

Prepared By: Peter Rath sack

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|----------------------------|------------------|-----------------|--------------------|
| NYSDEC BCP Site No: | C224219 | Date: | 06/13/2023 |
| Project Name: | 450 Union Street | Weather: | Overcast, 70-75 °F |
| Client: | 2201 Union LLC | Time: | 7:00 – 13:50 |

Personnel On-Site:

Environmental Consultant: Vektor Consultants – Peter Rath sack, Ezgi Karayel

GZA: Daniel Tessar

Coastal Environmental Solutions - Patrick Slavin, Marc Morgenstern

NYSDEC Representative: Megan Medwid

WSP: Brian Jessourian

Work Activities Performed:

- Vektor mobilized to the site to oversee the grossly contaminated media (GCM) delineation as per the Remedial Site Optimization Work Plan (RSOWP) along with Coastal Environmental Solutions (driller), and GZA (National Grid's environmental consultant).
- The location for DB-2 and DB-3 were measured and marked according to the RSOWP.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed two borings (DB-2 and DB-3). DB-2 was installed to a depth of 70 feet bgs to assess the extent of non-aqueous phase liquid (NAPL) and GCM at the site.
 - GCM as evidenced by staining, sheen, odors, and PID readings was encountered starting at a depth of approximately 25 feet below grade surface (bgs). Visually impacted soils continued until approximately 32 feet. Coal tar staining was observed between 25 to 30 feet. Coated coal tar was observed between 30 to 32 feet. No olfactory or PID evidence of impacted soils were present below 32 feet.
 - A shake test was conducted for the initial suspected GCM at 28-30 feet interval and revealed a small amount of LNAPL sheen and trace DNAPL.
- DB-3 was installed to a depth of 70 feet bgs to assess the extent of non-aqueous phase liquid (NAPL) and GCM at the site.
 - GCM as evidenced by staining, sheen, odors, and PID readings encountered starting at a depth of approximately 25 feet below grade surface (bgs). Visually impacted soils continued until approximately 39 feet. Coal tar staining was observed between 25 to 27 feet and from 29 to 39 feet. Coated coal tar was observed between 27 to 29 feet. No olfactory or PID evidence of impacted soils were present below 39 feet.
 - A shake test was conducted for the initial suspected GCM at 27-29 feet interval and revealed a small amount of LNAPL sheen and trace DNAPL. A second shake test was conducted to confirm lack of NAPL below 39 feet at the 39-40 feet interval.
- All soil cuttings were placed into a 55-gallon drum at the Site for future off-site disposal, and DB-1 was backfilled with a concrete slurry.

Samples Collected:

- Vektor collected coal tar delineation samples from DB-2 (25'- 27') from 25 to 27 feet bgs, DB-2 (28'-30') from 28 to 30 feet bgs (on hold), and DB-2 (32'-34') from 32 to 34 feet bgs. A duplicate sample (DUP-1) was collected from DB-2 (25'-27'), and MS/MSD samples were collected from DB-2 (32'-34'). The samples will be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, herbicides, target analyte list (TAL) metals, and cyanide.
- Vektor collected coal tar delineation samples from DB-3 (27'- 29') from 27 to 29 feet bgs and DB-3 (39'-40') from 39 to 40 feet bgs. The samples will be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, herbicides, target analyte list (TAL) metals, and cyanide. One field blank (FB-1) was also collected to be analyzed for the same parameters.

Community Air Monitoring Program

Real-time Community Air Monitoring Plan (CAMP) was implemented during all intrusive work at an upwind and a downwind location. No CAMP exceedances were observed.

Problems Encountered

N/A

Planned Activities for the Next Day

Drilling of DB-4.

SITE PLAN / WORK AREAS

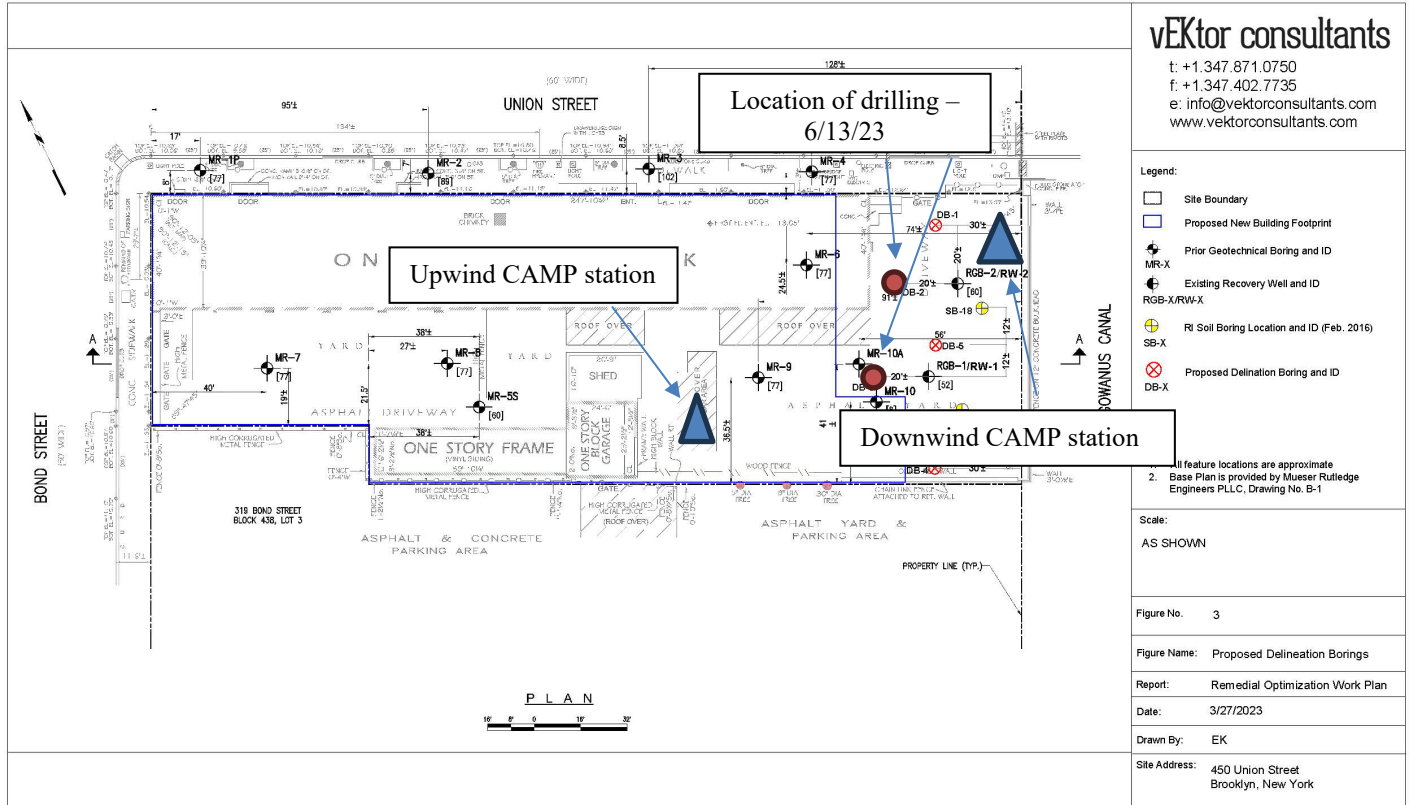


PHOTO LOG

Photo 1: View of downwind
CAMP station facing west.



