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GEOTECHNICAL
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WATER
CONSTRUCTION
MANAGEMENT

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April 27, 2015
GZA File No. 04.00029607.00

Mr. Joseph Martella
Rhode Island Department of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, Rhode Island 02908

Re: Planned Building Demolition
Former Tidewater MGP and Power Plant Site
Pawtucket, Rhode Island
RIDEM Case No. 95-022

Dear Mr. Martella:

On behalf of our client, The Narragansett Electric Company d/b/a National Grid (National Grid), GZA GeoEnvironmental, Inc. (GZA) has prepared the following summary of planned activities associated with demolition of structures at the above referenced Site. Please note, this a National Grid facilities related project and is not associated with the investigation and cleanup of the Tidewater Site.

As we have discussed, National Grid plans to demolish the following three buildings:

- two-story, approximately 2,400-square-foot former machine shop;
- three-story, approximately 3,000-square-foot former purifier house; and
- one-story, approximately 3,000-square-foot former meter room building.

As shown on the attached Site Plan, all three buildings are located on the southwest side of the Former manufactured gas plant (MGP) portion of the Site. These buildings were reportedly constructed between 1900 and 1923 and have been unused with the exception of storage since the 1960s. All three buildings are in various stages of disrepair and evidence of water intrusion through the building envelopes is present within the interior of all three buildings. In addition, National Grid is currently working collaboratively with the City of Pawtucket on the *Tidewater Master Plan Steering Committee* to identify potential appropriate future uses this portion of this Site. Demolition of these vacant structures would provide additional development flexibility.

National Grid has obtained approval from the City of Pawtucket Historic District Commission to proceed with the demolition of these buildings. The demolition scope of work will be preceded by the removal and off-Site disposal of materials identified as containing asbestos, former process piping, and other miscellaneous waste materials. All asbestos removal will be performed consistent with Rhode Island Department of Health (RIDOH) requirements, including monitoring. In addition, standing water currently present in the building basements will be removed and disposed off-site. The three structures will then be razed to existing foundations and slabs. Concrete foundations and slabs will be removed to a depth of 6-inches below existing ground surfaces. Basements, pits, vaults, and trenches will be filled to surrounding grades with clean imported gravel fill. No soil removal or remediation is planned as part of this effort.



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GZA will oversee and provide environmental monitoring throughout these demolition activities. In addition to our routine demolition and health and safety monitoring, air quality will be monitored consistent with our April 2011 *Air Quality Monitoring Plan, Planned Short Duration Projects, Former Tidewater Site*. This plan provides for a consistent approach to air quality monitoring for relatively short duration projects and has been successfully implemented for similar efforts at the Tidewater Site. Based on our assessment of the buildings, it is unlikely volatile compounds will be encountered during this work. However, consistent with previous efforts at this Site, a two tiered approach to air monitoring as described in the plan will be implemented. Tier I will involve monitoring both upwind and downwind of work areas for total volatile organic compounds (VOCs), and particulate dust. In addition, specific monitoring for benzene using the Photovac Voyager unit will also be performed during the process piping and miscellaneous waste removal activities. We do not intend to employ this unit during the demolition phase due to the very low likelihood of detection following the waste removal work. Tier II involves time integrated lab sampling for VOCs using Summa canisters. Consistent with previous projects, these Summa canisters will be deployed at upwind and downwind perimeter locations during each day and will be analyzed in the event a sustained Tier 1 level exceedence is detected. At a minimum, one set of Summa canisters will be analyzed during the work.

We currently anticipated the project will be initiated in early June 2015 and take approximately 12 weeks to complete. We anticipate that the process piping and miscellaneous waste removal activities will take approximately 4 to 6 weeks to complete.

We look forward to continue working cooperatively with RIDEM on this Site. Should you have any questions or comments regarding the information presented herein, please do not hesitate to contact the undersigned or Michele Leone at 401-784-7337.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

