

September 20, 2018

George Heitzman, P.E.  
Assistant Director, Division of Environmental Remediation  
New York State Department of Environmental Conservation  
625 Broadway, 11<sup>th</sup> Floor  
Albany, NY 12233-7014

**Subject: Emerging Contaminant Groundwater Sampling Work Plan  
National Grid Upstate New York MGP Sites (Index No.: CO 7-20180629-27)**

Dear Mr. Heitzman:

National Grid has prepared this letter to serve as the Emerging Contaminant Groundwater Sampling Work Plan (work plan) for select manufactured gas plant (MGP) sites identified in the Department's September 12, 2018 letter.

**Background**

The Department submitted a May 30, 2018 letter requesting National Grid prepare a work plan to conduct groundwater sampling for 1,4 dioxane and per- and polyfluoroalkyl substances (PFAS) at select MGP sites. The Department also provided guidance with respect to analytical methods and reporting requirements. National Grid provided a revised work plan on September 4, 2018 and the Department approved the revised work plan in their September 12, 2018 letter which also confirmed that a separate work plan was to be developed for the following MGP sites:

- 401078 – Cohoes
- 401079 – Watervliet (5<sup>th</sup> St.)
- 429008 – Amsterdam River Link Park
- 442057 – Rensselaer
- 447053 – Schenectady (Clinton St.)
- 517014 – Malone
- 558044 – Whitehall
- 622034 – Little Falls
- 727014 – Canastota
- 738049 – Oswego (West Utica St.)
- 738050 – Fulton (Ontario St.)
- 819020 – LeRoy (this site was not identified in the September 12, 2018 letter; however, the Department's site project manager requested that this site be included in the work plan)


In an effort to streamline the process, National Grid submits this letter to serve as the work plan and proposes to utilize the same Quality Assurance Project Plan (QAPP), Field Sampling Plan (FSP), sample collection procedures, laboratory procedures, waste management procedures, and data interpretation and reporting procedures as provided in the September 4, 2018 work plan. The proposed sampling locations for each of the above sites are provided as Attachment A.

## Schedule

Following the Department's approval of this work plan, National Grid will begin scheduling the sampling activities. Please note, for the non-owned sites listed above, National Grid is required to discuss the sampling approach with each property owner and potentially update or prepare new access agreements. As such, National Grid cannot provide a schedule at this time. As requested, National Grid will provide at least 1 week advance notification to the Department prior to sampling.

Please do not hesitate to contact me at (315) 428-5731 if you have any questions.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Brian Stearns', with a stylized, flowing script.