Photo 2: View of Coastal
Environmental Solutions drilling
DB-2 with Sonic Drill Rig CRS
XL 140 DUO



Photo 3: View of DB-2 sonic sleeves 20 to 25 feet and 25 to 30 feet. Coating and staining of coal tar is visible.

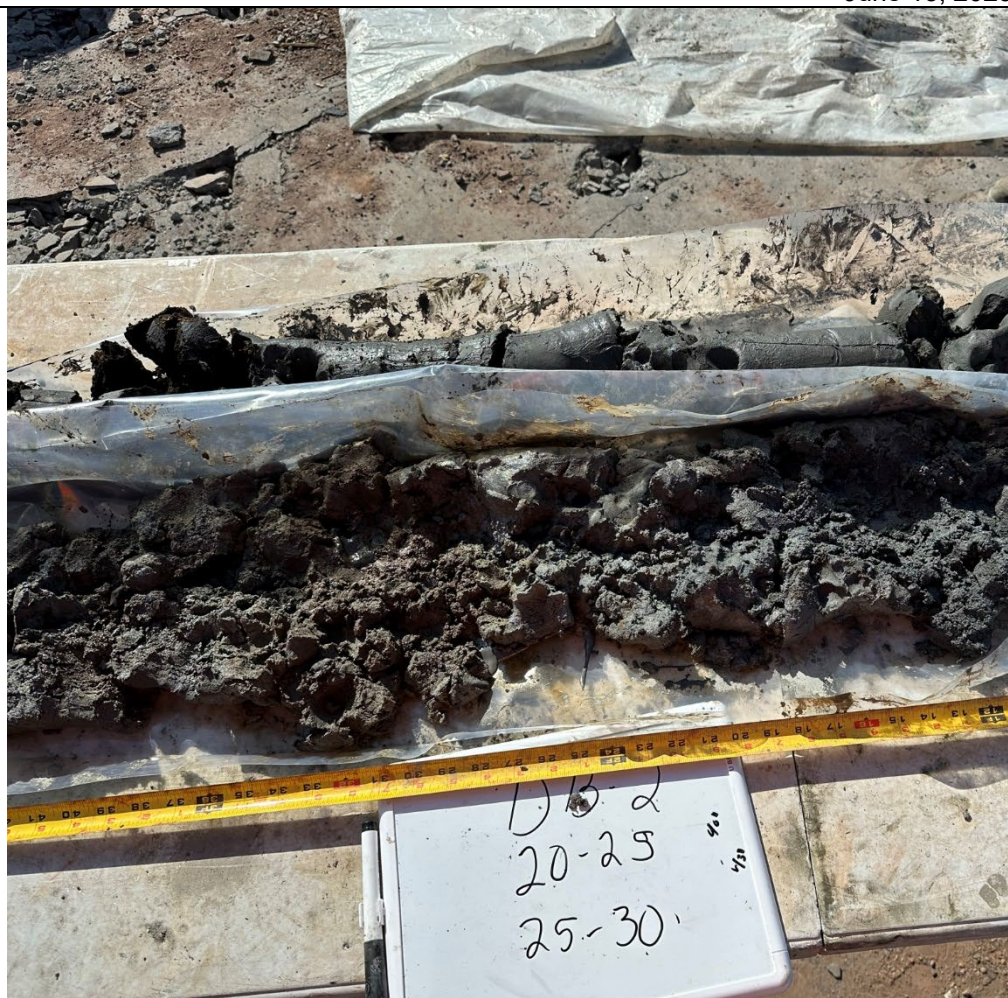
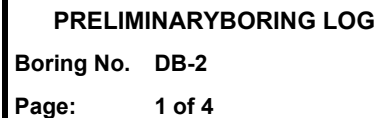


Photo 4: View of DB-3 sonic sleeves 30 to 35 feet and 35 to 40 feet. Coating and staining of coal tar is visible.



Photo 4: View of shake tests performed on DB-2 28 to 30 feet, DB-3 27 to 29 feet, and DB-3 39 to 40 feet.





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|-----------------------|--|
| Boring Depth (ft): | 70 |
| Boring Diameter (in): | 4.00 |
| Sampling Method(s): | DS - Dedicated Plastic Sonic Sleeve |
| Location (Lat, Long): | 40.67948, -73.98876 |

NOTES:

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|--|-----------|------------|---|---------|--|------------------------------|----------------|------------|------------|------------|-----------|------------|----------------|------|--|------------------------------|----------------|----|------------|-------------|-------------------------------|---------------|-----------|------------|--|----|----|------|---|-----|----|--|--|--|--|--|----|--|----|--------|------|--|-----|----------------|----|--|--|--|--|--|-----|--|--|--|--|--|--|--|-----|--|--|----|--|----|--|------|--|----|--|----|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|-----|--|--|----|--|--|--|--|--|--|--|----|
| <div>vEktor consultants</div> | | | Client: 2201 Union LLC | | PRELIMINARYBORING LOG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Project: 450 Union | | Boring No. DB-2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Address: 450 Union Street, Brooklyn, NY | | Page: 2 of 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drilling Start Date: 6/13/2023 | | | | | Boring Depth (ft): 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drilling End Date: 6/13/2023 | | | | | Boring Diameter (in): 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drilling Company: Costal Environmental Solutions | | | | | Sampling Method(s): DS - Dedicated Plastic Sonic Sleeve | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drilling Method: Sonic | | | | | Location (Lat, Long): 40.67948, -73.98876 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drilling Equipment: CRS XL 140 DUO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Driller: Patrick Slavin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Logged By: Peter Rathsack | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><td rowspan="2">DEPTH (ft)</td><td rowspan="2">LITHOLOGY</td><td rowspan="2">COLOR CODE</td><td colspan="3">COLLECT</td><td rowspan="2">SOIL/ROCK VISUAL DESCRIPTION</td><td colspan="2">MEASURE</td><td rowspan="2">DEPTH (ft)</td></tr><tr><td>Sample Type</td><td>Remarks</td><td>Recovery (ft)</td><td>PID (ppm)</td><td>Lab Sample</td></tr></table> | | | | | | | | | | DEPTH (ft) | LITHOLOGY | COLOR CODE | COLLECT | | | SOIL/ROCK VISUAL DESCRIPTION | MEASURE | | DEPTH (ft) | Sample Type | Remarks | Recovery (ft) | PID (ppm) | Lab Sample | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEPTH (ft) | LITHOLOGY | COLOR CODE | COLLECT | | | SOIL/ROCK VISUAL DESCRIPTION | MEASURE | | DEPTH (ft) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Sample Type | Remarks | Recovery (ft) | | PID (ppm) | Lab Sample | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><td>20</td><td rowspan="5"></td><td rowspan="5">DS</td><td rowspan="5">Odor, Staining</td><td>5.00</td><td>(20.00') ORGANIC SOIL (OH); some clay, high plasticity, stiff, moist, gray</td><td rowspan="5">150</td><td rowspan="5">DB-2 (25'-27')</td><td>20</td></tr><tr><td></td><td></td><td>(23.00') PEAT (PT); some clay</td><td>21</td></tr><tr><td></td><td></td><td></td><td>35</td></tr><tr><td>25</td><td>3.67</td><td>(25.00') Poorly graded SAND (SP); mostly medium-coarse grained sand, loose, wet, gray</td><td>250</td><td>25</td></tr><tr><td></td><td></td><td>(28.00') Poorly graded SAND (SP); mostly fine-medium grained sand, loose, wet, brown</td><td></td><td></td></tr><tr><td>30</td><td></td><td>DS</td><td rowspan="3">Coated</td><td>4.33</td><td>(30.00') Poorly graded SAND (SP); some fine-coarse grained sand, some silt, some clay, medium dense, wet, gray</td><td>248</td><td rowspan="3">DB-2 (32'-34')</td><td>30</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>299</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>121</td><td></td><td></td></tr><tr><td>35</td><td></td><td>DS</td><td></td><td>3.16</td><td>(35.00') Poorly graded SAND with gravel (SP); mostly fine-coarse grained sand, little fine-coarse gravel, little silt, some clay, loose, moist, gray</td><td>32</td><td></td><td>35</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>7.5</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>7.5</td><td></td><td></td></tr><tr><td>40</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>40</td></tr></table> | | | | | | | | | | 20 | | DS | Odor, Staining | 5.00 | (20.00') ORGANIC SOIL (OH); some clay, high plasticity, stiff, moist, gray | 150 | DB-2 (25'-27') | 20 | | | (23.00') PEAT (PT); some clay | 21 | | | | 35 | 25 | 3.67 | (25.00') Poorly graded SAND (SP); mostly medium-coarse grained sand, loose, wet, gray | 250 | 25 | | | (28.00') Poorly graded SAND (SP); mostly fine-medium grained sand, loose, wet, brown | | | 30 | | DS | Coated | 4.33 | (30.00') Poorly graded SAND (SP); some fine-coarse grained sand, some silt, some clay, medium dense, wet, gray | 248 | DB-2 (32'-34') | 30 | | | | | | 299 | | | | | | | | 121 | | | 35 | | DS | | 3.16 | (35.00') Poorly graded SAND with gravel (SP); mostly fine-coarse grained sand, little fine-coarse gravel, little silt, some clay, loose, moist, gray | 32 | | 35 | | | | | | | 7.5 | | | | | | | | | 7.5 | | | 40 | | | | | | | | 40 |
| 20 | | DS | Odor, Staining | 5.00 | (20.00') ORGANIC SOIL (OH); some clay, high plasticity, stiff, moist, gray | 150 | DB-2 (25'-27') | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | (23.00') PEAT (PT); some clay | | | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | 3.67 | (25.00') Poorly graded SAND (SP); mostly medium-coarse grained sand, loose, wet, gray | | | 250 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | (28.00') Poorly graded SAND (SP); mostly fine-medium grained sand, loose, wet, brown | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | DS | Coated | 4.33 | (30.00') Poorly graded SAND (SP); some fine-coarse grained sand, some silt, some clay, medium dense, wet, gray | 248 | DB-2 (32'-34') | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 299 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 121 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | | DS | | 3.16 | (35.00') Poorly graded SAND with gravel (SP); mostly fine-coarse grained sand, little fine-coarse gravel, little silt, some clay, loose, moist, gray | 32 | | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 7.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 7.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | | | | | | | | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTES: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| vEktor consultants | Client: | 2201 Union LLC | PRELIMINARYBORING LOG | |
| | Project: | 450 Union | | Boring No. DB-2 |
| | Address: | 450 Union Street, Brooklyn, NY | | Page: 3 of 4 |

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|--|---|
| Drilling Start Date: 6/13/2023 | Boring Depth (ft): 70 |
| Drilling End Date: 6/13/2023 | Boring Diameter (in): 4.00 |
| Drilling Company: Costal Environmental Solutions | Sampling Method(s): DS - Dedicated Plastic Sonic Sleeve |
| Drilling Method: Sonic | Location (Lat, Long): 40.67948, -73.98876 |
| Drilling Equipment: CRS XL 140 DUO | |
| Driller: Patrick Slavin | |
| Logged By: Peter Rath sack | |

