	0.039	J	0.045	J	0.021	J	0.05	J	0.2	U
Lead, TCLP	7439-92-1	mg/l	5	0.036	J	0.027	J	0.5	U	0.074	J	0.5	U	0.5	U	0.079	J
Mercury, TCLP	7439-97-6	mg/l	0.2	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Selenium, TCLP	7782-49-2	mg/l	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Silver, TCLP	7440-22-4	mg/l	5	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
<b>Ignitability of Solids</b>																	
Ignitability	NONE		NC	NI		NI		NI		NI		NI		NI		NI	
<b>General Chemistry</b>																	
Cyanide, Reactive	57-12-5	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U
pH (H)	12408-02-5	SU	NC	7.8		7.2		6.8		7.7		6.3		5.8		8.1	
Sulfide, Reactive	NONE	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U

**Notes:**  
 All analytical results for soil in milligrams per liter (mg/l) or milligrams per kilogram (mg/kg), as indicated  
 All sample depths presented in feet below ground surface  
 NC = No criteria established for this contaminant  
 SU = Standard units  
 J = Estimated concentration  
 U = Not detected at the reported detection limit for the sample.  
 EPA Table 1 - Maximum Concentration of Contaminants for the Toxicity Characteristic Leaching Procedure (TCLP) per 40CFR Part 261 as of September 10, 2015.  
 - = Not Analyzed

**Table 2  
Soil Waste Classification Results  
Penn Station Access Project 18-186**

Matrix Sample ID:			EPA Table 1: Maximum Concentration for TCLP	COMP-SS1	COMP-SS2MW/MP16.6-3	COMP-SS3	COMP-SS4/MP15.5-7	COMP-SS5	COMP-SS6MW	COMP-SS7MW	COMP-SS8/MP9.4-95						
Lab Sample ID:				L1960186-01	L1960181-01	L1944982-03	L1945914-01	L1950729-01	L1950786-05	L1955620-01	L1947901-01						
Date Sampled:				12/4/2019	12/3/2019	9/27/2019	9/20/2019	10/22/2019	10/28/2019	11/7/2019	10/1/2019						
Location Description:				Pelham Lane	Pelham Lane	Pelham Lane	Pelham Lane	Tremont Interlocking	Tremont Interlocking	Oak Interlocking	Oak Interlocking						
Sample Depth (ft, bgs):			0-5	0-10	0-5	0-5	0-10	0-6	0-10	0-5							
<b>TCLP Volatiles</b>																	
1,1-Dichloroethene	75-35-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,2-Dichloroethane	107-06-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,4-Dichlorobenzene	106-46-7	mg/l	7.5	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Butanone	78-93-3	mg/l	200	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzene	71-43-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Carbon tetrachloride	56-23-5	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chlorobenzene	108-90-7	mg/l	100	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	67-66-3	mg/l	6	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
Tetrachloroethene	127-18-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Trichloroethene	79-01-6	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Vinyl chloride	75-01-4	mg/l	0.2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
<b>TCLP Semivolatiles</b>																	
2,4,5-Trichlorophenol	95-95-4	mg/l	400	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4,6-Trichlorophenol	88-06-2	mg/l	2	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4-Dinitrotoluene	121-14-2	mg/l	0.13	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Methylphenol	95-48-7	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
Hexachlorobenzene	118-74-1	mg/l	0.13	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachlorobutadiene	87-68-3	mg/l	0.5	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachloroethane	67-72-1	mg/l	3	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Nitrobenzene	98-95-3	mg/l	2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Pentachlorophenol	87-86-5	mg/l	100	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Pyridine	110-86-1	mg/l	5	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U
<b>TCLP Herbicides</b>																	
2,4,5-TP (Silvex)	93-72-1	mg/l	1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
2,4-D	94-75-7	mg/l	10	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
<b>TCLP Pesticides</b>																	
Chlordane	57-74-9	mg/l	0.03	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Endrin	72-20-8	mg/l	0.02	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Heptachlor	76-44-8	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Heptachlor epoxide	1024-57-3	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Lindane	58-89-9	mg/l	0.4	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Methoxychlor	72-43-5	mg/l	10	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Toxaphene	8001-35-2	mg/l	0.5	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
<b>TCLP Metals</b>																	
Arsenic, TCLP	7440-38-2	mg/l	5	1	U	0.032	J	1	U	1	U	0.019	J	1	U	1	U
Barium, TCLP	7440-39-3	mg/l	100	0.18	J	0.658		0.291	J	0.351	J	0.378	J	0.411	J	0.163	J
Cadmium, TCLP	7440-43-9	mg/l	1	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Chromium, TCLP	7440-47-3	mg/l	5	0.038	J	0.039	J	0.022	J	0.03	J	0.027	J	0.2	U	0.045	J
Lead, TCLP	7439-92-1	mg/l	5	0.5	U	0.5	U	0.037	J	0.5	U	0.5	U	0.5	U	0.5	U
Mercury, TCLP	7439-97-6	mg/l	0.2	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Selenium, TCLP	7782-49-2	mg/l	1	0.5	U	0.5	U	0.5	U	0.5	U	0.035	J	0.5	U	0.5	U
Silver, TCLP	7440-22-4	mg/l	5	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
<b>Ignitability of Solids</b>																	
Ignitability	NONE		NC	NI		NI		NI		NI		NI		NI		NI	
<b>General Chemistry</b>																	
Cyanide, Reactive	57-12-5	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U
pH (H)	12408-02-5	SU	NC	6		6.4		7.5		5.8		5.6		7.6		7.4	
Sulfide, Reactive	NONE	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U

**Notes:**  
 All analytical results for soil in milligrams per liter (mg/l) or milligrams per kilogram (mg/kg), as indicated  
 All sample depths presented in feet below ground surface  
 NC = No criteria established for this contaminant  
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 EPA Table 1 - Maximum Concentration of Contaminants for the Toxicity Characteristic Leaching Procedure (TCLP) per 40CFR Part 261 as of September 10, 2015.  
 - = Not Analyzed

