

| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 24   |
| Recovery (inches)   | 20   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Top 36" concrete<br>12" pulverized concrete<br>8" black sand fill with trace silt and gravel |
| Notes   |  |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 12   |
| Recovery (inches)   | 12   |
| Depth (feet)  | 10   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Wet black fill sand with trace silt and gravel. Refusal at 6' second layer of concrete present |
| Notes   |  |

## Boring Log

Record: 421

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-25                        |
| Start Time         | 15:21:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 15:22:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | Ws-aoc12e-so-6                    |
| Boring Photo       |                                   |



### Notes

3 samples  
1b for etph pahs

| Samples   |                              |
|---|------------------------------|
| Depth   | 5                            |
| Penetration (inches)  | 60                           |
| Recovery (inches)   | 30                           |
| Depth (feet)  | 5                            |
| PID (ppmv)  | 0                            |
| Sample Description & Classification (Modified<br>Burmister) | 0-5 fco asphalt and concrete |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 36  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-7 fco medium dense wet brown silty MEDIUM FINE SAND<br>7-10 fco medium dense wet grey medium sandy SILT |

## Boring Log

### Record: 1171

|                    |   |
|--------------------|---|
| Boring Company     | Technical Drilling Services, Inc.             |
| Foreman            | Timothy Schiavone                             |
| W&S Representative | Tim Schiavone                                 |
| Start Date         | 2017-07-25                                    |
| Start Time         | 14:00:00                                      |
| End Date           | 2017-07-25                                    |
| End Time           | 02:15:00                                      |
| Project Name       | UI-English Station                            |
| Project Number     | 2170495                                       |
| AOC Number         | AOC-12E                                       |
| Boring Number      | 7   |
| Completion Depth   | 10  |
| Notes              | Sample for PCBs<br>0.5-1'<br>1.5-2'<br>5-5.5' |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 35  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 1" asphalt<br>1' concrete<br>Moist brown to black fill consisting of coarse sand with some gravel. Coal ash present.<br>3-5' fill consisting of moist dark gray fine sand Utah some silt and trace clay/organics. |

### Samples

|   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 42   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Wet black fill with fine sand and trace silt and gravel. |



## Boring Log

### Record: 1177

|                    |   |
|--------------------|---|
| Boring Company     | Technical Drilling Services, Inc.                                 |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Tim Schiavone   |
| Start Date         | 2017-07-25  |
| Start Time         | 14:00:00  |
| End Date           | 2017-07-25  |
| End Time           | 02:15:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12E   |
| Boring Number      | 8   |
| Completion Depth   | 10  |
| Notes              | Sample:<br>-1A: 0.5-1'<br>-1B: 1-1.5'<br>-2: 1.5-2'<br>-3: 5-5.5' |

### Samples


|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 32  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 1" asphalt<br>1' concrete<br>Moist brown to black fill consisting of coarse sand with some gravel. Coal ash present.<br>3.5-5' fill consisting of moist dark gray fine sand Utah some silt and trace clay/organics. |

### Samples

|   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 37   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Wet black fill with fine sand and trace silt and gravel. |

## Boring Log

Record: 418

|                    |   |
|--------------------|---|
| Boring Company     | Technical Drilling Services, Inc.   |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Chris Berthiaume  |
| Start Date         | 2017-07-25  |
| Start Time         | 15:48:00  |
| End Date           | 2017-07-25  |
| End Time           | 15:48:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12E   |
| Boring Number      | Ws-aoc12e-so-9  |
| Boring Photo       |  |
| Notes              |   |

Cored about 3 ft of concrete

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 27   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-3 fco concrete<br>3-5 fco loose moist orange medium sandy brown MEDIUM COARSE SAND |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 27  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-6 fco loose moist brown MEDIUM SAND<br>6-8 fco loose wet brown fine sandy SILT<br>8-10 fco medium dense wet grey SILT |

## Boring Log

Record: 403

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-25                        |
| Start Time         | 11:59:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 11:59:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | Ws-aoc12e-so-10                   |
| Boring Photo       |                                   |



### Notes

3 samples  
Dup-23 on #1  
Cored top foot of concrete

| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 45  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-1.5 fco concrete and asphalt<br>1.5-3.5 fco loose dry black COARSE SAND<br>3.5-5 fco dense moist dark grey CLAY |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 36  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fco loose wet dark grey silty GRAVEL |

## Boring Log

Record: 400

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-25                        |
| Start Time         | 11:47:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 11:47:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | Ws-aoc-12e-so-11                  |
| Boring Photo       |                                   |



|       |   |
|-------|---|
| Notes | <p>3 samples<br/> 1a for pcbs<br/> 1b for pah and etph</p> <p>Cored top 1 ft of concrete<br/> Refusal at 4.5 ft</p> |
|-------|---|

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 24   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-3.5 fco concrete and asphalt<br>3.5-4.5 fco brick and concrete |



## Boring Log

Record: 373

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-25                        |
| Start Time         | 15:19:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 15:28:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 12                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 41   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-1.2 fill consisting of CONCRETE; 1.5-5.0 fill consisting of medium SAND, little gravel. |
| Notes   | Sample 0.5-1.0 pcbs; 1.0-1.5 etph; 1.5-2.0 pcbs  |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 50   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fill consisting of saturated, medium brown SAND and gravel. |
| Notes   | Sample 5-5.5 pcbs  |



## Boring Log

Record: 370

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-25                        |
| Start Time         | 15:00:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 15:11:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 13                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



### Notes

Concrete refusal at 5

| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 45  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 concrete; 0.5-4.8 fill consisting of medium SAND, little gravel; 4.8-5.0 CONCRETE |
| Notes   | Sample 0.5-1.0 pcbs; 1.5-2.0 pcbs; 4.5-5.0 pcbs   |

## Boring Log

Record: 391

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-25                        |
| Start Time         | 11:06:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 11:06:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | Ws-aoc12e-so-14                   |
| Boring Photo       |                                   |



|       |  |
|-------|--|
| Notes | <p>3 samples</p> <p>Dup-22 at sample 1 for pcbs only</p> <p>Cored top foot of concrete</p> |
|-------|--|

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 33  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | <p>0-1 fco concrete pad</p> <p>1-4 fco concrete, asphalt</p> <p>4-5 fco loose moist orange medium sandy grey SILT</p> |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 39  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-7 fco loose wet brown GRAVEL<br>7-10 fco medium dense brown fine sandy SILT |

## Boring Log

Record: 397

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-25                        |
| Start Time         | 11:31:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 11:31:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | Ws-aoc12e-so-15                   |
| Boring Photo       |                                   |



|       |  |
|-------|--|
| Notes | 3 samples<br>#1 pcb ms/msd<br>Cored top foot of concrete |
|-------|--|

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 33   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-1 fco concrete pad<br>1-3.5 fco concrete, asphalt<br>3.5-5 fco loose moist grey SILT |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 36   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-6 fco medium dense dark brown wet fine sandy SILT<br>6-10 fco loose wet dark grey GRAVEL |



## Boring Log

Record: 367

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-25                        |
| Start Time         | 14:00:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 14:17:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 16                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 28   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 concrete; 0.5-5.0 fill consisting of medium SAND, little gravel. |
| Notes   | Sample 0.5-1.5 pcbs, etph; 1.5-2.5 pcbs                                |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 30   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fill consisting of saturated, medium brown SAND and gravel. |
| Notes   | Sample 5-5.5 pcbs  |



## Boring Log

Record: 778

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins Envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-05         |
| Start Time         | 12:44:00           |
| End Date           | 2017-09-05         |
| End Time           | 13:33:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-12E            |
| Boring Number      | 17                 |
| Boring Photo       |                    |



| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 35  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-2' concrete; 2-4' fill consisting of coal ash and medium SAND; 4-5' fill consisting of wet, brown, medium SAND little gravel. |
| Notes   | Sample 0.5-2.0 pcbs, etph; 2.0-3.0 pcbs   |

| Samples   |                                       |
|---|---------------------------------------|
| Depth   | 10                                    |
| Penetration (inches)  | 60                                    |
| Recovery (inches)   | 24                                    |
| Depth (feet)  | 10                                    |
| PID (ppmv)  | 0                                     |
| Sample Description & Classification (Modified<br>Burmister) | Fill consisting of medium, brown SAND |
| Notes   | Sample 5-6 pcbs                       |

## Boring Log

Record: 1174

|                               |   |
|-------------------------------|---|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i>                                      |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>  |
| <b>W&amp;S Representative</b> | <i>Tim Schiavone</i>  |
| <b>Start Date</b>             | <i>2017-07-25</i>   |
| <b>Start Time</b>             | <i>15:06:00</i>   |
| <b>End Date</b>               | <i>2017-07-25</i>   |
| <b>End Time</b>               | <i>15:20:00</i>   |
| <b>Project Name</b>           | <i>UI-English Station</i>   |
| <b>Project Number</b>         | <i>2170495</i>  |
| <b>AOC Number</b>             | <i>AOC-12E</i>  |
| <b>Boring Number</b>          | <i>18</i>   |
| <b>Notes</b>                  | <i>Sample:</i><br><i>-1: 0.5-1'</i><br><i>-2: 1.5-2'</i><br><i>-3: 4.5-5'</i> |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>5</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>32</i>  |
| <b>Depth (feet)</b>   | <i>5</i>   |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>1" asphalt, 8" concrete</i><br><i>Fill consisting of moist black to brown with medium sand, trace silt and gravel.</i><br><i>Concrete refusal at 5'</i> |

## Boring Log

Record: 388

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-25                        |
| Start Time         | 11:06:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 11:06:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | Ws-aoc12e-so-19                   |
| Boring Photo       |                                   |



### Notes

3 samples  
 Pahs etph pcbs at sample 1  
 Cored top foot of concrete

| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 39   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-1 fco concrete pad<br>1-3.5 fco concrete, asphalt<br>3.5-5 fco loose moist orange medium sandy grey SILT |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 48   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-6.5 fco medium dense wet brown SILT<br>6.5-8 fco loose wet brown MEDIUM FINE SAND<br>8-10 fco medium dense brown fine sandy SILT |

## Boring Log

Record: 394

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-25                        |
| Start Time         | 11:20:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 11:20:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | Ws-aoc12e-so-20                   |
| Boring Photo       |                                   |



|       |   |
|-------|---|
| Notes | 3 samples<br>Cored top foot of concrete |
|-------|---|

| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 12   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-1 fco concrete pad<br>1-4 fco concrete, asphalt<br>4-5 fco loose moist grey SILT |

| Samples   |                                     |
|---|-------------------------------------|
| Depth   | 10                                  |
| Penetration (inches)  | 60                                  |
| Recovery (inches)   | 33                                  |
| Depth (feet)  | 5                                   |
| PID (ppmv)  | 0                                   |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fco loose wet dark grey GRAVEL |

## Boring Log

### Record: 904

|                    |   |
|--------------------|---|
| Boring Company     | Cummins EnviroTech  |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Tim Schiavone   |
| Start Date         | 2017-09-05  |
| Start Time         | 14:00:00  |
| End Date           | 2017-09-05  |
| End Time           | 15:00:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12E   |
| Boring Number      | 21  |
| Completion Depth   | 10  |
| Notes              | Offset<br>52-1: 1-1.5'<br>52-2: 1.5-2.5'<br>53-3:<br>Refusal at 5.5' no 3rd "deep" sample collected |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 54  |
| Recovery (inches)   | 18  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 2" asphalt<br>4" concrete<br>Moist black fill with coarse sand and gravel. Trace pulverized concrete. |

### Samples

|   |     |
|---|-----|
| Depth   | 5.5 |
| Penetration (inches)  | 6   |
| Recovery (inches)   | 0   |
| Depth (feet)  | 5.5 |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) |     |