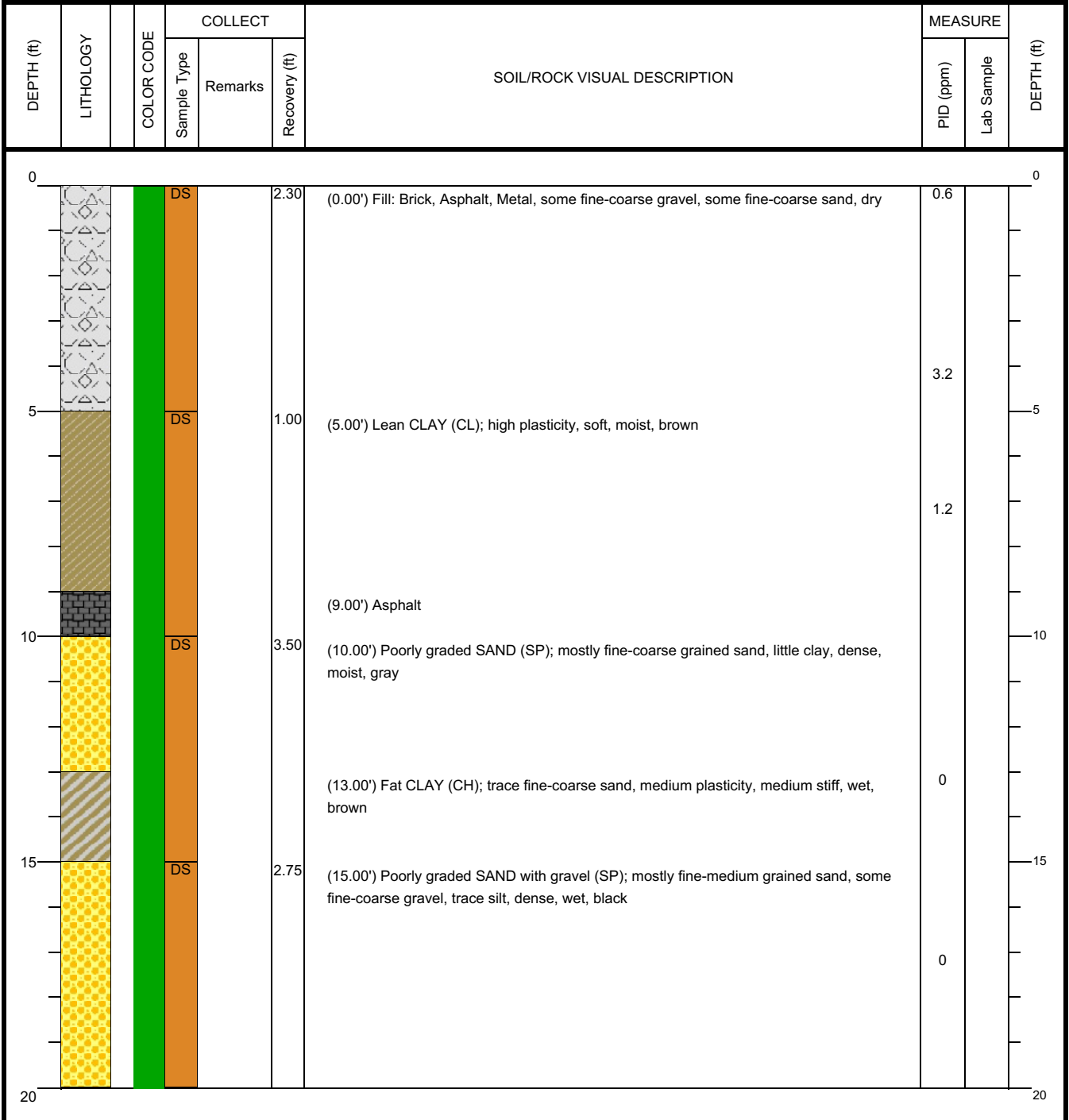
| DEPTH (ft) | LITHOLOGY | COLOR CODE | COLLECT | | | SOIL/ROCK VISUAL DESCRIPTION | MEASURE | | DEPTH (ft) |
|------------|-----------|------------|-------------|---------|---------------|---|-----------|------------|------------|
| | | | Sample Type | Remarks | Recovery (ft) | | PID (ppm) | Lab Sample | |
| 40 | | | DS | | 2.00 | (40.00') Lean CLAY (CL); trace coarse gravel, little fine-coarse sand, mostly clay, medium plasticity, stiff, moist, brown | 0.4 | | 40 |
| | | | | | | | 0.3 | | |
| | | | | | | | 0.1 | | |
| 45 | | | DS | | 2.00 | | | | 45 |
| | | | | | | | 0.2 | | |
| | | | | | | | 0.1 | | |
| | | | | | | (48.00') Lean CLAY (CL); trace fine-coarse gravel, little fine-coarse sand, mostly clay, medium plasticity, stiff, moist, brown | 0.1 | | |
| 50 | | | DS | | 2.83 | (50.00') Lean CLAY (CL); little fine-coarse gravel, little fine-coarse sand, low plasticity, soft, saturated, gray | 0.1 | | 50 |
| | | | | | | | | | |
| | | | | | | | 0.1 | | |
| | | | | | | | | | |
| 55 | | | | | | | 0 | | 55 |
| | | | | | | | | | |
| | | | | | | | 0 | | |
| | | | | | | | | | |
| 60 | | | | | | | | | 60 |

NOTES:


| <div>vEktor consultants</div> | | | | Client: 2201 Union LLC | | | PRELIMINARYBORING LOG | | | | |
|--|-----------|------------|-------------|---|---------------|--|-----------------------|------------|------------|--|--|
| | | | | Project: 450 Union | | | Boring No. DB-2 | | | | |
| | | | | Address: 450 Union Street, Brooklyn, NY | | | Page: 4 of 4 | | | | |
| Drilling Start Date: 6/13/2023 | | | | | | Boring Depth (ft): 70 | | | | | |
| Drilling End Date: 6/13/2023 | | | | | | Boring Diameter (in): 4.00 | | | | | |
| Drilling Company: Costal Environmental Solutions | | | | | | Sampling Method(s): DS - Dedicated Plastic Sonic Sleeve | | | | | |
| Drilling Method: Sonic | | | | | | Location (Lat, Long): 40.67948, -73.98876 | | | | | |
| Drilling Equipment: CRS XL 140 DUO | | | | | | | | | | | |
| Driller: Patrick Slavin | | | | | | | | | | | |
| Logged By: Peter Rath sack | | | | | | | | | | | |
| DEPTH (ft) | LITHOLOGY | COLOR CODE | COLLECT | | | SOIL/ROCK VISUAL DESCRIPTION | MEASURE | | DEPTH (ft) | | |
| | | | Sample Type | Remarks | Recovery (ft) | | PID (ppm) | Lab Sample | | | |
| 60 | | | DS | | 1.50 | (60.00') Poorly graded SAND (SP); mostly fine-coarse grained sand, trace coarse gravel, trace clay, loose, saturated, gray | 0 | | 60 | | |
| 65 | | | | | | (65.00') Poorly graded SAND with silt and gravel (SP-SM); little fine-coarse gravel, dense, saturated, brown | 0 | | 65 | | |
| 70 | | | | | | (70.00') Boring terminated | 0 | | 70 | | |
| 75 | | | | | | | | | 75 | | |
| 80 | | | | | | | | | 80 | | |
| NOTES: | | | | | | | | | | | |

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| <div> <div>vEktor consultants</div> </div> | Client: 2201 Union LLC | PRELIMINARYBORING LOG |
| | Project: 450 Union | Boring No. DB-3 |
| | Address: 450 Union Street, Brooklyn, NY | Page: 1 of 4 |

