

Ms. Greta Kowalski, P.G.
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Action Bureau C
625 Broadway
Albany, New York 12233-7017

Arcadis of New York, Inc.
One Lincoln Center
110 West Fayette Street
Suite 300
Syracuse
New York 13202
Phone: 315 446 9120
Fax: 315 449 0017
www.arcadis.com

Date: December 9, 2024

Our Ref: 30003953 #10

Subject: National Grid
North Albany Service Center
Bridge Street & Mill Street Gas Main Relocation
Proposed Soil Investigation

Dear Ms. Kowalski,

On behalf of National Grid, this letter presents a soil investigation work plan in support of National Grid's plans to install a new 2-inch diameter plastic gas main immediately south of the North Albany Service Center / former manufactured gas plant (MGP) site (see Figure 1 for the site location). The proposed new gas main will extend east-to-west along the north side of Bridge Street (from Broadway to Mill Street) and along the east side of Mill Street toward the driveway entrance to Buildings 2-3 and 2-4, in the general area shown on Figure 2. The proposed new gas main will be installed adjacent to a former polychlorinated biphenyl (PCB) soil remediation area at the site, where PCB-impacted soil was excavated and transported for offsite disposal and an asphalt cap was constructed. The PCB soil remedial was implemented in 2007 as an interim remedial measure (IRM) with New York State Department of Environmental Conservation (NYSDEC) oversight. The PCB remediation limits are shown on Figure 3. The PCB cleanup levels achieved by the IRM were 1 part per million (ppm) for surface soil (defined as soil at depths of less than 1 foot below grade) and 10 ppm for subsurface soil. The work performed as part of the IRM is summarized in the *Yard Storage Area Interim Remedial Measure Summary Report* (Arcadis, November 2007).

Conditions along the proposed new gas main alignment have not been previously evaluated. The proposed soil investigation detailed herein will be implemented to evaluate subsurface conditions within the anticipated excavation limits for the new gas main. The soil investigation data will be used to evaluate: (1) worker health and safety requirements for the gas main trenching and installation; and (2) potential soil handling/management alternatives for soil generated by the pipe trenching.

Relevant background information is presented below, followed by details of the proposed soil investigation and the anticipated schedule.

1. BACKGROUND INFORMATION

Approximately 750 lineal feet of new 2-inch diameter plastic natural gas main will be installed along the approximate alignment shown on Figure 4. The gas main will generally be installed as follows:

- Between the concrete sidewalk and the fence on the National Grid property boundary, just north of Bridge Street.
- On the east or west side of the fence that extends parallel to the northern section of Mill Street (i.e., within the roadway or just inside the fenced-in portion of the site). The alignment will be determined in the field during a reconnaissance to mark-out proposed sampling locations.

The proposed new gas main pipe will be installed at a depth of approximately 2.5 feet below ground surface (bgs). The trench to be excavated for the pipe installation will be approximately 2.5 feet wide and 3 feet deep, generating approximately 208 cubic yards of spoils that will need to be properly managed. The trench will be backfilled with pipe bedding material (stone dust or sand), select fill, and potentially some of the soil excavated from the trench (reuse material). NYSDEC's Request to Import/Reuse Fill or Soil form will be completed and submitted to the NYSDEC before fill material is imported or reused onsite.

Based on review of boring logs for soil borings formerly drilled closest to the proposed gas main alignment (i.e., soil borings SB-122, SB-175, and SB-176, as shown on the figure in Attachment 1), the soil to be excavated for the proposed new gas main installation is anticipated to be primarily fill, consisting of gravel and/or sand, with some coal, cinders, slag, and/or brick fragments. Refer to Attachment 1 for the boring logs for the above-identified borings.

Groundwater is not anticipated to be encountered in the trench for the proposed new gas main. Groundwater was not previously encountered in any of the IRM excavation areas, which were completed to depths of up to 6 feet bgs. Historical water level measurements indicate that groundwater was encountered at approximately 12 or 15 feet bgs at nearby monitoring wells MW-9 (southwestern part of the site) and MW-11 (southeastern part of the site), respectively.

2. PROPOSED SOIL INVESTIGATION

Details of the proposed soil investigation for the new gas main installation are provided below, followed by plans for community air monitoring, decontamination, and waste management.

2.1 – Utility Clearance/Permitting

Arcadis' proposed drilling subcontractor for the soil investigation (Parratt-Wolff, Inc. of East Syracuse, New York [Parratt-Wolff]) will contact UDig NY (formerly known as DigSafely NY) approximately one week before the planned start of the soil investigation, to initiate a subsurface utility clearance request to identify and mark underground utility locations in the work area limits shown on Figure 2. The UDig NY request is anticipated to be made on December 9, 2024. National Grid and Arcadis plan to meet on December 12, 2024 to field-locate and mark proposed boring locations, starting by using tie-distances from nearby features and then measuring the approximately 75 foot spacing between individual sampling locations for a layout generally consistent with Figure 4. Sampling locations will be adjusted in the field as needed to facilitate access. National Grid has already obtained a Street Opening Permit from the City of Albany for the proposed work (Permit #24-0426).