Table 2  
Soil Waste Classification Results  
Penn Station Access Project 18-186

Matrix Sample ID:	EPA Table 1: Maximum Concentration for TCLP	COMP-SS9MW	COMP-SS10	COMP-SS13	COMP-SS14	COMP-SS15/SS16	COMP-MP16.5-4	COMP-MP15.6-5/MP15.6-6	COMP-MP15.4-8										
Lab Sample ID:		L2001188-02	L2001752-03	L2001702-02	L2001702-05	L2003974-01	L1958996-03	L1946559-01	L1944041-04										
Date Sampled:		1/10/2020	1/14/2020	1/14/2020	1/14/2020	1/20/2020	12/10/2019	9/30/2019	9/24/2019										
Location Description:		Gate DC Substation	Gate DC Substation	Amtrak New Rochelle	Amtrak New Rochelle	MNR New Rochelle	Corridor	Corridor	Corridor										
Sample Depth (ft, bgs):		0-10	0-4	0-5	0-10	0-10	0-5	0-7	0-5										
<b>TCLP Volatiles</b>																			
1,1-Dichloroethene	75-35-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,2-Dichloroethane	107-06-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,4-Dichlorobenzene	106-46-7	mg/l	7.5	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Butanone	78-93-3	mg/l	200	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzene	71-43-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Carbon tetrachloride	56-23-5	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chlorobenzene	108-90-7	mg/l	100	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	67-66-3	mg/l	6	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
Tetrachloroethene	127-18-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Trichloroethene	79-01-6	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Vinyl chloride	75-01-4	mg/l	0.2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
<b>TCLP Semivolatiles</b>																			
2,4,5-Trichlorophenol	95-95-4	mg/l	400	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4,6-Trichlorophenol	88-06-2	mg/l	2	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4-Dinitrotoluene	121-14-2	mg/l	0.13	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Methylphenol	95-48-7	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
Hexachlorobenzene	118-74-1	mg/l	0.13	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachlorobutadiene	87-68-3	mg/l	0.5	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachloroethane	67-72-1	mg/l	3	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Nitrobenzene	98-95-3	mg/l	2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Pentachlorophenol	87-86-5	mg/l	100	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Pyridine	110-86-1	mg/l	5	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U
<b>TCLP Herbicides</b>																			
2,4,5-TP (Silvex)	93-72-1	mg/l	1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
2,4-D	94-75-7	mg/l	10	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
<b>TCLP Pesticides</b>																			
Chlordane	57-74-9	mg/l	0.03	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Endrin	72-20-8	mg/l	0.02	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Heptachlor	76-44-8	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Heptachlor epoxide	1024-57-3	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Lindane	58-89-9	mg/l	0.4	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Methoxychlor	72-43-5	mg/l	10	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Toxaphene	8001-35-2	mg/l	0.5	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
<b>TCLP Metals</b>																			
Arsenic, TCLP	7440-38-2	mg/l	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Barium, TCLP	7440-39-3	mg/l	100	0.34	J	0.854		0.261	J	0.272	J	0.293	J	0.359	J	0.515		0.219	J
Cadmium, TCLP	7440-43-9	mg/l	1	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Chromium, TCLP	7440-47-3	mg/l	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.055	J	0.03	J	0.021	J
Lead, TCLP	7439-92-1	mg/l	5	0.5	U	0.25	J	0.5	U	0.5	U	0.372	J	0.5	U	0.037	J	0.5	U
Mercury, TCLP	7439-97-6	mg/l	0.2	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Selenium, TCLP	7782-49-2	mg/l	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Silver, TCLP	7440-22-4	mg/l	5	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
<b>Ignitability of Solids</b>																			
Ignitability	NONE		NC	NI		NI		NI		NI		NI		NI		NI		NI	
<b>General Chemistry</b>																			
Cyanide, Reactive	57-12-5	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
pH (H)	12408-02-5	SU	NC	6		10.1		7	0	8.3		6.7		6.9		6.6		5.5	
Sulfide, Reactive	NONE	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U

**Notes:**  
 All analytical results for soil in milligrams per liter (mg/l) or milligrams per kilogram (mg/kg), as indicated  
 All sample depths presented in feet below ground surface  
 NC = No criteria established for this contaminant  
 SU = Standard units  
 J = Estimated concentration  
 U = Not detected at the reported detection limit for the sample.  
 EPA Table 1 - Maximum Concentration of Contaminants for the Toxicity Characteristic Leaching Procedure (TCLP) per 40CFR Part 261 as of September 10, 2015.  
 - = Not Analyzed

**Table 2**  
**Soil Waste Classification Results**  
**Penn Station Access Project 18-186**

Matrix Sample ID:	EPA Table 1: Maximum Concentration for TCLP	COMP-MP15.3-9	COMP-MP15.2-10	COMP-MP15.0-11	COMP-MP14.7-17	COMP-MP14.6-18	COMP-MP14.6-18R	COMP-MP14.5-20	COMP-MP14.5-21										
Lab Sample ID:		L1942636-03	L1944378-02	L1959857-04	L1959280-03	L1959857-02	L1960654-02	L1961690-01	L1958091-05										
Date Sampled:		9/17/2019	9/25/2019	12/13/2019	12/11/2019	12/13/2019	12/18/2019	12/26/2019	12/5/2019										
Location Description:		Corridor	Corridor	Corridor	Corridor	Corridor	Corridor	Corridor	Corridor										
Sample Depth (ft, bgs):		0-5	0-5	0-5	0-2	0-3.5	0-3.5	0-5	0-5										
<b>TCLP Volatiles</b>																			
1,1-Dichloroethene	75-35-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,2-Dichloroethane	107-06-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,4-Dichlorobenzene	106-46-7	mg/l	7.5	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Butanone	78-93-3	mg/l	200	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.021	J	0.05	U	0.05	U
Benzene	71-43-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Carbon tetrachloride	56-23-5	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chlorobenzene	108-90-7	mg/l	100	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	67-66-3	mg/l	6	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
Tetrachloroethene	127-18-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Trichloroethene	79-01-6	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Vinyl chloride	75-01-4	mg/l	0.2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
<b>TCLP Semivolatiles</b>																			
2,4,5-Trichlorophenol	95-95-4	mg/l	400	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4,6-Trichlorophenol	88-06-2	mg/l	2	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4-Dinitrotoluene	121-14-2	mg/l	0.13	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Methylphenol	95-48-7	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
Hexachlorobenzene	118-74-1	mg/l	0.13	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachlorobutadiene	87-68-3	mg/l	0.5	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachloroethane	67-72-1	mg/l	3	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Nitrobenzene	98-95-3	mg/l	2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Pentachlorophenol	87-86-5	mg/l	100	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Pyridine	110-86-1	mg/l	5	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U
<b>TCLP Herbicides</b>																			
2,4,5-TP (Silvex)	93-72-1	mg/l	1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
2,4-D	94-75-7	mg/l	10	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
<b>TCLP Pesticides</b>																			
Chlordane	57-74-9	mg/l	0.03	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Endrin	72-20-8	mg/l	0.02	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Heptachlor	76-44-8	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.000022	J	0.0001	U	0.0001	U
Heptachlor epoxide	1024-57-3	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.000023	J	0.0001	U	0.0001	U
Lindane	58-89-9	mg/l	0.4	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Methoxychlor	72-43-5	mg/l	10	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Toxaphene	8001-35-2	mg/l	0.5	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
<b>TCLP Metals</b>																			
Arsenic, TCLP	7440-38-2	mg/l	5	0.022	J	1	U	1	U	0.02	J	1	U	1	U	1	U	1	U
Barium, TCLP	7440-39-3	mg/l	100	0.333	J	0.346	J	0.303	J	0.365	J	0.328	J	0.548	J	0.354	J	0.466	J
Cadmium, TCLP	7440-43-9	mg/l	1	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Chromium, TCLP	7440-47-3	mg/l	5	0.2	U	0.021	J	0.2	U	0.045	J	0.2	U	0.2	U	0.2	U	0.034	J
Lead, TCLP	7439-92-1	mg/l	5	0.5	U	0.5	U	0.5	U	0.031	J	0.5	U	0.5	U	0.5	U	0.032	J
Mercury, TCLP	7439-97-6	mg/l	0.2	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Selenium, TCLP	7782-49-2	mg/l	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Silver, TCLP	7440-22-4	mg/l	5	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
<b>Ignitability of Solids</b>																			
Ignitability	NONE		NC	NI		NI		NI		NI		NI		NI		NI		NI	
<b>General Chemistry</b>																			
Cyanide, Reactive	57-12-5	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
pH (H)	12408-02-5	SU	NC	6.9		6.1		7.2		8.3		6.6		7.5		5.7		6.3	
Sulfide, Reactive	NONE	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U