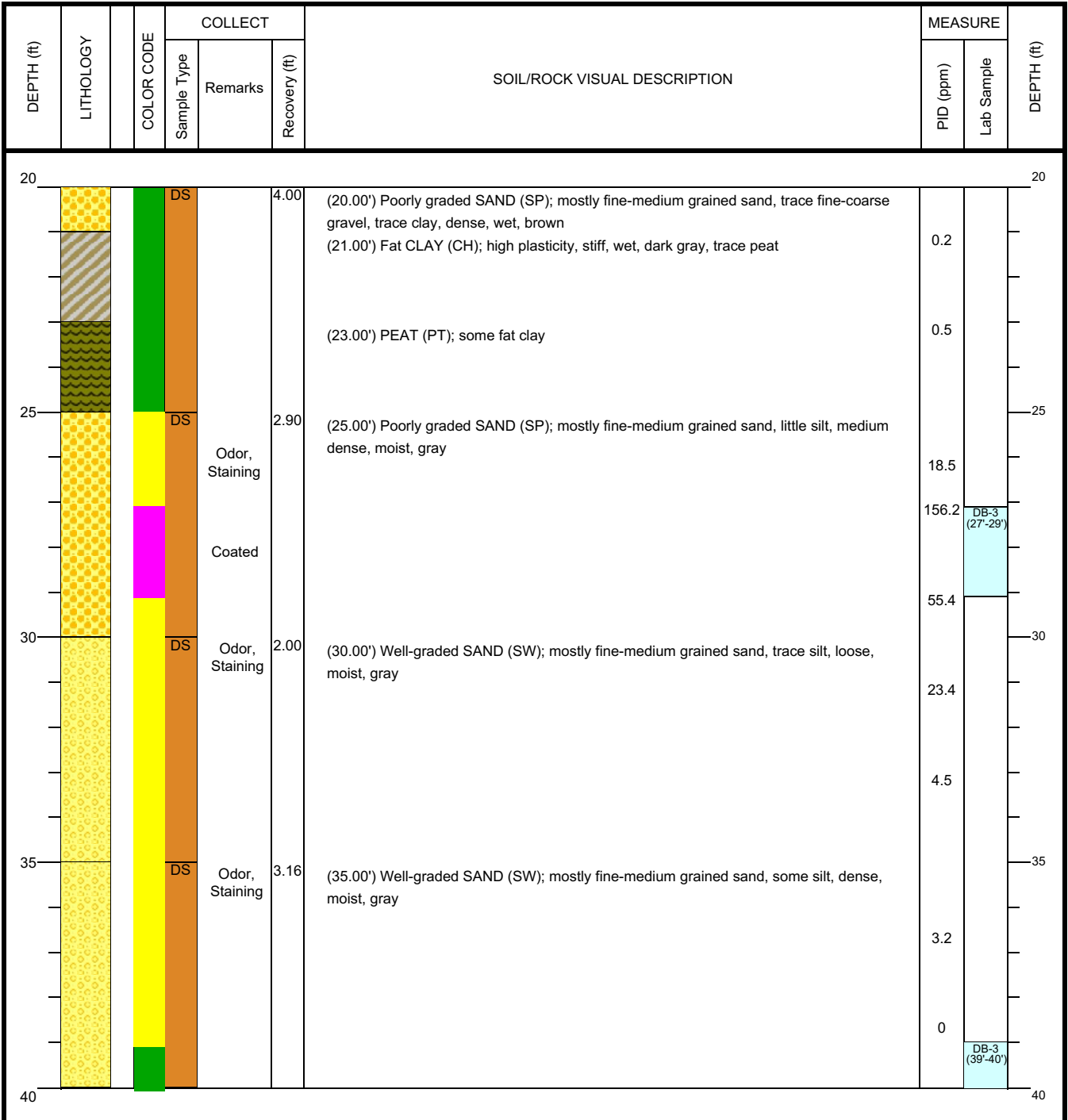
| | |
|--|--|
| Drilling Start Date: 6/13/2023 | Boring Depth (ft): 70 |
| Drilling End Date: 6/13/2023 | Boring Diameter (in): 4.00 |
| Drilling Company: Costal Environmental Solutions | Sampling Method(s): DS - Dedicated Plastic Sonic Sleeve, |
| Drilling Method: Sonic | Location (Lat, Long): 40.67937, -73.98887 |
| Drilling Equipment: CRS XL 140 DUO | |
| Driller: Patrick Slavin | |
| Logged By: Peter Rathsack | |




NOTES:

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|  | Client: | 2201 Union LLC | PRELIMINARY BORING LOG Boring No. DB-3 Page: 2 of 4 |
| | Project: | 450 Union | |
| | Address: | 450 Union Street, Brooklyn, NY | |

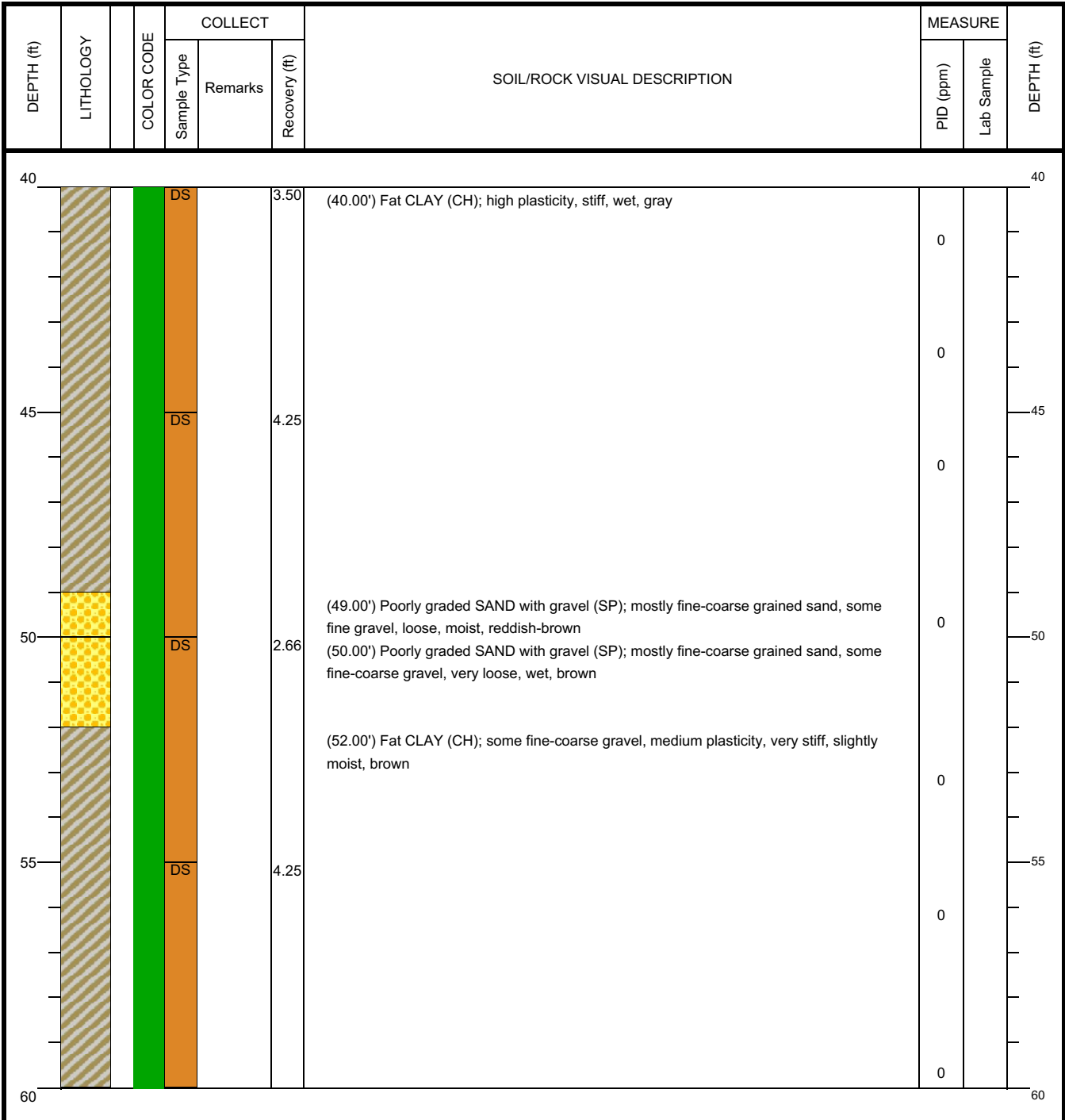
| | |
|--|--|
| Drilling Start Date: 6/13/2023 Drilling End Date: 6/13/2023 Drilling Company: Costal Environmental Solutions Drilling Method: Sonic Drilling Equipment: CRS XL 140 DUO Driller: Patrick Slavin Logged By: Peter Rathsack | Boring Depth (ft): 70 Boring Diameter (in): 4.00 Sampling Method(s): DS - Dedicated Plastic Sonic Sleeve Location (Lat, Long): 40.67937, -73.9888 |
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NOTES:

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|---|----------|--------------------------------|--|
|  | Client: | 2201 Union LLC | PRELIMINARY BORING LOG Boring No. DB-3 Page: 3 of 4 |
| | Project: | 450 Union | |
| | Address: | 450 Union Street, Brooklyn, NY | |

| | |
|--|---|
| Drilling Start Date: 6/13/2023 Drilling End Date: 6/13/2023 Drilling Company: Costal Environmental Solutions Drilling Method: Sonic Drilling Equipment: CRS XL 140 DUO Driller: Patrick Slavin Logged By: Peter Rathsack | Boring Depth (ft): 70 Boring Diameter (in): 4.00 Sampling Method(s): DS - Dedicated Plastic Sonic Sleeve Location (Lat, Long): 40,67937, -73.98887 |
|--|---|



NOTES:

| | | | | | |
|--------------------|----------|--------------------------------|-----------------------|------------|--------|
| vEktor consultants | Client: | 2201 Union LLC | PRELIMINARYBORING LOG | | |
| | Project: | 450 Union | | Boring No. | DB-3 |
| | Address: | 450 Union Street, Brooklyn, NY | | Page: | 4 of 4 |

| | |
|--|--|
| Drilling Start Date: 6/13/2023 Drilling End Date: 6/13/2023 Drilling Company: Costal Environmental Solutions Drilling Method: Sonic Drilling Equipment: CRS XL 140 DUO Driller: Patrick Slavin Logged By: Peter Rathsack | Boring Depth (ft): 70 Boring Diameter (in): 4.00 Sampling Method(s): DS - Dedicated Plastic Sonic Sleeve, Location (Lat, Long): 40.67937, -73.98887 |
|--|--|

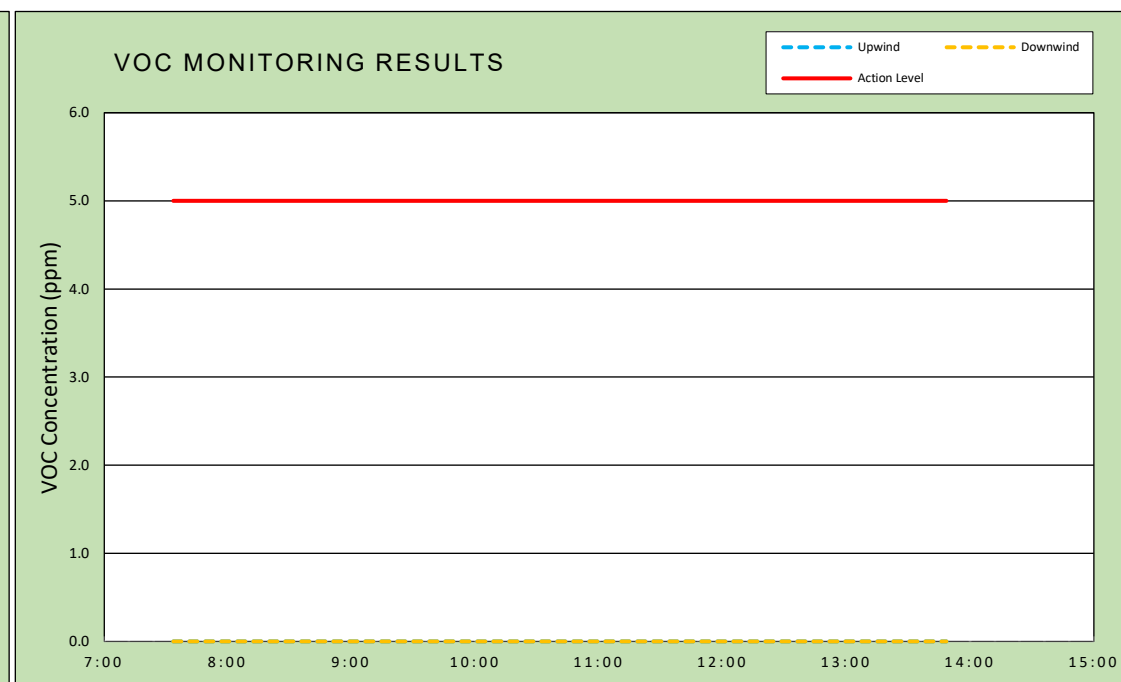
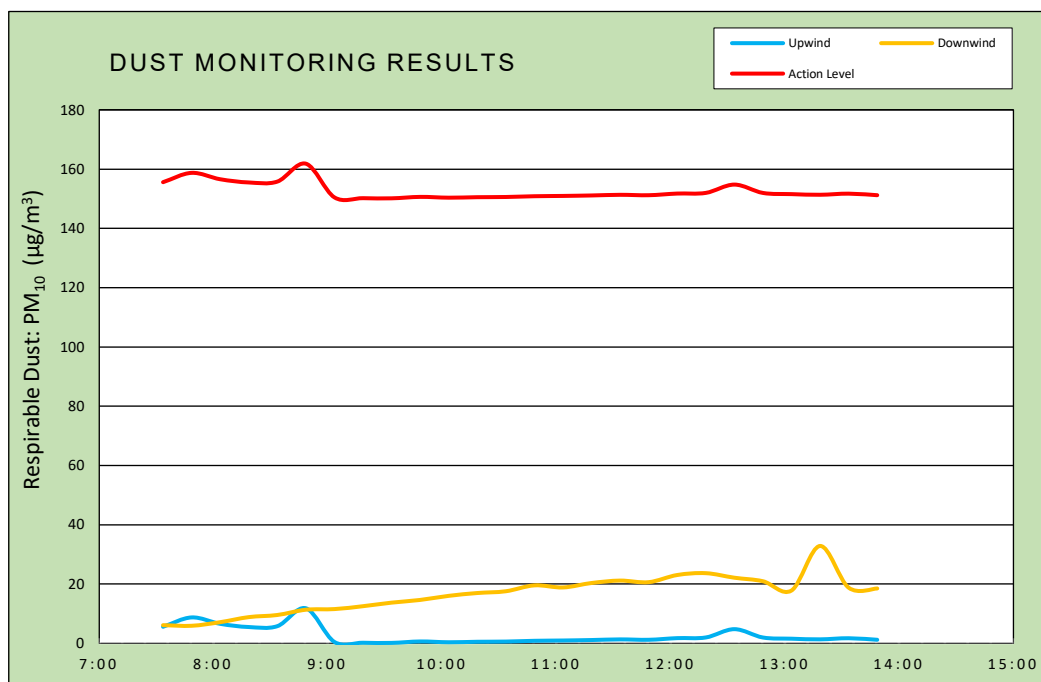
| DEPTH (ft) | LITHOLOGY | COLOR CODE | COLLECT | | | SOIL/ROCK VISUAL DESCRIPTION | MEASURE | | DEPTH (ft) |
|------------|-----------|------------|-------------|---------|---------------|--|-----------|------------|------------|
| | | | Sample Type | Remarks | Recovery (ft) | | PID (ppm) | Lab Sample | |
| 60 | | | | | | (60.00') No Recovery | | | 60 |
| 65 | | | | | | | | | 65 |
| 70 | | | | | | (70.00') No Recovery (70.00') Boring terminated | | | 70 |
| 75 | | | | | | | | | 75 |
| 80 | | | | | | | | | 80 |

