

Katherine Vater
Project Manager
Site Investigation and Remediation

December 14, 2015

Mr. William Wu
Environmental Engineer
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C, 11th Floor
625 Broadway
Albany, NY 12233

Re: Supplemental Remedial Investigation - Hydrogeologic Field Activities
Former Dangman Park Manufactured Gas Plant Site - Property Redevelopment
Brooklyn, New York
NYSDEC Site No. 224047
Index # A2-0552-0606

Dear Mr. Wu:

This letter transmits the proposed scope for the hydrogeologic field activities to be conducted as part of the Supplemental Remedial Investigation (SRI) on Block 7273, Lot 1 within the former Dangman Park Manufactured Gas Plant (MGP) Site.

We anticipate conducting this field work in early January 2016, after receiving the New York State Department of Environmental Conservation's approval of this letter and agreement from the Owner to access to the property. I will notify you at least 7 days in advance of the scheduled date for commencement of the field activities.

If you have any questions or require any additional information, please contact me at (608) 826-3663 or at katherine.vater@nationalgrid.com.

Sincerely,



Katherine Vater
Project Manager

Enclosure - Hydrogeologic Field Activities Scope (Arcadis, December 11, 2015)

cc: Albert DeMarco, NYSDOH
Linda Sullivan, Esq., National Grid
Bonnie Barnett, Esq., Drinker Biddle and Reath LLP
Megan Miller, P.E., Arcadis
M. Cathy Geraci, Arcadis

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Subject:

Former Dangman Park Manufactured Gas Plant Site - Property Redevelopment
Supplemental Remedial Investigation - Hydrogeologic Field Activities
Brooklyn, New York
NYSDEC Site No. 224047
Index # A2-0552-0606

ENVIRONMENT

Date:

December 11, 2015

Dear Ms. Vater:

Contact:

Megan A. Miller, P.E.

This letter presents the proposed scope for hydrogeologic field activities to be conducted as part of the Supplemental Remedial Investigation (SRI) on Block 7273, Lot 1 within the former Dangman Park Manufactured Gas Plant (MGP) Site (the Site). Arcadis is conducting the SRI on behalf of National Grid.

Phone:

315.671.9422

As discussed during our November 9, 2015 meeting with the New York State Department of Environmental Conservation (NYSDEC) and 450 Neptune Associates, LLC (the owner of the aforementioned lot within the Site), adequately characterizing aquifer hydraulic parameters is required to support groundwater modeling that will be used to develop and evaluate potential remedial alternatives.

Email:

Megan.miller
@arcadis.com

Pneumatic slug testing was conducted during the Remedial Investigation (RI) at various depths (12 ft bls, 36 ft bls, 73 ft bls, and 90 ft bls) in temporary monitoring wells, and indicated aquifer hydraulic conductivity ranged from 22 to 89 feet per day (ft/d). To refine these estimates for the purposes of achieving the aforementioned objective, the following hydrogeologic field activities will be conducted:

Our ref:

B0036704.0001

- Obtain a synoptic round of groundwater level measurements using existing monitoring wells;

Ms. Katherine Vater
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- Gauge monitoring wells MW-5 and MW-11 (Figure 1) for absence/presence non-aqueous phase liquid (NAPL). These are the only monitoring wells where NAPL has been observed. At each of these monitoring wells, field personnel will measure depth to water, depth to bottom of the monitoring well, and NAPL thickness (if present). Measurable NAPL (if any) will be removed to the extent practicable and containerized in 55-gallon drum for off-site treatment/disposal;
- Redevelop 6 existing monitoring wells (MW-1 through MW-4, MW-5, and MW-11; Figure 1) for hydrogeologic testing;
- Conduct bail-down slug testing in monitoring wells MW-1 through MW-4 (water table monitoring wells, screened from 6 to 16 ft bls);
- Conduct pneumatic slug testing in monitoring wells MW-5 and MW-11 (screened from 30 to 40 feet bls); and
- Conduct specific-capacity testing in one water table well (e.g., MW-1) and one deeper well (e.g., MW-5).