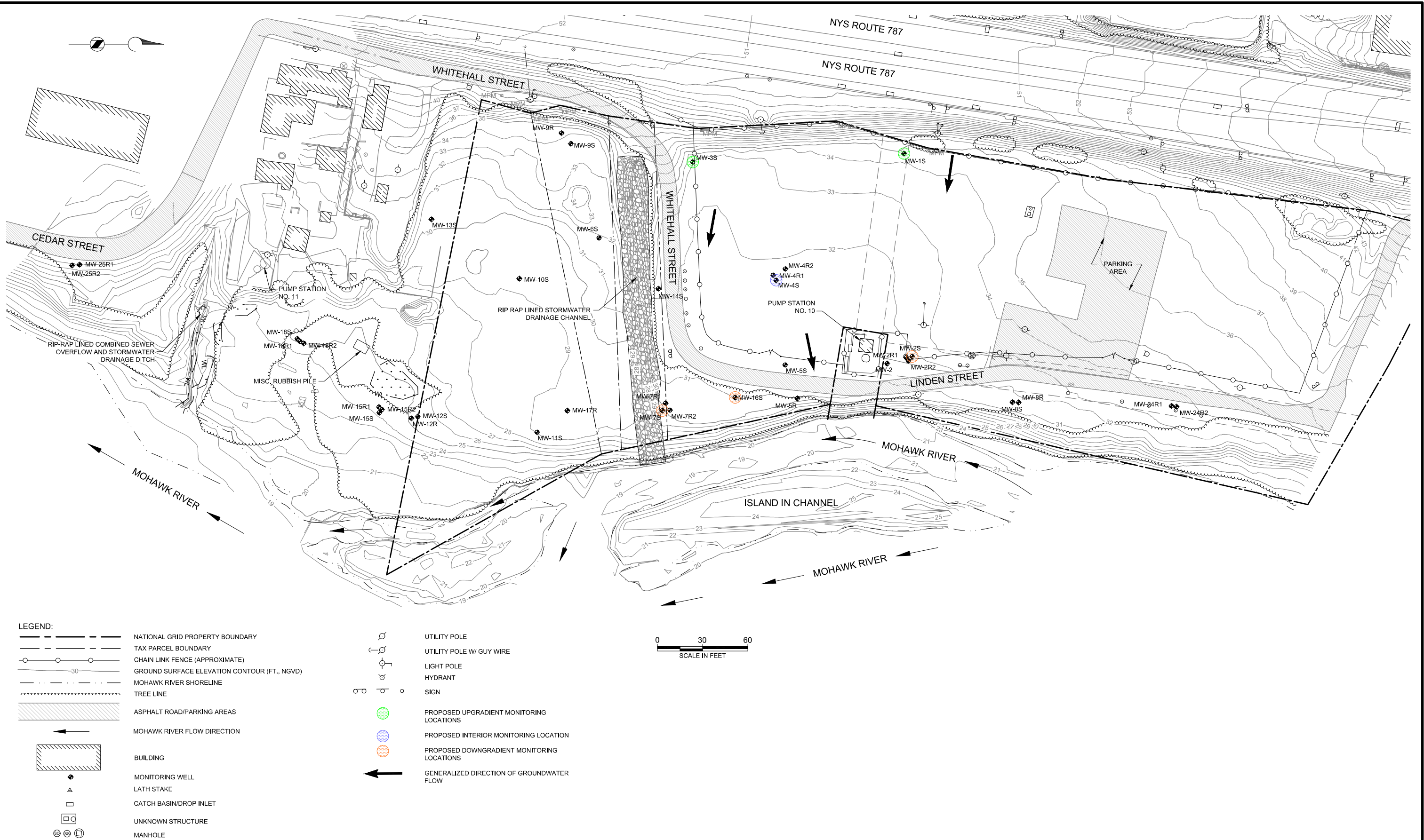
Brian Stearns

cc: Charles Willard, National Grid

# **ATTACHMENT A**

## **Proposed Sampling Locations Emerging Contaminant Sampling Upstate New York**





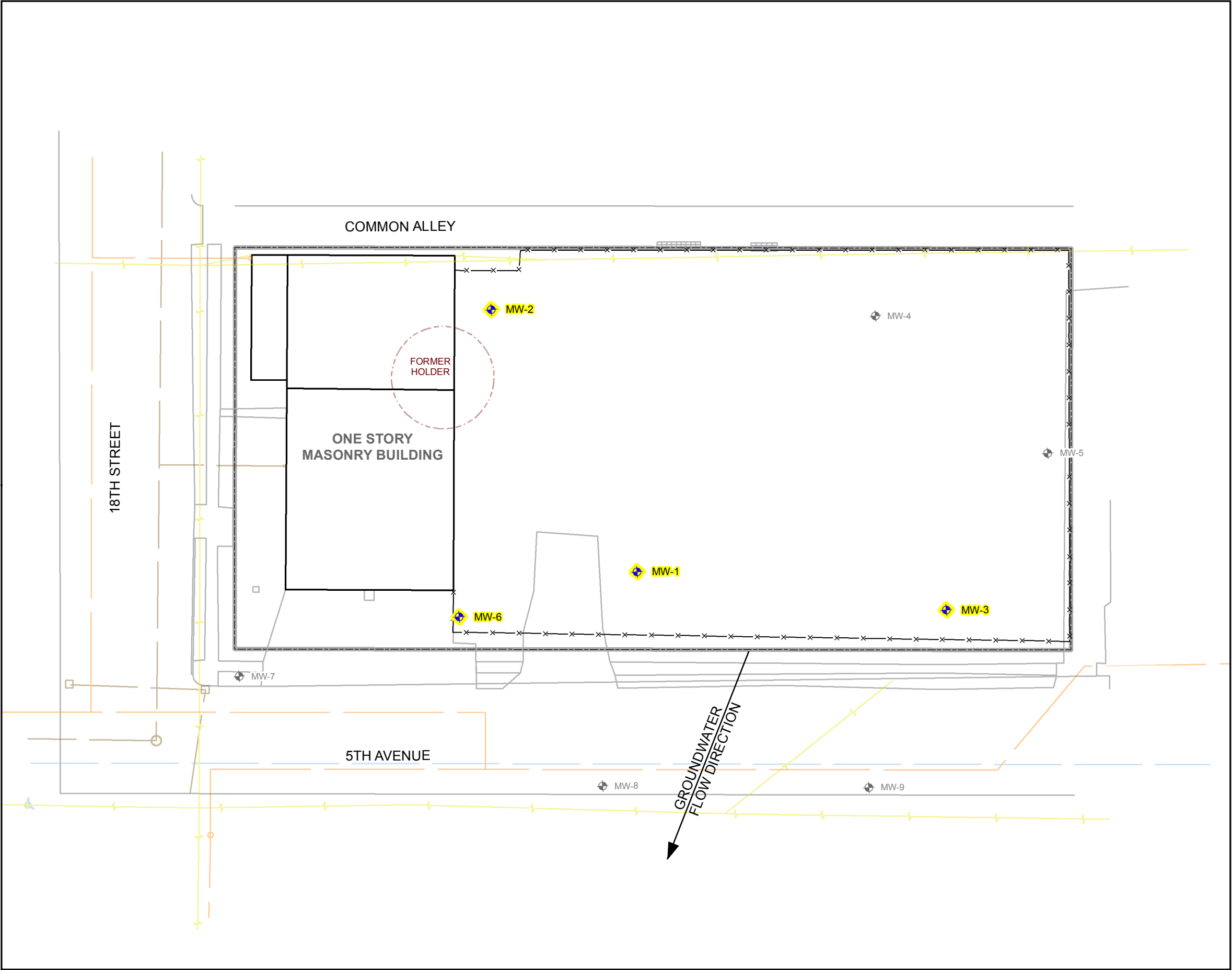
SCALE" 1" = 50'  
PROJECT: 152020  
DATE: September 7, 2018

NATIONAL GRID  
COHOES (LINDEN ST.)  
FORMER MGP SITE  
COHOES, NEW YORK

FIGURE 1  
PROPOSED EMERGING CONTAMINANT  
MONITORING LOCATIONS

FIGURE

1

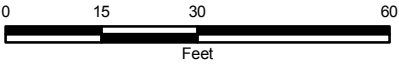


LEGEND

- PROPOSED PFC AND 1,4-DIOXANE SAMPLE LOCATION
- MONITORING WELL
- GAS LINE
- OVERHEAD UTILITY
- SANITARY STORM SEWER
- WATERLINE
- FENCE
- PROPERTY BOUNDARY
- BUILDING