## Boring Log

Record: 412

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-25                        |
| Start Time         | 14:12:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 14:12:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 22                                |
| Boring Photo       |                                   |



### Notes

Cored 1 ft into concrete  
3 samples  
#1b etph

| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 30   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-3 fco cement and granulated coal<br>3-5 fco loose dry orange MEDIUM SAND |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 45  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-6.5 fco loose moist brown MEDIUM SAND<br>6.5-10 fco medium dense grey CLAY with some gravel |

## Boring Log

Record: 1087

|                    |  |
|--------------------|--|
| Boring Company     | Technical Drilling Services, Inc.                      |
| Foreman            | Timothy Schiavone                                      |
| W&S Representative | Chris Berthiaume                                       |
| Start Date         | 2017-07-25   |
| Start Time         | 10:00:00   |
| End Date           | 2017-07-25   |
| End Time           | 10:00:00   |
| Project Name       | UI-English Station                                     |
| Project Number     | 2170495  |
| AOC Number         | AOC-12E  |
| Boring Number      | Ws-aoc12e-so-23  |
| Notes              | 3 samples<br>Ms/msd on 1<br>Cored top foot of concrete |

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 45   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-1.5 fco concrete pad<br>1.5-4.5 fco concrete, asphalt<br>4.5-5 loose moist orange medium sandy grey SILT |

### Samples

|   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 52   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-8 fco loose wet brown silty MEDIUM SAND<br>8-10 fco medium dense brown fine sandy SILT |

## Boring Log

Record: 787

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-05         |
| Start Time         | 13:40:00           |
| End Date           | 2017-09-05         |
| End Time           | 13:53:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-12E            |
| Boring Number      | 25                 |
| Boring Photo       |                    |




| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 42   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-3.0 fill consisting of medium, brown SAND and coarse gravel; 3-5 fill consisting of medium, brown SAND, damp at 4-5 |
| Notes   | Sample 0.5-1.5 pcbs, 1.5-2.5 pcbs, etph  |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 24   |
| Depth (feet)  | 10   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Fill consisting of medium, brown, damp SAND little gravel. |
| Notes   | Sample 5-6 pcbs  |

## Boring Log

Record: 406

|                    |   |
|--------------------|---|
| Boring Company     | Technical Drilling Services, Inc.   |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Chris Berthiaume  |
| Start Date         | 2017-07-25  |
| Start Time         | 14:06:00  |
| End Date           | 2017-07-25  |
| End Time           | 14:06:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12E   |
| Boring Number      | Ws-aoc12e-so-26   |
| Boring Photo       |  |
| Notes              |   |

3 samples  
#1b etph pah  
Cored top foot of concrete

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 45   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-2.5 fco concrete and asphalt<br>2.5-5 fco loose dry brown MEDIUM FINE SAND |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 30  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-7.5 fco loose wet brown MEDIUM FINE SAND<br>7.5-10 fco medium dense wet grey silty CLAY |

## Boring Log

Record: 325

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-24                        |
| Start Time         | 10:32:00                          |
| End Date           | 2017-07-24                        |
| End Time           | 10:32:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 27                                |
| Boring Photo       |                                   |



Notes

3 pcb samples



| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 48   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-3.5 fco asphalt and concrete<br>3.5-5 fco medium dense dry brown silty MEDIUM SAND |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 48   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-8 fco loose wet brown silty GRAVEL<br>8-10 medium dense wet black CLAY |

## Boring Log

Record: 343

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-25                        |
| Start Time         | 09:33:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 09:54:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 28                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



### Notes

Refusal at 4.5 shortened sampling depth

| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 54  |
| Recovery (inches)   | 42  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-1.2 fill consisting of CONCRETE; 1.2-4.0 fill consisting of medium, dark brown SAND little<br>gravel; 4.0-4.5 fill consisting of coarse, red-brown SAND. |
| Notes   | Sample 1.2-2.0 pcbs; 2.0-2.5 pcbs; 4.0-4.5 pcbs Little recovery before 1.2 foot due to concrete coring  |

## Boring Log

Record: 376

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-25                        |
| Start Time         | 09:45:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 09:45:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 29                                |
| Boring Photo       |                                   |



|       |   |
|-------|---|
| Notes | 3 samples<br>Sample 1 etph pah pcb with dup-21a and dup-21b<br>Cored top foot of concrete |
|-------|---|

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 30   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-1.5 fco concrete pad<br>1.5-4 fco concrete, asphalt<br>4-5 fco loose moist orange medium sandy grey SILT |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 18   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-7 fco loose wet brown silty MEDIUM SAND<br>7-10 fco medium dense brown fine sandy SILT |

## Boring Log

Record: 415

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-25                        |
| Start Time         | 15:02:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 15:02:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | Ws-aoc12e-so-30                   |
| Boring Photo       |                                   |



|       |  |
|-------|--|
| Notes | 3 samples<br>#2b for etph pahs with ms/msd |
|-------|--|

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 51   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-4 fco concrete, granulated coal and asphalt<br>4-5 fco loose dry orange silty MEDIUM FINE SAND |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 42  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-7.5 medium dense wet brown grey fine sandy SILT<br>7.5-10 medium dense wet red brown SILT with some fine sand |

## Boring Log

Record: 322

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-24                        |
| Start Time         | 10:03:00                          |
| End Date           | 2017-07-24                        |
| End Time           | 10:03:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 31                                |
| Boring Photo       |                                   |



|       |  |
|-------|--|
| Notes | <p>4 pcb samples</p> <p>Sample 2 includes pcbs pahs etph with ms/msd for all three</p> <p>Offset 4 ft north due to surface concrete structure at proposed location</p> |
|-------|--|



| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 30  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-1 fco loose dry dark brown MEDIUM SAND<br>1-2.5 fco loose dry red-brown MEDIUM SAND<br>2.5-4 fco granulated coal<br>4-5 fco medium dense dry grey tan silty COARSE SAND |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 24   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-8 fco loose wet black silty GRAVEL<br>8-10 medium dense wet black CLAY |

## Boring Log

Record: 409

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-25                        |
| Start Time         | 13:37:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 13:37:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | Ws-aoc12e-so-32                   |
| Boring Photo       |                                   |



|       |   |
|-------|---|
| Notes | 3 samples<br>#1b etph<br>Cored top foot of concrete |
|-------|---|

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 30  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-1.5 fco concrete and asphalt<br>1.5-3.5 fco granulated coal<br>3.5-5 fco loose dry orange MEDIUM SAND |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 40   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-7 fco loose wet brown orange silty MEDIUM SAND<br>7-10 fco medium dense dark grey silty GRAVEL |

## Boring Log

Record: 364

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-25                        |
| Start Time         | 11:30:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 11:55:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 33                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 45   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-1.0 fill consisting of medium SAND; 1.0-2.0 fill consisting of CONCRETE; 2.0-5.0 medium,<br>dark brown SAND little gravel, little brick |
| Notes   | Sample 0.5-1 pcbs; 1.5-2.0 pcbs;   |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 41   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fill consisting of saturated, medium brown SAND and coarse gravel |
| Notes   | Sample 5-5.5 pcbs  |

## Boring Log

Record: 340

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-25                        |
| Start Time         | 09:33:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 09:54:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 34                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 45  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-1.0 fill consisting of CONCRETE; 1.0-5.0 fill consisting of medium, dark brown SAND little gravel, little concrete, little brick |
| Notes   | Sample 1.0-1.5 pcbs; 1.5-2.0 pcbs. Little recovery before 1 foot due to concrete coring   |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 50  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-7 fill consisting of damp, dark brown, coarse SAND and gravel; 7-10 fill consisting of saturated, medium brown SAND and coarse gravel |
| Notes   | Sample 5-5.5 pcbs   |

## Boring Log

Record: 781

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-05         |
| Start Time         | 13:40:00           |
| End Date           | 2017-09-05         |
| End Time           | 13:53:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-12E            |
| Boring Number      | 35                 |
| Boring Photo       |                    |






| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 42   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-3.0 fill consisting of medium, brown SAND and coarse gravel; 3-5 fill consisting of medium, brown SAND, damp at 4-5 |
| Notes   | Sample 0.5-1.5 pcbs, etph; 1.5-2.5 pcbs, pah   |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 24   |
| Depth (feet)  | 10   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Fill consisting of medium, brown, damp SAND little gravel. |
| Notes   | Sample 5-6 pcbs  |

## Boring Log

Record: 361

|                    |   |
|--------------------|---|
| Boring Company     | Technical Drilling Services, Inc.   |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Will Sirotnak   |
| Start Date         | 2017-07-25  |
| Start Time         | 11:30:00  |
| End Date           | 2017-07-25  |
| End Time           | 11:46:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12E   |
| Boring Number      | 36  |
| Completion Depth   | 10  |
| Boring Photo       |  |

| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 45  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-1.2 fill consisting of CONCRETE; 1.2-5.0 fill consisting of medium, dark brown SAND little<br>gravel, little brick |
| Notes   | Sample 0.5-1 pcbs; 1.5-2.0 pcbs; 2.0-3.0 etph   |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 53   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fill consisting of saturated, medium brown SAND and coarse gravel |
| Notes   | Sample 5-5.5 pcbs  |

## Boring Log

### Record: 913

|                    |   |
|--------------------|---|
| Boring Company     | Cummins EnviroTech  |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Tim Schiavone   |
| Start Date         | 2017-09-06  |
| Start Time         | 09:08:00  |
| End Date           | 2017-09-05  |
| End Time           | 09:19:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12E   |
| Boring Number      | 37  |
| Completion Depth   | 10  |
| Notes              | Sample:<br>37-1: 1-1.5' PCBsETPH<br>37-2: 1.5-2.5' PCBs ETPH<br>37-3: 5-6' PCBs |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 48  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 2" asphalt<br>8" concrete<br>Moist black fill with coarse sand, trace silt and gravel. Evidence of coal ash and brick |

### Samples

|   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 48   |
| Depth (feet)  | 10   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Wet brown coarse to fine sand,,trace gravel and silt |

## Boring Log

Record: 358

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-25                        |
| Start Time         | 11:19:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 11:34:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 38                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 52  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-1.2 fill consisting of CONCRETE; 1.2-5.0 fill consisting of medium, dark brown SAND little<br>gravel, little brick |
| Notes   | Sample 0.5-1 pcbs; 1.5-2.0 pcbs   |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 53   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fill consisting of saturated, medium brown SAND and coarse gravel |
| Notes   | Sample 5-5.5 pcbs  |

## Boring Log

### Record: 916

|                    |   |
|--------------------|---|
| Boring Company     | Cummins EnviroTech  |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Tim Schiavone   |
| Start Date         | 2017-09-06  |
| Start Time         | 10:20:00  |
| End Date           | 2017-09-06  |
| End Time           | 22:45:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12E   |
| Boring Number      | 39  |
| Completion Depth   | 10  |
| Notes              | <p>Sample:</p> <p>39-1: 1-1.5'</p> <p>39-2: 1.5-2.5'</p> <p>39-3: 5-6'</p> <p>*39-3 is MS/MSD</p> |

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 40   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | <p>2" asphalt</p> <p>8" concrete</p> <p>Wet black fill with coarse sand and trace gravel and silt. Signs of coal ash and brick</p> |

### Samples

|   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 48   |
| Depth (feet)  | 10   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Wet dark brown fill with coarse sand some gravel and trace silt. Minor septic odor present |

## Boring Log

Record: 355

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-25                        |
| Start Time         | 10:44:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 11:14:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 40                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |





| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 40  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-1.0 fill consisting of CONCRETE; 1.0-5.0 fill consisting of medium, dark brown SAND little<br>gravel, little brick |
| Notes   | Sample 0.5-1 pcbs; 1.0-1.5 etph, pah; 1.5-2.0 pcbs  |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 45   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fill consisting of saturated, medium brown SAND and coarse gravel |
| Notes   | Sample 5-5.5 pcbs  |

