

August 16, 2010

Ms. Sarah Carlson  
Environmental Engineer  
New York State Department of Environmental Conservation  
Region 2 – Division of Environmental Remediation  
47-40 21<sup>st</sup> Street  
Long Island City, NY 11101

**Re: Remedial Action Work Plan Addendum  
New York University  
4 Washington Square Village  
NYSDEC Spill No. 09-10543  
Langan Project No.: 170107001**

Dear Ms. Carlson:

On behalf of New York University (NYU), Langan Engineering and Environmental Services, P.C. (Langan) is pleased to submit this Addendum to the Remedial Action Work Plan (RAWP) for 4 Washington Square Village in the West Village neighborhood of Manhattan, New York (the "Site"). This addendum serves to modify the Supplemental Subsurface Investigation Report and Remedial Action Work Plan, dated May 2010. This RAWP Addendum was prepared in response to discussions between Langan, NYU, and the NYSDEC at a June 18, 2010 site meeting and NYSDEC's letter to NYU, dated June 23, 2010, which stated that additional work may be required after implementation of the RAWP to fully remediate the petroleum release.

In addition to the tasks outlined in the RAWP, NYU agrees to the following:

1. **Recovery Well (MW-9) Installation:** Recovery well MW-9 will be installed in the mezzanine area between UST No. 003 and monitoring wells MW6 and MW7. The recovery well will be constructed with 2-inch diameter PVC and 0.02-inch slotted PVC screen set to straddle the water table with 2 feet above and approximately 4 feet below the water table. Clean Morie #1 filter sand will be placed in the annulus between the borehole and the well screen, from the bottom of the boring to at least two feet above the top of the well screen. Hydrated bentonite and concrete slurry will be placed in the annulus, above the sand pack, to approximately 0.5 feet below the mezzanine slab. The recovery well will be finished flush to the mezzanine surface with a protective flush-mount, bolt-down road box set into a concrete collar. The location of the proposed recovery well is presented on Figure 1.
2. **Active Product Recovery:** Active recovery of fuel oil will be performed in all wells that contain free-phase product.

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Alan R. Poeppel, P.E.

Christopher Vitolano, P.E.

We trust that this RAWP Addendum is acceptable to the NYSDEC and look forward to working together on a successful project. Please feel free to contact me with any questions or comments.

Sincerely,  
**Langan Engineering and Environmental Services, P.C.**



Joel B. Landes, P.E.  
Senior Associate



Enclosure(s): Figure 1 – Proposed Recovery Well Location  
Implementation Schedule

cc: S. Kung, G. Rothauser (NYU)  
M. Burke, S. Abrams (Langan)

