



Langan
Engineering and Environmental Services

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TOPOGRAPHIC MAP OF PROJECT SITE ATLAS PARK REMEDIAL INVESTIGATION

Queens

New York

PROJ.NO

5555113

SCALE:

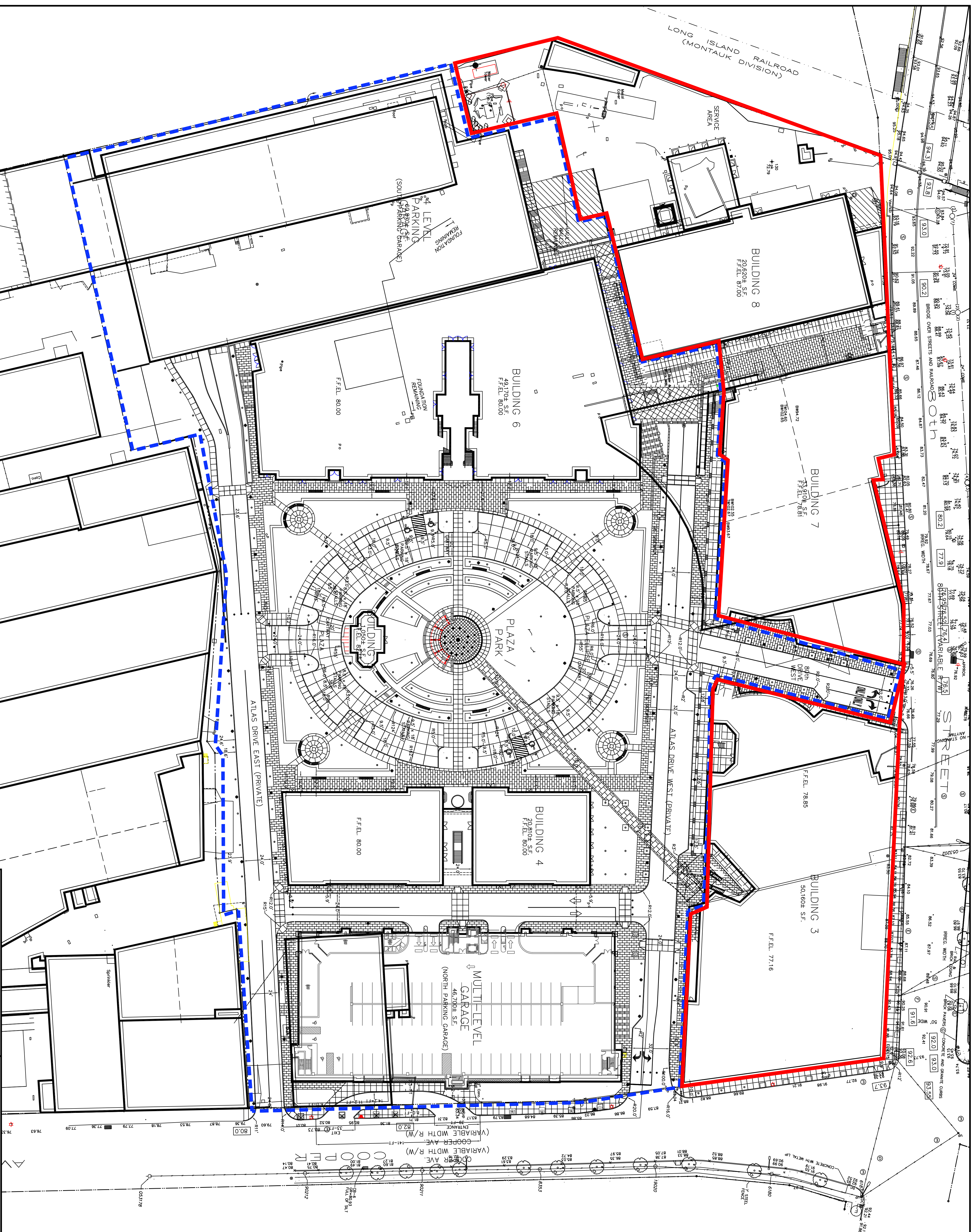
NTS

DATE

1/12/05

FIG:

1



LEGEND

SITE BOUNDARY

EXISTING BUILDINGS

PROPOSED BUILDINGS


 PARCEL A BOUNDARY

PARCEL B BOUNDARY

NOTES

1. BASE SURVEY PLAN WAS OBTAINED FROM A DRAINING
TITLED CITY OF NEW YORK, COUNTY OF QUEENS, TAX
BLOCK 3810, TAX LOT 2, BY MONROSE SURVEYING CO.,
LLP, DATED 17 DECEMBER 2001 SUPPLIED BY ATCO.
2. ELEVATIONS ARE REFERENCED TO BOROUGH PRESIDENT
OF QUEENS TOPOGRAPHICAL DATUM, WHICH IS 2.725 FT.
ABOVE NAD 1929 MEAN SEA LEVEL AT SANDY HOOK, NJ.
(BPO-USGS-2.725 FT).
3. PROPOSED SITE LAYOUT AND BUILDING LOCATIONS ARE
TAKEN FROM THE LANGAN BASE DRAWING TITLED
55553111.S01.

NORTH

<div> ENGINEERING & ENVIRONMENTAL SERVICES</div> <div>21 Penn Plaza 360 West 31st Street, 8th Floor New York, NY 10001-2727 P: 212.479.5400 F: 212.479.5444 www.elangan.com</div> <div>NEW JERSEY PENNSYLVANIA NEW YORK CONNECTICUT FLORIDA</div> <div>NJ Certificate of Authorization No. ZL6342799640</div>		Project No. 5555113	Drawing No. 2
Project Title			
THE SHOPS AT ATLAS PARK REMEDIAL ACTION WORK PLAN - PARCEL B		ATLAS PARK PARCEL A AND PARCEL B	
QUEENS NEW YORK			
Date 02/07/06			
Scale 1"=40'			
Dwn. By JB			
Lost/Revised 02/06/06		1 of 1	



- LEGEND**
- MW-40
CONTAMINATED MONITORING WELL (PCB AND TOE CONCENTRATIONS IN UG)
 - B-3-PPF2-1
SOIL SAMPLE LOCATIONS WITH ELEVATED VOCs PREVIOUSLY REMOVED
 - RI SOIL SAMPLE LOCATION
 -

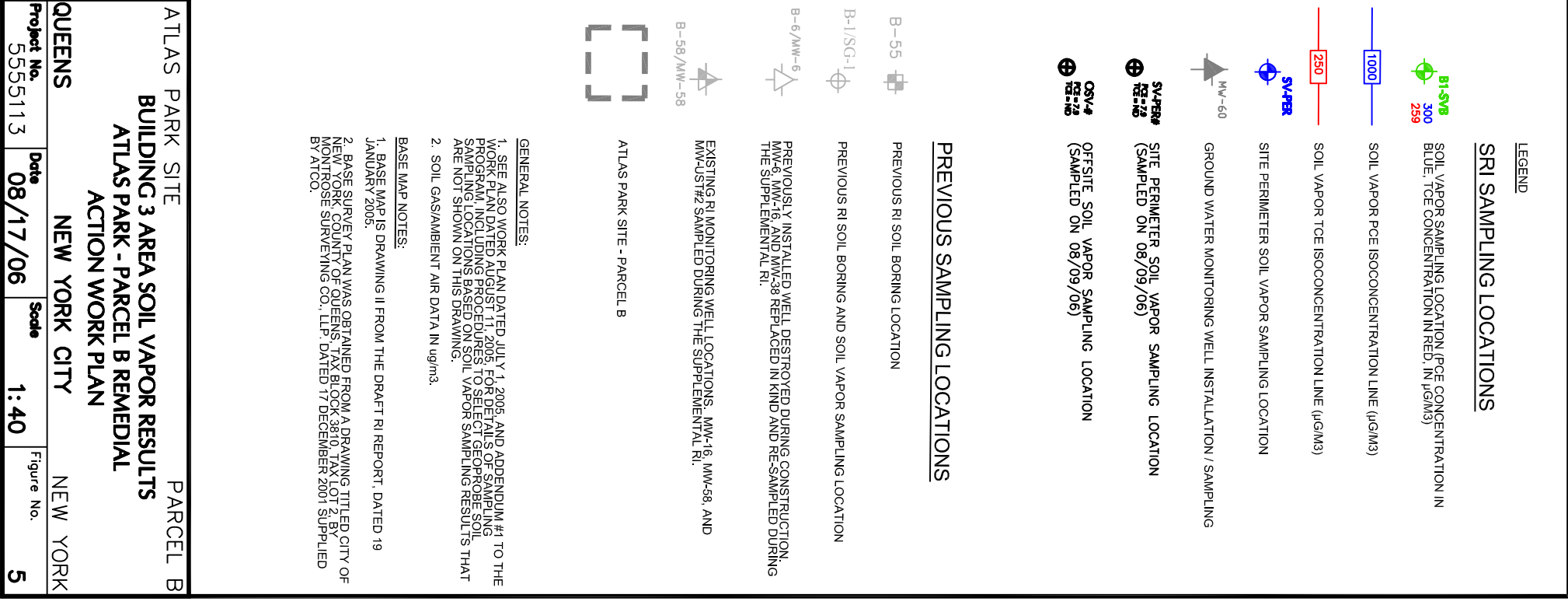
BASE MAP NOTES:

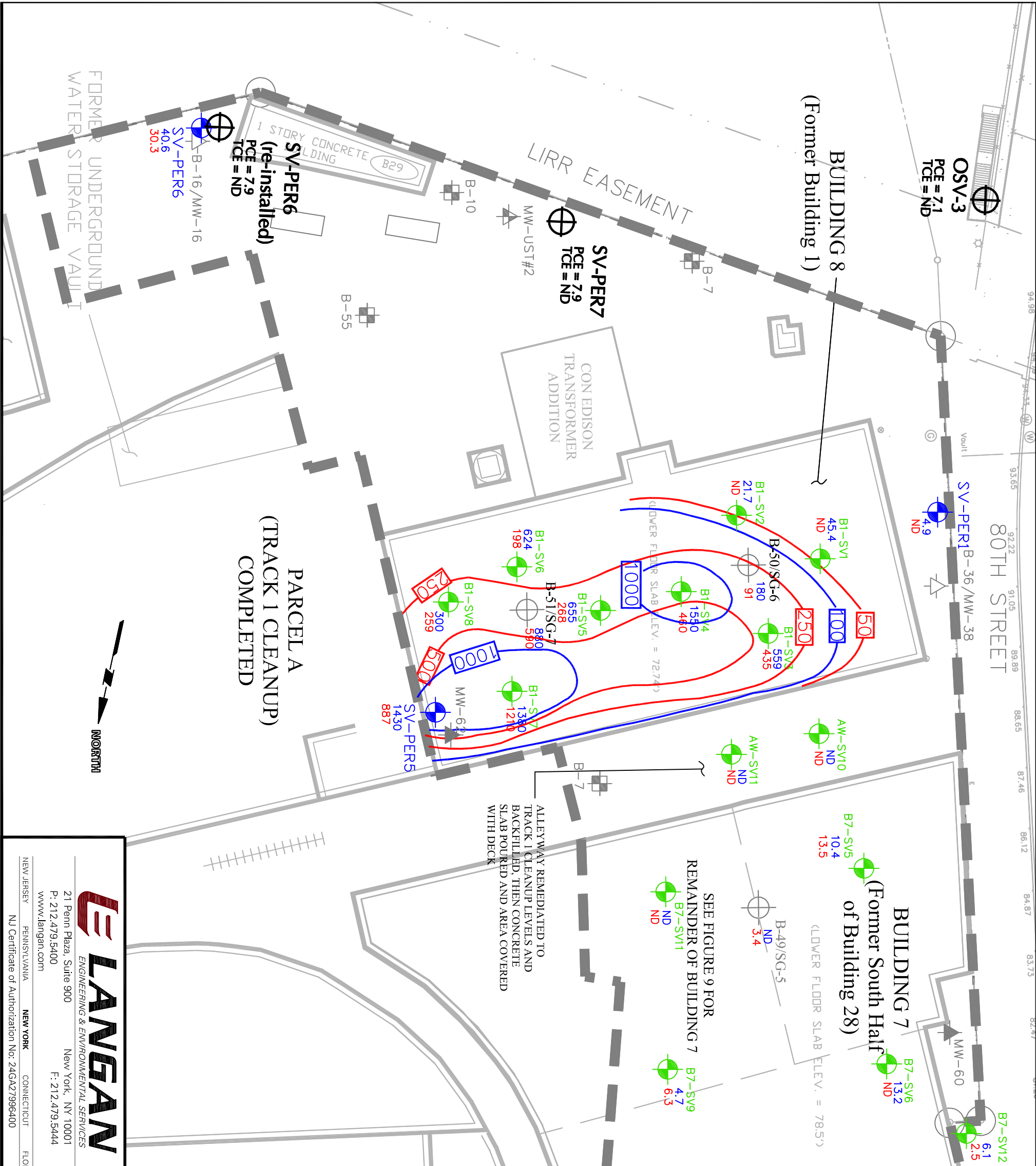
- BASE MAP IS DRAWING II FROM THE DRAFT RI REPORT, DATED 19 JANUARY 2005.
- BASE SURVEY PLAN WAS OBTAINED FROM A DRAWING TITLED CITY OF MONROE SURVEYING CO. LLP, DATED 17 DECEMBER 2001, SUPPLIED BY AICG.
- SITE LINES FROM A PLAN ENTITLED "UTILITY PLAN" PREPARED BY MONROE SURVEYING CO. LLP AND ENVIRONMENTAL SERVICES, DATED 19 JULY 2004, SCALE 1"=50'.