## Boring Log

Record: 796

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-06         |
| Start Time         | 10:50:00           |
| End Date           | 2017-09-06         |
| End Time           | 10:58:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-12E            |
| Boring Number      | 41                 |
| Completion Depth   | 10                 |
| Boring Photo       |                    |



| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 52  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-3.0 fill consisting of medium, brown SAND and coarse gravel, with 8" concrete; 3-5 fill<br>consisting of medium, brown SAND, little brick, damp at 4-5 |
| Notes   | Sample 0.5-1.5 pcbs, 1.5-2.5 pcbs   |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 35  |
| Depth (feet)  | 10  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | Fill consisting of medium, brown, wet SAND little gravel. |
| Notes   | Sample 5-6 pcbs   |

## Boring Log

Record: 784

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins Envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-05         |
| Start Time         | 14:23:00           |
| End Date           | 2017-09-05         |
| End Time           | 14:52:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-12E            |
| Boring Number      | 42                 |
| Completion Depth   | 10                 |
| Boring Photo       |                    |




| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 50  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-1.0 fill consisting of CONCRETE and medium, brown SAND; 1.5-5 fill consisting of medium, brown SAND, little gravel damp at 4.5-5 |
| Notes   | Sample 0.5-1.5 pcbs; 1.5-2.5 pcbs, etph   |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 48   |
| Depth (feet)  | 10   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 Fill consisting of medium, dark brown SAND with little organic silt, little gravel and bricks |
| Notes   | Sample 5-6 pcbs plus dup 47  |

## Boring Log

Record: 277

|                    |   |
|--------------------|---|
| Boring Company     | Technical Drilling Services, Inc.   |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Will Sirotnak   |
| Start Date         | 2017-07-21  |
| Start Time         | 11:08:00  |
| End Date           | 2017-07-21  |
| End Time           | 11:20:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12E   |
| Boring Number      | 43  |
| Completion Depth   | 10  |
| Boring Photo       |  |
| Notes              |   |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 50  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-3 fill consisting of medium SAND and gravel, little concrete; 3.0-5.0 fill consisting of brown, medium to coarse Sand little gravel, damp at 4.5-5.0 |
| Notes   | Samples 0.5-1.0 pcbs plus dup 18; 1.5-2.0 pcbs  |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 52   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fill consisting of wet, dark brown, medium SAND and gravel. |
| Notes   | Sample 5-5.5 pcb   |

## Boring Log

Record: 385

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-25                        |
| Start Time         | 10:51:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 10:51:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | Ws-aoc12e-so-44                   |
| Boring Photo       |                                   |



|       |   |
|-------|---|
| Notes | 3 samples<br>Cored top foot of concrete |
|-------|---|



| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 42   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-1.5 fco concrete pad<br>1.5-4.5 fco concrete, asphalt<br>4.5-5 fco loose moist orange medium sandy grey SILT |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 45   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-6.5 fco loose wet brown silty MEDIUM SAND<br>6.5-8 fco loose wet grey fine sandy GRAVEL<br>8-10 fco medium dense brown fine sandy SILT |

## Boring Log

Record: 907

|                    |   |
|--------------------|---|
| Boring Company     | Cummins EnviroTech  |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Tim Schiavone   |
| Start Date         | 2017-09-05  |
| Start Time         | 15:00:00  |
| End Date           | 2017-09-05  |
| End Time           | 15:15:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12E   |
| Boring Number      | 45  |
| Completion Depth   | 10  |
| Notes              | Sample:<br>45-1: (1-1.5) PCBs, ETPH<br>45-2: (1.5-2.5) PCBs<br>45-3: (5-6) PCBs |

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 48   |
| Recovery (inches)   | 34   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 2" asphalt<br>10" concrete<br>Moist black fill with coarse sand, trace silt and gravel |

### Samples

|   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 52  |
| Depth (feet)  | 10  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | Wet black fill with coarse sand, trace silt and gravel. Slight septic odor. |

## Boring Log

Record: 280

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-21                        |
| Start Time         | 11:22:00                          |
| End Date           | 2017-07-21                        |
| End Time           | 11:28:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 46                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



Notes

| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 46   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-4.5 fill consisting of medium SAND and gravel, concrete; 4.5-5.0 fill consisting of damp, brown, medium to coarse Sand little gravel. |
| Notes   | Samples 0.5-1.0 pcbs; 1.5-2.0 pcbs   |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 30   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fill consisting of wet, dark brown, medium SAND and gravel. |
| Notes   | Sample 5-5.5 pcb   |

## Boring Log

Record: 349

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-25                        |
| Start Time         | 10:26:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 10:51:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 47                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



| Samples  |  |
|--|--|
| Depth  | 5  |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 48   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 0-0.5 asphalt; 0.5-1.0 fill consisting of CONCRETE; 1.0-1.2 fill consisting of CONCRETE; 1.2-5.0 fill consisting of medium, dark brown SAND little gravel. |
| Notes  | Sample 1.0-1.5 pcbs; 1.5-2.0 pcbs. 2; 0-3.0 etph, pah; Little recovery before 1 foot due to concrete   |

| Samples  |  |
|--|--|
| Depth  | 10   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 55   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 5-7 fill consisting of damp, red-brown, fine SAND and gravel; 7-10 fill consisting of saturated, medium brown SAND and coarse gravel |
| Notes  | Sample 5-5.5 pcbs  |

## Boring Log

Record: 793

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-06         |
| Start Time         | 10:50:00           |
| End Date           | 2017-09-06         |
| End Time           | 10:58:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-12E            |
| Boring Number      | 48                 |
| Completion Depth   | 10                 |
| Boring Photo       |                    |



| Samples  |  |
|--|--|
| Depth  | 5  |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 44   |
| Depth (feet)   | 5  |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 0-0.5 asphalt; 0.5-3.0 fill consisting of medium, brown SAND and coarse gravel, with 8" concrete; 3-5 fill consisting of medium, brown SAND, damp at 4-5 |
| Notes  | Sample 0.5-1.5 pcbs, 1.5-2.5 pcbs, etph  |

| Samples  |   |
|--|---|
| Depth  | 10  |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 45  |
| Depth (feet)   | 10  |
| PID (ppmv)   | 0   |
| Sample Description & Classification (Modified Burmister) | Fill consisting of medium, brown, wet SAND little gravel. |
| Notes  | Sample 5-6 pcbs   |



## Boring Log

### Record: 910

|                    |  |
|--------------------|--|
| Boring Company     | Cummins EnviroTech   |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Tim Schiavone  |
| Start Date         | 2017-09-06   |
| Start Time         | 09:08:00   |
| End Date           | 2017-09-06   |
| End Time           | 09:19:00   |
| Project Name       | UI-English Station   |
| Project Number     | 2170495  |
| AOC Number         | AOC-12E  |
| Boring Number      | 49   |
| Completion Depth   | 10   |
| Notes              | <p>Second attempt, first boring refusal at 5'bgs. Offset ~3ft south</p> <p>Sample:<br/> 49-1: 1-1.5'<br/> 49-2: 1.5-2.5'<br/> 49-3: 5-6'<br/> All for PCBs</p> |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 48  |
| Recovery (inches)   | 16  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 2" asphalt<br>12" concrete<br>Black moist fill with ,coarse sand and trace gravel and silt. Evidence of coal ash. |

### Samples

|   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 18  |
| Depth (feet)  | 10  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | Wet black fill with coarse sand and gravel, |

## Boring Log

Record: 283

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-21                        |
| Start Time         | 11:32:00                          |
| End Date           | 2017-07-21                        |
| End Time           | 11:49:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 50                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



Notes

| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 50   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-4.5 fill consisting of medium SAND and gravel, concrete; 4.5-5.0 fill consisting of damp, brown, medium to coarse Sand little gravel. |
| Notes   | Samples 0.5-1.0 pcbs; 1.0-1.5 etph, pah; 1.5-2.0 pcbs  |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 55   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fill consisting of wet, dark brown, medium to coarse SAND and gravel. |
| Notes   | Sample 5-5.5 pcb   |

## Boring Log

Record: 790

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-06         |
| Start Time         | 10:30:00           |
| End Date           | 2017-09-06         |
| End Time           | 10:49:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-12E            |
| Boring Number      | 51                 |
| Completion Depth   | 10                 |
| Boring Photo       |                    |



| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 44  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-3.0 fill consisting of medium, brown SAND and coarse gravel; 3-5 fill consisting of medium, brown SAND, damp at 4-5 10" concrete |
| Notes   | Sample 0.5-1.5 pcbs, 1.5-2.5 pcbs, etph   |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 24  |
| Depth (feet)  | 10  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | Fill consisting of medium, brown, wet SAND little gravel. |
| Notes   | Sample 5-6 pcbs   |

## Boring Log

### Record: 901

|                    |   |
|--------------------|---|
| Boring Company     | Cummins EnviroTech  |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Tim Schiavone   |
| Start Date         | 2017-09-05  |
| Start Time         | 12:47:00  |
| End Date           | 2017-09-05  |
| End Time           | 13:00:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12E   |
| Boring Number      | 52 (offset)   |
| Completion Depth   | 10  |
| Notes              | 52-1: 1-1.5'<br><br>Refusal at 6.5' offset boring ~5' to the southwest<br><br>Intervals shifted due to poor recovery and presence of concrete |

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 46   |
| Recovery (inches)   | 12   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 2" asphalt<br>12" concrete<br>Moist black fill with coarse sand and gravel. Trace pulverized concrete. |

### Samples

|   |     |
|---|-----|
| Depth   | 6.5 |
| Penetration (inches)  | 1.5 |
| Recovery (inches)   | 0   |
| Depth (feet)  | 6.5 |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) |     |

## Boring Log

Record: 286

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-21                        |
| Start Time         | 12:18:00                          |
| End Date           | 2017-07-21                        |
| End Time           | 12:37:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 53                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



Notes

| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 50   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-4.5 fill consisting of medium SAND and gravel, concrete; 4.5-5.0 fill consisting of damp, brown, medium to coarse Sand little gravel. |
| Notes   | Samples 0.5-1.0 pcbs; 1.5-2.0 pcbs   |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 55   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fill consisting of wet, dark brown, medium to coarse SAND and gravel. |
| Notes   | Sample 5-5.5 pcb   |



## Boring Log

Record: 298

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-21                        |
| Start Time         | 13:01:00                          |
| End Date           | 2017-07-21                        |
| End Time           | 13:08:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 54                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



Notes

| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 50   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-1.0 fill consisting of medium SAND and gravel; 1.0-2.0 fill consisting of CONCRETE and medium Sand; 2.0-5.0 fill consisting of dark, brown, medium SAND and gravel. |
| Notes   | Samples 0.5-1.0 pcbs; 1.5-2.0 pcbs   |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 55   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fill consisting of wet, red-brown, medium to fine SAND. |
| Notes   | Sample 5-5.5 pcb   |

## Boring Log

Record: 346

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-25                        |
| Start Time         | 10:06:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 10:22:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 55                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



| Samples  |  |
|--|--|
| Depth  | 5  |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 45   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 0-0.5 asphalt; 0.5-1.0 fill consisting of CONCRETE; 1.0-1.2 fill consisting of CONCRETE; 1.2-5.0'fill consisting of medium, dark brown SAND little gravel, little concrete, little brick |
| Notes  | Sample 1.0-1.5 pcbs; 1.5-2.0 pcbs. 2;0-3.0 etph, pah; Little recovery before 1 foot due to concrete coring   |

| Samples  |  |
|--|--|
| Depth  | 10   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 55   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 5-9 fill consisting of damp, brown, fine SAND and gravel; 9-10 fill consisting of saturated, medium brown SAND and coarse gravel |
| Notes  | Sample 5-5.5 pcbs  |