2.2 – Proposed Vacuum Boring and Sampling

Paratt-Wolff will use a vacuum truck to complete soil borings at nine locations (locations B-401 through B-409), as shown on Figure 4. Vacuum excavation is proposed for the soil investigation in lieu of direct-push drilling techniques given the shallow depth of the borings (3 feet) and potential to encounter unmarked obstacles/debris/utilities.

Arcadis will provide an onsite geologist to visually characterize soil removed from the borings, submit selected samples for laboratory analysis, and perform community air monitoring. Soil samples will be collected from each boring at approximately one-foot depth intervals for visual characterization and photoionization detector (PID) screening. The samples will be collected by scraping the inside of the boring by hand (nitrile glove) or using a decontaminated stainless steel spoon. Each soil sample will be visually classified in accordance with ASTM D2488 (Standard Practice for Description and Identification of Soils [Visual-Manual Procedures]) or in general accordance with the Burmister Soil Classification System. The classification, PID readings, and the presence/absence of visible staining or obvious odors encountered in the soil will be documented in a field notebook. Soil samples from the borings will be submitted to Adirondack Environmental Services of Albany, New York for laboratory analysis as follows:

- *PCBs:* Two soil samples from each boring will be submitted for laboratory analysis for PCBs using United States Environmental Protection Agency (USEPA) SW-846 Method 8082A. A soil sample from the 0-0.5 foot depth interval at each boring location (or the first 0.5-foot interval below asphalt/concrete cover materials) will be submitted for laboratory analysis for PCBs. The second PCB soil sample from each boring will be collected from the 0.5-2 foot depth interval (if no staining, odors, or elevated PID readings are encountered) or from the bottom of the boring (e.g., 2-3 feet).
- *Other Constituents:* Three composite soil samples (i.e., sample SB-COMP-1 from borings SB-401, SB-402, and SB-403; sample SB-COMP-2 from borings SB-404, SB-405, and SB-406; and sample SB-COMP-3 from borings SB-407, SB-408, and SB-409) will be submitted for laboratory analysis for the waste characterization parameters required for offsite thermal treatment/disposal at the Clean Earth facility in Fort Edward, New York (Clean Earth). Each composite sample will be formed from three discrete grab samples (one each from the three borings designated for the compositing). The discrete grab samples will be biased toward impacts, if encountered. Each composite sample will be submitted for laboratory analysis for the following:
 - Target Compound List (TCL) volatile organic compounds (VOCs) using USEPA SW-846 Method 8260C.
 - TCL semi-volatile organic compounds (SVOCs) using USEPA SW-846 Method 8270D.
 - Target Analyte List (TAL) inorganic constituents using USEPA SW-846 Methods 6010C/7471B.
 - Total cyanide using USEPA SW-846 Method 9012B.
 - Total petroleum hydrocarbons (TPH) diesel range organics (DRO) using USEPA SW-846 Method 8015D.
 - TPH gasoline range organics (GRO) using USEPA SW-846 Method 8015D.
 - Percent sulfur using ASTM Method D4239.
 - Heat of combustion using ASTM Method D240-87.

Laboratory analysis of the soil samples will be performed on a standard turnaround, with results reported approximately 10 business days following sample receipt by the laboratory. The results will be reported using NYSDEC Analytical Services Protocol Category B data deliverables.

The soil borings will be backfilled with bentonite chips or cement/bentonite grout. The ground surface at each location will be restored by the following, depending on location: (1) placing bagged topsoil and seed/mulch commercially available (obtained from a local home improvement store); (2) re-grading crushed stone; (3) installing asphalt cold patch or concrete. The final boring locations will be documented by an Arcadis survey subcontractor (Thew Associates LS, PLLC of Marcy, New York).

2.3 – Community Air Monitoring

Community air monitoring will be performed by Arcadis during the drilling work in accordance with the New York State Department of Health Generic Community Air Monitoring Plan included in Appendix 1A to the NYSDEC's Program Policy Document titled, DER-10 / Technical Guidance for Site Investigation and Remediation, dated May 3, 2010. This will involve monitoring for volatile organic vapors and particulates at one upwind and one downwind monitoring station. The air monitoring stations will be adjusted in the morning and afternoon, as needed, based on changes in prevailing wind direction. The monitoring equipment will calculate and record 15-minute running average concentrations.

2.4 – Decontamination

Parratt-Wolff will decontaminate the vacuum truck once the soil borings are completed. The vacuum truck will be decontaminated by brushing off adhered soil/debris over a decontamination pad and then hand washing and/or steam-cleaning with a non-phosphate detergent (e.g., Alconox) and clean water rinse, with water collected in a decontamination pad. The wash-water generated by decontamination will be transferred to one or more steel 55-gallon drums.

2.5 – Waste Management

Soil cuttings generated by the drilling will be contained in steel 55-gallon drums. The cuttings and equipment decontamination waters will be characterized for offsite transportation and disposal by National Grid's waste disposal vendor.