NATIONAL GRID  
WATERVLIET (5TH AVE) SITE  
WATERVLIET, NEW YORK

PROPOSED  
PFC AND 1,4-DIOXANE  
SAMPLING LOCATIONS

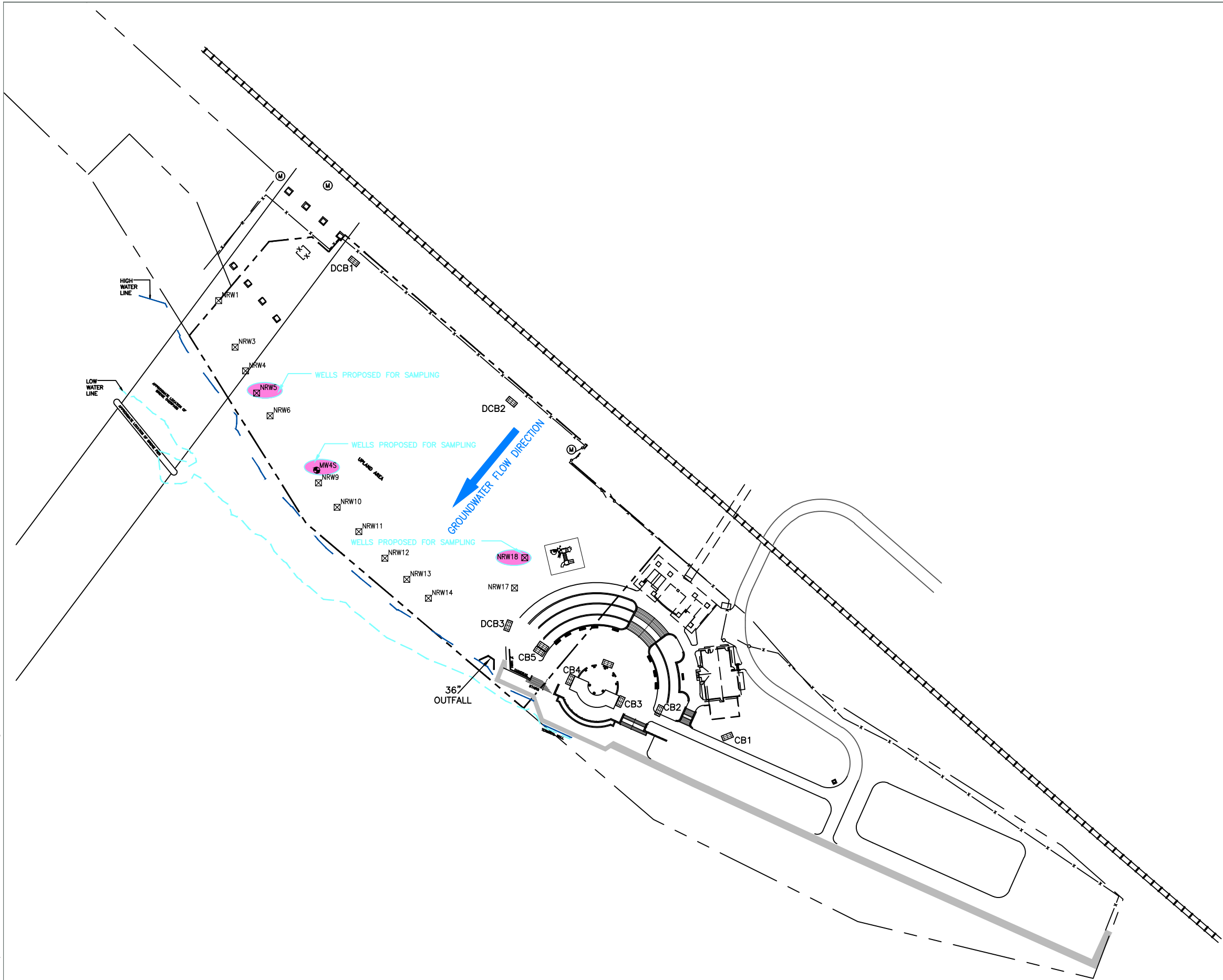


1118.49001  
AUGUST 2018



O'BRIEN & GERE ENGINEERS, INC.

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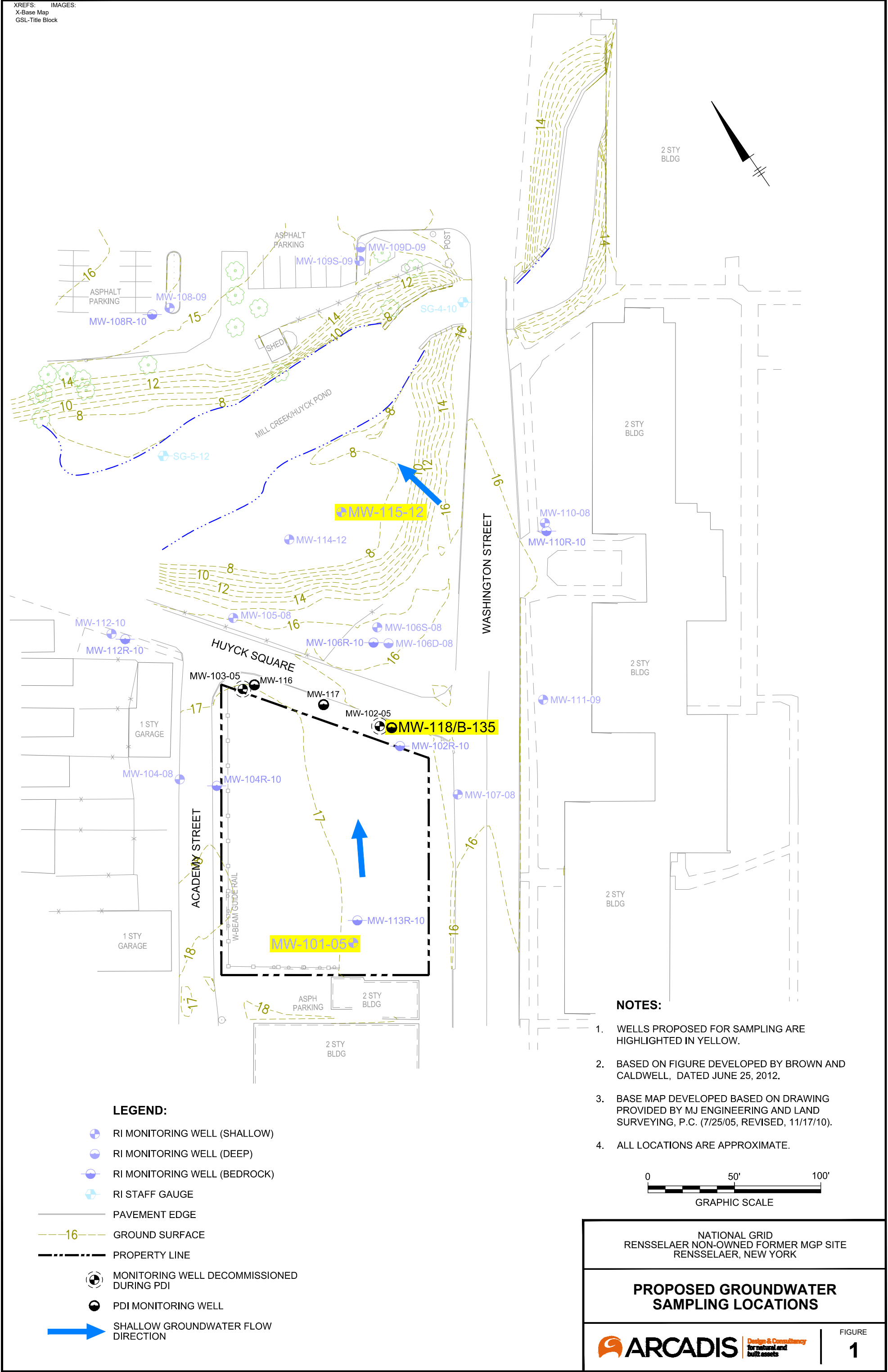
# LEGEND

- PROPERTY BOUNDARY
- x - FENCE
- ▤ CATCH BASIN
- (M) UTILITY MANHOLE
- MONITORING WELL
- ⊠ RECOVERY WELL
- WELLS PROPOSED FOR PFAS SAMPLING