## Boring Log

Record: 334

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-24                        |
| Start Time         | 10:07:00                          |
| End Date           | 2017-07-24                        |
| End Time           | 10:21:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 56                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |




### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 46   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-1.0 fill consisting of concrete and medium, brown sand; 1.0-5.0'fill consisting of medium, brown SAND little gravel |
| Notes   | Sample 0.5-1.0'pcbs; 1.5-2.0 pcbs  |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 49   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-7.5 fill consisting of damp, medium, brown SAND little gravel; 7.5-10 fill consisting of saturated, dark brown, coarse SAND and gravel |
| Notes   | Sample 5-5.5 pcbs  |

## Boring Log

Record: 331

|                    |   |
|--------------------|---|
| Boring Company     | Technical Drilling Services, Inc.   |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Will Sirotnak   |
| Start Date         | 2017-07-24  |
| Start Time         | 10:04:00  |
| End Date           | 2017-07-24  |
| End Time           | 10:06:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12E   |
| Boring Number      | 57  |
| Completion Depth   | 10  |
| Boring Photo       |  |
|                    |   |

| Samples  |  |
|--|--|
| Depth  | 5  |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 49   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 0-0.5 asphalt; 0.5-1.5 fill consisting of concrete and medium, brown sand; 1.5-5 fill consisting of medium, brown SAND little gravel |
| Notes  | Sample 0.5-1.0'pcbs, 1.0-1.5 etph, pah; 1.5-2.0 pcbs   |

| Samples  |  |
|--|--|
| Depth  | 10   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 55   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 5-7.5 fill consisting of damp, medium, brown SAND little gravel; 7.5-10 fill consisting of saturated, dark brown, coarse SAND and gravel |
| Notes  | Sample 5-5.5 pcbs  |



## Boring Log

Record: 295

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-21                        |
| Start Time         | 12:40:00                          |
| End Date           | 2017-07-21                        |
| End Time           | 12:54:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 58                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



Notes

| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 50   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-1.0 fill consisting of medium SAND and gravel; 1.0-2.0 fill consisting of CONCRETE and medium Sand; 2.0-5.0 fill consisting of dark, brown, medium SAND and gravel. |
| Notes   | Samples 0.5-1.0 pcbs; 1.5-2.0 pcbs   |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 55   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fill consisting of wet, red-brown, medium to fine SAND. |
| Notes   | Sample 5-5.5 pcb   |

## Boring Log

Record: 337

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-24                        |
| Start Time         | 12:07:00                          |
| End Date           | 2017-07-24                        |
| End Time           | 12:21:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 59                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 50   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-1.0 fill consisting of concrete and medium, brown sand; 1.0-5.0'fill consisting of medium,<br>dark brown SAND little gravel |
| Notes   | Sample 0.5-1.0 pcbs; 1.5-2.0 pcbs  |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 59   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fill consisting of wet to saturated, dark brown, coarse SAND and gravel |
| Notes   | Sample 5-5.5 pcbs  |

## Boring Log

Record: 379

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-25                        |
| Start Time         | 10:00:00                          |
| End Date           | 2017-07-25                        |
| End Time           | 10:00:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | Ws-aoc12e-so-60                   |
| Boring Photo       |                                   |



|       |  |
|-------|--|
| Notes | 3 samples<br>Ms/msd on 1<br>Cored top foot of concrete |
|-------|--|

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 45   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-1.5 fco concrete pad<br>1.5-4.5 fco concrete, asphalt<br>4.5-5 fco loose moist orange medium sandy grey SILT |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 9  |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-8 fco loose wet brown silty MEDIUM SAND<br>8-10 fco medium dense brown fine sandy SILT |

## Boring Log

Record: 292

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-21                        |
| Start Time         | 12:40:00                          |
| End Date           | 2017-07-21                        |
| End Time           | 12:54:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 61                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



Notes

| Samples  |  |
|--|--|
| Depth  | 5  |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 50   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 0-0.5 asphalt; 0.5-1.0 fill consisting of medium SAND and gravel; 1.0-2.0 fill consisting of CONCRETE and medium Sand; 2.0-5.0 fill consisting of dark, brown, medium SAND and gravel. |
| Notes  | Samples 0.5-1.0 pcbs; 1.5-2.0 pcbs plus dup 19   |

| Samples  |  |
|--|--|
| Depth  | 10   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 55   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 5-10 fill consisting of wet, red-brown, medium to fine SAND. |
| Notes  | Sample 5-5.5 pcb   |



## Boring Log

Record: 289

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-21                        |
| Start Time         | 12:18:00                          |
| End Date           | 2017-07-21                        |
| End Time           | 12:37:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 62                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



Notes

| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 48   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-1.0 fill consisting of medium SAND and gravel; 1.0-2.0 fill consisting of CONCRETE and medium Sand; 2.0-5.0 fill consisting of dark, brown, medium SAND and gravel. |
| Notes   | Samples 0.5-1.0 pcbs; 1.0-1.5 etph, pah; 1.5-2.0 pcbs  |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 55   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fill consisting of wet, dark brown, medium to coarse SAND and gravel. |
| Notes   | Sample 5-5.5 pcb   |

## Boring Log

Record: 328

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-24                        |
| Start Time         | 12:06:00                          |
| End Date           | 2017-07-24                        |
| End Time           | 12:05:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12E                           |
| Boring Number      | 63                                |
| Boring Photo       |                                   |



|       |  |
|-------|--|
| Notes | Used concrete drill bit to get through top foot of concrete footing<br><br>3 samples |
|-------|--|

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 24   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-1.5 fco concrete slab<br>1..5-3 fco asphalt<br>3-5 fco loose dry brown MEDIUM SAND |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 48   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-7 fco loose wet brown fine sandy GRAVEL<br>7-10 fco medium dense wet grey CLAY |

## Boring Log

Record: 1168

|                    |   |
|--------------------|---|
| Boring Company     | Technical Drilling Services, Inc.                     |
| Foreman            | Timothy Schiavone                                     |
| W&S Representative | Tim Schiavone   |
| Start Date         | 2017-07-24  |
| Start Time         | 12:00:00  |
| End Date           | 2017-07-24  |
| End Time           | 12:10:00  |
| Project Name       | UI-English Station                                    |
| Project Number     | 2170495   |
| AOC Number         | AOC-12E   |
| Boring Number      | 64  |
| Completion Depth   | 10  |
| Notes              | Sample PCBs<br>-1: 0.5-1'<br>-2: 1.2-2'<br>-3: 5-5.5' |

### Samples


|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 26   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 1" asphalt, 1' concrete<br>Moist brown fill consisting of medium sand with trace gravel. |

### Samples

|   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 41   |
| Depth (feet)  | 10   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Wet black to brown fill consisting of coarse sand with some gravel |

## Boring Log

Record: 307

|                    |   |
|--------------------|---|
| Boring Company     | Technical Drilling Services, Inc.   |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Chris Berthiaume  |
| Start Date         | 2017-07-21  |
| Start Time         | 11:01:00  |
| End Date           | 2017-07-21  |
| End Time           | 11:01:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12E   |
| Boring Number      | Ws-aoc12e-so-1  |
| Boring Photo       |  |
| Notes              |   |

2 samples

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 44  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 fco asphalt<br>0.5-3 fco loose dry red FINE SAND<br>3-5 medium dense dry dark grey SILT |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 37   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-8 fco loose wet dark grey gravelly silt<br>8-10 fco weathered concrete |

## Boring Log

Record: 274

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-21                        |
| Start Time         | 09:15:00                          |
| End Date           | 2017-07-21                        |
| End Time           | 09:24:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-5                             |
| Boring Number      | 2                                 |
| Completion Depth   | 5                                 |
| Boring Photo       |                                   |



Notes



| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 50   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 fill consisting of medium to fine sand and gravel; 0.5-5.0 fill consisting of brown, medium to coarse<br>Sand little gravel. |
| Notes   | Samples 0.0-0.25 pcbs  |

## Boring Log

Record: 271

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-21                        |
| Start Time         | 08:51:00                          |
| End Date           | 2017-07-21                        |
| End Time           | 09:04:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-5                             |
| Boring Number      | 3                                 |
| Completion Depth   | 15                                |
| Boring Photo       |                                   |



Notes

| Samples  |   |
|--|---|
| Depth  | 5   |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 46  |
| PID (ppmv)   | 0   |
| Sample Description & Classification (Modified Burmister) | 0-1.0 fill consisting of medium to fine sand and gravel; 1.0-5.0 fill consisting of dark, brown, medium to coarse Sand little gravel. |
| Notes  | Samples 0.0-0.5 pcbs plus ms/msd  |

| Samples  |  |
|--|--|
| Depth  | 10   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 50   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 5-10 fill consisting of damp, brown, medium to coarse SAND, little gravel. No odor |
| Notes  |  |

| Samples  |   |
|--|---|
| Depth  | 15  |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 40  |
| PID (ppmv)   | 0   |
| Sample Description & Classification (Modified Burmister) | 10-15 fill consisting of dark brown, saturated medium to fine SAND and Silt; little organic, littl gravel |
| Notes  | Sample 12-13 pcbs, etph, pah  |

## Boring Log

Record: 217

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-21                        |
| Start Time         | 09:34:00                          |
| End Date           | 2017-07-21                        |
| End Time           | 09:34:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-5                             |
| Boring Number      | Ws-aoc5-so-4                      |
| Boring Photo       |                                   |



|       |          |
|-------|----------|
| Notes | 1 sample |
|-------|----------|

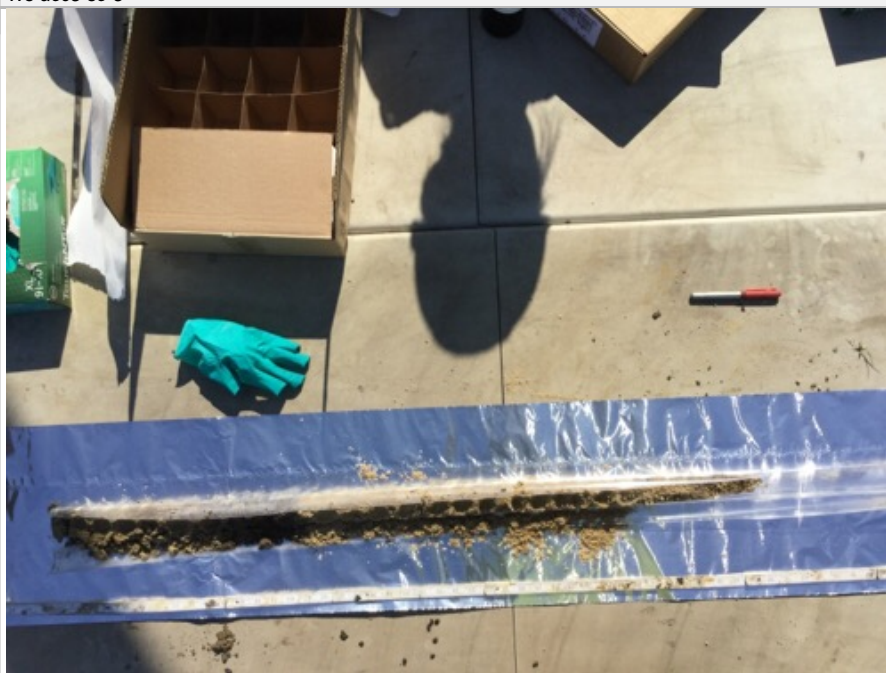
### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 48  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-5 fco loose dry tan MEDIUM COARSE SAND with little brown sand |

## Boring Log

Record: 214

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-21                        |
| Start Time         | 09:01:00                          |
| End Date           | 2017-07-21                        |
| End Time           | 09:01:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-5                             |
| Boring Number      | Ws-aoc5-so-5                      |
| Boring Photo       |                                   |



