

April 10, 2019

Mr. R. Scott Deyette Chief, Inspection Unit New York State Department of Environmental Conservation MGP Remedial Section, Division of Environmental Remediation Bureau of Western Remedial Action, 11<sup>th</sup> Floor 625 Broadway Albany, New York 12233-7017

## Intrusive Activity Summary Report East Garden City Former Stewart Avenue Holder Station East Garden City, New York Site No. 130120 Order on Consent Index No. A2-0552-0606

Dear Mr. Deyette,

This report is a summary of work completed and data collected during completed intrusive activities recently conducted at the East Garden City Former Stewart Avenue Holder Station Site (the Site). The projects included the advancement of test holes using vacuum technology for utility location just north of the substation and the installation of an electrical conduit within the substation. The work was conducted for the Public Service Enterprise Group - Long Island (PSEG-LI) at the Site.

Notices of Intrusive Activities (NOIA) for the test hole and conduit installation projects were submitted to the New York State Department of Environmental Conservation (NYSDEC) on December 18, 2018 and January 8, 2019, respectively. National Grid retained GEI Consultants, Inc., P.C. (GEI) to conduct community air monitoring, environmental oversight, and soil management for all intrusive activities in accordance with the SMP.

GEI was on-Site during the test hole excavation and backfilling on December 19, 2018 through December 21, 2018. The electrical conduit was excavated, installed, and backfilled on January 16, 2019 and January 23, 2019. A summary of the field activities is provided below.

## **Summary of Field Activities**

WRS Environmental Services (WRS) performed soil removal activities utilizing a vacuum truck to excavate at 11 locations on the Site. Nine of the locations were located along the paved roadway in the center of the Site and two were located in the unpaved area near the eastern boundary of the Site. The test holes were advanced until the subject utility line or conduit was encountered. At several locations, secondary holes were excavated if the subject utility line was not discovered at the initial location. The excavated soil was screened for visual and olfactory impacts as well as with a photo-ionization detector (PID). No impacts were observed.

The subject utility line or conduit was surveyed once located and the excavation subsequently backfilled. Boreholes were backfilled with sand and covered with cold patch. Approximate locations of the borings can be found in **Attachment 1**.

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The electrical conduit excavation was performed by WRS utilizing a vacuum truck. An approximate two foot wide by two foot high trench with an approximate total length of 100 feet was excavated to install electrical conduit. The excavated soil was screened for visual and olfactory impacts as well as with a PID. No impacts were observed. All excavated soil was placed in a roll-off and the trench was backfilled with clean sand that met PSEG's requirements for backfill around electrical conduits in the substation. A waste characterization sample was taken during excavation and excavated soils were disposed of at Bay Shore Recycling Corp. in Keasby, New Jersey. The manifest and weight ticket can be found as **Attachment 2**. **Attachment 1** provides the location of the conduit trench.

## **Community and Work Zone Air Monitoring Results**

Real time air monitoring for total volatile organic compounds (TVOCs) and respirable particulate matter ( $PM_{10}$ ) was performed during intrusive work at upwind and downwind tripod-mounted stations. Each station consisted of a weather-tight enclosure, a PID (RAE systems MiniRAE 3000), and a dust monitor (TSI DustTrak II 8530).

There were no exceedances of the time-weighted average (TWA) for TVOCs or dust measurements during the excavation work. Air monitoring data can be provided upon request. There were no visual or olfactory MGP-related impacts encountered during all work conducted at the site.

If you have any questions, please feel free to contact me at 516-545-2568 or by email at <u>sarah.aldridge@nationalgrid.com</u>.

Sincerely,

Christopher Morris, P.G.