08/11/05 Revised Sample Locations 1	
Project	
THE SHOPS AT ATLAS PARK - PARCEL B REMEDIAL ACTION WORK PLAN	
Drawing Title	
SOIL SAMPLE LOCATIONS EXCEEDING THE PROPOSED NYSDEC SECTION 375 PART 6 TO BE LEFT IN PLACE	
Drawing No.	
Project No. 0000000000	
Date 7/26/05	
Scale 1"=50'	
Dn. By JH	
Cnd. By JH	
4	

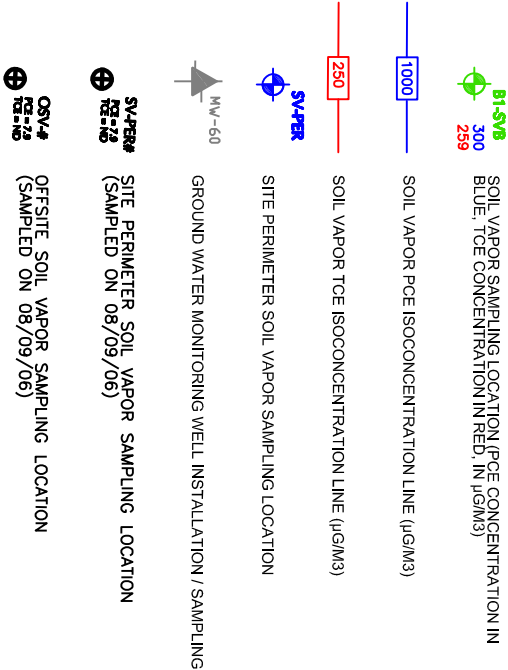




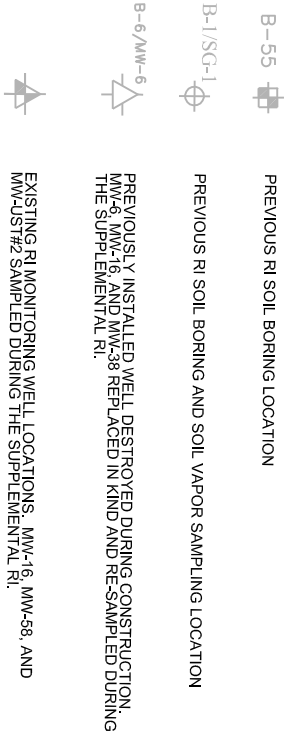


LEGEND

SRI SAMPLING LOCATIONS



PREVIOUS SAMPLING LOCATIONS



GENERAL NOTES:

1. SEE ALSO WORK PLAN DATED JULY 1, 2005, AND ADDENDUM #1 TO THE WORK PLAN DATED AUGUST 1, 2005, FOR DETAILS OF THE REMEDIAL PROGRAM, INCLUDING PROCEDURES TO SELECT SOIL BORING AND SAMPLING LOCATIONS BASED ON SOIL VAPOR SAMPLING RESULTS THAT ARE NOT SHOWN ON THIS DRAWING.
 2. SOIL GAS/AMBIENT AIR DATA IN ug/m3.
- BASE MAP NOTES:
1. BASE MAP IS DRAWING II FROM THE DRAFT RI REPORT, DATED 19 JANUARY 2005.
 2. BASE SURVEY PLAN WAS OBTAINED FROM A DRAWING TITLED CITY OF NEW YORK COUNTY OF QUEENS TAX BLOCK 3810, TAX LOT 2, BY MONTROSE SURVEYING CO., LLP, DATED 17 DECEMBER 2001, SUPPLIED BY ATCO.

ATLAS PARK SITE

BUILDING 8 SOIL VAPOR RESULTS

ATLAS PARK - PARCEL B REMEDIAL ACTION WORK PLAN

PARCEL B

QUEENS

NEW YORK CITY

NEW YORK

LANGAN

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NEW JERSEY PENNSYLVANIA NEW YORK CONNECTICUT FLORIDA

Project No.