Notes 1 sample

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 41  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-5 fco loose dry tan MEDIUM COARSE SAND with little brown sand and brick |

## Boring Log

Record: 205

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-21                        |
| Start Time         | 08:49:00                          |
| End Date           | 2017-07-21                        |
| End Time           | 08:49:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-5                             |
| Boring Number      | Ws-aoc5-so-6                      |
| Boring Photo       |                                   |



Notes

1 sample + dup-16

| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 43   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-3 fco loose dry tan MEDIUM COARSE SAND<br>3-5 fco medium dense dry black MEDIUM SAND |



## Boring Log

Record: 220

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-21                        |
| Start Time         | 09:35:00                          |
| End Date           | 2017-07-21                        |
| End Time           | 09:35:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-5                             |
| Boring Number      | Ws-aoc5-so-7                      |
| Boring Photo       |                                   |



|       |          |
|-------|----------|
| Notes | 1 sample |
|-------|----------|

### Samples

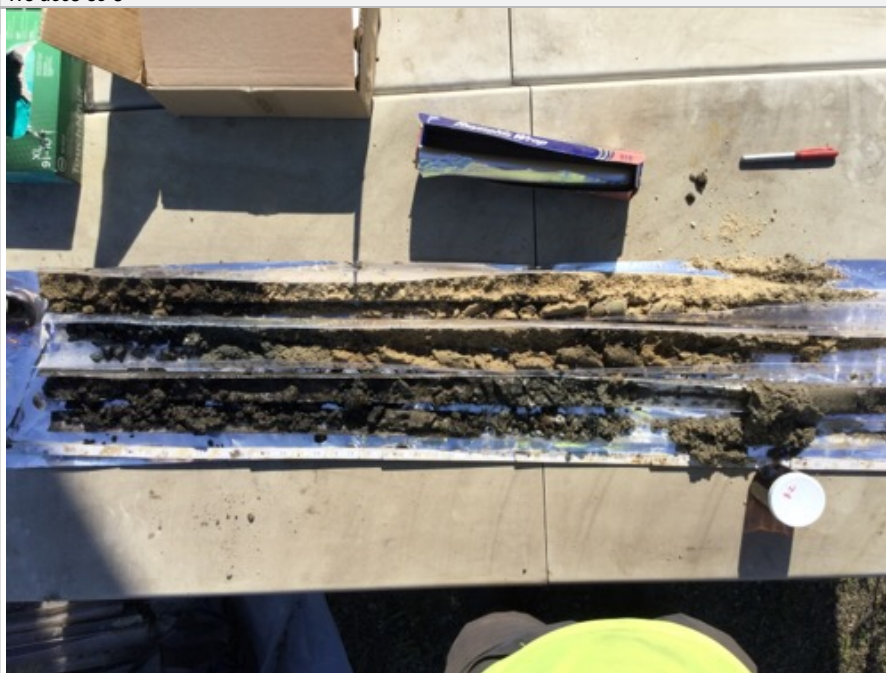
|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 30  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-4 fco loose dry tan MEDIUM COARSE SAND<br>4-5 fco loose moist brown MEDIUM SAND |



## Boring Log

Record: 211

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-21                        |
| Start Time         | 09:08:00                          |
| End Date           | 2017-07-21                        |
| End Time           | 09:08:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-5                             |
| Boring Number      | Ws-aoc5-so-8                      |
| Boring Photo       |                                   |



|       |           |
|-------|-----------|
| Notes | 2 samples |
|-------|-----------|

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60                                       |
| Recovery (inches)   | 45                                       |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-5 fco loose dry tan MEDIUM COARSE SAND |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 45   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-9 fco loose moist tan MEDIUM COARSE SAND<br>9-10 fco loose wet grey 1" STONE |

| Samples   |  |
|---|--|
| Depth   | 15   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 34   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 10-11 fco loose wet grey 1/2" RIVER STONE<br>11-12 fco medium dense wet brown silty CLAY<br>12-15 fco loose wet brown silty 1/2" RIVER STONE |

## Boring Log

Record: 208

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-21                        |
| Start Time         | 09:01:00                          |
| End Date           | 2017-07-21                        |
| End Time           | 09:01:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-5                             |
| Boring Number      | Ws-aoc5-so-9                      |
| Boring Photo       |                                   |



Notes

1 sample

| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 45   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-3.5 fco loose dry tan MEDIUM COARSE SAND<br>3.5-5 fco medium dense dry brown-black MEDIUM SAND |

## Boring Log

Record: 304

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-21                        |
| Start Time         | 09:55:00                          |
| End Date           | 2017-07-21                        |
| End Time           | 09:55:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-5                             |
| Boring Number      | Ws-aoc5-so-1                      |
| Boring Photo       |                                   |



### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 44  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-2 fco loose dry brown medium sandy 3/4" STONE<br>2-3 fco loose dry tan MEDIUM SAND<br>3-5 fco loose brown MEDIUM SAND |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 45   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-9 fco loose moist tan MEDIUM COARSE SAND<br>9-10 fco loose wet black silty MEDIUM SAND |

| Samples   |   |
|---|---|
| Depth   | 15  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 40  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 10-15 fco medium dense moist SILT with organics |

## Boring Log

Record: 730

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-08-03                        |
| Start Time         | 08:32:00                          |
| End Date           | 2017-08-03                        |
| End Time           | 09:02:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-2                             |
| Boring Number      | 2                                 |
| Completion Depth   | 15                                |
| Boring Photo       |                                   |



Notes

| Samples  |  |
|--|--|
| Depth  | 5  |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 53   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 0-0.5 asphalt; 0.5-5.0 fill consisting of medium, brown SAND, little gravel, little brick. |
| Notes  |  |

| Samples  |   |
|--|---|
| Depth  | 10  |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 50  |
| PID (ppmv)   | 0   |
| Sample Description & Classification (Modified Burmister) | 5-10 fill consisting of brown, medium SAND and gravel, little brick, damp at 9.5-10 |
| Notes  | 7-8.5 pcbs, etph, pah, vocs plus dup 45 for pcbs                                    |

| Samples  |   |
|--|---|
| Depth  | 15  |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 48  |
| PID (ppmv)   | 0   |
| Sample Description & Classification (Modified Burmister) | 10-15 Fill consisting of wet, brown, medium SAND, little gravel |
| Notes  | Sample 13-14 pcbs, etph, pah, vocs                              |



## Boring Log

Record: 733

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-08-03                        |
| Start Time         | 09:03:00                          |
| End Date           | 2017-08-03                        |
| End Time           | 09:24:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-2                             |
| Boring Number      | 3                                 |
| Completion Depth   | 15                                |
| Boring Photo       |                                   |



|       |  |
|-------|--|
| Notes |  |
|-------|--|

### Samples


|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 54   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-5.0 fill consisting of medium, brown SAND, little gravel, little brick, little concrete |
| Notes   |  |

| Samples  |   |
|--|---|
| Depth  | 10  |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 54  |
| PID (ppmv)   | 0   |
| Sample Description & Classification (Modified Burmister) | 5-10 fill consisting of brown, medium SAND and gravel, little brick, damp at 9.5-10 |
| Notes  | 7-8.5 pcbs, etph, pah, vocs plus ms/msd pcbs, pah                                   |

| Samples  |  |
|--|--|
| Depth  | 15   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 59   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 10-13.5 Fill consisting of wet, brown, coarse SAND; 13.5-15 fill consisting of wet, brown, medium SAND and gravel. |
| Notes  | Sample 13-14 pcbs, etph, pah, vocs   |

## Boring Log

Record: 739

|                    |   |
|--------------------|---|
| Boring Company     | Technical Drilling Services, Inc.   |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Will Sirotnak   |
| Start Date         | 2017-08-03  |
| Start Time         | 10:30:00  |
| End Date           | 2017-08-03  |
| End Time           | 10:47:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-2   |
| Boring Number      | 4   |
| Completion Depth   | 15  |
| Boring Photo       |  |

Notes

| Samples  |  |
|--|--|
| Depth  | 5  |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 48   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 0-0.5 asphalt; 0.5-5.0 fill consisting of medium, brown SAND, little gravel, little brick, little concrete |
| Notes  |  |

| Samples  |  |
|--|--|
| Depth  | 10   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 54   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 5-10 fill consisting of brown, medium SAND and gravel, little brick, little concrete, damp at 9.5-10 |
| Notes  | 7-8.0 pcbs, etph, pah, vocs  |

| Samples  |  |
|--|--|
| Depth  | 15   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 60   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 10-15 fill consisting of wet, brown, medium SAND and gravel. |
| Notes  | Sample 13-14 pcbs, etph, pah, vocs                           |

## Boring Log

Record: 736

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-08-03                        |
| Start Time         | 09:48:00                          |
| End Date           | 2017-08-03                        |
| End Time           | 10:27:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-2                             |
| Boring Number      | 1                                 |
| Completion Depth   | 15                                |
| Boring Photo       |                                   |



Notes

| Samples  |  |
|--|--|
| Depth  | 5  |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 54   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 0-0.5 asphalt; 0.5-5.0 fill consisting of medium, brown SAND, little gravel, little brick, little concrete |
| Notes  |  |

| Samples  |  |
|--|--|
| Depth  | 10   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 58   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 5-10 fill consisting of brown, medium SAND and gravel, little brick, little concrete, damp at 9.5-10 |
| Notes  | 7-8.5 pcbs, etph, pah, vocs plus dup 46'formpcbs   |

| Samples  |  |
|--|--|
| Depth  | 15   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 60   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 10-15 fill consisting of wet, brown, medium SAND and gravel. |
| Notes  | Sample 13-14 pcbs, etph, pah, vocs                           |

## Boring Log

### Record: 1018

|                      |   |
|----------------------|---|
| Boring Company       | Cummins EnviroTech  |
| Foreman              | Timothy Schiavone   |
| W&S Representative   | Tim Schiavone   |
| Start Date           | 2017-09-08  |
| Start Time           | 13:05:00  |
| End Date             | 2017-09-08  |
| End Time             | 13:16:00  |
| Project Name         | UI-English Station  |
| Project Number       | 2170495   |
| AOC Number           | AOC-12W   |
| Boring Number        | 106   |
| Completion Depth     | 15  |
| Filter Pack Material |   |
| Notes                | Sample:<br>106-1: 5-7' PCBs, ETPH, PAHs<br>106-2: 10-12' PCBs<br>106-3: 12-14' PCBs |

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 43   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Moist black to brown fill with coarse to fine sand, some gravel and trace silt. Coal ash and brick present |

### Samples

|   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 51   |
| Depth (feet)  | 10   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Wet black/gray fill fine to coarse sand with some silt. Trace gravel and organic soil. |

### Samples

|   |  |
|---|--|
| Depth   | 15   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 47   |
| Depth (feet)  | 15   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Wet black/gray fill fine to coarse sand with some silt. Trace gravel. And organics. Septic odor present. |



## Boring Log

Record: 850

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins Envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-11         |
| Start Time         | 09:55:00           |
| End Date           | 2017-09-11         |
| End Time           | 10:10:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-12W            |
| Boring Number      | 107                |
| Completion Depth   | 15                 |
| Boring Photo       |                    |



### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 50  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 medium, brown SAND and silt; .5-4' fill consisting of medium, brown SAND, little gravel, little fine sand; 4-5 fill consisting of damp, dark brown, medium SAND and gravel. |
| Notes   |   |



| Samples  |  |
|--|--|
| Depth  | 10   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 50   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | Fill consisting of medium to coarse, saturated, brown SAND and gravel. |
| Notes  | Samples - 5-7 pcb, etph plus dup 60                                    |

| Samples  |  |
|--|--|
| Depth  | 15   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 53   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 10-13 fill consisting of saturated, fine, grey brown SAND; 13-15' fill consisting of damp, brown clayey SILT with fine sand. |
| Notes  | Sample 10-12' pcb, pah; 12-14 pcb, arsenic   |