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LAGUARDIA PLACE

MERCER STREET

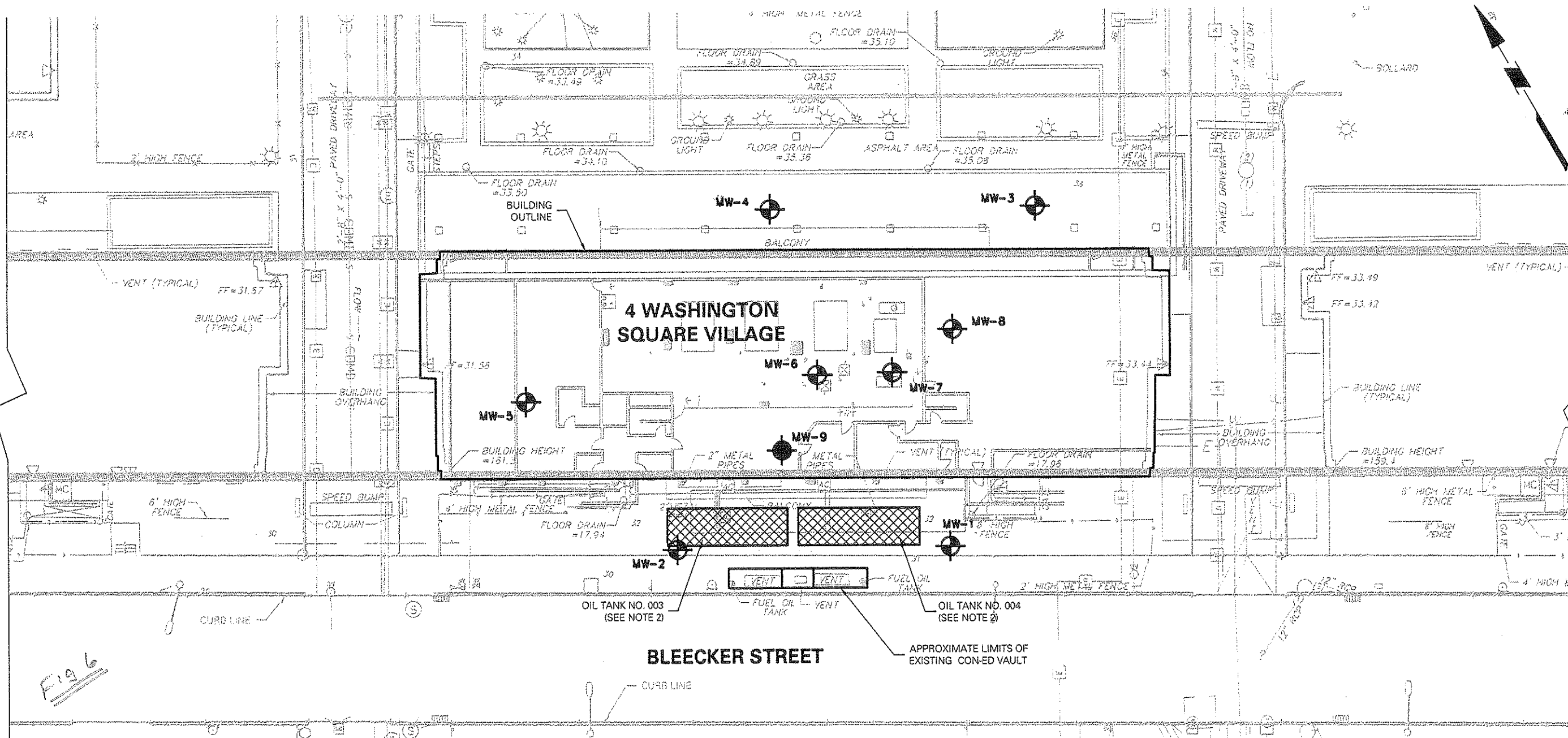






Fig 6

**LEGEND:**

-  BUILDING OUTLINE
-  MW-8 EXISTING GROUNDWATER MONITORING WELL LOCATION
-  MW-9 PROPOSED RECOVERY WELL LOCATION
-  APPROXIMATE LOCATION OF UNDERGROUND STORAGE TANK

**GENERAL NOTES:**

1. BASE PLAN IS TAKEN FROM A TOPOGRAPHICAL AND UTILITY SURVEY BY LANGAN ENGINEERING, DATED 26 JANUARY 2010.
2. THE LIMITS OF OIL TANKS #3 AND #4 ARE APPROXIMATE, BASED ON DRAWING NO. A-001.0.0 TITLED "LOWER LEVEL GARAGE PLAN SECTION A-A" BY NAPACH ROTHENBERG ARCHITECTS, DATED 22 JANUARY 2010 AND THE SUBSURFACE GEOPHYSICAL INVESTIGATION CONDUCTED BY DIVERSIFIED GEOPHYSICS, INC. ON 9 APRIL 2010. CONTRACTOR TO VERIFY IN FIELD THE LOCATION AND LIMITS OF THE OIL TANKS.
3. THE INTERIOR BUILDING BASED ON DRAWING NO. A-001.0.0 TITLED "LOWER LEVEL GARAGE PLAN SECTION A-A" BY NAPACH ROTHENBERG ARCHITECTS, DATED 22 JANUARY 2010.



