

## SITE OBSERVATION REPORT

<b>PROJECT No.:</b> 170381202		<b>DATE:</b> Saturday, October 10, 2020													
<b>PROJECT:</b> 250 Water Street	<b>CLIENT:</b> 250 Seaport District, LLC	<b>WEATHER:</b> Partly cloudy, 63-69 °F Wind: E @ 2.1 to 7.3 mph													
<b>LOCATION:</b> New York, NY		<b>TIME:</b> 6:00 am – 3:30 pm													
<b>BCP SITE ID:</b> C231127		<b>CONTRACTOR:</b> Warren George, Inc.													
<b>CONTRACTOR:</b> Warren George, Inc.		<b>LANGAN REP. :</b> Vinicius De Paula													
<b>EQUIPMENT:</b> Truck-mounted drilling rig Jerome J505 and J405 MiniRAE 3000 Dusttrak DRX		<b>PRESENT AT SITE:</b> <b>Geotechnical Investigation Day 2</b> Vinicius De Paula, Maedeh Tavakoli – Langan Jake Harris – Warren George, Inc.													
<b>OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:</b> <p>Langan implemented the Community Air Monitoring Plan (CAMP) during a geotechnical investigation at the 250 Water Street site (New York State Department of Environmental Conservation [NYSDEC] Brownfield Cleanup Program [BCP] Site No. C231127).</p> <p><b>Site Activities</b></p> <ul style="list-style-type: none"> <li>Warren George, Inc. predrilled seven Cone Penetration Test (CPT) locations with a mud rotary, truck-mounted drilling rig to about 15 feet below grade surface (bgs) and backfilled with clean sand (No. 2 Filpro®).</li> <li>Langan installed depth data loggers (TD-Diver™) and collected depth to water (DTW) readings using an oil water interface probe at each of previously installed monitoring wells. Depth to water (DTW) of each well was measured from the top of casing. Wells were also gauged for the presence of free product; a 0.01-foot-thick layer of light non-aqueous phase liquid (LNAPL) was measured at monitoring well MW31.           <table border="0" style="margin-left: 40px;"> <tr> <td>○ MW11: DTW = 9.85'</td> <td>○ MW30: DTW = 12.82'</td> </tr> <tr> <td>○ MW15: DTW = 15.48'</td> <td>○ MW31: DTW = 10.47'</td> </tr> <tr> <td>○ MW17: DTW = 9.82'</td> <td>○ MW32: DTW = 8.94'</td> </tr> <tr> <td>○ MW25: DTW = 15.45'</td> <td>○ MW33: DTW = 10.69'</td> </tr> <tr> <td>○ MW26: DTW = 12.49'</td> <td>○ MW34: DTW = 9.74'</td> </tr> <tr> <td>○ MW28: DTW = 8.42'</td> <td></td> </tr> </table> </li> </ul> <p><b>Material Tracking</b></p> <ul style="list-style-type: none"> <li>Impacted drilling mud from CPT location CPT-12 was recovered and containerized in a sealed 55-gallon drum.</li> <li>No material was imported to the site.</li> <li>No material was exported from the site.</li> </ul> <p><b>Sampling</b></p> <ul style="list-style-type: none"> <li>No samples were collected.</li> </ul>				○ MW11: DTW = 9.85'	○ MW30: DTW = 12.82'	○ MW15: DTW = 15.48'	○ MW31: DTW = 10.47'	○ MW17: DTW = 9.82'	○ MW32: DTW = 8.94'	○ MW25: DTW = 15.45'	○ MW33: DTW = 10.69'	○ MW26: DTW = 12.49'	○ MW34: DTW = 9.74'	○ MW28: DTW = 8.42'	
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<b>Cc:</b> J. Yanowitz, P. McMahon, M. Raygorodetsky	<b>By:</b> Vinicius De Paula	<b>LANGAN</b>													

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### CAMP Activities

Langan performed air monitoring during ground-intrusive activities. Fifteen-minute average concentrations of particulate matter smaller than 10 microns in diameter (PM10), mercury vapor, and volatile organic compounds (VOC) did not exceed action levels for the duration of work activities. Daily background concentrations for PM10, VOCs, and mercury vapor based on the June 16, 2020 baseline air monitoring event were 0.025 milligrams per cubic meter (mg/m<sup>3</sup>) for PM10, 0.5 parts per million (ppm) for VOCs, and 0.0 micrograms per cubic meter (µg/m<sup>3</sup>) for mercury vapor.