## Boring Log

### Record: 1015

|                    |   |
|--------------------|---|
| Boring Company     | Cummins EnviroTech  |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Tim Schiavone   |
| Start Date         | 2017-09-08  |
| Start Time         | 13:05:00  |
| End Date           | 2017-09-08  |
| End Time           | 13:16:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12W   |
| Boring Number      | 108   |
| Completion Depth   | 15  |
| Notes              | Sample:<br>108-1: 5-7' PCBs, ETPH, PAHs<br>108-2: 10-12' PCBs<br>108-3: 12-14' PCBs |

### Samples

|  |  |
|--|--|
| Depth  | 5  |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 43   |
| Depth (feet)   | 5  |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | Moist black to brown fill with coarse to fine sand, some gravel and trace silt. Coal ash and brick present |

### Samples

|  |  |
|--|--|
| Depth  | 10   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 51   |
| Depth (feet)   | 10   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | Wet black/gray fill fine to coarse sand with some silt. Trace gravel and organics. Slight sheening observed at 10' no PID spikes or odors. |

### Samples

|  |  |
|--|--|
| Depth  | 15   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 47   |
| Depth (feet)   | 15   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | Wet black/gray fill fine to coarse sand with some silt. Trace gravel. And organics. Septic odor present. |

## Boring Log

### Record: 1012

|                    |   |
|--------------------|---|
| Boring Company     | Cummins EnviroTech  |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Tim Schiavone   |
| Start Date         | 2017-09-08  |
| Start Time         | 12:50:00  |
| End Date           | 2017-09-08  |
| End Time           | 13:01:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12W   |
| Boring Number      | 109   |
| Completion Depth   | 15  |
| Notes              | <p>Sample:</p> <p>109-1: 5-7' PCBs, ETPH, PAHs</p> <p>109-2: 10-12' PCBs</p> <p>109-3: 12-14' PCBs (DUP-59)</p> |

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 36   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Moist black to brown fill with coarse to fine sand, some gravel and trace silt. Coal ash and brick present |

### Samples

|   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 43  |
| Depth (feet)  | 10  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | Wet black/gray fill fine to coarse sand with some silt. Trace gravel. |

### Samples

|   |   |
|---|---|
| Depth   | 15  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 45  |
| Depth (feet)  | 15  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | Wet black/gray fill fine to coarse sand with some silt. Trace gravel. |

## Boring Log

Record: 847

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins Envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-11         |
| Start Time         | 09:35:00           |
| End Date           | 2017-09-11         |
| End Time           | 09:45:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-12W            |
| Boring Number      | 110                |
| Completion Depth   | 5                  |
| Boring Photo       |                    |



### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 48  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 medium, brown SAND and silt; .5-5 fill consisting of medium, brown SAND, little gravel, little fine sand. |
| Notes   | Sample 0-.25 pcbs, 0.5-1.5 pcb, ms/msd; 3-4 pcb, etph   |

## Boring Log

Record: 844

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins Envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-11         |
| Start Time         | 09:22:00           |
| End Date           | 2017-09-11         |
| End Time           | 09:32:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-12W            |
| Boring Number      | 111                |
| Completion Depth   | 5                  |
| Boring Photo       |                    |



| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 47   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 medium, brown SAND and silt; .5-5 fill consisting of medium, brown SAND, little gravel |
| Notes   | Sample 0-.25 pcbs, 0.5-1.5 pcb, etph ms/msd; 3-4 pcb, arsnic                                 |

## Boring Log

Record: 1048

|                    |  |
|--------------------|--|
| Boring Company     | Cumins EnviroTech  |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Tim Schiavone  |
| Start Date         | 2017-09-11   |
| Start Time         | 12:06:00   |
| End Date           | 2017-09-11   |
| End Time           | 12:06:00   |
| Project Name       | UI-English Station   |
| Project Number     | 2170495  |
| AOC Number         | AOC-12W  |
| Boring Number      | 112  |
| Completion Depth   | 5  |
| Notes              | <p>Sample depths:</p> <p>-1: 0-0.25' PCBs, ETPH</p> <p>-2: 0.5-1.5' MS/MSD PCBs</p> <p>-3: 3-4' PCBs</p> |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 26  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | Moist brown to black fill with coarse sand and trace gravel and silt. Coal ash and brick present. |

## Boring Log

Record: 52

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-17                        |
| Start Time         | 10:35:00                          |
| End Date           | 2017-07-17                        |
| End Time           | 10:36:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-so-1                    |
| Completion Depth   | 10                                |

### Samples

|   |    |
|---|----|
| Sample Description & Classification (Modified<br>Burmister) | Na |
|---|----|

### Samples

|   |  |
|---|--|
| Penetration (inches)  | 120  |
| Recovery (inches)   | 100  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-.5 asphalt, .5-5' - fill consisting of coarse sand, clinker, little brick<br>5'-7' fill consisting of damp coarse sand, little clinker<br>7'-10' fill consisting of wet coarse sand little medium silt |
| Notes   | 0.5-1.0, 3-4, 7-8  |



## Boring Log

### Record: 46

|                    |   |
|--------------------|---|
| Boring Company     | Technical Drilling Services, Inc.   |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Chris Berthiaume  |
| Start Date         | 2017-07-18  |
| Start Time         | 10:44:00  |
| End Date           | 2017-07-18  |
| End Time           | 10:46:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12W   |
| Boring Number      | Ws-aoc12w-2   |
| Notes              | Offset about 5 ft north due to the presence of a large opening in the cooling tunnel ceiling at the proposed boring location<br><br>Ws-aoc12w-2-1a total and splp pcbs @ 0.5-1<br>Ws-aoc12w-2-1b total pahs @ 1-1.5<br>Ws-aoc12w-2-2 total pcbs @ 3-3.5<br>Ws-aoc12w-2-3 total pcbs @ 7-7.5 |

### Samples

|   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 35  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fco medium-dense wet black stony medium-coarse SAND with little silt |

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 40   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-1 fco pulverized brick and asphalt<br>1-5 fco clinker with some loose dry Stoney tan-brown medium SAND |

## Boring Log

### Record: 55

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Will Sirotnak</i>                     |
| <b>Start Date</b>             | <i>2017-07-17</i>                        |
| <b>Start Time</b>             | <i>11:21:00</i>                          |
| <b>End Date</b>               | <i>2017-07-17</i>                        |
| <b>End Time</b>               | <i>11:21:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>3</i>                                 |

### Samples

|   |   |
|---|---|
| <b>Penetration (inches)</b>   | <i>120</i>  |
| <b>Recovery (inches)</b>  | <i>95</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-.5 asphalt, .5-5 fill consisting of coarse sand, little brick, little gravel; 5-10 wet fill consisting of coarse sand and gravel</i> |
| <b>Notes</b>  | <i>0.5-1.0 pcbs, 0.5-2.0 etph, 3-4 pchs, 7-8 pcbs</i>   |

## Boring Log

### Record: 4

|                               |   |
|-------------------------------|---|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i>  |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>  |
| <b>W&amp;S Representative</b> | <i>Chris Berthiaume</i>   |
| <b>Start Date</b>             | <i>2017-07-17</i>   |
| <b>Start Time</b>             | <i>11:02:00</i>   |
| <b>End Date</b>               | <i>2017-07-17</i>   |
| <b>Project Name</b>           | <i>UI-English Station</i>   |
| <b>Project Number</b>         | <i>2170495</i>  |
| <b>AOC Number</b>             | <i>AOC-12W</i>  |
| <b>Boring Number</b>          | <i>WS-AOC12W-SO-4</i>   |
| <b>Completion Depth</b>       | <i>10</i>   |
| <b>Notes</b>                  | <p><i>Ws-aoc12w-so-4-1 taken 0.5-1 for total and splp pcbs</i></p> <p><i>Ws-aoc12w-so-4-2 taken 3-3.5 for total pcbs</i></p> <p><i>Ws-aoc12w-so-4-3 taken 7-7.5 for total pcbs</i></p> <p><i>0-5 interval had 3.4' recovery</i></p> <p><i>5-10 interval had 3.6' recovery</i></p> <p><i>0-0.5 fill consisting of (fco) loose dry fine SAND with little 2"+ grey stone</i></p> <p><i>0.5-5 fco dense dry brown medium SAND with some asphalt and 1" stone</i></p> <p><i>5-6 fco loose moist brown medium-coarse SAND</i></p> <p><i>6-10 fco loose wet grey fine SAND with some 1"+ grey stones</i></p> |

## Boring Log

### Record: 43

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i>   |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>   |
| <b>W&amp;S Representative</b> | <i>Chris Berthiaume</i>  |
| <b>Start Date</b>             | <i>2017-07-18</i>  |
| <b>Start Time</b>             | <i>10:04:00</i>  |
| <b>End Date</b>               | <i>2017-07-18</i>  |
| <b>Project Name</b>           | <i>UI-English Station</i>  |
| <b>Project Number</b>         | <i>2170495</i>   |
| <b>AOC Number</b>             | <i>AOC-12W</i>   |
| <b>Boring Number</b>          | <i>Ws-aoc12w-5</i>   |
| <b>Notes</b>                  | <i>Ws-aoc12w-5-1a total and splp pcbs @0.5-1</i><br><i>Ws-aoc12w-5-1b total and splp etph and total arsenic @1-1.5</i><br><i>Ws-aoc12w-5-2 total pcbs @3-3.5</i><br><i>Ws-aoc12w-5-3 total pcbs @7-7.5</i> |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>5</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>43</i>  |
| <b>Depth (feet)</b>   | <i>5</i>   |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified Burmister)</b> | <i>0-0.5 fco pulverized bricks and asphalt</i><br><i>0.5-2.5 fco clinker</i><br><i>2.5-5 fco loose dry tan-black stony medium SAND</i> |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>10</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>   |
| <b>Recovery (inches)</b>  | <i>22</i>   |
| <b>Depth (feet)</b>   | <i>5</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified Burmister)</b> | <i>5-7.5 fco medium-dense moist black CLAY</i><br><i>7.5-10 fco medium-dense wet black stony SILT</i> |
| <b>Notes</b>  | <i>Sample included a significant amount of water</i>  |

## Boring Log

### Record: 58

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Will Sirotnak</i>                     |
| <b>Start Date</b>             | <i>2017-07-17</i>                        |
| <b>Start Time</b>             | <i>11:39:00</i>                          |
| <b>End Date</b>               | <i>2017-07-17</i>                        |
| <b>End Time</b>               | <i>11:39:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>6</i>                                 |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |   |
|---|---|
| <b>Penetration (inches)</b>   | <i>120</i>  |
| <b>Recovery (inches)</b>  | <i>100</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-.5 asphalt; .5-5.0 fill consisting of coarse sand and gravel; 5.0-10.0 wet fill consisting of coarse sand, little<br/>gravel</i> |
| <b>Notes</b>  | <i>0.5-1.2 pcbs + dup 1, 3-3.5 pcbs, 7-7.5 pcbs</i>   |

## Boring Log

### Record: 1165

|                               |   |
|-------------------------------|---|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i>  |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>  |
| <b>W&amp;S Representative</b> | <i>Tim Schiavone</i>  |
| <b>Start Date</b>             | <i>2017-07-18</i>   |
| <b>Start Time</b>             | <i>11:33:00</i>   |
| <b>End Date</b>               | <i>2017-07-18</i>   |
| <b>End Time</b>               | <i>11:40:00</i>   |
| <b>Project Name</b>           | <i>UI-English Station</i>   |
| <b>Project Number</b>         | <i>2170495</i>  |
| <b>AOC Number</b>             | <i>AOC-12W</i>  |
| <b>Boring Number</b>          | <i>7</i>  |
| <b>Completion Depth</b>       | <i>10</i>   |
| <b>Notes</b>                  | <i>Sample PCBs</i><br><i>-1: 0.5-1'</i><br><i>-2: 3-3.5'</i><br><i>-3: 7-7.5'</i> |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>5</i>  |
| <b>Penetration (inches)</b>   | <i>60</i>   |
| <b>Recovery (inches)</b>  | <i>34</i>   |
| <b>Depth (feet)</b>   | <i>5</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>1" asphalt</i><br><i>1"-5.0' fill consisting of moist black to brown coarse sand gravel. Coal ash present.</i> |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>10</i>  |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>42</i>  |
| <b>Depth (feet)</b>   | <i>10</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>Wet black fill consisting of coarse sand and little gravel.</i> |