3. REPORTING

Arcadis will prepare a letter report to the NYSDEC summarizing the soil investigation fieldwork, findings, and proposed environmental requirements for the new natural gas main trenching/installation, as appropriate based on sample results. The letter will address the following aspects of the planned construction: health and safety, dust/vapor/emissions controls, community air monitoring, excavation/material handling, water management, imported fill, demarcation, and decontamination. The letter report will be supported by the following:

- Data tables presenting the analytical results compared to commercial- and industrial-use soil cleanup objectives (SCOs) presented in Title 6 of the New York Codes, Rules and Regulations (6 NYCRR) Part 375-6.8(b) and Clean Earth acceptance criteria, as applicable.
- Figures showing the site location, site layout including proposed natural gas main alignment, the soil sampling locations along the new natural gas main footprint, and analytical results for constituents exceeding SCOs.
- Soil boring logs.
- Laboratory analytical data reports and photographs (electronic attachments only).

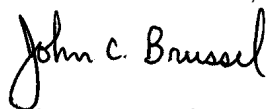
3. SCHEDULE

The proposed vacuum boring/soil sampling is scheduled to begin on December 16, 2024 and take two to three days to complete. As indicated above, laboratory analysis of the soil samples will be performed on a routine turnaround with results available approximately two weeks following laboratory sample receipt and login. We anticipate submitting the investigation summary letter report to the NYSDEC in February or March 2025.

Ms. Greta Kowalski, P.G.
December 9, 2024

Please let us know if the NYSDEC would like to visit the site during the soil investigation and we can arrange to meet. Feel free to call Garry Cummins of National Grid at 315.440.5825 or me at 315.671.9441 if you have any questions or need additional information.

Sincerely,
Arcadis of New York, Inc.



John C. Brussel, P.E.
Principal Engineer/Certified Project Manager

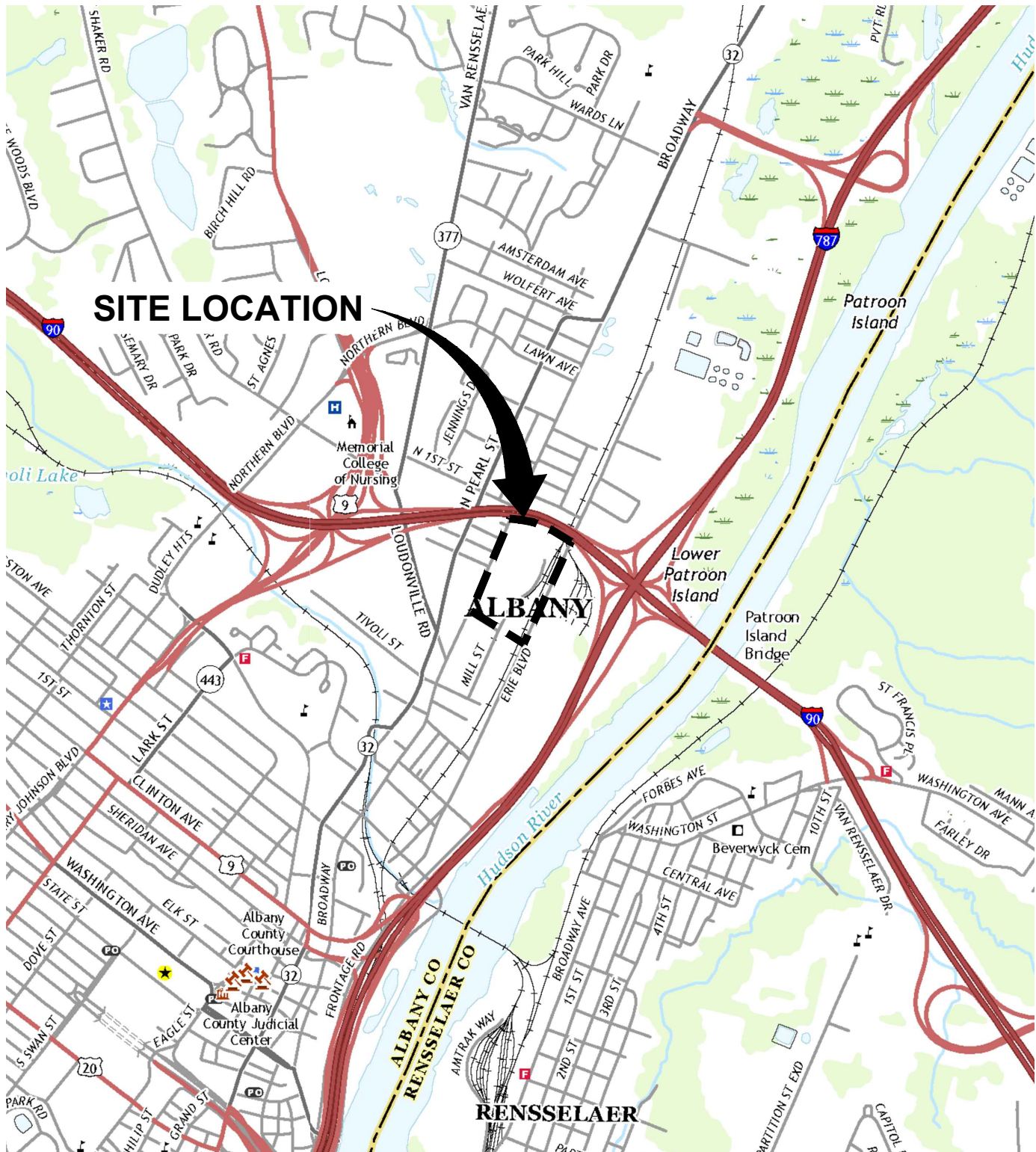
Email: John.Brussel@arcadis.com
Direct Line: 315.671.9441