The slug testing and specific capacity testing will be completed following the procedures described in the standard operating procedures provided in Attachment A of the NYSDEC-approved SRI Work Plan (dated September 14, 2015). The work will also be conducted in accordance with the current Arcadis project-specific HASP.

Groundwater and other investigation-derived wastes (e.g., disposable equipment) generated during these field activities will be temporarily stored onsite in 55-gallon drums and possibly a frac tank at a location(s) to be determined with the Owner. The investigation-derived wastes will be transported offsite for treatment/disposal by National Grid's contractor, ESA.

We anticipate conducting this field work in early January 2016, after receiving NYSDEC's approval of this letter and agreement from the Owner to access to the property. The field work is expected to take 7 days. The results of the hydrogeologic activities and groundwater modeling are anticipated to be submitted to NYSDEC approximately 6 to 8 weeks after completing the activities described herein.

Please do not hesitate to contact me or Cathy Geraci if you have any questions or require additional information.

Sincerely,

Arcadis of New York, Inc.



Megan A. Miller, P.E.
Vice President

Ms. Katherine Vater
December 11, 2015

Copies:

Steven Feldman, Arcadis
Christopher Keen, Arcadis
Cathy Geraci, Arcadis
Bonnie Barnett, Esq., Drinker, Biddle and Reath
Leigh Bausinger, Esq, Drinker, Biddle and Reath
Linda Sullivan, Esq., National Grid

