



March 2012

March 15, 2012

Ms. Elizabeth B. Lukowski  
New York State Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233-7014

Subject: Pre-Design Investigation  
Ithaca Court Street Former MGP Site OU-1, Markles Flats  
Ithaca, New York  
NYSDEC Site # 7-55-008

Dear Ms. Lukowski,

On behalf of New State Electric and Gas Corporation (NYSEG), AECOM is submitting a summary of pre-design investigation activities to take place on OU-1 (Markles Flats). The current remedial plan for the Markles Flats area is to excavate beneath the building and the immediately surrounding area following the building demolition by others. Additional investigation is recommended within this area to perform a waste characterization of the soil to be removed and disposed/treated of off-site.

The overall pre-design investigation will require the following activities.

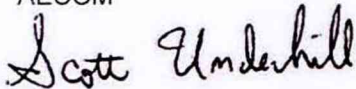
1. Perform a site visit to prepare for the field activities.
2. Perform a utility location mark-out around the Markles Flats Building to select actual boring locations.
3. Install eight direct push soil borings (up to two samples per boring) to collect waste characterization samples.
4. Collect 13 soil samples representative of the most impacted soil to characterize this material for waste disposal purposes and disposal facility pre-acceptance. The number of soil samples to be collected is based on the volume of soil to be removed and the disposal facility waste characterization requirements. Soil samples will be submitted for laboratory analysis of the following waste disposal parameters: VOCs, SVOCs, RCRA metals, total cyanide, TPH, total PCBs, % sulfur, BTU Content, TCLP VOCs, TCLP SVOCs, TCLP metals, TCLP herbicides, TCLP pesticides, ignitability, corrosivity (pH), reactive cyanide, reactive sulfide, % solids and paint filter.
5. Direct push soil borings will be installed approximately 1 to 2 feet into the underlying silty-clay layer (average depth of approximately 20 feet deep for each boring).
6. Install one hollow-stem auger (HSA) soil boring to an approximate depth of 60 feet for geotechnical evaluation to support the sheeting and dewatering design. HSA soil boring will include blow counts to assess soil strength and Shelby tubes will be collected for laboratory analysis of geotechnical parameters. HSA soil boring will be located in close proximity to the Markles Flats Area, but outside areas containing NAPL to protect the underlying aquifer.

Collect 5 geotechnical soil samples at approximately the following depths below grade: 15-ft, 25-ft, 35-ft, 45-ft and 55-ft. Geotechnical soil samples will be submitted for geotechnical laboratory analysis of the following parameters: Grain Size Analysis (ASTM D 422), Atterberg Limits (ASTM D 4318), Moisture Content (ASTM D 2216), UU Triaxial Shear Test (ASTM D 2850) and Soil Classification (ASTM D 2487).

The Field Sampling and Analytical Plan (FSAP), the Health and Safety Plan (HASP) and the Community Air Monitoring Plan (CAMP) used during the on-going OU-2 activities will also be utilized during this pre-design investigation for OU-1 (Markles Flats). The results of this investigation will be compiled into an addendum to the Remedial Design Report for OU-1 (Markles Flats) and submitted to NYSDEC for review and approval. This report will document the activities performed, and will summarize and evaluate the information and analytical results collected.

We would like to proceed with this supplemental PDI work as soon as possible so your prompt feedback on this would be greatly appreciated. Should you have any questions, please feel free to contact me at (518) 951-2208.

Sincerely,  
AECOM



Scott Underhill, P.E.  
Project Manager

Encl.