CC: Gerald P. Cummins, National Grid (via e-mail)
Matthew Root, National Grid (via e-mail)
Collin Runkel, National Grid (via e-mail)
Brian Taylor, National Grid (via e-mail)
Matthew S. Hysell, P.E., Arcadis of New York, Inc. (via e-mail)

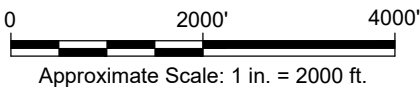
Enclosures:

- Figure 1 – Site Location Map
- Figure 2 – Site Layout and Proposed Soil Investigation Area
- Figure 3 – Previous Yard Storage Area IRM Limits and Proposed Soil Sampling Locations
- Figure 4 – Proposed Soil Sampling Locations on Aerial Photo
- Attachment 1 – Historical Soil Boring Locations and Select Logs

Figures



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., ALBANY & TROY SOUTH, NY, 2019.



NATIONAL GRID
NORTH ALBANY FORMER MGP SITE
ALBANY, NEW YORK

SITE LOCATION MAP



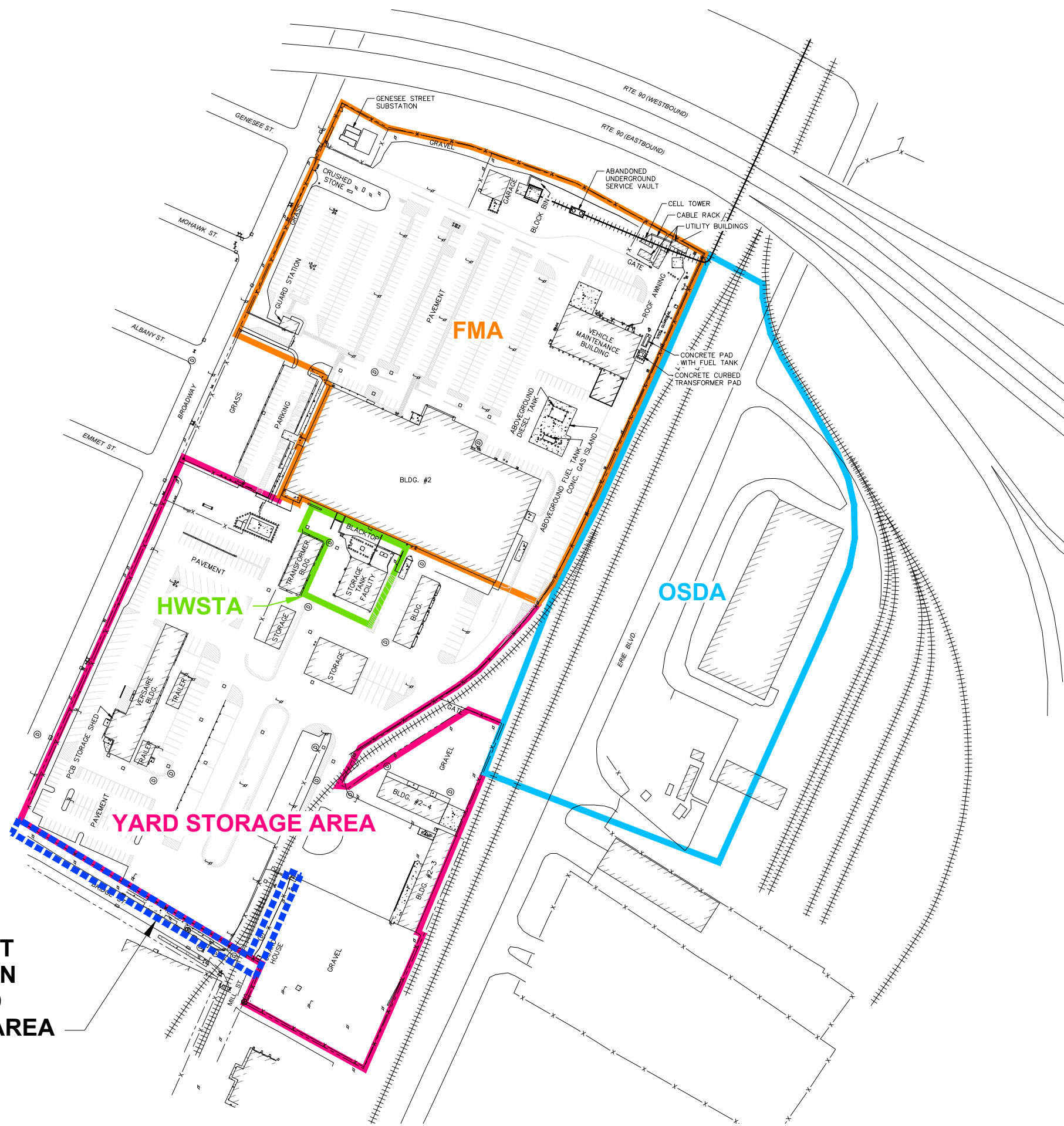
FIGURE

1

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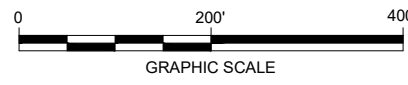
IMAGES:
Arcadis Logo.png

PROPOSED BRIDGE STREET & MILL STREET GAS MAIN RELOCATION AREA AND PROPOSED SOIL INVESTIGATION AREA



- LEGEND:**
- PROPOSED BRIDGE STREET & MILL STREET GAS MAIN RELOCATION AREA AND PROPOSED SOIL INVESTIGATION AREA
 - FORMER MGP AREA
 - OFF-SITE DOWNGRADIANT AREA
 - HAZARDOUS WASTE STORAGE TANK AREA
 - YARD STORAGE AREA
 - APPROXIMATE PROPERTY LINE
 - GUARD RAIL
 - FENCE
 - EXISTING RAILROAD
 - APPROXIMATE LOCATION OF FORMER HIGH TEMPERATURE SUPERCONDUCTIVE CABLE