NOTES:

| | | | | | | | |
|---|--|--|--|--|--|-------------------|------------------------------|
| vEktor consultants | DAILY AIR MONITORING REPORT 450 Union Street Brooklyn, New York | | | | | 06/13/2023 | |
| | | | | | | Rev. No. 0 | Page 1 of 2 |
| | | | | | | Project Number: | |
| | | | | | | Dust Action Level | 150 $\mu\text{g}/\text{m}^3$ |
| 37 W. 37th St, 6th Floor - New York, NY | | | | | | VOC Action Level | 5 ppm |

| | | | | | | | | |
|---------------------------------|-------------|------------------|-----------|-----------------------|---------------|--------------------------|------|--|
| Weather Data Range for Work Day | | Wind Direction | WNW | Relative Humidity (%) | 42.0 - 80.0 | Daily Rain Total (in) | 0.00 | Readings in the summary table and graphs below are the reported downwind concentrations. |
| Temperature (°F) | 64.0 - 78.0 | Wind Speed (MPH) | 2.3 - 5.0 | Barometer (inHg) | 29.70 - 29.70 | Avg. Dew Point Temp (°F) | 56.6 | |

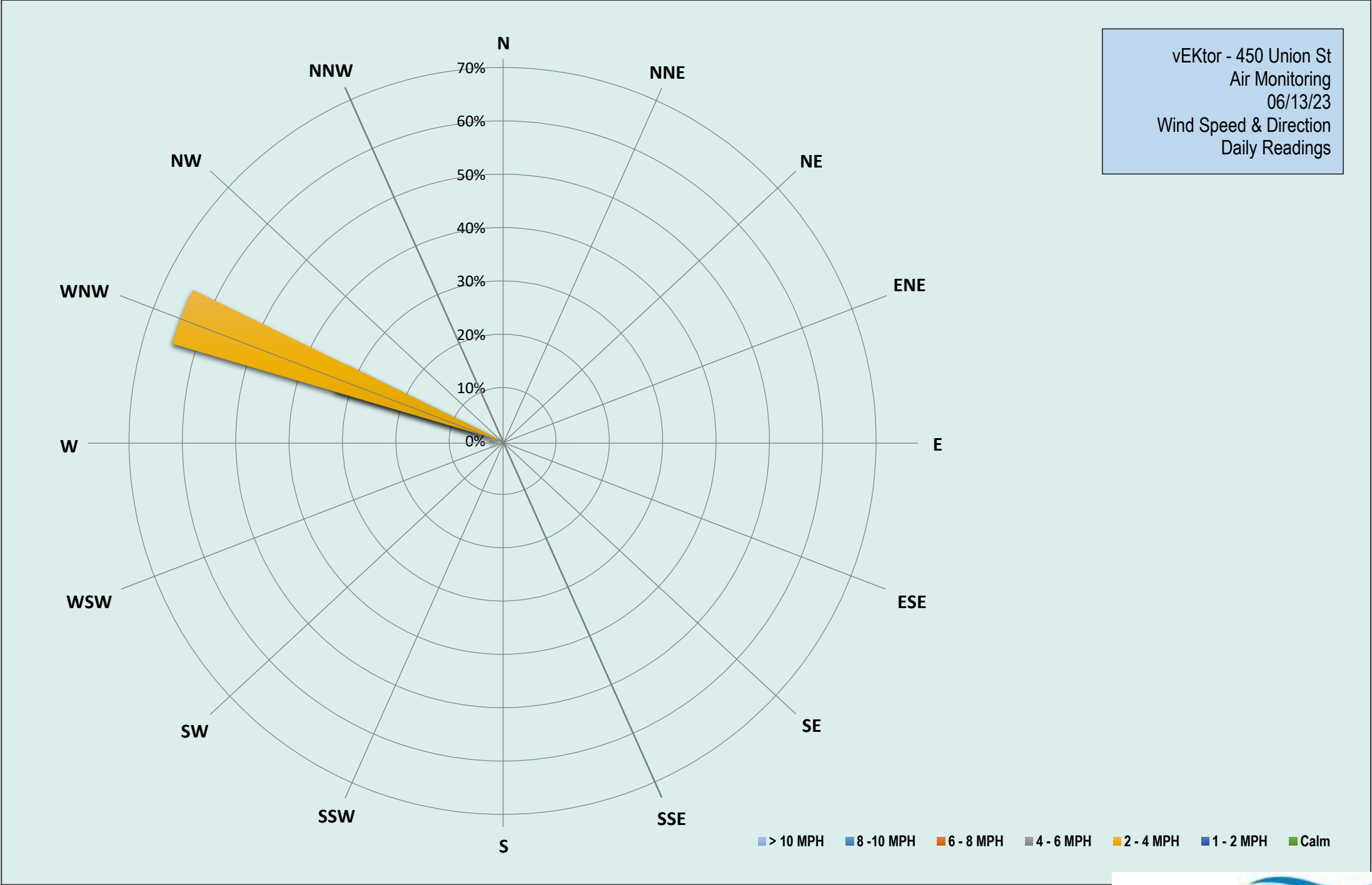
| Station Location | Daily Avg. Dust Concentration ($\mu\text{g}/\text{m}^3$) | Max 15-Min Dust Concentration ($\mu\text{g}/\text{m}^3$) | Time of Max Dust Reading | Daily Avg. VOC Concentration (ppm) | Max 15-Min VOC Concentration (ppm) | Time of Max VOC Reading |
|------------------|--|--|--------------------------|------------------------------------|------------------------------------|-------------------------|
| Upwind | 2.6 | 12.8 | 8:45 | 0.0 | 0.0 | 7:20 |
| Downwind | 16.9 | 33.7 | 13:22 | 0.0 | 0.0 | 7:20 |