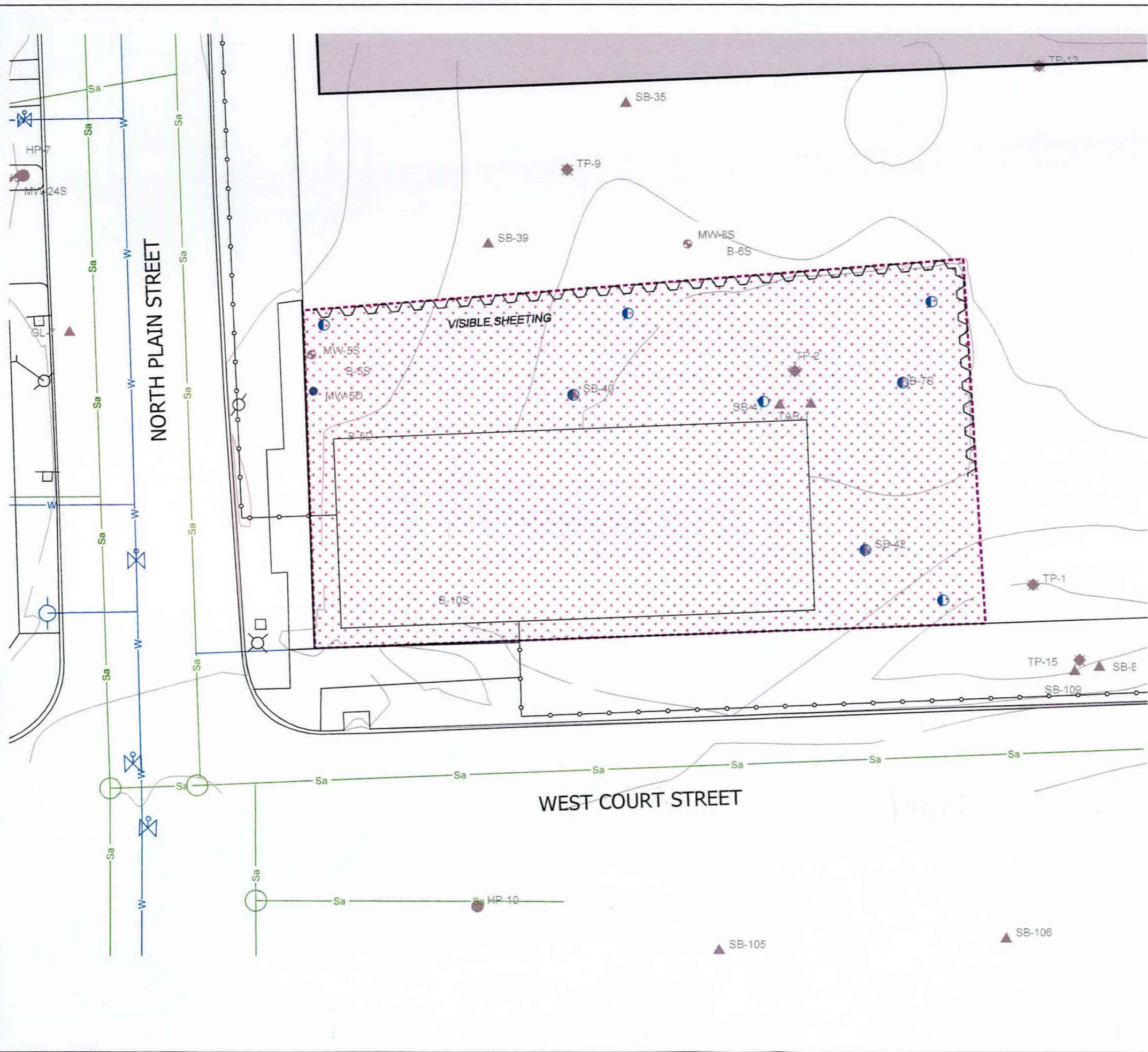
Cc: Tracy Blazicek, NYSEG  
Lucas Hellerich, AECOM

What about west  
↓ south?

↳ Does have  
Data @  
westcourt st.?



Plotted By: ihhoom  
 Plot File Date Created: 3/15/2012 3:43 PM  
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 Filename: X:\60215637\NYSEG ITHACA, NY COURT ST. MGP OU-2 REMEDIAL DESIGN\CAD\_3-12-12\60215637-ITHACA-COURT001A.DWG



**LEGEND**

- GEOTECHNICAL BORINGS
- MARKLES FLATS WASTE CHARACTERIZATION BORINGS
- ⊕ MW-1S MONITORING WELL
- ▲ SB-18 SOIL BORING
- HP-24 HYDRO PUNCH
- ⊛ TP-7 TEST PIT - SHAPES & SIZES VARIED
- Sa — SANITARY SEWER MAIN
- W — WATER MAIN
- S — STORM SEWER MAIN
- STORM MANHOLE
- ⊗ WATER MANHOLE
- SANITARY SEWER MANHOLE
- CATCH BASIN
- ⊕ WATER VALVE
- ⊕ FIRE HYDRANT
- ⊕ UTILITY POLE
- ⊕ LIGHT POLE
- DECIDUOUS TREE
- ⋯ PROPOSED SHEET PILE ALIGNMENT (AZ-19)

**NOTE:**  
 PROPOSED WASTE CHARACTERIZATION BORINGS LOCATED IN AREAS OF PREVIOUSLY IDENTIFIED IMPACTS

	<p><b>NYSEG - REMEDIAL DESIGN FOR          FORMER COURT STREET MGP SITE - OU2          ITHACA, NEW YORK</b></p> <p>PRE-DESIGN INVESTIGATION          MARKLES FLATS AREA          WASTE CHARACTERIZATION BORINGS</p>										
<p><b>WORKING DRAWING</b>          NOT FOR CONSTRUCTION</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>PROJECT DATE (M/Y)</td> <td>MARCH 2012</td> </tr> <tr> <td>PROJECT NO.</td> <td>60215637</td> </tr> <tr> <td>FILENAME</td> <td>60215637-ITHACA-COURT001A.dwg</td> </tr> <tr> <td>SHEET NO.</td> <td>1 OF 1</td> </tr> <tr> <td>DRAWING NO.</td> <td>1</td> </tr> </table>	PROJECT DATE (M/Y)	MARCH 2012	PROJECT NO.	60215637	FILENAME	60215637-ITHACA-COURT001A.dwg	SHEET NO.	1 OF 1	DRAWING NO.	1
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