## Boring Log

### Record: 7

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i>   |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>   |
| <b>W&amp;S Representative</b> | <i>Chris Berthiaume</i>  |
| <b>Start Date</b>             | <i>2017-07-17</i>  |
| <b>Start Time</b>             | <i>11:25:00</i>  |
| <b>End Date</b>               | <i>2017-07-17</i>  |
| <b>End Time</b>               | <i>23:34:00</i>  |
| <b>Project Name</b>           | <i>UI-English Station</i>  |
| <b>Project Number</b>         | <i>2170495</i>   |
| <b>AOC Number</b>             | <i>AOC-12W</i>   |
| <b>Boring Number</b>          | <i>WS-AOC12W-SO-8</i>  |
| <b>Completion Depth</b>       | <i>10</i>  |
| <b>Notes</b>                  | <p><i>Ws-aoc12w-so-8-1a total and splp pcbs @ 0.5-1</i><br/> <i>Ws-aoc12w-so-8-1b total pahs @ 1-1.5</i><br/> <i>Ws-aoc12w-so-8-2 total pcbs @ 3-3.5</i><br/> <i>Ws-aoc12w-so-8-3 total pcbs @ 7-7.5</i></p> <p><i>0-5 recovered 2.7 ft</i><br/> <i>5-10 recovered 2.8 ft</i></p> <p><i>0-0.5 fco loose dry red 1"+ grey stony red fine SAND</i><br/> <i>0.5-5 fco medium-dense dry black fine SAND (clinker) with some brown fine sand</i><br/> <i>5-10 fco loose wet tan gravelly silt</i></p> |

## Boring Log

### Record: 40

|                    |  |
|--------------------|--|
| Boring Company     | Technical Drilling Services, Inc.  |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Chris Berthiaume   |
| Start Date         | 2017-07-18   |
| Start Time         | 09:52:00   |
| End Date           | 2017-07-18   |
| End Time           | 09:53:00   |
| Project Name       | UI-English Station   |
| Project Number     | 2170495  |
| AOC Number         | AOC-12W  |
| Boring Number      | Ws-aoc12w-9  |
| Notes              | Ws-aoc12w-9-1 total and splp pcbs @0.5-1<br>Ws-aoc12w-9-2 total pcbs @3-3.5<br>Ws-aoc12w-9-3 total pcbs @7-7.5 |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 28  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 fco pulverized bricks and asphalt<br>0.5-3 fco clinker<br>3-5 fco loose dry grey-tan medium-coarse SAND |

### Samples

|   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 40   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 medium-dense stony brown-dark grey medium-coarse SAND |



## Boring Log

### Record: 64

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-17                        |
| Start Time         | 12:24:00                          |
| End Date           | 2017-07-17                        |
| End Time           | 12:24:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 10                                |
| Completion Depth   | 10                                |

### Samples

|   |  |
|---|--|
| Penetration (inches)  | 120  |
| Recovery (inches)   | 102  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-.5 asphalt; .5-5 fill consisting of med to coarse sand, gravel, little brick; 5-10 wet fill consisting of coarse to medium sand, little gravel, little organic |
| Notes   | 0.5-1.0 splp pcbs, 3-3.5 pcbs, 7-7.5 pcbs  |

## Boring Log

### Record: 97

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-18                        |
| Start Time         | 11:15:00                          |
| End Date           | 2017-07-18                        |
| End Time           | 11:15:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 11                                |
| Completion Depth   | 10                                |

### Samples

|   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 120   |
| Recovery (inches)   | 102   |
| Depth (feet)  | 10  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-3 fill consisting of medium red-brown sand and gravel; 3-4.0 fill consisting of coal ash;<br>4.0-10.0 wet fill consisting of coarse brown sand and gravel. |
| Notes   | Samples - 0.5-1.0 splp pcbs, 1.0-2.0 etph, pah, ar; 3-3.5 pcbs; 7-7.5 pcbs  |

## Boring Log

### Record: 49

|                    |   |
|--------------------|---|
| Boring Company     | Technical Drilling Services, Inc.   |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Chris Berthiaume  |
| Start Date         | 2017-07-18  |
| Start Time         | 11:02:00  |
| End Date           | 2017-07-18  |
| End Time           | 11:11:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12W   |
| Boring Number      | Ws-aoc12w-12  |
| Notes              | Offset southeast 10 ft to avoid drilling through the cooling tunnel<br><br>Ws-aoc12w-12-1 total and splp pcbs at 0.5-1.5<br>DUP-5 taken of Ws-aoc12w-12-1<br>Ws-aoc12w-12-2 total pcbs at 3-3.5<br>Ws-aoc12w-12-3 total pcbs at 7-7.5 |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 36  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 fco pulverized bricks and asphalt<br>0.5-2.5 fco clinker<br>2.5-5 fco dense dry brown fine SAND with some grey clay and little red clay |

### Samples

|   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 48   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-7.5 fco medium-dense wet gravelly tan medium SAND<br>7.5-9 fco medium-dense dark brown silty fine SAND<br>9-10 fco loose wet black oSILT with organics |

## Boring Log

### Record: 37

|                               |   |
|-------------------------------|---|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i>  |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>  |
| <b>W&amp;S Representative</b> | <i>Chris Berthiaume</i>   |
| <b>Start Date</b>             | <i>2017-07-18</i>   |
| <b>Start Time</b>             | <i>09:32:00</i>   |
| <b>End Date</b>               | <i>2017-07-18</i>   |
| <b>End Time</b>               | <i>09:33:00</i>   |
| <b>Project Name</b>           | <i>UI-English Station</i>   |
| <b>Project Number</b>         | <i>2170495</i>  |
| <b>AOC Number</b>             | <i>AOC-12W</i>  |
| <b>Boring Number</b>          | <i>Ws-aoc12w-13</i>   |
| <b>Completion Depth</b>       | <i>10</i>   |
| <b>Notes</b>                  | <i>Ws-aoc12w-13-1a @0.5-1 total and splp pcbs<br/>Ws-aoc12w-13-1b @1-1.5 total etph and arsenic<br/>Ws-aoc12w-13-2 total pcbs<br/>Ws-aoc12w-13-3 total pcbs</i> |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>5</i>  |
| <b>Penetration (inches)</b>   | <i>60</i>   |
| <b>Recovery (inches)</b>  | <i>48</i>   |
| <b>Depth (feet)</b>   | <i>5</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-1 fco pulverized rock and asphalt<br/>1-3 fco clinker<br/>3-5 fco dense dry grey clayey tan medium-coarse SAND</i> |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>10</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>   |
| <b>Recovery (inches)</b>  | <i>32</i>   |
| <b>Depth (feet)</b>   | <i>5</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>5-9 fco medium-dense wet grey-brown fine sandy SILT<br/>9-10 fco dense moist black CLAY with organic</i> |

## Boring Log

### Record: 61

|                               |   |
|-------------------------------|---|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i>        |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                        |
| <b>W&amp;S Representative</b> | <i>Will Sirotnak</i>                            |
| <b>Start Date</b>             | <i>2017-07-17</i>                               |
| <b>Start Time</b>             | <i>12:11:00</i>                                 |
| <b>End Date</b>               | <i>2017-07-17</i>                               |
| <b>End Time</b>               | <i>12:11:00</i>                                 |
| <b>Project Name</b>           | <i>UI-English Station</i>                       |
| <b>Project Number</b>         | <i>2170495</i>                                  |
| <b>AOC Number</b>             | <i>AOC-12W</i>                                  |
| <b>Boring Number</b>          | <i>14</i>                                       |
| <b>Completion Depth</b>       | <i>10</i>                                       |
| <b>Notes</b>                  | <i>Drove a second 0-5 for adequate recovery</i> |

### Samples

|   |   |
|---|---|
| <b>Penetration (inches)</b>   | <i>120</i>  |
| <b>Recovery (inches)</b>  | <i>110</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-0.5 asphalt; 0.5-5 fill consisting of coarse sand, gravel and coal ash; 5-10 wet fill consisting of coarse sand and gravel</i> |
| <b>Notes</b>  | <i>0.5-1.2 splp pcbs + ms, 3-3.5 pcbs, 7-7.5 pcbs</i>   |

## Boring Log

### Record: 94

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Will Sirotnak</i>                     |
| <b>Start Date</b>             | <i>2017-07-18</i>                        |
| <b>Start Time</b>             | <i>11:01:00</i>                          |
| <b>End Date</b>               | <i>2017-07-18</i>                        |
| <b>End Time</b>               | <i>11:01:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>15</i>                                |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>10</i>   |
| <b>Penetration (inches)</b>   | <i>120</i>  |
| <b>Recovery (inches)</b>  | <i>108</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-0.5 asphalt; 0.5-4.5 fill consisting of medium brown sand and gravel, little ash, little brick; 4.5-10.0 wet fill<br/>consisting of coarse brown sand and gravel</i> |
| <b>Notes</b>  | <i>0.5-1.0 splp pcbs, 3-3.5 pcbs, 7-7.5 pcbs</i>  |

## Boring Log

Record: 622

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-18                        |
| Start Time         | 14:20:00                          |
| End Date           | 2017-07-18                        |
| End Time           | 14:20:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-so-16                   |

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 37   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 fco pulverized asphalt and concrete<br>0.5-3.5 fco granulated coal<br>3.5-5 medium dense dry grey brown clayey MEDIUM SAND |

### Samples

|   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 30   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-8 fco medium dense wet black CLAY<br>8-10 fco medium dense wet dark grey gravelly SILT |

## Boring Log

### Record: 34

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Chris Berthiaume</i>                  |
| <b>Start Date</b>             | <i>2017-07-18</i>                        |
| <b>Start Time</b>             | <i>09:14:00</i>                          |
| <b>End Date</b>               | <i>2017-07-18</i>                        |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>Ws-aoc12w-17</i>                      |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>5</i>  |
| <b>Penetration (inches)</b>   | <i>60</i>   |
| <b>Recovery (inches)</b>  | <i>44</i>   |
| <b>Depth (feet)</b>   | <i>5</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-1 fco pulverized brick and asphalt (medium-dense dry grey stony red medium SAND)<br/>1-3 fco clinker/coal ash (loose dry black gravelly coarse SAND)<br/>3-5 fco dense dry grey clayey tan fine SAND</i> |
| <b>Notes</b>  | <i>Sample 1 from 0.5-1 for total and splp pcbs with ms/msd, sample 2 from 3-3.5 for total pcbs</i>  |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>10</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>   |
| <b>Recovery (inches)</b>  | <i>40</i>   |
| <b>Depth (feet)</b>   | <i>5</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>5-5.5 fco dense dry grey clayey tan fine SAND<br/>5.5-8 fco medium-dense wet stony grey SILT<br/>8-10 fco loose wet black coast SAND with some organic</i> |
| <b>Notes</b>  | <i>Sample 3 @ 7-7.5 for total pcbs</i>  |