Air Monitoring Notes:

Weather Notes:

vEKtor - 450 Union St
Air Monitoring
06/13/23
Wind Speed & Direction
Daily Readings



| Tuesday, June 13, 2023 | | | | |
|---|---|----------|---|---------------------------------------|
| Number of Instances Where Downwind Particulates | | | | 0 |
| Number of Comparable Data Points = | | | | 26 |
| Start Time: | | | | 7:34 |
| End Time: | | | | 13:49 |
| PARTICULATE DATA | | | | |
| Upwind | | Downwind | | Exceeds Particulate Alarm Limit |
| Time | 15-Min Avg Concentration (ug/m ³) | Time | 15-Min Avg Concentration (ug/m ³) | |
| 7:34 | 5.6 | 7:34 | 6.1 | - |
| 7:49 | 8.7 | 7:49 | 5.9 | - |
| 8:04 | 6.6 | 8:04 | 7.1 | - |
| 8:19 | 5.5 | 8:19 | 8.8 | - |
| 8:34 | 5.8 | 8:34 | 9.6 | - |
| 8:49 | 11.8 | 8:49 | 11.3 | - |
| 9:04 | 0.5 | 9:04 | 11.6 | - |
| 9:19 | 0.2 | 9:19 | 12.5 | - |
| 9:34 | 0.1 | 9:34 | 13.7 | - |
| 9:49 | 0.6 | 9:49 | 14.6 | - |
| 10:04 | 0.4 | 10:04 | 16.0 | - |
| 10:19 | 0.5 | 10:19 | 17.0 | - |
| 10:34 | 0.6 | 10:34 | 17.6 | - |
| 10:49 | 0.9 | 10:49 | 19.6 | - |
| 11:04 | 1.0 | 11:04 | 18.9 | - |
| 11:19 | 1.1 | 11:19 | 20.4 | - |
| 11:34 | 1.3 | 11:34 | 21.2 | - |
| 11:49 | 1.2 | 11:49 | 20.6 | - |
| 12:04 | 1.8 | 12:04 | 23.1 | - |
| 12:19 | 2.0 | 12:19 | 23.7 | - |
| 12:34 | 4.8 | 12:34 | 22.1 | - |
| 12:49 | 2.0 | 12:49 | 20.9 | - |
| 13:04 | 1.6 | 13:04 | 17.8 | - |
| 13:19 | 1.3 | 13:19 | 32.9 | - |
| 13:34 | 1.7 | 13:34 | 18.8 | - |
| 13:49 | 1.2 | 13:49 | 18.5 | - |

Exceedance
Level

155.6
158.7
156.6
155.5
155.8
161.8
150.5
150.2
150.1
150.6
150.4
150.5
150.6
150.9
151.0
151.1
151.3
151.2
151.8
152.0
154.8
152.0
151.6
151.3
151.7
151.2

| Upwind DustTrak Data Summary | | |
|------------------------------|------|-------------------|
| Daily Maximum | 81.6 | ug/m ³ |
| Daily Minimum | 0.0 | ug/m ³ |
| Daily Average | 2.6 | ug/m ³ |
| Maximum 15-Minute Average | 11.8 | ug/m ³ |

| Downwind DustTrak Data Summary | | |
|--------------------------------|-------|-------------------|
| Daily Maximum | 159.5 | ug/m ³ |
| Daily Minimum | 4.7 | ug/m ³ |
| Daily Average | 16.9 | ug/m ³ |
| Maximum 15-Minute Average | 32.9 | ug/m ³ |

| | | | | |
|---|--------------------------------|----------|--------------------------------|-------------------------|
| Tuesday, June 13, 2023 | | | | |
| Number of Instances Where Downwind VOCs Exceeds | | | | 0 |
| Number of Comparable Data Points = | | | | 0 |
| Start Time: | | | | 7:34 |
| End Time: | | | | 13:49 |
| PID DATA | | | | |
| Upwind | | Downwind | | Exceeds VOC Alarm Limit |
| Time | 15-Min Avg Concentration (ppm) | Time | 15-Min Avg Concentration (ppm) | |
| 7:34 | 0.0 | 7:34 | 0.0 | - |
| 7:49 | 0.0 | 7:49 | 0.0 | - |
| 8:04 | 0.0 | 8:04 | 0.0 | - |
| 8:19 | 0.0 | 8:19 | 0.0 | - |
| 8:34 | 0.0 | 8:34 | 0.0 | - |
| 8:49 | 0.0 | 8:49 | 0.0 | - |
| 9:04 | 0.0 | 9:04 | 0.0 | - |
| 9:19 | 0.0 | 9:19 | 0.0 | - |
| 9:34 | 0.0 | 9:34 | 0.0 | - |
| 9:49 | 0.0 | 9:49 | 0.0 | - |
| 10:04 | 0.0 | 10:04 | 0.0 | - |
| 10:19 | 0.0 | 10:19 | 0.0 | - |
| 10:34 | 0.0 | 10:34 | 0.0 | - |
| 10:49 | 0.0 | 10:49 | 0.0 | - |
| 11:04 | 0.0 | 11:04 | 0.0 | - |
| 11:19 | 0.0 | 11:19 | 0.0 | - |
| 11:34 | 0.0 | 11:34 | 0.0 | - |
| 11:49 | 0.0 | 11:49 | 0.0 | - |
| 12:04 | 0.0 | 12:04 | 0.0 | - |
| 12:19 | 0.0 | 12:19 | 0.0 | - |
| 12:34 | 0.0 | 12:34 | 0.0 | - |
| 12:49 | 0.0 | 12:49 | 0.0 | - |
| 13:04 | 0.0 | 13:04 | 0.0 | - |
| 13:19 | 0.0 | 13:19 | 0.0 | - |
| 13:34 | 0.0 | 13:34 | 0.0 | - |
| 13:49 | 0.0 | 13:49 | 0.0 | - |