**LANGAN**  
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NJ Certificate of Authorization No: 24GA27996400

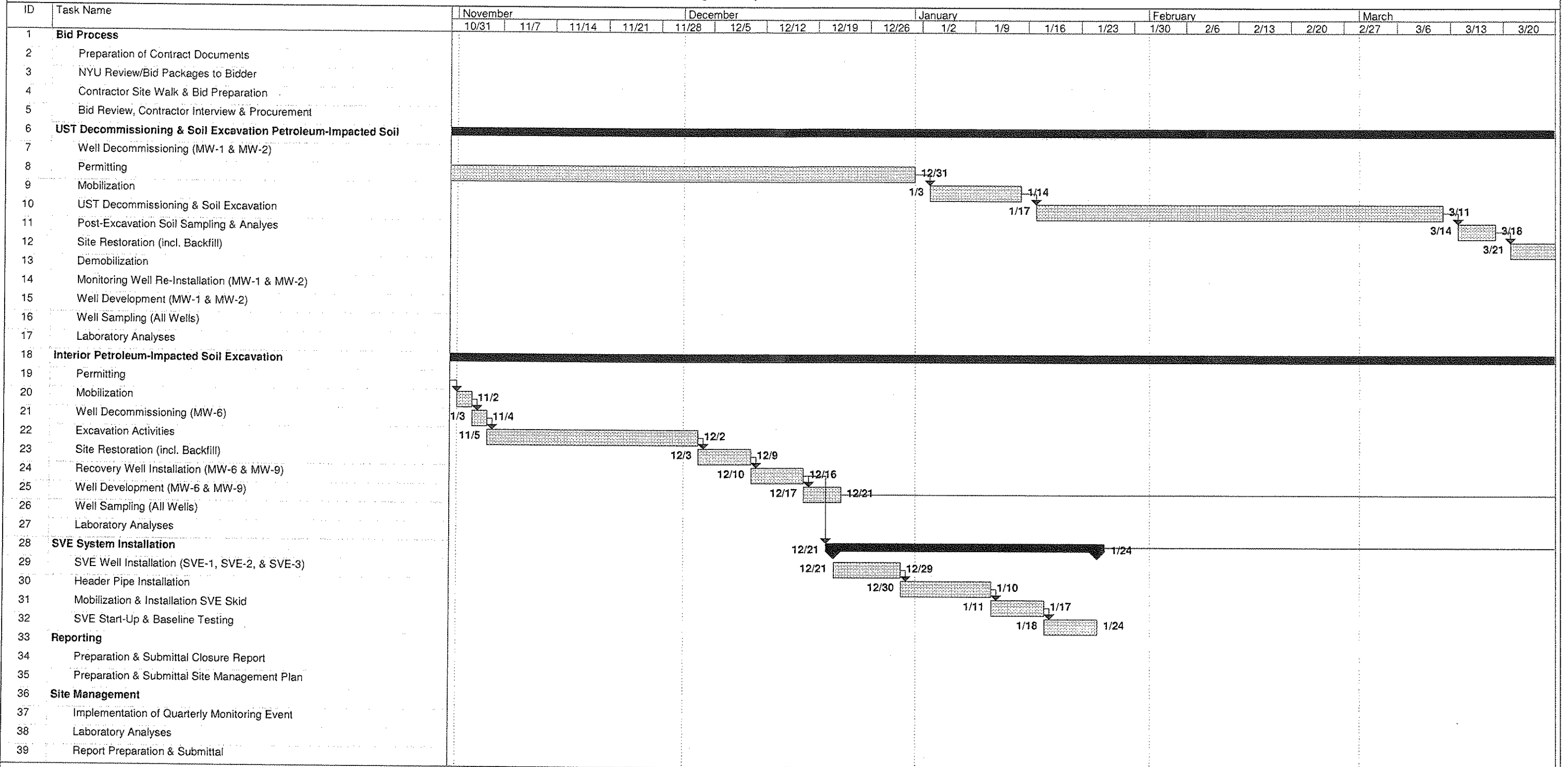
Project  
**PROPOSED RECOVERY WELL LOCATION**  
**4 WASHINGTON SQUARE VILLAGE**

NEW YORK NEW YORK

Project No. 170107001	Date 07/21/10	Scale 1" = 30'	Dwg. No. 1
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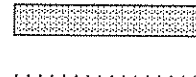


**Implementation Schedule  
 NYU 4 Washington Square Village  
 NYSDEC Spill No. 09-10543  
 Langan Project No.: 170107001**