**Notes:**  
 All analytical results for soil in milligrams per liter (mg/l) or milligrams per kilogram (mg/kg), as indicated  
 All sample depths presented in feet below ground surface  
 NC = No criteria established for this contaminant  
 SU = StaNdard units  
 J = Estimated concentration  
 U = Not detected at the reported detection limit for the sample.  
 EPA Table 1 - Maximum Concentration of Contaminants for the Toxicity Characteristic Leaching Procedure (TCLP) per 40CFR Part 261 as of September 10, 2015.  
 - = Not Analyzed



**Table 2**  
**Soil Waste Classification Results**  
**Penn Station Access Project 18-186**

Matrix Sample ID:			EPA Table 1: Maximum Concentration for TCLP	COMP-MP14.4-22	COMP-MP14.4-23	COMP-MP14.3-25	COMP-MP13.8-27	COMP-MP13.7-28	COMP-MP13.7-29	COMP-MP13.6-30	COMP-MP13.6-31						
Lab Sample ID:				L1961178-03	L1957606-10	L1957276-04	L1943797-04	L1955676-04	L1945502-05	L1956027-02	L1945502-07						
Date Sampled:				12/20/2019	12/23/2019	11/27/2019	9/23/2019	11/20/2019	10/1/2019	11/21/2019	10/1/2019						
Location Description:				Corridor	Corridor	Corridor	Corridor	Corridor	Corridor	Corridor	Corridor						
Sample Depth (ft, bgs):				0-5	0-5	0-5	0-4.5	0-4	0-5	0-3	0-3.5						
<b>TCLP Volatiles</b>																	
1,1-Dichloroethene	75-35-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,2-Dichloroethane	107-06-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,4-Dichlorobenzene	106-46-7	mg/l	7.5	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Butanone	78-93-3	mg/l	200	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzene	71-43-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Carbon tetrachloride	56-23-5	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chlorobenzene	108-90-7	mg/l	100	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	67-66-3	mg/l	6	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
Tetrachloroethene	127-18-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Trichloroethene	79-01-6	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Vinyl chloride	75-01-4	mg/l	0.2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
<b>TCLP Semivolatiles</b>																	
2,4,5-Trichlorophenol	95-95-4	mg/l	400	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4,6-Trichlorophenol	88-06-2	mg/l	2	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4-Dinitrotoluene	121-14-2	mg/l	0.13	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Methylphenol	95-48-7	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
Hexachlorobenzene	118-74-1	mg/l	0.13	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachlorobutadiene	87-68-3	mg/l	0.5	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachloroethane	67-72-1	mg/l	3	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Nitrobenzene	98-95-3	mg/l	2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Pentachlorophenol	87-86-5	mg/l	100	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Pyridine	110-86-1	mg/l	5	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U
<b>TCLP Herbicides</b>																	
2,4,5-TP (Silvex)	93-72-1	mg/l	1	0.005	U	0.005	U	0.005	U	0.25	U	0.005	U	0.25	U	0.005	U
2,4-D	94-75-7	mg/l	10	0.025	U	0.025	U	0.025	U	1.25	U	0.025	U	1.25	U	0.025	U
<b>TCLP Pesticides</b>																	
Chlordane	57-74-9	mg/l	0.03	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Endrin	72-20-8	mg/l	0.02	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Heptachlor	76-44-8	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Heptachlor epoxide	1024-57-3	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Lindane	58-89-9	mg/l	0.4	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Methoxychlor	72-43-5	mg/l	10	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Toxaphene	8001-35-2	mg/l	0.5	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
<b>TCLP Metals</b>																	
Arsenic, TCLP	7440-38-2	mg/l	5	1	U	0.023	J	1	U	1	U	1	U	1	U	1	U
Barium, TCLP	7440-39-3	mg/l	100	0.433	J	0.442	J	0.304	J	0.264	J	0.176	J	0.514	J	0.194	J
Cadmium, TCLP	7440-43-9	mg/l	1	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Chromium, TCLP	7440-47-3	mg/l	5	0.2	U	0.2	U	0.039	J	0.2	U	0.2	U	0.2	U	0.049	J
Lead, TCLP	7439-92-1	mg/l	5	0.085	J	0.079	J	0.06	J	0.5	U	0.052	J	0.5	U	0.028	J
Mercury, TCLP	7439-97-6	mg/l	0.2	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Selenium, TCLP	7782-49-2	mg/l	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Silver, TCLP	7440-22-4	mg/l	5	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
<b>Ignitability of Solids</b>																	
Ignitability	NONE		NC	NI		NI		NI		NI		NI		NI		NI	
<b>General Chemistry</b>																	
Cyanide, Reactive	57-12-5	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U
pH (H)	12408-02-5	SU	NC	7.2		6.9		7		6.1		7		6.3		7	
Sulfide, Reactive	NONE	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U

**Notes:**  
 All analytical results for soil in milligrams per liter (mg/l) or milligrams per kilogram (mg/kg), as indicated  
 All sample depths presented in feet below ground surface  
 NC = No criteria established for this contaminant  
 SU = Standard units  
 J = Estimated concentration  
 U = Not detected at the reported detection limit for the sample.  
 EPA Table 1 - Maximum Concentration of Contaminants for the Toxicity Characteristic Leaching Procedure (TCLP) per 40CFR Part 261 as of September 10, 2015.  
 - = Not Analyzed