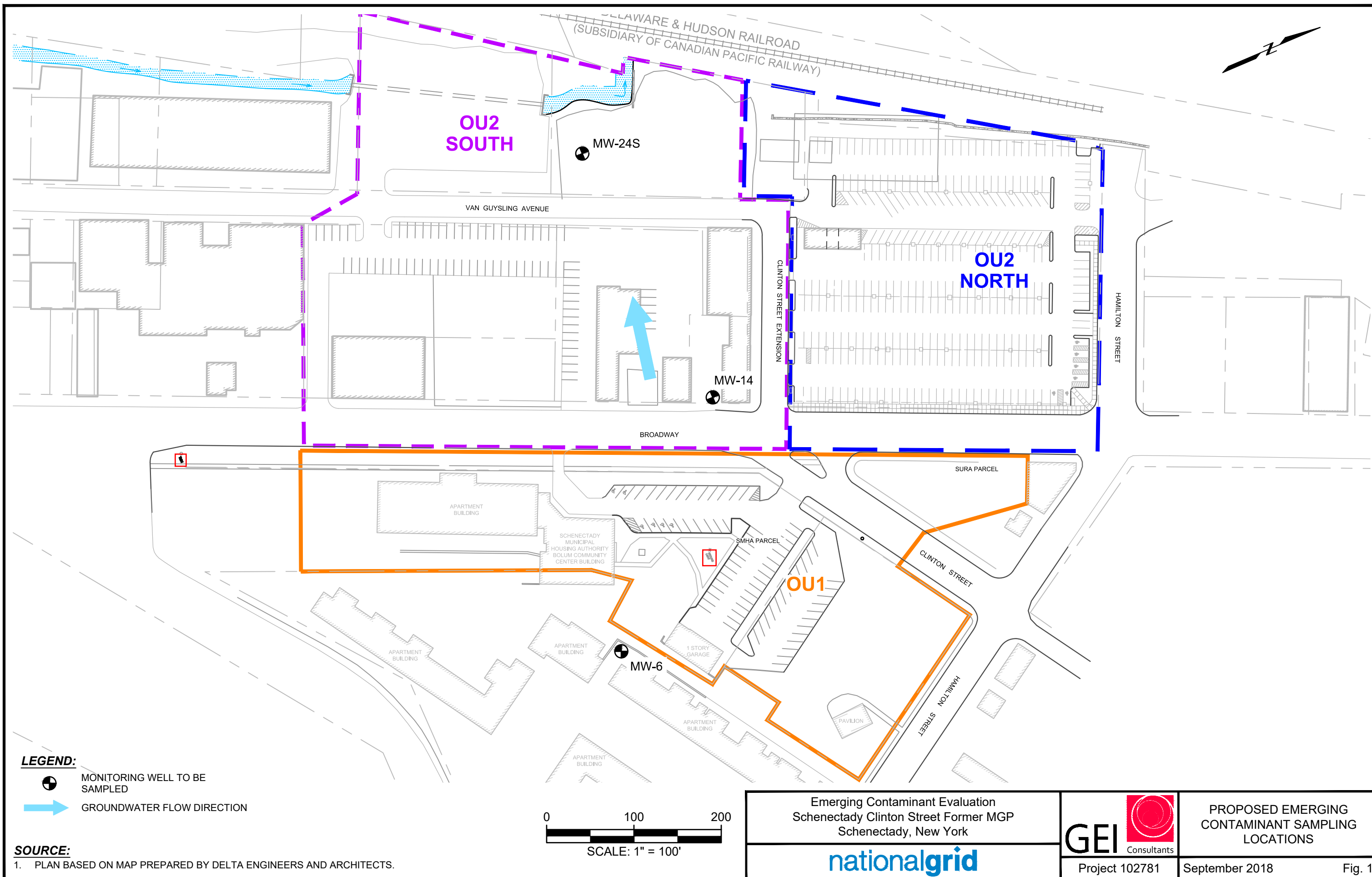
Site Map		
National Grid Front Street Amsterdam, New York		
Drawn W.G.S. Designed  Approved	 Scale In Feet 0 100  Groundwater & Environmental Services, Inc.	Date 9/6/18 Figure