Daily Average Concentrations			
Station ID	Particulate (mg/m <sup>3</sup> )	Organic Vapor (ppm)	Mercury Vapor (µg/m <sup>3</sup> )
PM-1	0.000	0.1	0.0
PM-2	0.018	0.5	0.0
PM-3	0.014	0.0	0.0
PM-4	0.002	0.0	0.0
PM-5	0.019	0.1	0.0
PM-6	0.019	0.0	0.0
WZ-1	0.019	0.0	0.0

Maximum 15-Minute-Average Concentration			
Station ID	Particulate (mg/m <sup>3</sup> )	Organic Vapor (ppm)	Mercury Vapor (µg/m <sup>3</sup> )
PM-1	0.000	0.5	0.0
PM-2	0.026	0.7	0.0
PM-3	0.018	0.3	0.0
PM-4	0.009	0.0	0.0
PM-5	0.035	0.2	0.0
PM-6	0.028	0.0	0.0
WZ-1	0.070	0.1	0.0

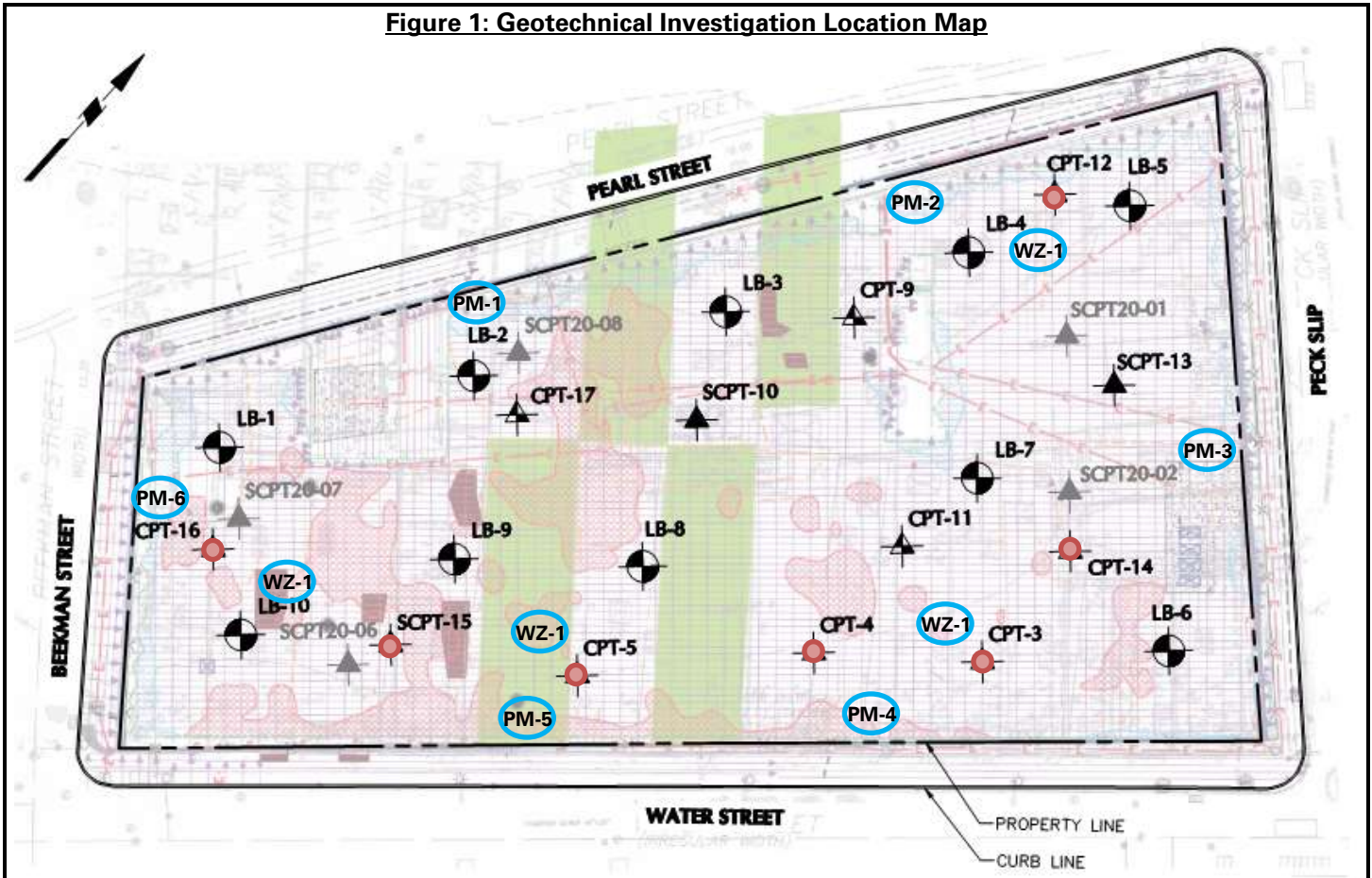
### Anticipated Activities

- Warren George, Inc. will continue to predrill CPT locations.
- ConTec will mobilize to begin CPT testing.