- NOTES:**
- BASE MAPPING WAS COMPILED FROM A SURVEY PERFORMED BY C.T. MALE ASSOCIATES ENGINEERING, SURVEYING, ARCHITECTURE & LANDSCAPE ARCHITECTURE, D.P.C., OF ALBANY, NEW YORK, DATED SEPTEMBER 21, 2017.
 - FMA = FORMER MANUFACTURED GAS (MGP) PLANT AREA.
 - OSDA = OFF-SITE DOWNGRADIANT AREA.
 - HWSTA = HAZARDOUS WASTE STORAGE TANK AREA.



NATIONAL GRID
NORTH ALBANY FORMER MGP SITE
ALBANY, NEW YORK

**SITE LAYOUT AND PROPOSED SOIL
INVESTIGATION AREA**

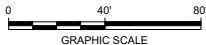
FIGURE
2

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- LEGEND:**
- x — x — FENCE
 - +++++ EXISTING RAILROAD
 - - - - - APPROXIMATE PROPERTY LINE
 - ⊕ MGP/RCRA GROUNDWATER MONITORING WELL LOCATION
 - ⊞ MGP/RCRA PIEZOMETER
 - ▲ MGP/RCRA SOIL BORING LOCATION
 - ⊞ MGP/RCRA TEST PIT LOCATION
 - ⊕ PSA/IRM GROUNDWATER MONITORING WELL LOCATION
 - ▲ PSA/IRM SOIL BORING LOCATION
 - ▲ SUPPLEMENTAL INVESTIGATION SOIL BORING LOCATION
 - ⊕ UTILITY POLE
 - ⊕ UTILITY POLE WITH LIGHT
 - ⊕ EXISTING STORM SEWER MANHOLE
 - ⊕ EXISTING SANITARY MANHOLE
 - ⊕ EXISTING ELECTRICAL MANHOLE
 - D — STORM SEWER
 - S — SANITARY SEWER
 - E — ELECTRICAL LINE
 - G — GAS LINE
 - W — WATER LINE
 - APPROXIMATE LIMITS OF ASPHALT CAP
 - APPROXIMATE LIMITS OF SPCC AREA
 - APPROXIMATE SOIL EXCAVATION AREA BOUNDARY
 - G — PROPOSED NEW 2" PL 24# GAS MAIN
 - ▲ SB-401 PROPOSED SOIL SAMPLING LOCATION