**Table 2**  
**Soil Waste Classification Results**  
**Penn Station Access Project 18-186**

Matrix Sample ID:	EPA Table 1: Maximum Concentration for TCLP		COMP-MP13.5-32 L1955086-06 11/18/2019 Corridor 0-5	COMP-MP13.5-33 L1945847-03 10/2/2019 Corridor 0-5	COMP-MP15.4-34 L1955086-04 11/18/2019 Corridor 0-5	COMP-MP13.4-35 L1945847-05 10/2/2019 Corridor 0-5	COMP-MP13.3-37 L1945847-07 10/2/2019 Corridor 0-5	COMP-MP13.2-39 L1947211-02 10/9/2019 Corridor 3-5	COMP-MP13.1-40 L1955086-02 11/18/2019 Corridor 0-5	COMP-MP12.8-41 L1948001-02 10/14/2019 Corridor 0-5							
<b>TCLP Volatiles</b>																	
1,1-Dichloroethene	75-35-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,2-Dichloroethane	107-06-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,4-Dichlorobenzene	106-46-7	mg/l	7.5	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Butanone	78-93-3	mg/l	200	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzene	71-43-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Carbon tetrachloride	56-23-5	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chlorobenzene	108-90-7	mg/l	100	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	67-66-3	mg/l	6	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
Tetrachloroethene	127-18-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Trichloroethene	79-01-6	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Vinyl chloride	75-01-4	mg/l	0.2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
<b>TCLP Semivolatiles</b>																	
2,4,5-Trichlorophenol	95-95-4	mg/l	400	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4,6-Trichlorophenol	88-06-2	mg/l	2	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4-Dinitrotoluene	121-14-2	mg/l	0.13	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Methylphenol	95-48-7	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
Hexachlorobenzene	118-74-1	mg/l	0.13	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachlorobutadiene	87-68-3	mg/l	0.5	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachloroethane	67-72-1	mg/l	3	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Nitrobenzene	98-95-3	mg/l	2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Pentachlorophenol	87-86-5	mg/l	100	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Pyridine	110-86-1	mg/l	5	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U
<b>TCLP Herbicides</b>																	
2,4,5-TP (Silvex)	93-72-1	mg/l	1	0.25	U	0.005	U	0.25	U	0.005	U	0.005	U	0.005	U	0.25	U
2,4-D	94-75-7	mg/l	10	1.25	U	0.025	U	1.25	U	0.025	U	0.025	U	0.025	U	1.25	U
<b>TCLP Pesticides</b>																	
Chlordane	57-74-9	mg/l	0.03	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Endrin	72-20-8	mg/l	0.02	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Heptachlor	76-44-8	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Heptachlor epoxide	1024-57-3	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Lindane	58-89-9	mg/l	0.4	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Methoxychlor	72-43-5	mg/l	10	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Toxaphene	8001-35-2	mg/l	0.5	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
<b>TCLP Metals</b>																	
Arsenic, TCLP	7440-38-2	mg/l	5	1.25	U	1	U	1.25	U	1	U	1	U	0.032	J	1.25	U
Barium, TCLP	7440-39-3	mg/l	100	0.23	J	0.147	J	0.558	J	0.173	J	0.214	J	0.163	J	0.425	J
Cadmium, TCLP	7440-43-9	mg/l	1	0.125	U	0.1	U	0.125	U	0.1	U	0.1	U	0.1	U	0.125	U
Chromium, TCLP	7440-47-3	mg/l	5	0.25	U	0.2	U	0.25	U	0.2	U	0.2	U	0.037	J	0.25	U
Lead, TCLP	7439-92-1	mg/l	5	0.625	U	0.5	U	0.06	J	0.5	U	0.5	U	0.5	U	0.061	J
Mercury, TCLP	7439-97-6	mg/l	0.2	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Selenium, TCLP	7782-49-2	mg/l	1	0.625	U	0.5	U	0.625	U	0.5	U	0.5	U	0.5	U	0.625	U
Silver, TCLP	7440-22-4	mg/l	5	0.125	U	0.1	U	0.125	U	0.1	U	0.1	U	0.1	U	0.125	U
<b>Ignitability of Solids</b>																	
Ignitability	NONE		NC	NI		NI		NI		NI		NI		NI		NI	
<b>General Chemistry</b>																	
Cyanide, Reactive	57-12-5	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U
pH (H)	12408-02-5	SU	NC	7.1		6.3		7.3		5.8		6		5.1		7.1	
Sulfide, Reactive	NONE	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U

**Notes:**  
 All analytical results for soil in miligrams per liter (mg/l) or milligrams per kilogram (mg/kg), as indicated  
 All sample depths presented in feet below ground surface  
 NC = No criteria established for this contaminant  
 SU = Standard units  
 J = Estimated concentration  
 U = Not detected at the reported detection limit for the sample.  
 EPA Table 1 - Maximum Concentration of Contaminants for the Toxicity Characteristic Leaching Procedure (TCLP) per 40CFR Part 261 as of September 10, 2015.  
 - = Not Analyzed