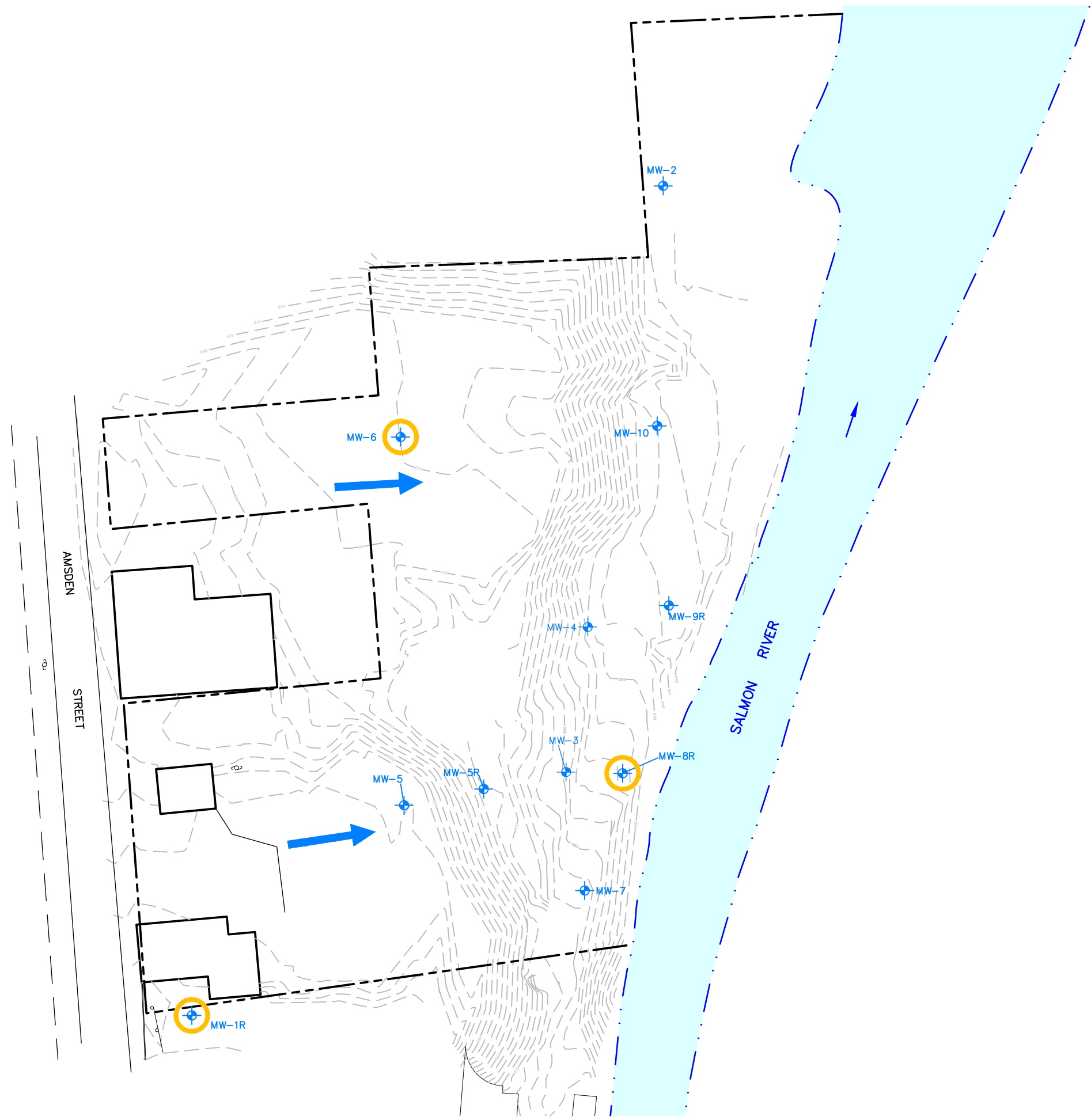


XREFS: IMAGES:  
X-Base Map  
GSL-Title Block











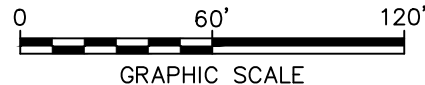





**LEGEND:**

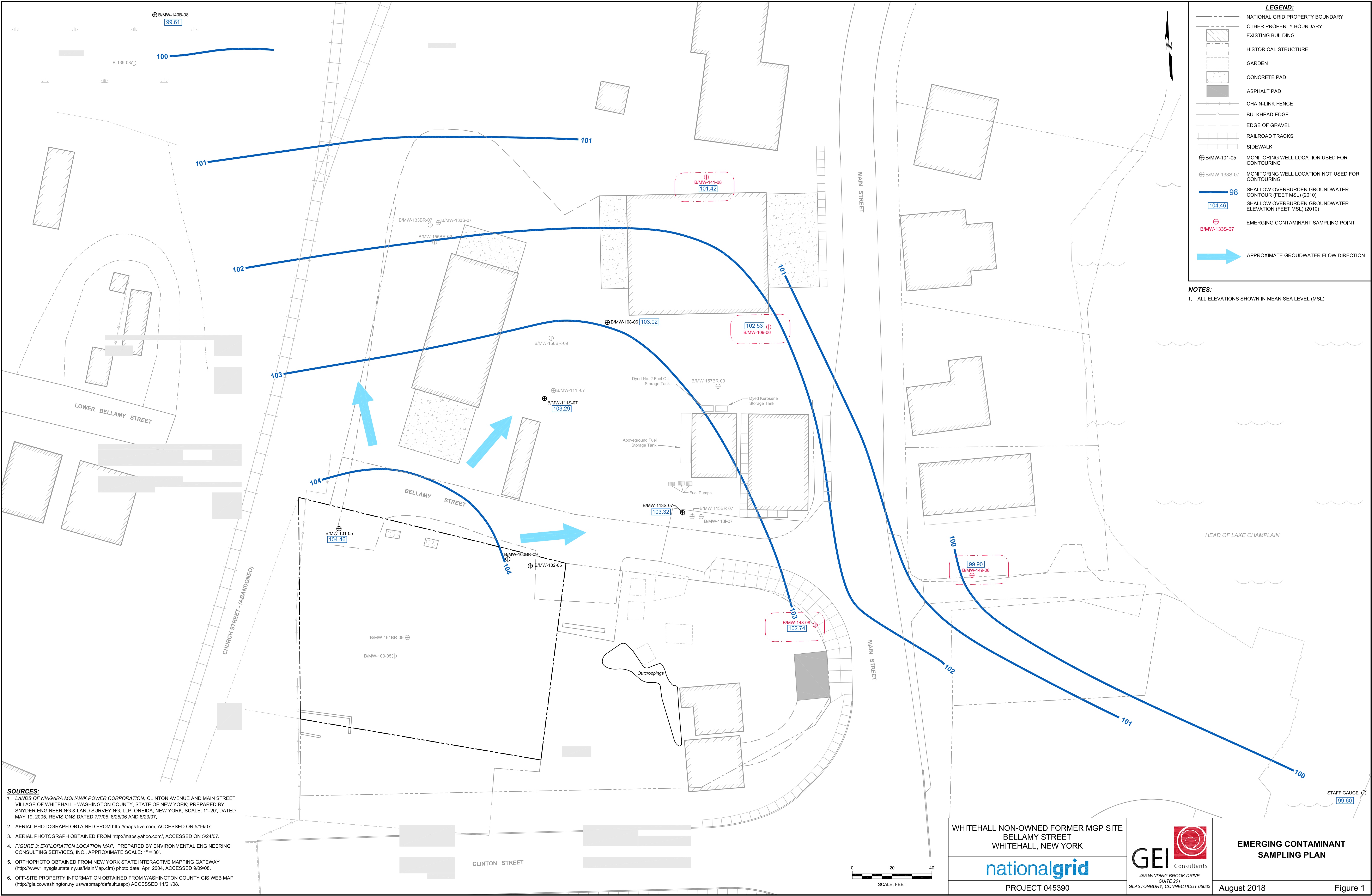
-  MONITORING WELL PROPOSED FOR EMERGENT CONTAMINANT SAMPLING
-  MONITORING WELL LOCATION
-  APPROXIMATE GROUNDWATER FLOW DIRECTION
-  NATIONAL GRID PROPERTY LINE
-  TOPOGRAPHIC CONTOUR (4/04/2009)
-  APPROXIMATE EDGE OF WATER

- NOTES:**
1. BASE MAP PREPARED FROM SURVEY CONDUCTED BY THE ASSOCIATES, DATED 9/13/10. MAP IS REFERENCED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) AND PROJECTED ON THE NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE) AND VERTICALLY TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). NORTH ARROW AS SHOWN INDICATES GRID NORTH REFERENCED TO NAD83 AND PROJECTED ON THE NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE).
  2. ALL LOCATIONS ARE APPROXIMATE.