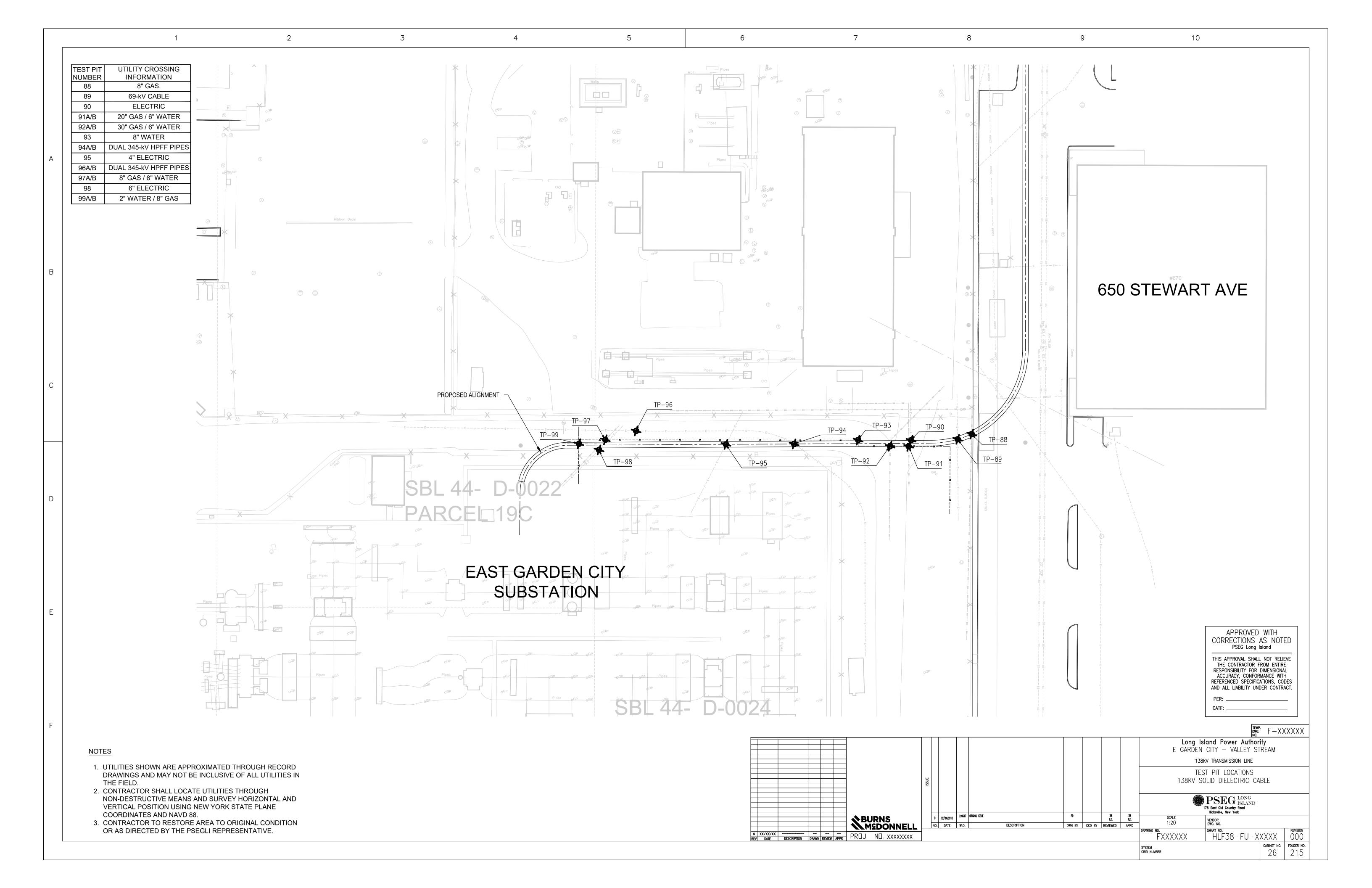
On behalf of Sarah Aldridge

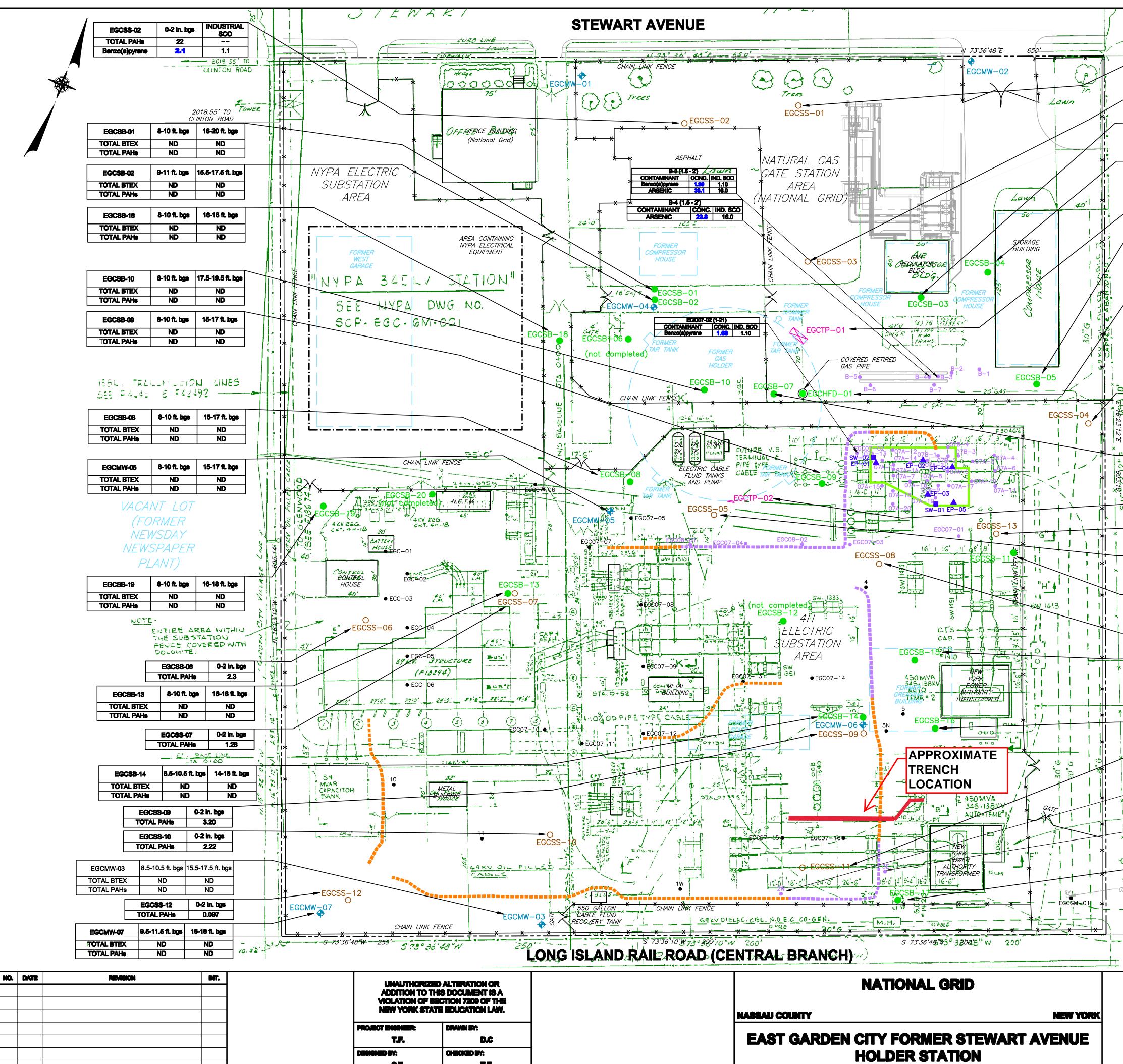
Attachment

cc: W. Ryan (National Grid) J. Mitchell (National Grid) E. Kitt (GEI) M. Quinlan (GEI) R. Smith (PSEG-LI) W. Softye (PSEG-LI)

I:\Admin\Projects\Environmental\National Grid\OMM Downstate\13 Sites\East Garden City\Site Reports\Summary Report - 2019\report.hw130120.2109-04-10.EGC\_Summary\_Gas\_GasOps.docx ATTACHMENT 1

FIGURES





NO.	DATE	REVISION	INT.