Project: Implementation Schedule  
 Date: Tue 8/10/10

Task  
 Split



Progress  
 Milestone

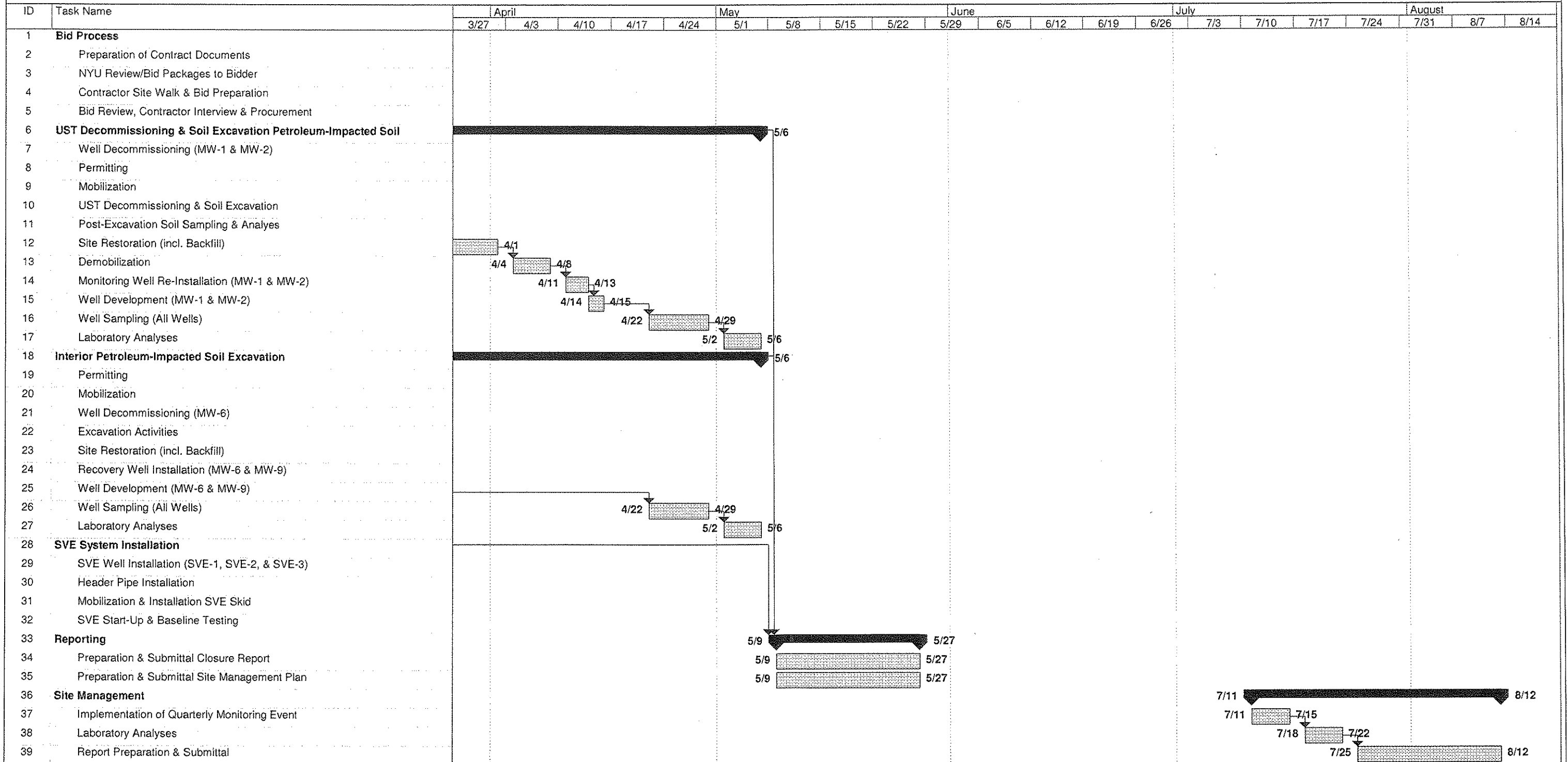
Summary  
 Project Summary

External Tasks  
 External Milestone









Deadline



**Implementation Schedule  
 NYU 4 Washington Square Village  
 NYSDEC Spill No. 09-10543  
 Langan Project No.: 170107001**



Project: Implementation Schedule  
 Date: Tue 8/10/10

Task		Progress		Summary		External Tasks		Deadline	
Split		Milestone		Project Summary		External Milestone	