5555113

Date

08/17/06

Scale

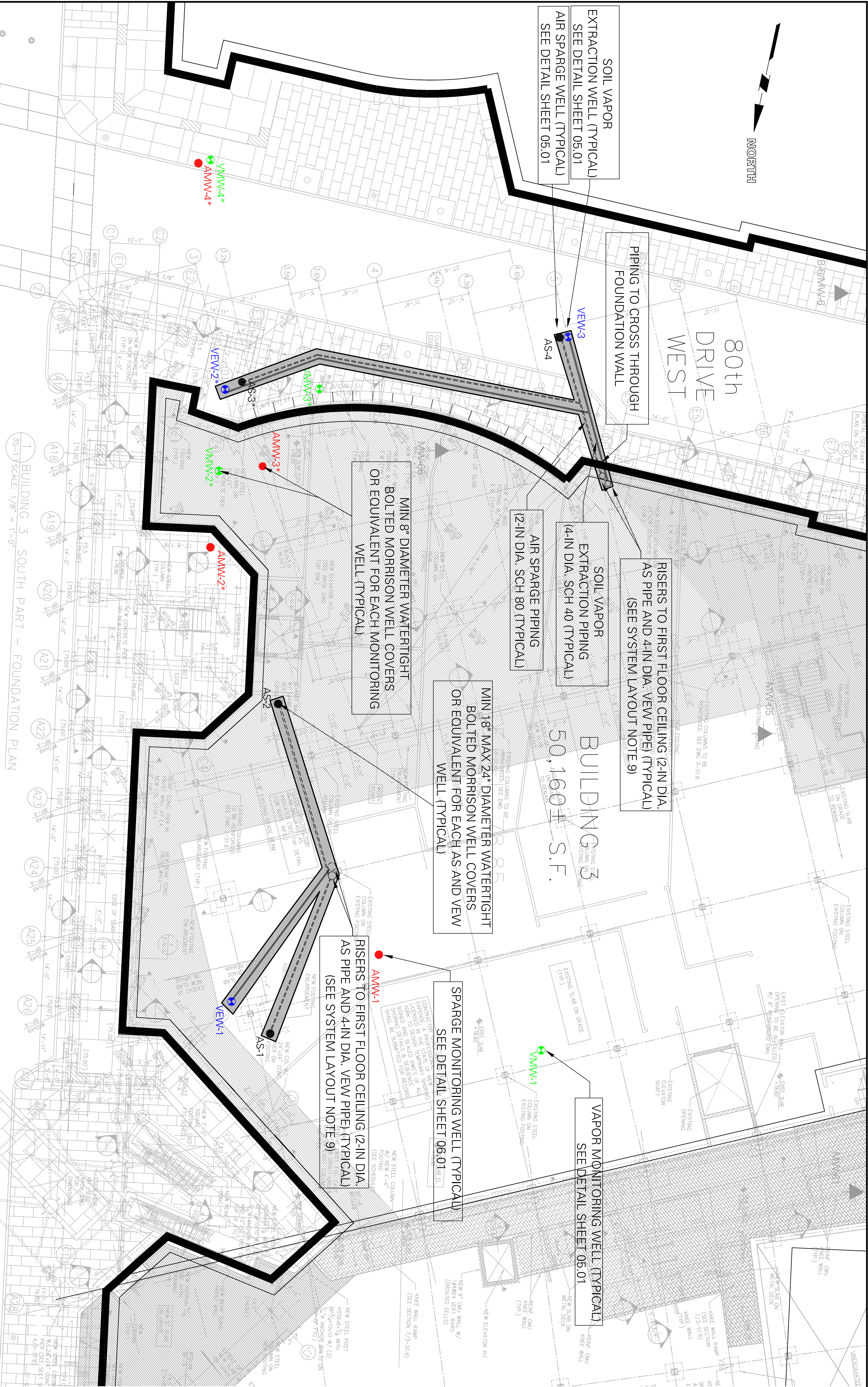
1:40

Figure No.