EGC85-01	0-2 in. bgs	 1			
TOTAL PAHs	0.8	]	-		
EGCSS-03 TOTAL PAHs	0-2 in. bgs 0.28	]			
EGCSB-03	14-16 ft. bgs	23-25 ft. bgs	]		
TOTAL BTEX TOTAL PAHs	ND ND	ND ND			
EGCSB-04	12-14 ft. bgs	14-16 ft. bgs	]		
TOTAL BTEX TOTAL PAHs	ND ND	ND ND			
EGCTP-01	1-2 ft. bgs	]			
TOTAL BTEX TOTAL PAHs	ND 1.4	-			
EGCSB-05	12-14 ft. bgs	14-16 ft. bgs			
TOTAL BTEX TOTAL PAHs	ND 0.24	ND ND	-		
EGCHFD-	01	0-1 ft. bgs	INDUSTRIAL SCO		
TOTAL BT		0.22 4,292			
Benzo(a)anthr Benzo(a)pyr		200 130	11 1.1		
Benzo(b)fluora Chrysens		100 200	11 110		
Dibenz(e,h)anth Indeno(1,2,3-c,d		14 37	1.1 11		
Phenenthre	ne	2,000	1,000		
EGCSS-04 TOTAL PAHs	0-2 in. bgs 3.2				
EGCSB-07	10-12 ft. bgs		<b>26</b>		
TOTAL BTEX TOTAL PAHs	ND 15.0	ND 0.57			
EGCTP-02 TOTAL BTEX	1-2 ft. bgs 0.0119	INDUSTRIAL SCO			
TOTAL BIEX TOTAL PAHs Benzo(a)pyrene	100		-		
EGCSS-13	0-2 in. bgs		RKING		
TOTAL PAHs	1.90	_	LOT AND		
EGCSS-05 TOTAL PAHs	0-2 in. bgs 0.4		ETAIL		LEGEND:
E- ENTIRE AR	EA WITHIN	THE	ORES	O EGCSS-01	SURFACE SOIL SAMPLE LOCATION
WITH DOLOI	лт <b>е.</b>		_	EGCSB-01	SUBSURFACE BORING LOCATION
EGCSB-11 TOTAL BTEX	8-10 ft. bgs ND	14.5-16.5 ft. by ND	<b>26</b>		HOLDER FOUNDATION GAS DISTRIBUTION PIPE SAMPLE LOCATION
TOTAL PAHs	0.13 0-2 in. bgs	ND		EGC-01, EGC07-21, 5, 5N ●	SUBSURFACE SOIL SAMPLE LOCATION
EGCSS-08 TOTAL PAHs	1.9	_		07A-12	MGP-RELATED FILL OBSERVED AT SOIL SAMPLE LOCATION
EGCSB-15	_		<b>1</b>	EP-01	END POINT SOIL SAMPLE LOCATION
TOTAL BTEX TOTAL PAHs	ND 2.6	ND ND		SW-02	SIDE WALL SOIL SAMPLE LOCATION
4-49 FEEDE 3- <b>EGOSB-76</b> CC		15-17 ft. bgs	INDUSTRIAL	EGCMW-01	GROUNDWATER MONITORING WELL LOCATION
TOTAL BTEX	ND 25	ND ND	<b>SCO</b>		TEST PIT LOCATION
Benzo(a)pyrene	1.5	ND	1.1	]	CABLE TRENCH LOCATION MGP-RELATED FILL OBSERVED AT TRENCH
EGCSS-11 TOTAL PAHs	0-2 in. bgs 0.9				LOCATION
	2W			<del>-x x x</del>	SITE FENCING
CONTAMINANT Benzo(a)pyrene		1.10 3E			LOCATION OF FORMER GAS HOLDER SITE STRUCTURE
NYPA PROJEC	T Benz	TAMINANT C zo(s)pyrene	ONC. IND. SCO 1.40 1.10		AREA REMEDIATED TO 4' bgs
E NYPA DI P-EGC-GM	NG. NO M		<b>33.1</b> 16.0 8.47 5.7		BLUE AND BOLD CONCENTRATIONS REPRESENCONTAMINANT CONCENTRATIONS ABOVE THE NYSDEC PART 375 INDUSTRIAL USE SOIL
EGCSE VE TOTAL E		-	S ft. bgs		CLEANUP OBJECTIVES ALL CONCENTRATIONS PROVIDED IN MILLIGRA
TO MITCHEL (NEWBRID)	PAHs I		ND		PER KILOGRAM (MG/KG) ND: NOT DETECTED
(NEWBRID	45 KO.)				ND. NOT DETECTED

	3008
SUMMARY OF TOTAL BTEX, TOTAL PAHS AND INDIVIDUAL CONTAMINANTS	DATE: SEPTEMBER 2012
ABOVE THE INDUSTRIAL SCOS	SCALE:
	1" = 40"

PROJECT NO.

DRAWING NO.

2

**ATTACHMENT 2** 

MANIFESTS

0		
0	Bayshore Recycling Corp. 75 Crows Mill Rd PO Box 290 Facility ID: 132397	0
O NKNA	Keasbey, NJ 08832 Ticket: 1148459 Date: 3/7/2019 Time: 10:51:59 - 12:28:00 Scale INC./BSM0056 17 OLD DOCK ROAD Time: 67460 lb In Scale 2	0
•	Truck: 70304PC  Carrier: WRS ENVIRONMENTAL SERVICES  Profile: 2710 carrier  Net: 31580 lb  CUYDs: 20  License: 70304PC  Truck Type: ROLLOFF	0
	Generator:     NATIONAL GRID EAST GARDEN CITY SUB PROJ.     Manifest: NY2680 Remaining: 0.00 TN       Comment:     Origin     Materials & Services     Quantity Unit       Long Island     ID27 PCS     15.79 Tons	0
P	THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE Driver: Weighmaster: Dennis	O O
		O

NON-HAZARDOUS	1. Generator ID Number	2. Pare 1 of 2	mergency Response	e Phone	4 Waste	4. Waste Tracking Number				
WASTE MANIFEST	CESQG		and the second of the second o	24-8111		· · · · · · · · · · · · · · · · · · ·	NV26	80		
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enerator's Phone:					U.S. EPA II	Number				
	imental Services, Inc.	7. 16			1	V R O	0.0.1.9	2 4	Q	
Transporter 2 Company Nan					U.S. EPA ID		<u>u v 1 i</u> j	a	SIF.	
Designated Facility Name ar	Managemont" Road				U.S. EPA IC	) Number				
acility's Phone: 732	7956000				N	112	2 5 0 0	1.5	2	
9. Waste Shipping Name	e and Description		10. Conte		11. Total	12. Unit				
1. Non OCT/	Ion RCRA Regulated Debri		No.	Туре	Quantity	Wt./Vol.			1	
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TRANSPORTER #2

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