- NOTES:**
1. BASE MAP (INCLUDING BUILDING LOCATIONS AND PSA/IRM SAMPLING LOCATIONS) DEVELOPED FROM ELECTRONIC FILE OF NIAGARA MOHAWK POWER CORPORATION (NMPC) DRAWING NO. C-29736-C, DATED JULY 1994, ENTITLED NORTH ALBANY SERVICE CENTER HAZARDOUS WASTE MANAGEMENT PERMIT APPLICATION, TOPOGRAPHIC MAP - INDEX SHEET.
 2. LOCATIONS OF UNDERGROUND UTILITIES (INCLUDING ON-SITE STORM SEWERS, SANITARY SEWERS, TELEPHONE LINES, ELECTRICAL LINES, GAS LINES, WATER LINES, AND CABLE) WERE DIGITIZED FROM NMPC DRAWING NO. D-29734-E, FILE INDEX NO. 20.3-A1.1-B2, DATED JUNE 27, 1994, ENTITLED NORTH ALBANY SERVICE CENTER SITE PLAN - PAVING (OUTSIDE FENCE). LOCATION OF UNDERGROUND TELEPHONE LINES, ELECTRICAL LINES, GAS LINES, AND CABLE LINES WERE UPDATED BASED ON ELECTROMAGNETIC UTILITY SURVEY CONDUCTED BY UNDERGROUND SERVICES, INC. DURING OCTOBER 2012. ACTUAL LOCATIONS OF UNDERGROUND UTILITIES MUST BE DETERMINED/CONFIRMED PRIOR TO IMPLEMENTING SUBSURFACE WORK ACTIVITIES.
 3. LOCATIONS OF MANHOLES AND CATCH BASINS WERE OBTAINED FROM SURVEYS CONDUCTED BY NMPC DURING JULY/AUGUST 1997 AND NATIONAL GRID DURING OCTOBER 2012.
 4. LOCATIONS OF OFF-SITE STORM AND SANITARY SEWERS WERE DIGITIZED FROM CITY OF ALBANY DRAWINGS AND ARE APPROXIMATE.
 5. LOCATIONS OF SOIL BORINGS SB-179 AND SB-180 WERE MEASURED IN THE FIELD AND ARE APPROXIMATE.
 6. MGP = MANUFACTURED GAS PLANT.
 7. RCRA = RESOURCE CONSERVATION RECOVERY ACT.
 8. PSA/IRM = PRELIMINARY SITE ASSESSMENT/INTERIM REMEDIAL MEASURE.
 9. SPCC = SPILL PREVENTION, CONTROL, AND COUNTERMEASURE.



NATIONAL GRID
NORTH ALBANY FORMER MGP SITE
ALBANY, NEW YORK

**PREVIOUS YARD STORAGE AREA IRM
LIMITS AND PROPOSED SOIL
SAMPLING LOCATIONS**



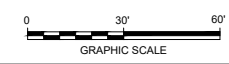


LEGEND:

- EXISTING 6-INCH DIAMETER CAST IRON LOW-PRESSURE GAS MAIN (TO BE REPLACED)
- EXISTING 6-INCH DIAMETER CARBON STEEL LOW-PRESSURE GAS MAIN (TO BE REPLACED)
- PROPOSED NEW 2-INCH DIAMETER PLASTIC 24-PSI GAS MAIN
- PROPOSED SOIL SAMPLING LOCATION

NOTE:

- AERIAL IMAGERY OBTAINED FROM © 2024 MICROSOFT CORPORATION © 2024 MAXAR © CNES (2024) DISTRIBUTION AIRBUS DS.