**Table 2  
Soil Waste Classification Results  
Penn Station Access Project 18-186**

Matrix Sample ID:	EPA Table 1: Maximum Concentration for TCLP		COMP-MP12.6-42 L1954767-02 11/15/2019 Corridor 0-4	COMP-MP12.6-43 L1948523-05 10/16/2019 Corridor 1-2	COMP-MP12.4-46 L1954767-04 11/15/2019 Corridor 0-5	COMP-MP12.4-47 L1949022-02 10/18/2019 Corridor 0-5	COMP-MP12.4-48 L1954478-01 11/14/2019 Corridor 0-2.5	COMP-MP12.2-49 L1948744-05 10/17/2019 Corridor 0-2.7	COMP-MP12.2-50 L1953897-02 11/12/2019 Corridor 0-5	COMP-MP12.1-52 L1954141-03 11/13/2019 Corridor 0-5							
<b>TCLP Volatiles</b>																	
1,1-Dichloroethene	75-35-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,2-Dichloroethane	107-06-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,4-Dichlorobenzene	106-46-7	mg/l	7.5	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Butanone	78-93-3	mg/l	200	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzene	71-43-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Carbon tetrachloride	56-23-5	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chlorobenzene	108-90-7	mg/l	100	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	67-66-3	mg/l	6	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
Tetrachloroethene	127-18-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Trichloroethene	79-01-6	mg/l	0.5	0.005	U	0.003	J	0.005	U	0.0019	J	0.005	U	0.0022	J	0.005	U
Vinyl chloride	75-01-4	mg/l	0.2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
<b>TCLP Semivolatiles</b>																	
2,4,5-Trichlorophenol	95-95-4	mg/l	400	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4,6-Trichlorophenol	88-06-2	mg/l	2	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4-Dinitrotoluene	121-14-2	mg/l	0.13	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Methylphenol	95-48-7	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
Hexachlorobenzene	118-74-1	mg/l	0.13	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachlorobutadiene	87-68-3	mg/l	0.5	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachloroethane	67-72-1	mg/l	3	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Nitrobenzene	98-95-3	mg/l	2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Pentachlorophenol	87-86-5	mg/l	100	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Pyridine	110-86-1	mg/l	5	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U
<b>TCLP Herbicides</b>																	
2,4,5-TP (Silvex)	93-72-1	mg/l	1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
2,4-D	94-75-7	mg/l	10	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
<b>TCLP Pesticides</b>																	
Chlordane	57-74-9	mg/l	0.03	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Endrin	72-20-8	mg/l	0.02	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Heptachlor	76-44-8	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Heptachlor epoxide	1024-57-3	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Lindane	58-89-9	mg/l	0.4	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Methoxychlor	72-43-5	mg/l	10	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Toxaphene	8001-35-2	mg/l	0.5	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
<b>TCLP Metals</b>																	
Arsenic, TCLP	7440-38-2	mg/l	5	1.25	U	1	U	1.25	U	1	U	0.019	J	1	U	0.037	J
Barium, TCLP	7440-39-3	mg/l	100	0.344	J	0.406	J	0.285	J	0.277	J	0.486	J	0.297	J	0.621	J
Cadmium, TCLP	7440-43-9	mg/l	1	0.125	U	0.1	U	0.125	U	0.1	U	0.1	U	0.1	U	0.1	U
Chromium, TCLP	7440-47-3	mg/l	5	0.25	U	0.2	U	0.25	U	0.2	U	0.2	U	0.2	U	0.2	U
Lead, TCLP	7439-92-1	mg/l	5	0.625	U	0.301	J	0.625	U	0.5	U	0.5	U	0.5	U	0.194	J
Mercury, TCLP	7439-97-6	mg/l	0.2	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Selenium, TCLP	7782-49-2	mg/l	1	0.625	U	0.5	U	0.625	U	0.5	U	0.5	U	0.041	J	0.5	U
Silver, TCLP	7440-22-4	mg/l	5	0.125	U	0.1	U	0.125	U	0.1	U	0.1	U	0.1	U	0.1	U
<b>Ignitability of Solids</b>																	
Ignitability	NONE		NC	NI		NI		NI		NI		NI		NI		NI	
<b>General Chemistry</b>																	
Cyanide, Reactive	57-12-5	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U
pH (H)	12408-02-5	SU	NC	7.2		6.8		6.7		5.4		7.2		7.8		8	
Sulfide, Reactive	NONE	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U

**Notes:**  
 All analytical results for soil in milligrams per liter (mg/l) or milligrams per kilogram (mg/kg), as indicated  
 All sample depths presented in feet below ground surface  
 NC = No criteria established for this contaminant  
 SU = Standard units  
 J = Estimated concentration  
 U = Not detected at the reported detection limit for the sample.  
 EPA Table 1 - Maximum Concentration of Contaminants for the Toxicity Characteristic Leaching Procedure (TCLP) per 40CFR Part 261 as of September 10, 2015.  
 - = Not Analyzed

**Table 2  
Soil Waste Classification Results  
Penn Station Access Project 18-186**

Matrix Sample ID:	EPA Table 1:	COMP-MP12.0-53	OMP-MP11.7-54/MP11.8-5	COMP-MP11.6-59/MP11.6-60	OMP-MP11.5-61/MP11.5-6	COMP-MP11.4-63	COMP-MP11.3-65	COMP-MP11.2-66	COMP-MP11.2-67										
Lab Sample ID:	Maximum	L1950786-03	L1954010-01	L1954260-01	L1954955-01	L1955469-01	L1949904-05	L1950254-02	L1949904-03										
Date Sampled:	Concentration for	10/28/2019	10/31/2019	11/1/2019	11/5/2019	11/6/2019	10/23/2019	10/24/2019	10/23/2019										
Location Description:	TCLP	Corridor	Corridor	Corridor	Corridor	Corridor	Corridor	Corridor	Corridor										
Sample Depth (ft, bgs):		0-5	0-5	0-5	0-5	0-5	0-3.5	0-5	0-5										
<b>TCLP Volatiles</b>																			
1,1-Dichloroethene	75-35-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U		
1,2-Dichloroethane	107-06-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U		
1,4-Dichlorobenzene	106-46-7	mg/l	7.5	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U		
2-Butanone	78-93-3	mg/l	200	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U		
Benzene	71-43-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U		
Carbon tetrachloride	56-23-5	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U		
Chlorobenzene	108-90-7	mg/l	100	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U		
Chloroform	67-66-3	mg/l	6	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U		
Tetrachloroethene	127-18-4	mg/l	0.7	0.005	U	0.005	U	0.012	U	0.005	U	0.005	U	0.005	U	0.005	U		
Trichloroethene	79-01-6	mg/l	0.5	0.005	U	0.005	U	0.0044	J	0.005	U	0.005	U	0.005	U	0.005	U		
Vinyl chloride	75-01-4	mg/l	0.2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U		
<b>TCLP Semivolatiles</b>																			
2,4,5-Trichlorophenol	95-95-4	mg/l	400	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U		
2,4,6-Trichlorophenol	88-06-2	mg/l	2	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U		
2,4-Dinitrotoluene	121-14-2	mg/l	0.13	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U		
2-Methylphenol	95-48-7	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U		
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U		
Hexachlorobenzene	118-74-1	mg/l	0.13	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U		
Hexachlorobutadiene	87-68-3	mg/l	0.5	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U		
Hexachloroethane	67-72-1	mg/l	3	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U		
Nitrobenzene	98-95-3	mg/l	2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U		
Pentachlorophenol	87-86-5	mg/l	100	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U		
Pyridine	110-86-1	mg/l	5	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U		
<b>TCLP Herbicides</b>																			
2,4,5-TP (Silvex)	93-72-1	mg/l	1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U		
2,4-D	94-75-7	mg/l	10	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U		
<b>TCLP Pesticides</b>																			
Chlordane	57-74-9	mg/l	0.03	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U		
Endrin	72-20-8	mg/l	0.02	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U		
Heptachlor	76-44-8	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U		
Heptachlor epoxide	1024-57-3	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U		
Lindane	58-89-9	mg/l	0.4	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U		
Methoxychlor	72-43-5	mg/l	10	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U		
Toxaphene	8001-35-2	mg/l	0.5	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U		
<b>TCLP Metals</b>																			
Arsenic, TCLP	7440-38-2	mg/l	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U		
Barium, TCLP	7440-39-3	mg/l	100	0.667		0.157	J	0.198	J	0.127	J	0.17	J	0.418	J	1.01	0.391	J	
Cadmium, TCLP	7440-43-9	mg/l	1	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	0.1	U	
Chromium, TCLP	7440-47-3	mg/l	5	0.2	U	0.2	U	0.2	U	0.2	U	0.048	J	0.2	U	0.2	0.2	U	
Lead, TCLP	7439-92-1	mg/l	5	0.5	U	0.5	U	0.043	J	0.5	U	0.074	J	0.5	U	0.044	J	0.5	U
Mercury, TCLP	7439-97-6	mg/l	0.2	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Selenium, TCLP	7782-49-2	mg/l	1	0.5	U	0.5	U	0.5	U	0.5	U	0.055	J	0.5	U	0.5	0.5	U	
Silver, TCLP	7440-22-4	mg/l	5	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	0.1	U	
<b>Ignitability of Solids</b>																			
Ignitability	NONE		NC	NI		NI		NI		NI		NI		NI		NI		NI	
<b>General Chemistry</b>																			
Cyanide, Reactive	57-12-5	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	10	U	
pH (H)	12408-02-5	SU	NC	7.7		8.3		7.2		6.8		7.4		7.9		7.4		7	
Sulfide, Reactive	NONE	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	10	U	