6

88 Soa Vapor

Figure 6 - 88 Soa Vapor



ATLAS DRIVE WEST (PRIVATE)

- LEGEND
- BUILDING FOOTPRINT
 - EXISTING MONITORING WELL
 - PROPOSED AIR SPARGING WELL
 - PROPOSED SOIL VAPOR EXTRACTION WELL
 - PROPOSED SPARGE MONITORING WELL
 - PROPOSED VAPOR MONITORING WELL
 - DENOTES PREVIOUSLY INSTALLED WELLSYSTEM COMPONENT
- NOTES:
- BASE SURVEY PLAN WAS OBTAINED FROM A DRAWING TITLED "PROPOSED REMEDIAL SYSTEM LAYOUT" FOR THE SITE OF QUENS TOWNSHIP, NEW YORK COUNTY OF QUENS, TAX BLOCK 3310, TAX LOT 2, BY MONTROSS SURVEYING CO., L.P., DATED 17 DECEMBER 2001 SUPPLIED BY ATO.
 - ELEVATIONS ARE REFERENCED TO BOROUGH PRESIDENT OF QUENS TOPOGRAPHICAL DATUM, WHICH IS 2.225 FT. ABOVE 1929 MEAN SEA LEVEL AT SANDY HOOK, NJ. (BPO-USGS 2.725 FT.).
 - PROPOSED SITE LAYOUT AND BUILDING LOCATIONS ARE TAKEN FROM THE LANGAN BASE DRAWING TITLED 5555111.S01.
 - EXISTING MONITORING WELL LOCATIONS ARE APPROXIMATE.
 - SYSTEM LAYOUT NOTES:
 - CONTRACTOR TO LOCATE AND SURVEY EXISTING MONITORING WELLS PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO LAYOUT LIMITS, PROVIDE SURVEY CONTROL, AND COORDINATE EXCAVATION/TRENCHING ACTIVITIES.
 - PREVENT SURFACE WATER RUN OFF INTO OPEN TRENCHES AND EXCAVATIONS.
 - PROTECT EXISTING UTILITY LINES DURING CONSTRUCTION, HAND DIG TRENCHES WHERE AS/VE SYSTEM CROSSES KNOWN UTILITY LINES OR SUSPECTED UTILITIES.
 - TRENCHING ACROSS 80TH DRIVE WEST WILL REQUIRE UTILITY CLEARANCE AND SPECIAL COORDINATION DUE TO NUMBER OF UTILITIES IN 80TH DRIVE WEST.
 - ALL AMW-# AND VEW-# WELLS REQUIRE 8" DIAMETER WATER TIGHT BOLTED MORRISON WELL COVERS OR EQUIVALENT. ACCESS TO THE WELLS MUST BE MAINTAINED FOR FURTHER SYSTEM MONITORING.
 - ALL AS-# AND VEW-# WELLS REQUIRE 18" DIAMETER WATER TIGHT BOLTED MORRISON WELL COVERS OR EQUIVALENT. ACCESS TO THE WELLS MUST BE MAINTAINED FOR FURTHER SYSTEM MONITORING.
 - ALL OUTDOOR PIPE RUNS MUST BE BELOW THE FROST LINE.
 - ALL UNDERGROUND AS PIPING SHALL BE SCHEDULE 80 PVC. ALL UNDERGROUND SVE PIPING SHALL BE SCHEDULE 40 PVC. ALL RISERS AND ABOVEGROUND PIPING SHALL BE SCHEDULE 20 GALVANIZED STEEL OR EQUIV PER NYC BUILDING CODE.
 - CONNECT ELECTRICITY TO SOIL VAPOR EXTRACTION AND AIR SPARGING BLOWERS. POWER AT POLE TO BE PROVIDED BY COMPANY.
 - EQUIPMENT SHED AND VAPOR PHASE GRANULAR ACTIVATED CARBON UNITS TO BE LOCATED ON REINFORCED BUILDING ROOF.
 - CONTRACTOR SHALL PROVIDE TELEPHONE AND ELECTRICAL SERVICES TO EQUIPMENT SHED.
- WELL SUMMARY TABLE:
- | Well # | Type | Screen Depth (feet below grade) | Well # | Type | Soil Vapor Extraction WBS (feet below grade) | |
|--------|---------------|---------------------------------|--------|---------------|--|----|
| AS-1 | Soil Rn - PVC | 2" | VEW-1 | Soil Rn - PVC | 2" | 45 |
| AS-2 | Soil Rn - PVC | 2" | VEW-2 | Soil Rn - PVC | 2" | 45 |
| AS-3 | Soil Rn - PVC | 82 | VEW-3 | Soil Rn - PVC | 2" | 45 |
| AS-4 | Soil Rn - PVC | 82 | | | | |

Project No.

5555113

Drawing Title

THE SHOPS AT ATLAS PARK
AIR SPARGING/SOIL VAPOR
EXTRACTION SYSTEM

REMEDIAL SYSTEM
AND TRENCHING
LAYOUT

Drawing No.

7

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