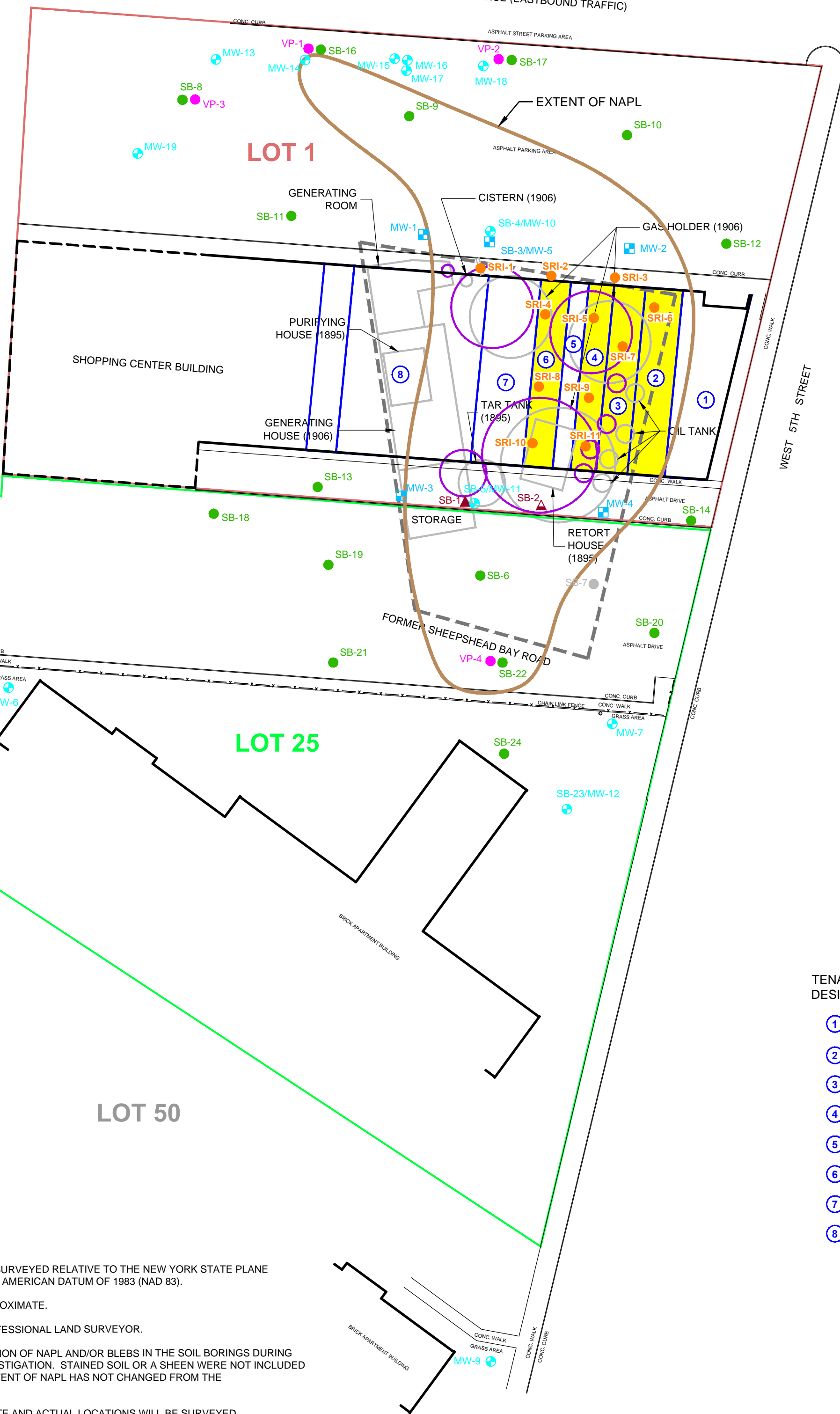
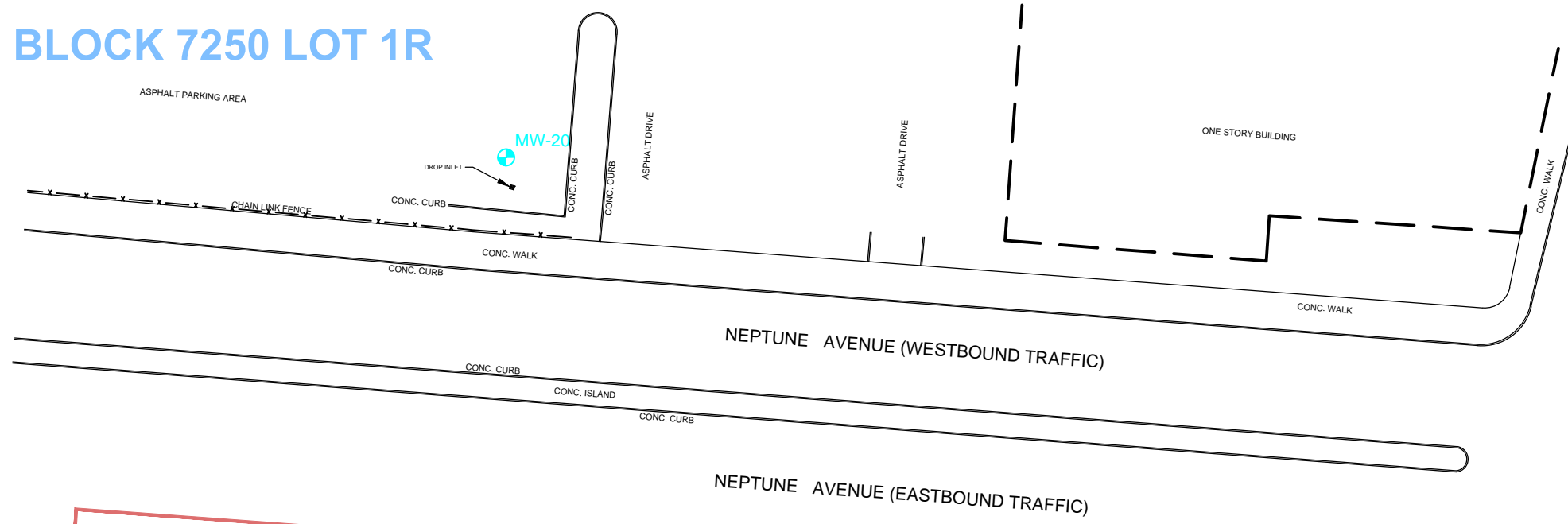
Enclosures:

Figure

1 Site Plan

XREFS: IMAGES: PROJECTNAME: ---
 Xref_01 Image_2012-1105.jpg
 Xref_02

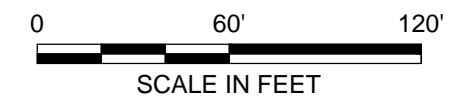
BLOCK 7250 LOT 1R



LEGEND:

- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 1
- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 25
- - - APPROXIMATE FORMER MGP SITE BOUNDARY
- FORMER MGP FEATURE (1895 AND/OR 1906 SANBORN FIRE INSURANCE MAPS)
- FORMER MGP FEATURE (1895 AND/OR 1906 SANBORN FIRE INSURANCE MAPS) ADJUSTED BASED ON FIELD OBSERVATIONS OF POTENTIAL GAS HOLDER WALL AT SOIL BORING LOCATION SRI-1
- TENANT SPACE APPROXIMATE BOUNDARY
- 1 TENANT SPACE DESIGNATION
- ▲ SB-1 SITE CHARACTERIZATION SOIL BORING LOCATION (ARCADIS, 2009)
- ▲ SB-2 SITE CHARACTERIZATION SOIL BORING/GEOPROBE GROUNDWATER SAMPLING LOCATION (ARCADIS, 2009)
- MW-1 SITE CHARACTERIZATION MONITORING WELL LOCATION (ARCADIS, 2009)
- SB-7 REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING/VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2011)
- SB-8 REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING LOCATION (ARCADIS, 2011 AND 2012)
- ⊕ MW-6 REMEDIAL INVESTIGATION MONITORING WELL LOCATION (ARCADIS, 2011, 2012, AND 2013)
- VP-1 REMEDIAL INVESTIGATION VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2012)
- SRI-10 SUPPLEMENTAL REMEDIAL INVESTIGATION SOIL BORING LOCATION (ARCADIS, 2015)

TENANT SPACE DESIGNATION	TENANT SPACE IDENTIFICATION
1	APPLE BANK
2	VACANT (FORMER RADIO SHACK)
3	VACANT (FORMER MARTIAL ARTS)
4	VACANT (FORMER MEDICAL SUPPLY)
5	EASTERN CHINESE RESTAURANT
6	VACANT (FORMER KURT CLEANERS)
7	CAPITAL ONE
8	CVS PHARMACY



- NOTES:**
- MONITORING WELL AND SOIL BORING LOCATIONS SURVEYED RELATIVE TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
 - LOCATIONS OF FORMER MGP FEATURES ARE APPROXIMATE.
 - BASE MAP BY DONALD G. DEKENIPP L.S., P.C., PROFESSIONAL LAND SURVEYOR.
 - THE EXTENT OF NAPL IS BASED ON THE OBSERVATION OF NAPL AND/OR BLEBS IN THE SOIL BORINGS DURING THE SITE CHARACTERIZATION AND REMEDIAL INVESTIGATION. STAINED SOIL OR A SHEEN WERE NOT INCLUDED IN THE MAPPING OF THE EXTENT OF NAPL. THE EXTENT OF NAPL HAS NOT CHANGED FROM THE NYSDEC-APPROVED RI REPORT.
 - ALL SRI SOIL BORING LOCATIONS ARE APPROXIMATE AND ACTUAL LOCATIONS WILL BE SURVEYED.
 - TENANT SPACE LOCATIONS SHOWN ARE APPROXIMATE BASED ON INFORMATION OBTAINED BY ARCADIS DURING THE SITE CHARACTERIZATION AND ADDITIONAL INFORMATION PROVIDED BY THE PROPERTY OWNER; LOCATIONS WEST OF CVS PHARMACY (#8) ARE NOT SHOWN.

NATIONAL GRID
 FORMER DANGMAN PARK MGP SITE
 BROOKLYN, NEW YORK
SUPPLEMENTAL REMEDIAL INVESTIGATION

SITE PLAN

ARCADIS

FIGURE
1