**Notes:**  
 All analytical results for soil in milligrams per liter (mg/l) or milligrams per kilogram (mg/kg), as indicated  
 All sample depths presented in feet below ground surface  
 NC = No criteria established for this contaminant  
 SU = Standard units  
 J = Estimated concentration  
 U = Not detected at the reported detection limit for the sample.  
 EPA Table 1 - Maximum Concentration of Contaminants for the Toxicity Characteristic Leaching Procedure (TCLP) per 40CFR Part 261 as of September 10, 2015.  
 - = Not Analyzed



**Table 2**  
**Soil Waste Classification Results**  
**Penn Station Access Project 18-186**

Matrix Sample ID:	EPA Table 1: Maximum Concentration for TCLP			COMP-MP11.1-68 L1950254-04 10/24/2019 Corridor 0-5	COMP-MP11.1-69 L1949591-04 10/22/2019 Corridor 0-5	COMP-MP11.0-70 L1950537-03 10/25/2019 Corridor 0-5	COMP-MP11.0-71 L1949591-06 10/22/2019 Corridor 0-5	COMP-MP10.9-73 L1949591-02 10/22/2019 Corridor 0-2	COMP-MP10.7-75 L1949373-03 10/21/2019 Corridor 0-4	COMP-MP10.4-77 L1950974-04 10/29/2019 Corridor 0-2	COMP-MP10.3-79 L1950974-02 10/29/2019 Corridor 0-2.5
Lab Sample ID:											
Date Sampled:											
Location Description:											
Sample Depth (ft, bgs):											
<b>TCLP Volatiles</b>											
1,1-Dichloroethene	75-35-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U
1,2-Dichloroethane	107-06-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U
1,4-Dichlorobenzene	106-46-7	mg/l	7.5	0.025	U	0.025	U	0.025	U	0.025	U
2-Butanone	78-93-3	mg/l	200	0.05	U	0.05	U	0.05	U	0.05	U
Benzene	71-43-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U
Carbon tetrachloride	56-23-5	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U
Chlorobenzene	108-90-7	mg/l	100	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	67-66-3	mg/l	6	0.0075	U	0.0075	U	0.0075	U	0.0075	U
Tetrachloroethene	127-18-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U
Trichloroethene	79-01-6	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U
Vinyl chloride	75-01-4	mg/l	0.2	0.01	U	0.01	U	0.01	U	0.01	U
<b>TCLP Semivolatiles</b>											
2,4,5-Trichlorophenol	95-95-4	mg/l	400	0.025	U	0.025	U	0.025	U	0.025	U
2,4,6-Trichlorophenol	88-06-2	mg/l	2	0.025	U	0.025	U	0.025	U	0.025	U
2,4-Dinitrotoluene	121-14-2	mg/l	0.13	0.025	U	0.025	U	0.025	U	0.025	U
2-Methylphenol	95-48-7	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U
Hexachlorobenzene	118-74-1	mg/l	0.13	0.01	U	0.01	U	0.01	U	0.01	U
Hexachlorobutadiene	87-68-3	mg/l	0.5	0.01	U	0.01	U	0.01	U	0.01	U
Hexachloroethane	67-72-1	mg/l	3	0.01	U	0.01	U	0.01	U	0.01	U
Nitrobenzene	98-95-3	mg/l	2	0.01	U	0.01	U	0.01	U	0.01	U
Pentachlorophenol	87-86-5	mg/l	100	0.05	U	0.05	U	0.05	U	0.05	U
Pyridine	110-86-1	mg/l	5	0.018	U	0.018	U	0.018	U	0.018	U
<b>TCLP Herbicides</b>											
2,4,5-TP (Silvex)	93-72-1	mg/l	1	0.005	U	0.005	U	0.005	U	0.005	U
2,4-D	94-75-7	mg/l	10	0.025	U	0.025	U	0.025	U	0.025	U
<b>TCLP Pesticides</b>											
Chlordane	57-74-9	mg/l	0.03	0.001	U	0.001	U	0.001	U	0.001	U
Endrin	72-20-8	mg/l	0.02	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Heptachlor	76-44-8	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Heptachlor epoxide	1024-57-3	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Lindane	58-89-9	mg/l	0.4	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Methoxychlor	72-43-5	mg/l	10	0.001	U	0.001	U	0.001	U	0.001	U
Toxaphene	8001-35-2	mg/l	0.5	0.001	U	0.001	U	0.001	U	0.001	U
<b>TCLP Metals</b>											
Arsenic, TCLP	7440-38-2	mg/l	5	1	U	1	U	1	U	1	U
Barium, TCLP	7440-39-3	mg/l	100	0.268	J	1.25		0.312	J	1.14	
Cadmium, TCLP	7440-43-9	mg/l	1	0.1	U	0.1	U	0.1	U	0.1	U
Chromium, TCLP	7440-47-3	mg/l	5	0.2	U	0.2	U	0.2	U	0.2	U
Lead, TCLP	7439-92-1	mg/l	5	0.5	U	0.234	J	0.5	U	0.262	J
Mercury, TCLP	7439-97-6	mg/l	0.2	0.001	U	0.001	U	0.001	U	0.001	U
Selenium, TCLP	7782-49-2	mg/l	1	0.5	U	0.5	U	0.5	U	0.5	U
Silver, TCLP	7440-22-4	mg/l	5	0.1	U	0.1	U	0.1	U	0.1	U
<b>Ignitability of Solids</b>											
Ignitability	NONE		NC	NI		NI		NI		NI	
<b>General Chemistry</b>											
Cyanide, Reactive	57-12-5	mg/kg	NC	10	U	10	U	10	U	10	U
pH (H)	12408-02-5	SU	NC	6.5		7.7		6.6		8.4	
Sulfide, Reactive	NONE	mg/kg	NC	10	U	10	U	10	U	10	U