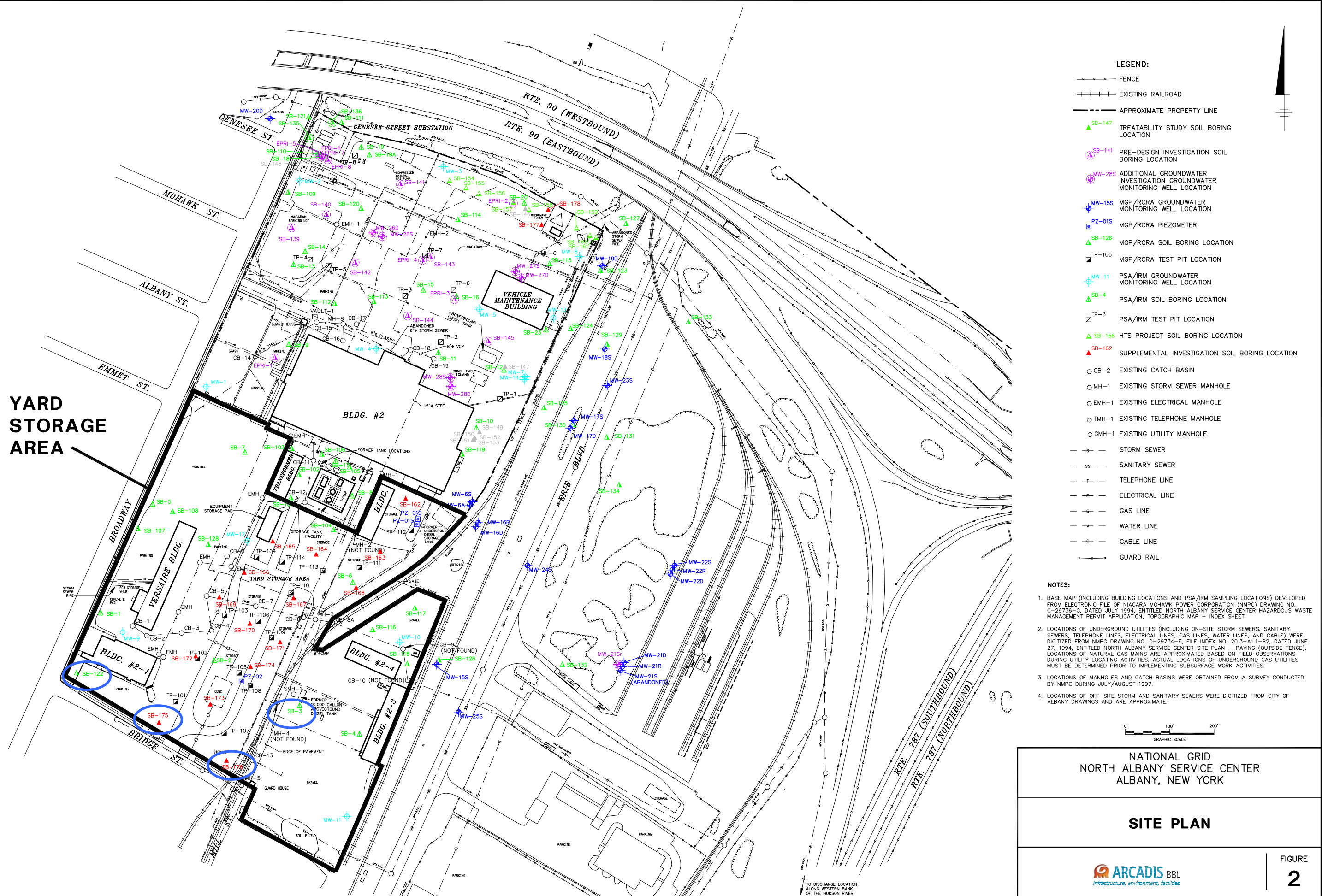
NATIONAL GRID
NORTH ALBANY FORMER MGP SITE
ALBANY, NEW YORK

PROPOSED SOIL SAMPLING LOCATIONS
ON AERIAL PHOTO



Attachment 1

Historical Soil Boring Locations and Select Logs



LOG OF BORING

PROJECT: Niagara Mohawk

PROJECT NO:

LOCATION: N. Albany, NY

GEOLOGIST: K. MacGregor

DRILLER: STB

DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2' Airborn Reel Split Spoon

BORING NUMBER: SB-3

DATE STARTED: 10/6/94

DATE COMPLETED: 10/6/94

GROUNDWATER DEPTH: ~15 feet

ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PRO-FILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION		ORP CHNO ppm	COMMENTS
							Time	Date		
	0									
	.5					gravel surface				
		15-20-15	14"		FILL	0-8": Med-lt. brn f-c SAND, little f-mgrvl and silt, dry 8-14": Black silty f-m SAND, little f-mgrvl, dry to sl. moist	1414	10/6/94	NAB	
	2									
		13-14-15-18	21"		FILL	0-7": Brn, black and rust colored f-m SAND, little f-mgrvl, ashes, slag-like fragments, dry 7-8": Brick fragments 8-16": Med brn sandy SILT, little f-grvl and clay, tight 16-20": Black ashes 20-21": Lt. yellow f-m sand, tight	1420	10/6/94	NAB	
	4									
		4-3-4-4	16"		CL All?	0-16": Med-lt. grey-brn. silty CLAY, tr. f-m SAND, sl. moist.	1437	10/6/94	2ppm, Peak 20ppm	
	6									
SB-3 6-8		4-3-4-5	19"		CL Fill?	0-19" as above, sl. moist to moist.	1440	10/6/94	2ppm	Indicators
	8									
		2-4-3-6	24"		ML SR	0-12": as above 12-22": Med grey clayey SILT, tr. f. sand, sl. moist. 22-24": Med grey f-c SAND, tr. f-grvl and silt, sl. moist.	1450	10/6/94	10ppm, Peak 90ppm	3" spoon
	10									

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk

BORING NUMBER: SB-3

PROJECT NO:

DATE STARTED: 10/6/94

LOCATION: N. Albany, NY

DATE COMPLETED: 10/6/94

GEOLOGIST: K. MacGregor

GROUNDWATER DEPTH: ~15 feet

DRILLER: JB Drilling

ELEVATION:

DRILLING/SAMPLING METHOD: 4 1/4" HSA / 2" Carbon Steel Split Spoon

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PRO-FILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION		MNO ppm	COMMENTS
							Time	Date		
	10									
		3-3-4	18"		ML	0-4" as above	1452	10/6/94	4 ppm	
		4			OL-ML	4-12": Med grey clayey silt, tr. f. sand, st. moist.				
	12					12-18": Med. green-grey sandy clay little tr. silt and f. gravel, st. moist				
		6-7-8	24"		SM	0-11" as above	1454	10/6/94	30 ppm, Peak 80 ppm	
		6				11-24": Med grey green silty f-c sand, tr. clay and f-c gravel, st. moist.				
	14									
SB-3		5-7-7	22"		GC	0-8": Med grey gravelly clay, gravel f-c, little tr. f-c sand, moist, shale frag.	1508	10/6/94	Peak 60 ppm	3" spoon
14-16		7			GP	8-22": Med grey f-c GRAVEL and f-c sand, tr. clay, shale fragments, saturated				Indicators
	16									
SB-14		4-6-8	12"		GP	0-4" as above	1511	10/6/94	NAB	Geotechnical
18'		4				4-12": Med brn f-c sand and f. gravel, little tr. clay, weathered shale, saturated				
	18									
		20-13	18"		GP	0-16": Med grey f-c sand and f. GRAVEL, tr. silt, saturated, few weathered shale fragments.	1518	10/6/94	NAB	
		13-25				16-18": large gravel				
	20									
SD-3		12-5-6	3"		GP	0-8": Med grey f-c sand and f-c gravel, tr. clay, saturated, shale fragments	1537	10/6/94	NAB	TLL/TAL
21-22		10								
	22									

NOTES:

LOG OF BORING

PROJECT: Niagara Mohawk
 PROJECT NO:
 LOCATION: N. Albany, NY
 GEOLOGIST: K. MacGregor
 DRILLER: STB
 DRILLING/SAMPLING METHOD:

BORING NUMBER: SB-3
 DATE STARTED: 10/6/94
 DATE COMPLETED: 10/6/94
 GROUNDWATER DEPTH: ~15 feet
 ELEVATION:

SAMPLE ID	DEPTH (feet)	BLOWS per 6"	RECOVERY	PRO-FILE	USCS CLASS	MATERIAL DESCRIPTION	COLLECTION		HINu ppm	COMMENTS
							Time	Date		
	22									
		8-10-7	19"			0-16": as above,	1941	10/6/94	NAB	
		8			TILL	16-19": med grey sandy CLAY, little f. grv and shab, saturated				
	24									
		10-18-	23"			0-28": med grey f. CLAY and shale, str. clay and silt.	1559	10/6/94	NAB	3" spoon
		25-35			TILL					
	26									
SB-3		11-13-	16"			0-16": med grey sandy CLAY and shale, saturated	1608	10/6/94	NAB	Indicators
26-28		14-17			TILL					
	28									
		10-20-	14"			0-12": med grey CLAY and shale, little tr. f. sand.	1617	10/6/94	NAB	
		23-			TILL	12-14": grey shale, solid				
		59 3/4"								
						29.8' - Boring terminated.				

NOTES:

Date Start/Finish: 10/17/96 - 10/17/96 Drilling Company: SJB Driller's Name: Chris Ackley Drilling Method: Hollow Stem Auger Bit Size: Auger Size : 4.25" ID Rig Type: Deidrick D-50 Spoon Size: 2" OD Hammer Weight: 140-lb Height of Fall: 30-in.	Northing: 1397268.4016 Easting: 696117.9573 Borehole Depth: 16 ft. Ground Surface Elev.: 24.86 ft. Descriptions by: Ronald D. Kuhn	Boring No. SB-122 Client: Niagara Mohawk Power Corporation Site: 1125 Broadway Albany, New York
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DEPTH	ELEVATION	Sample Interval	Spoon Size (in,OD)	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	USCS Code	Geologic Column	Stratigraphic Description	Boring Construction
gs elevation 24.86 ft.										GROUND SURFACE	
5 20 <											

Site:
1125 Broadway
Albany, New York

Boring No. SB-122
Total Depth = 18 ft.

Client:
Niagara Mohawk Power Corporation

DEPTH	ELEVATION	Sample Interval	Spoon Size (in,OD)	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	USCS Code	Geologic Column	Stratigraphic Description	Boring Construction
		(14-16')	2"	18	28	1.4	0.0	SH		Dark gray weathered SHALE, saturated.	 Type 1 portland cement/5% bentonite grout 0' to 16.0' bgs
										End of boring at 16.0' bgs.	
20	5										
25	0										
30	-5										
35	-10										



BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:

Saturated Zones		
Date / Time	Elevation	Depth

Date Start/Finish: 2/22/05 Drilling Company: BBL Driller's Name: Jay Boland Drilling Method: Geoprobe Direct Push Sampler Size: 4' x 2" ID Lexane liners	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' below grade Surface Elevation: 19.1' Descriptions By: Joseph Lisi	Boring ID: SB-176 Client: Niagara Mohawk, A National Grid Company Location: North Albany Service Center 1125 Broadway Albany, NY
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Boring Construction
20									
0		1	0-4	2.8	NA	×	   		
15						×			
5		2	4-8	1.8	NA				
10		3	8-10	0.0	NA		No Recovery.		
10									
5									
15									

Borehole backfilled with Bentonite to grade.

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Remarks: bgs = below ground surface; NA = Not Available/Applicable.
 Soil samples collected from 0 - 0.5' bgs for PCBs and TCL SVOCs; and from 2.0' - 4.0' bgs for PCBs, TCL SVOCs, and TCL VOCs.

 No PID readings recorded due to PID malfunction.