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**Figure 1: Geotechnical Investigation Location Map**



**Legend:**

- Approximate location of predrilled CPT location
- PM-1 Approximate location of air monitoring station (on-site)
- WZ-1 Approximate locations of work zone air monitoring station

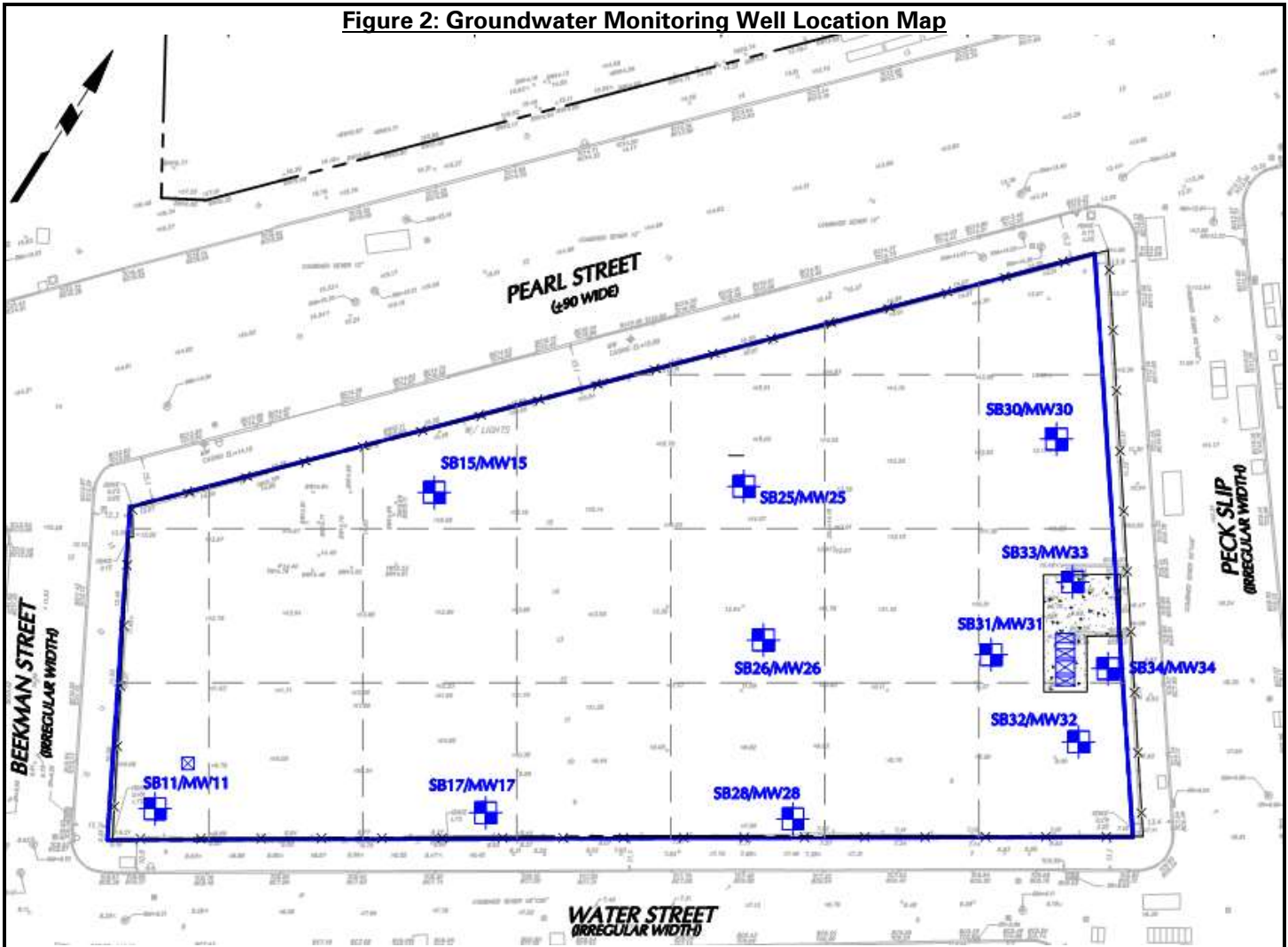
**Notes:**

1) Air monitoring station were relocated based on work area and wind direction. Locations shown above identify the predominant area of the air monitoring station.

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**Figure 2: Groundwater Monitoring Well Location Map**



**Legend:**

- Approximate site boundary
- SB30/MW30  
Approximate location of groundwater monitoring well

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## SITE OBSERVATION REPORT

### Select Site Photographs:



Photo 1: View of submersible datalogger



Photo 2: View of Warren George, Inc. predrilling CPT location CPT-12 (facing east).

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