NATIONAL GRID MALONE (AMSDEN STREET) FORMER MGP SITE	
<b>MONITORING WELLS PROPOSED FOR EMERGENT CONTAMINANT SAMPLING</b>	
 <b>ARCADIS</b> <small>Design &amp; Consultancy for natural and built assets</small>	FIGURE <b>1</b>





WHITEHALL NON-OWNED FORMER MGP SITE  
BELLAMY STREET  
WHITEHALL, NEW YORK

**nationalgrid**

PROJECT 045390

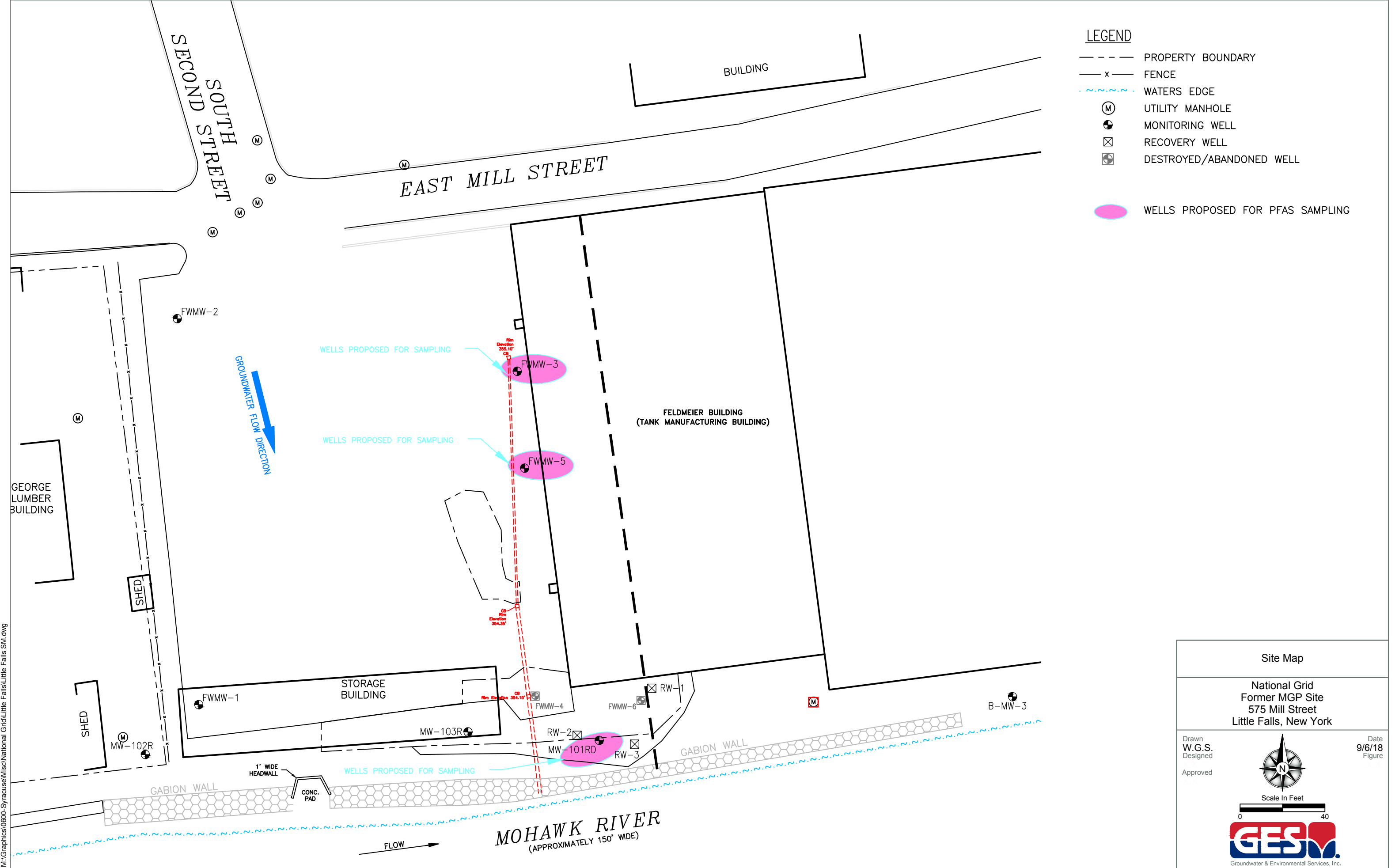


455 WINDING BROOK DRIVE  
SUITE 201  
GLASTONBURY, CONNECTICUT 06033

**EMERGING CONTAMINANT  
SAMPLING PLAN**

August 2018

Figure 1



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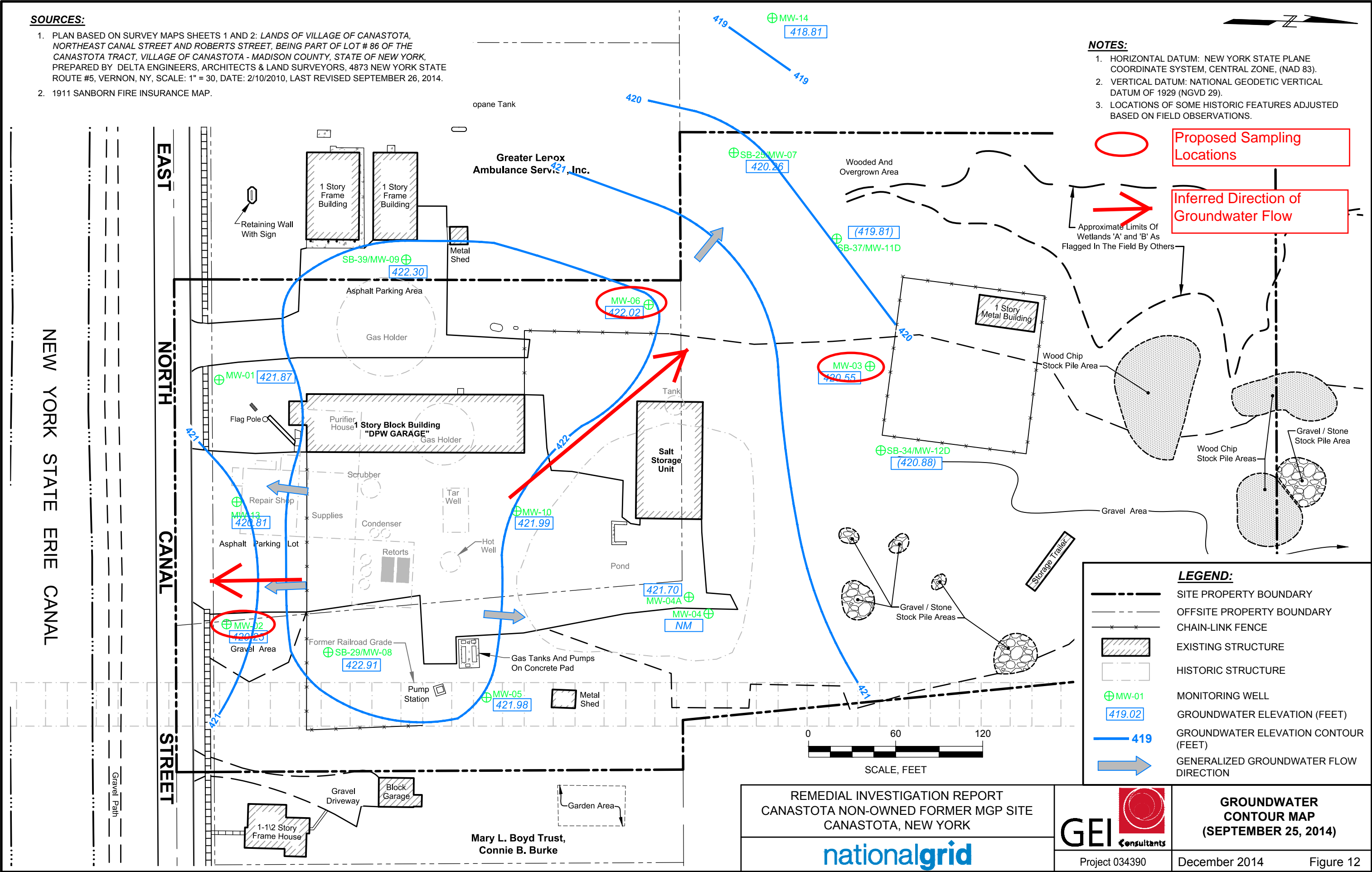


**SOURCES:**

- 1. PLAN BASED ON SURVEY MAPS SHEETS 1 AND 2: LANDS OF VILLAGE OF CANASTOTA, NORTHEAST CANAL STREET AND ROBERTS STREET, BEING PART OF LOT # 86 OF THE CANASTOTA TRACT, VILLAGE OF CANASTOTA - MADISON COUNTY, STATE OF NEW YORK, PREPARED BY DELTA ENGINEERS, ARCHITECTS & LAND SURVEYORS, 4873 NEW YORK STATE ROUTE #5, VERNON, NY, SCALE: 1" = 30', DATE: 2/10/2010, LAST REVISED SEPTEMBER 26, 2014.
- 2. 1911 SANBORN FIRE INSURANCE MAP.

**NOTES:**

- 1. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, (NAD 83).
- 2. VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).
- 3. LOCATIONS OF SOME HISTORIC FEATURES ADJUSTED BASED ON FIELD OBSERVATIONS.



Path: P:\National\_Grid\Oswego\146991\_OU1\_50-75\_Design\CAD\100%Design\2-SHEETS\C-CIVIL\DR\_Figures File Name: FIG-1 Plot Date: September 6, 2018 1:27 PM Cadd User: Robert Near