**Notes:**  
 All analytical results for soil in milligrams per liter (mg/l) or milligrams per kilogram (mg/kg), as indicated  
 All sample depths presented in feet below ground surface  
 NC = No criteria established for this contaminant  
 SU = Standard units  
 J = Estimated concentration  
 U = Not detected at the reported detection limit for the sample.  
 EPA Table 1 - Maximum Concentration of Contaminants for the Toxicity Characteristic Leaching Procedure (TCLP) per 40CFR Part 261 as of September 10, 2015.  
 - = Not Analyzed

**Table 2  
Soil Waste Classification Results  
Penn Station Access Project 18-186**

Matrix Sample ID:	EPA Table 1: Maximum Concentration for TCLP	COMP-MP10.2-81 L1951803-08 11/1/2019 Corridor 0-2	COMP-MP10.1-83 L1952177-04 11/4/2019 Corridor 0-2.5	COMP-MP10.0-85 L1952177-02 11/4/2019 Corridor 0-3.5	COMP-MP9.9-87 L1952177-06 11/4/2019 Corridor 0-4.5	COMP-MP9.8-89 L1953398-03 11/8/2019 Corridor 0-5	COMP-MP9.7-90 L1954141-05 11/13/2019 Corridor 0-5	COMP-MP9.6-91 L1949022-04 10/18/2019 Corridor 0-7	COMP-MP9.6-92 L1954478-03 11/14/2019 Corridor 0-5								
<b>TCLP Volatiles</b>																	
1,1-Dichloroethene	75-35-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,2-Dichloroethane	107-06-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,4-Dichlorobenzene	106-46-7	mg/l	7.5	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Butanone	78-93-3	mg/l	200	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzene	71-43-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.0037	J	0.005	U	0.005	U	0.005	U
Carbon tetrachloride	56-23-5	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chlorobenzene	108-90-7	mg/l	100	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	67-66-3	mg/l	6	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
Tetrachloroethene	127-18-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Trichloroethene	79-01-6	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Vinyl chloride	75-01-4	mg/l	0.2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
<b>TCLP Semivolatiles</b>																	
2,4,5-Trichlorophenol	95-95-4	mg/l	400	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4,6-Trichlorophenol	88-06-2	mg/l	2	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4-Dinitrotoluene	121-14-2	mg/l	0.13	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Methylphenol	95-48-7	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
Hexachlorobenzene	118-74-1	mg/l	0.13	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachlorobutadiene	87-68-3	mg/l	0.5	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachloroethane	67-72-1	mg/l	3	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Nitrobenzene	98-95-3	mg/l	2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Pentachlorophenol	87-86-5	mg/l	100	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Pyridine	110-86-1	mg/l	5	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U
<b>TCLP Herbicides</b>																	
2,4,5-TP (Silvex)	93-72-1	mg/l	1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
2,4-D	94-75-7	mg/l	10	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
<b>TCLP Pesticides</b>																	
Chlordane	57-74-9	mg/l	0.03	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Endrin	72-20-8	mg/l	0.02	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Heptachlor	76-44-8	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Heptachlor epoxide	1024-57-3	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Lindane	58-89-9	mg/l	0.4	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Methoxychlor	72-43-5	mg/l	10	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Toxaphene	8001-35-2	mg/l	0.5	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
<b>TCLP Metals</b>																	
Arsenic, TCLP	7440-38-2	mg/l	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Barium, TCLP	7440-39-3	mg/l	100	0.616		0.96		0.9		0.499	J	1.37		0.151	J	0.834	
Cadmium, TCLP	7440-43-9	mg/l	1	0.1	U	0.1	U	0.01	J	0.1	U	0.017	J	0.1	U	0.1	U
Chromium, TCLP	7440-47-3	mg/l	5	0.2	U	0.2	U	0.2	U	0.2	U	0.053	J	0.2	U	0.2	U
Lead, TCLP	7439-92-1	mg/l	5	0.085	J	0.183	J	0.408	J	0.038	J	0.284	J	0.5	U	0.202	J
Mercury, TCLP	7439-97-6	mg/l	0.2	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Selenium, TCLP	7782-49-2	mg/l	1	0.5	U	0.05	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Silver, TCLP	7440-22-4	mg/l	5	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
<b>Ignitability of Solids</b>																	
Ignitability	NONE		NC	NI		NI		NI		NI		NI		NI		NI	
<b>General Chemistry</b>																	
Cyanide, Reactive	57-12-5	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U
pH (H)	12408-02-5	SU	NC	7.9		8.1		8.1		7.6		9.1		6.4		8	
Sulfide, Reactive	NONE	mg/kg	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U

**Notes:**  
 All analytical results for soil in milligrams per liter (mg/l) or milligrams per kilogram (mg/kg), as indicated  
 All sample depths presented in feet below ground surface  
 NC = No criteria established for this contaminant  
 SU = Standard units  
 J = Estimated concentration  
 U = Not detected at the reported detection limit for the sample.  
 EPA Table 1 - Maximum Concentration of Contaminants for the Toxicity Characteristic Leaching Procedure (TCLP) per 40CFR Part 261 as of September 10, 2015.  
 - = Not Analyzed