Margaret Kilpatrick, P.E.
Senior Project Manager

James J. Clark, P.E., LEP
Senior Principal

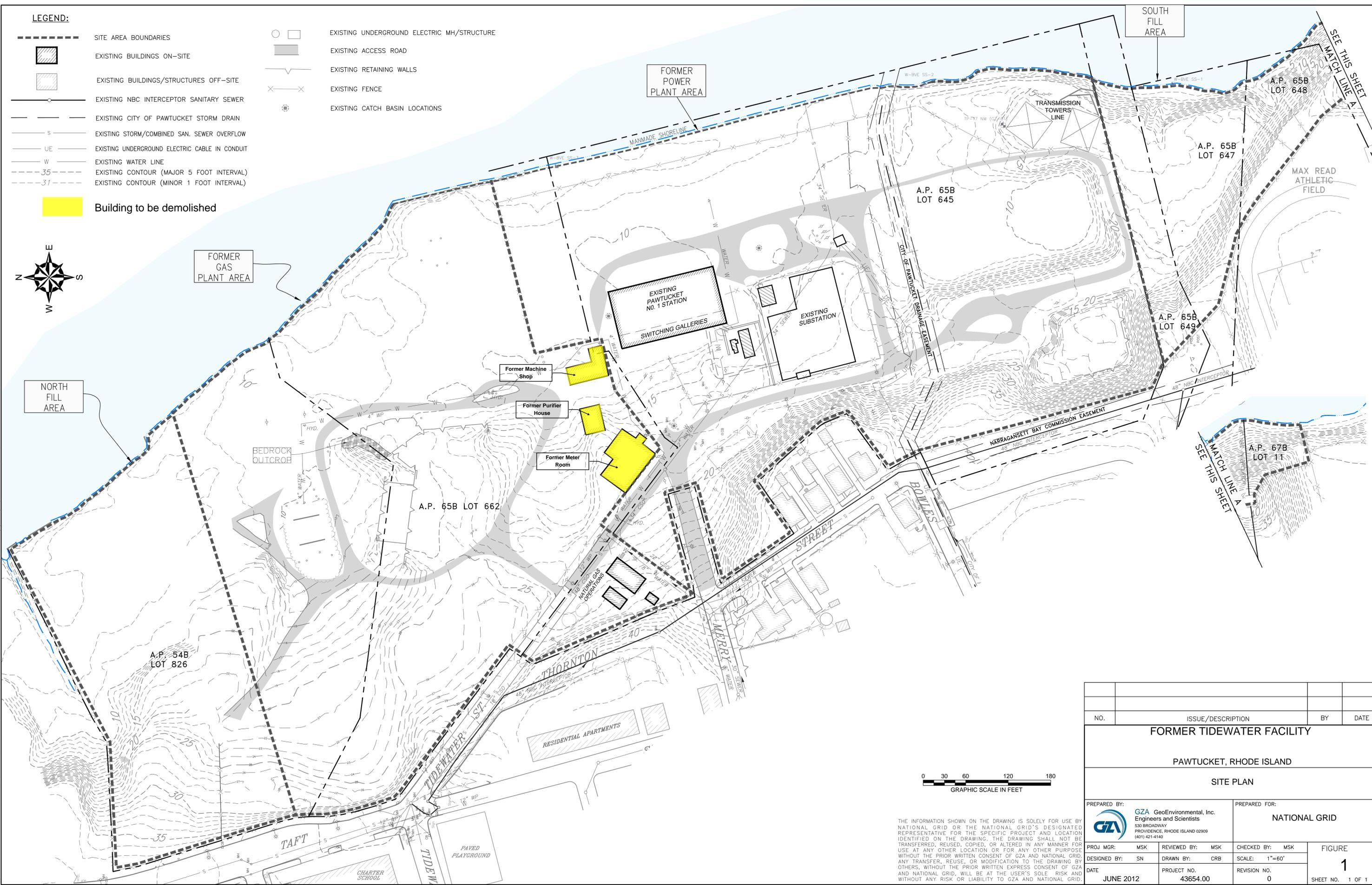
Attachment: Site Plan

cc: Ms. Michele Leone, National Grid

- LEGEND:**
- SITE AREA BOUNDARIES
 - ▨ EXISTING BUILDINGS ON-SITE
 - ▨ EXISTING BUILDINGS/STRUCTURES OFF-SITE
 - EXISTING NBC INTERCEPTOR SANITARY SEWER
 - EXISTING CITY OF PAWTUCKET STORM DRAIN
 - S --- EXISTING STORM/COMBINED SAN. SEWER OVERFLOW
 - UE --- EXISTING UNDERGROUND ELECTRIC CABLE IN CONDUIT
 - W --- EXISTING WATER LINE
 - 35 --- EXISTING CONTOUR (MAJOR 5 FOOT INTERVAL)
 - 31 --- EXISTING CONTOUR (MINOR 1 FOOT INTERVAL)

- □ EXISTING UNDERGROUND ELECTRIC MH/STRUCTURE
- ▨ EXISTING ACCESS ROAD
- EXISTING RETAINING WALLS
- ×--- EXISTING FENCE
- ⊙ EXISTING CATCH BASIN LOCATIONS

Building to be demolished



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NO.	ISSUE/DESCRIPTION	BY	DATE
FORMER TIDEWATER FACILITY			
PAWTUCKET, RHODE ISLAND			
SITE PLAN			
PREPARED BY:	GZA GeoEnvironmental, Inc. Engineers and Scientists 530 BROADWAY PROVIDENCE, RHODE ISLAND 02909 (401) 421-4140		PREPARED FOR:
		NATIONAL GRID	
PROJ MGR:	MSK	REVIEWED BY:	MSK
DESIGNED BY:	SN	DRAWN BY:	CRB
DATE:	JUNE 2012	CHECKED BY:	MSK
	PROJECT NO.	SCALE:	1"=60'
	43654.00	REVISION NO.	0
			FIGURE
			1
			SHEET NO. 1 OF 1

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