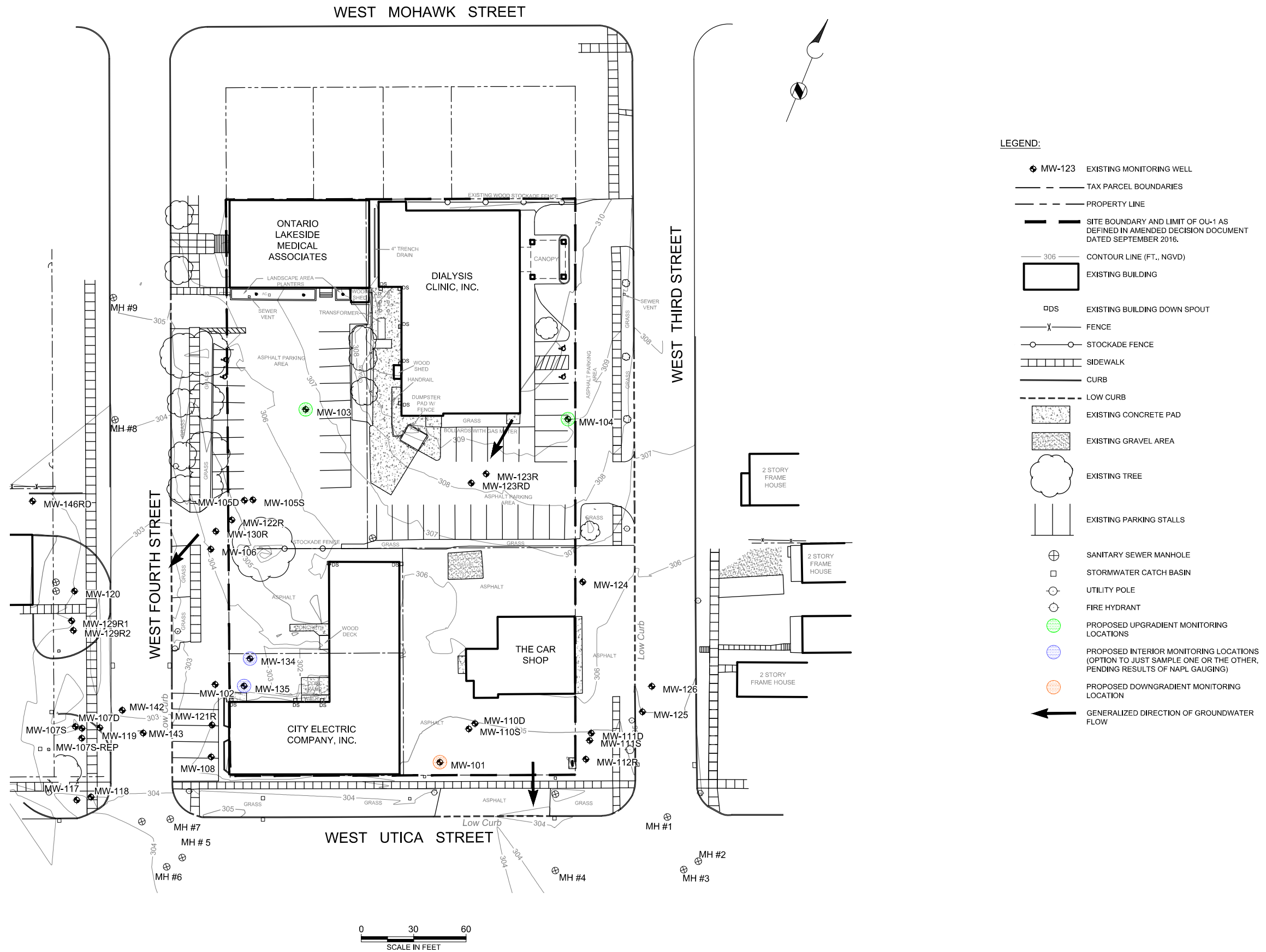


FIGURE 1  
PROPOSED EMERGING CONTAMINANT  
MONITORING LOCATIONS

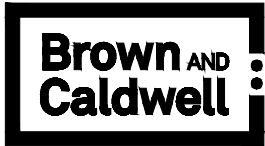
FIGURE

1



SCALE" 1" = 30'  
PROJECT: 152592  
DATE: September 6, 2018

NATIONAL GRID  
OSWEGO (WEST UTICA ST.)  
FORMER MGP SITE  
OSWEGO, NEW YORK



SCALE: 1" = 50'

DATE: September 6, 2018

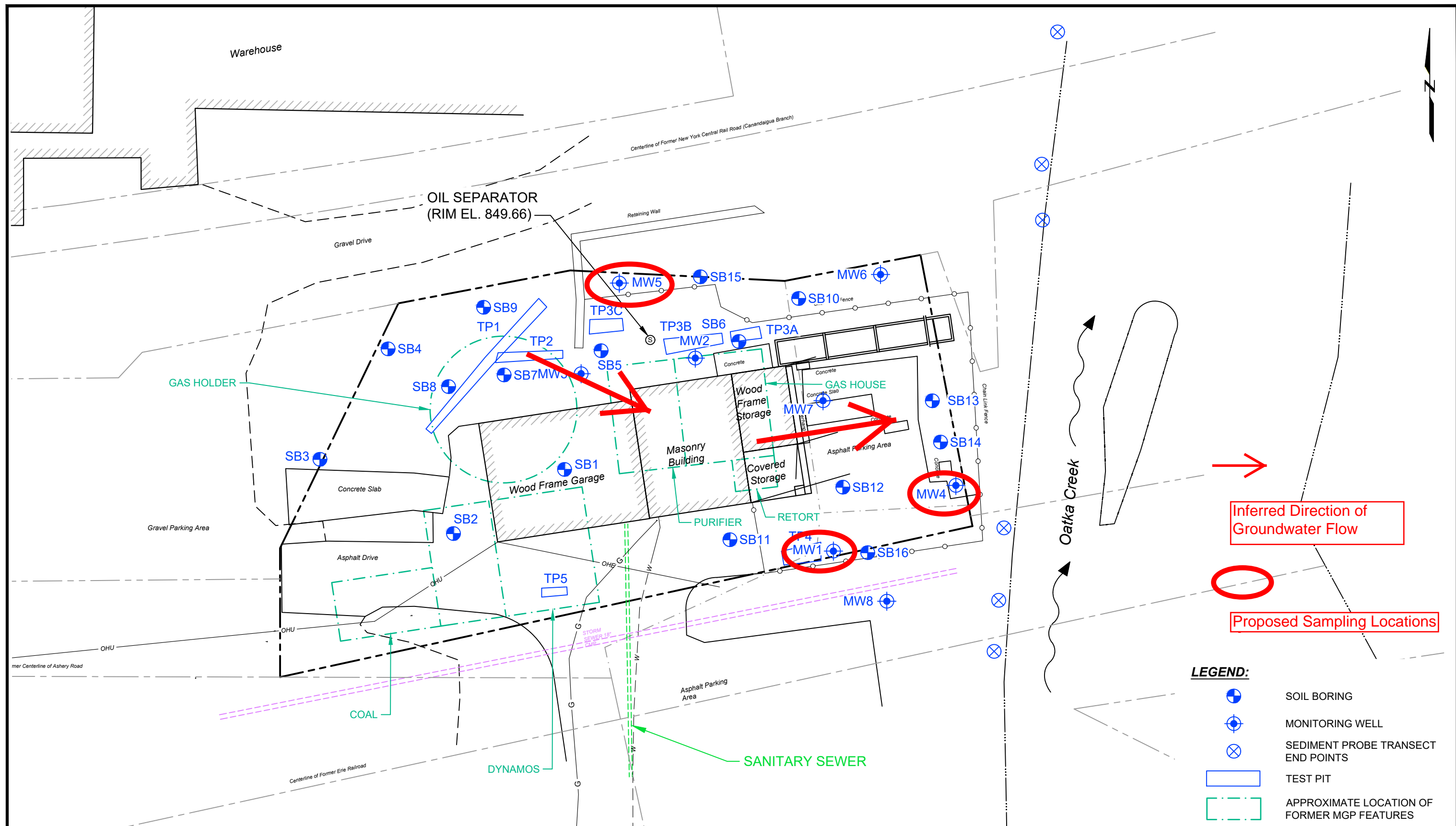
NATIONAL GRID  
FULTON (ONTARIO ST.)  
FORMER MGP SITE  
FULTON, NEW YORK

## PROPOSED EMERGING CONTAMINANT MONITORING LOCATIONS

FIGURE

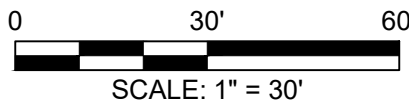
1







**SOURCES:**

1. Survey titled: Former Leroy National Grid MGP Site, Lands of Thomas W. McGinnis, Tax Parcel No. 6.-1-56, 78-1/2 Lake Street, Village of Leroy, Count of Genesee, State of New York, prepared by Thew Associates Land Surveyors, Date: 6/24/2016.
2. 1885, 1892, 1987, 1903 and 1910 Sanborn Fire Insurance Maps, Assembled by EDR, Order Date: 3/17/2015, Inquiry Number 4236142.3.



Remedial Investigation Report LeRoy Former MGP site LeRoy, New York		 <b>GEI</b> Consultants	SUBSURFACE INVESTIGATION POINTS
			
Fig. 5			