**Table 2  
Soil Waste Classification Results  
Penn Station Access Project 18-186**

Matrix Sample ID:			EPA Table 1: Maximum Concentration for TCLP	COMP-MP9.5-93	COMP-MP9.5-94	COMP-MP19.6-96	COMP-19.7-97	COMP-MP19.7-99					
Lab Sample ID:				L1948744-03	L1954478-05	L2003016-02	L2003846-04	L2003846-03					
Date Sampled:				10/17/2019	11/14/2019	1/22/2020	1/28/2020	1/28/2020					
Location Description:				Corridor	Corridor	Corridor	Corridor	Corridor					
Sample Depth (ft, bgs):				0-5	0-5	0-6	0-6	0-5					
<b>TCLP Volatiles</b>													
1,1-Dichloroethene	75-35-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,2-Dichloroethane	107-06-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,4-Dichlorobenzene	106-46-7	mg/l	7.5	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Butanone	78-93-3	mg/l	200	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzene	71-43-2	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Carbon tetrachloride	56-23-5	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chlorobenzene	108-90-7	mg/l	100	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	67-66-3	mg/l	6	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
Tetrachloroethene	127-18-4	mg/l	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Trichloroethene	79-01-6	mg/l	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Vinyl chloride	75-01-4	mg/l	0.2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
<b>TCLP Semivolatiles</b>													
2,4,5-Trichlorophenol	95-95-4	mg/l	400	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4,6-Trichlorophenol	88-06-2	mg/l	2	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4-Dinitrotoluene	121-14-2	mg/l	0.13	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Methylphenol	95-48-7	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	mg/l	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
Hexachlorobenzene	118-74-1	mg/l	0.13	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachlorobutadiene	87-68-3	mg/l	0.5	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachloroethane	67-72-1	mg/l	3	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Nitrobenzene	98-95-3	mg/l	2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Pentachlorophenol	87-86-5	mg/l	100	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Pyridine	110-86-1	mg/l	5	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U
<b>TCLP Herbicides</b>													
2,4,5-TP (Silvex)	93-72-1	mg/l	1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
2,4-D	94-75-7	mg/l	10	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
<b>TCLP Pesticides</b>													
Chlordane	57-74-9	mg/l	0.03	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Endrin	72-20-8	mg/l	0.02	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Heptachlor	76-44-8	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Heptachlor epoxide	1024-57-3	mg/l	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Lindane	58-89-9	mg/l	0.4	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Methoxychlor	72-43-5	mg/l	10	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Toxaphene	8001-35-2	mg/l	0.5	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
<b>TCLP Metals</b>													
Arsenic, TCLP	7440-38-2	mg/l	5	1	U	1	U	0.023	J	1	U	1	U
Barium, TCLP	7440-39-3	mg/l	100	0.753		0.845		0.426	J	0.394	J	0.339	J
Cadmium, TCLP	7440-43-9	mg/l	1	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Chromium, TCLP	7440-47-3	mg/l	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Lead, TCLP	7439-92-1	mg/l	5	0.357	J	0.083	J	0.5	U	0.031	J	0.049	J
Mercury, TCLP	7439-97-6	mg/l	0.2	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Selenium, TCLP	7782-49-2	mg/l	1	0.5	U	0.5	U	0.047	J	0.5	U	0.5	U
Silver, TCLP	7440-22-4	mg/l	5	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
<b>Ignitability of Solids</b>													
Ignitability	NONE		NC	NI		NI		NI		NI		NI	
<b>General Chemistry</b>													
Cyanide, Reactive	57-12-5	mg/kg	NC	10	U	10	U	10	U	10	U	10	U
pH (H)	12408-02-5	SU	NC	8.4		8.6		7.3		7.6		6.9	
Sulfide, Reactive	NONE	mg/kg	NC	10	U	10	U	10	U	10	U	10	U

**Notes:**  
 All analytical results for soil in milligrams per liter (mg/l) or milligrams per kilogram (mg/kg), as indicated  
 All sample depths presented in feet below ground surface  
 NC = No criteria established for this contaminant  
 SU = Standard units  
 J = Estimated concentration  
 U = Not detected at the reported detection limit for the sample.  
 EPA Table 1 - Maximum Concentration of Contaminants for the Toxicity Characteristic Leaching Procedure (TCLP) per 40CFR Part 261 as of September 10, 2015.  
 - = Not Analyzed







**K.6 TABLE 3. GROUNDWATER ANALYTICAL RESULTS**









Table 3
Groundwater Analytical Results
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, and various monitoring wells (S-1MW, S-1MW DEP, S-4, S-4 DEP, S-5MW, S-5MW DEP, S-9MW, S-9MW DEP, S-19, BR-1, BR-3, BR-6, BR-8, SS-2MW, SS-6MW). Rows include Organochlorine Pesticides by GC, Dissolved Metals, and General Chemistry.

\* Comparison is not performed on parameters with non-numeric criteria.
Notes:
NY-TOGS-GA: New York TOGS 1.1.1 Groundwater Standards and Guidance Values criteria reflects all addendum to criteria through June 2004.
NYCDEP Sewer Discharge Parameters: New York City Department of Environmental Protection; Criteria to temporarily discharge to sewer -- current as of 5/2007

Table 3
Groundwater Analytical Results
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, and various monitoring points (SS-6MW DEP, SS-8MW DEP, SS-10 DEP, SS-11 DEP, SS-14 DEP, MP19.6-96, MP15.6-5, MP 14.8-15, MP 14.5-20, MP 14.4-23, MP13.8-27, MP 13.6-31, MP 1). Rows include various chemical compounds like Volatiles Organics by GC/MS, 1,4-Dioxane, Acetone, Benzene, etc.

Notes:
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations criteria reflects all addendum to cr
NYCDEP Sewer Discharge Parameters: New York City Department of Environmental Protection: Criteria
Exceeds NY TOGS-GA
Exceeds NYC-Sewer
Reporting Limit Exceeds Standards

Table 3
Groundwater Analytical Results
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, NY TOGS Class GA, NYCDEP Sewer Discharge Parameters, and various monitoring wells (SS-6MW DEP, SS-8MW, SS-10 DEP, SS-11 DEP, SS-14 DEP, MP19.6-96, etc.) with corresponding chemical names and concentrations.

Notes:
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations criteria reflects all addendum to NY
NYCDEP Sewer Discharge Parameters: New York City Department of Environmental Protection; Criteria
Exceeds NY TOGS-GA
Exceeds NYC-Sewer
Reporting Limit Exceeds Standards

Table 3 Groundwater Analytical Results Penn Station Access Project 18-186

Table with 24 columns for various monitoring points (SS-6MW DEP, SS-8MW, SS-10 DEP, SS-11 DEP, SS-14 DEP, MP19.6-96, MP15.6-5, MP 14.8-15, MP 14.5-20, MP 14.4-23, MP13.8-27, MP 13.6-31, MP 1) and rows for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Northing, Easting, Dilution Factor, and various chemical analytes (Organochlorine Pesticides, Dissolved Metals, Total Metals, General Chemistry).

Comparison is not performed on parameters with non-numeric criteria. Notes: NY-TOGS-GA: New York TOGS 1.1.1 Groundwater Standards and Guidance Values criteria reflects all NYCDEP Sewer Discharge Parameters: New York City Department of Environmental Protection: Criteria





Table 3
Groundwater Analytical Results
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, Northing, Easting, Dilution Factor, and 16 monitoring points (MP12.3-39 to MP9.8-87). Rows include Semivolatile Organics by GC/MS and Polychlorinated Biphenyls by GC.

Notes:
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations criteria reflects all addendum to or
NYCDEP Sewer Discharge Parameters: New York City Department of Environmental Protection: Criteria
Exceeds NY TOGS-GA
Exceeds NYC-Sewer
Reporting Limit Exceeds Standards

Table 3  
Groundwater Analytical Results  
Penn Station Access Project 18-186

Table with columns for Matrix Sample ID, Lab Sample ID, Date Sampled, Location Description, and various analytical parameters across multiple monitoring points (MP 3.4-35 to MP 9.8-87). Parameters include Organochlorine Pesticides by GC, Dissolved Metals, and General Chemistry.

\* Comparison is not performed on parameters with non-numeric criteria.

Notes:  
NY-TOGS-GA: New York TOGS 1.1.1 Groundwater Standards and Guidance Values criteria reflects all NYCDEP Sewer Discharge Parameters: New York City Department of Environmental Protection: Criteria  
Exceeds NY TOGS-GA  
Exceeds NYC-Sewer Discharge Parameters  
Reporting Limit Exceeds Standards