## Boring Log

### Record: 67

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Will Sirotnak</i>                     |
| <b>Start Date</b>             | <i>2017-07-17</i>                        |
| <b>Start Time</b>             | <i>12:49:00</i>                          |
| <b>End Date</b>               | <i>2017-07-17</i>                        |
| <b>End Time</b>               | <i>12:49:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>18</i>                                |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |   |
|---|---|
| <b>Penetration (inches)</b>   | <i>120</i>  |
| <b>Recovery (inches)</b>  | <i>82</i>   |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-0.5 asphalt; .5-4.5 fill consisting of med brown sand and coal ash; 4.5-10 wet fill consisting of coarse brown sand and gravel</i> |
| <b>Notes</b>  | <i>0.5-1.0 splp pcbs, 1.0-1.5 pah, 3-3.5 pcbs, 7-7.5 pcbs</i>   |

## Boring Log

### Record: 91

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Will Sirotnak</i>                     |
| <b>Start Date</b>             | <i>2017-07-18</i>                        |
| <b>Start Time</b>             | <i>10:41:00</i>                          |
| <b>End Date</b>               | <i>2017-07-18</i>                        |
| <b>End Time</b>               | <i>10:41:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>19</i>                                |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>10</i>   |
| <b>Penetration (inches)</b>   | <i>180</i>  |
| <b>Recovery (inches)</b>  | <i>150</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-0.5 asphalt; .5-3.0 fill consisting of red brown, medium sand and coarse gravel; 3.0-4.0 fill consisting of coal ash; 4.0-10.0 wet fill consisting of coarse brown sand and gravel</i> |
| <b>Notes</b>  | <i>0.5-1.2 splp pcbs plus ms/msd, 3-3.5 pcbs, 7-7.5 pcbs</i>  |

## Boring Log

Record: 28

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i>   |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>   |
| <b>W&amp;S Representative</b> | <i>Chris Berthiaume</i>  |
| <b>Start Date</b>             | <i>2017-07-17</i>  |
| <b>End Date</b>               | <i>2017-07-17</i>  |
| <b>Project Name</b>           | <i>UI-English Station</i>  |
| <b>Project Number</b>         | <i>2170495</i>   |
| <b>AOC Number</b>             | <i>AOC-12W</i>   |
| <b>Boring Number</b>          | <i>Ws-aoc12w-so-20</i>   |
| <b>Completion Depth</b>       | <i>10</i>  |
| <b>Notes</b>                  | <p><i>Ws-aoc12w-so-20-1 total and splp pcbs @0.5-1</i><br/> <i>Ws-aoc12w-so-20-2 total pcbs @3-3.5</i><br/> <i>Ws-aoc12w-so-20-3 total pcbs @7-7.5</i></p> <p><i>0-5 recovery 3.6 ft</i><br/> <i>5-10 recovery 2.6 ft</i></p> <p><i>0-0.5 fco pulverized brick and asphalt</i><br/> <i>0.5-2 fco clinker</i><br/> <i>2-5 fco medium-dense dry tan-brown clayey medium SAND</i><br/> <i>5-7 fco loose wet tan medium sandy SILT</i><br/> <i>7-10 fco loose wet brown-black medium-coarse SAND</i></p> |

## Boring Log

### Record: 70

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-17                        |
| Start Time         | 13:15:00                          |
| End Date           | 2017-07-17                        |
| End Time           | 13:15:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 21                                |
| Completion Depth   | 10                                |

### Samples

|   |   |
|---|---|
| Sample Description & Classification (Modified<br>Burmister) | 0-.5 asphalt, .5-4.5 fill consisting of med brown sand with coal ash at 2-3, 4.5-10 wet fill consisting of coarse sand and gravel |
| Notes   | 0.5-1 splp pcbs, 3-3.5 pcbs, 7-7.5 pcbs   |

## Boring Log

### Record: 88

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Will Sirotnak</i>                     |
| <b>Start Date</b>             | <i>2017-07-18</i>                        |
| <b>Start Time</b>             | <i>10:18:00</i>                          |
| <b>End Date</b>               | <i>2017-07-18</i>                        |
| <b>End Time</b>               | <i>10:18:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>22</i>                                |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>10</i>  |
| <b>Penetration (inches)</b>   | <i>120</i>   |
| <b>Recovery (inches)</b>  | <i>102</i>   |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-0.5 asphalt; 0.5-3.0 fill consisting red brown medium sand and coarse gravel; 3.0-4.5 fill consisting of coal ash, 4.5-10 fill consisting of wet coarse brown sand and gravel</i> |
| <b>Notes</b>  | <i>0.5-1.2 splp pcbs plus dup-4, 3-3.5 pcbs, 7-7.5 pcbs</i>  |

## Boring Log

Record: 10

|                               |   |
|-------------------------------|---|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i>  |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>  |
| <b>W&amp;S Representative</b> | <i>Chris Berthiaume</i>   |
| <b>Start Date</b>             | <i>2017-07-17</i>   |
| <b>Start Time</b>             | <i>12:01:00</i>   |
| <b>End Date</b>               | <i>2017-07-17</i>   |
| <b>End Time</b>               | <i>12:31:00</i>   |
| <b>Project Name</b>           | <i>UI-English Station</i>   |
| <b>Project Number</b>         | <i>2170495</i>  |
| <b>AOC Number</b>             | <i>AOC-12W</i>  |
| <b>Boring Number</b>          | <i>Ws-aoc12w-so-23</i>  |
| <b>Completion Depth</b>       | <i>10</i>   |
| <b>Notes</b>                  | <p><i>Ws-aoc12w-so-23-1a total and splp pcbs @0.5-1</i><br/> <i>Ws-aoc12w-so-23-1b total and splp etph and total arsenic @1-1.5</i><br/> <i>Ws-aoc12w-so-23-2 total pcbs @3-3.5</i><br/> <i>Ws-aoc12w-so-23-3 total pcbs @7-7.5</i></p> <p><i>0-5 recovery 2.9 ft</i><br/> <i>5-10 recovery 3.4 ft</i></p> <p><i>0-0.5 fco medium-dense dry 1"+ grey Stoney red fine SAND</i><br/> <i>0.5-1 fco medium-dense dry 1/2"- black stony medium SAND (clinker)</i><br/> <i>1-5 fco loose dry grey medium-fine SAND</i><br/> <i>5-6 fco loose wet tan fine sandy SILT</i><br/> <i>6-10 fco loose wet brown medium SAND</i></p> |

## Boring Log

Record: 25

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i>   |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>   |
| <b>W&amp;S Representative</b> | <i>Chris Berthiaume</i>  |
| <b>Start Date</b>             | <i>2017-07-17</i>  |
| <b>End Date</b>               | <i>2017-07-17</i>  |
| <b>Project Name</b>           | <i>UI-English Station</i>  |
| <b>Project Number</b>         | <i>2170495</i>   |
| <b>AOC Number</b>             | <i>AOC-12W</i>   |
| <b>Boring Number</b>          | <i>Ws-aoc12w-so-24</i>   |
| <b>Completion Depth</b>       | <i>10</i>  |
| <b>Notes</b>                  | <p><i>Ws-aoc12w-so-24-1 total and splp pcbs @0.5-1</i></p> <p><i>Ws-aoc12w-so-24-2 total pcbs @3-3.5</i></p> <p><i>Ws-aoc12w-so-24-3 total pcbs @7-7.5</i></p> <p><i>0-5 recovery 3.1 ft</i></p> <p><i>5-10 recovery 3.2 ft</i></p> <p><i>0-1.5 fco pulverized brick and asphalt</i></p> <p><i>1.5-3.5 fco clinker</i></p> <p><i>3.5-5 fco dense moist grey-tan CLAY</i></p> <p><i>5-6.5 fco dense moist grey-tan CLAY</i></p> <p><i>6.5-8.5 fco medium-dense wet grey silty CLAY</i></p> <p><i>8.5-10 fco loose moist grey-red stony CLAY</i></p> |

## Boring Log

### Record: 73

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-17                        |
| Start Time         | 13:33:00                          |
| End Date           | 2017-07-17                        |
| End Time           | 13:33:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 25                                |
| Completion Depth   | 10                                |

### Samples

|   |   |
|---|---|
| Penetration (inches)  | 120   |
| Recovery (inches)   | 105   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; .5-5 fill consisting of coarse brown sand and gravel with coal ash at 2-3; 5-10 wet fill<br>consisting of coarse brown sand and gravel |
| Notes   | 0.5-1.2 splp pcb with ms, 3-3.5 pcb, 7-7.5 pcb  |



## Boring Log

### Record: 85

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Will Sirotnak</i>                     |
| <b>Start Date</b>             | <i>2017-07-18</i>                        |
| <b>Start Time</b>             | <i>10:07:00</i>                          |
| <b>End Date</b>               | <i>2017-07-18</i>                        |
| <b>End Time</b>               | <i>10:07:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>26</i>                                |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>10</i>  |
| <b>Penetration (inches)</b>   | <i>120</i>   |
| <b>Recovery (inches)</b>  | <i>105</i>   |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-0.5 asphalt; 0.5-3.0 fill consisting of coarse red brown sand and gravel, 3.0-4.0 fill consisting of coal ash;<br/>4.0-10.0 wet fill consisting of coarse sand and gravel</i> |
| <b>Notes</b>  | <i>0.5-1.0 splp pcbs, 3-3.5 pcbs, 7-7.5 pcbs</i>   |

## Boring Log

### Record: 13

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i>   |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>   |
| <b>W&amp;S Representative</b> | <i>Chris Berthiaume</i>  |
| <b>Start Date</b>             | <i>2017-07-17</i>  |
| <b>Start Time</b>             | <i>00:35:00</i>  |
| <b>End Date</b>               | <i>2017-07-17</i>  |
| <b>End Time</b>               | <i>12:49:00</i>  |
| <b>Project Name</b>           | <i>UI-English Station</i>  |
| <b>Project Number</b>         | <i>2170495</i>   |
| <b>AOC Number</b>             | <i>AOC-12W</i>   |
| <b>Boring Number</b>          | <i>Ws-aoc12w-so-27-1</i>   |
| <b>Completion Depth</b>       | <i>10</i>  |
| <b>Notes</b>                  | <i>Ws-aoc12w-so-27-1 total and splp pcbs @0.5-1</i><br><i>Ws-aoc12w-so-27-2 total pcbs @3-3.5</i><br><i>Ws-aoc12w-so-27-3 total pcbs @7-7.5</i><br><br><i>0-5 recovery 3.9 ft</i><br><i>5-10 recovery 4.4 ft</i><br><br><i>0-0.25 fco tarry asphalt</i><br><i>0.25-2 fco loose dry red stony medium SAND</i><br><i>2-2.25 fco clinker</i><br><i>2.25-5 fco loose dry tan medium SAND</i><br><i>5-8.5 fco medium-dense wet tan silty medium SAND</i><br><i>8.5-10 fco medium-dense wet brown 1/2" stony medium SAND</i> |

## Boring Log

Record: 22

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i>   |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>   |
| <b>W&amp;S Representative</b> | <i>Chris Berthiaume</i>  |
| <b>Start Date</b>             | <i>2017-07-17</i>  |
| <b>End Date</b>               | <i>2017-07-17</i>  |
| <b>Project Name</b>           | <i>UI-English Station</i>  |
| <b>Project Number</b>         | <i>2170495</i>   |
| <b>AOC Number</b>             | <i>AOC-12W</i>   |
| <b>Boring Number</b>          | <i>Ws-aoc12w-so-28</i>   |
| <b>Completion Depth</b>       | <i>10</i>  |
| <b>Notes</b>                  | <p><i>Ws-aoc12w-so-28-1a total and splp pcbs @0.5-1</i><br/> <i>Ws -aoc12w-so-28-1b total and splp pcbs @1-1.5</i><br/> <i>Ws -aoc12w-so-28-2 total and splp pcbs @3-3.5</i><br/> <i>Ws -aoc12w-so-28-3 total and splp pcbs @7-7.5</i></p> <p><i>0-5 recovery 3.4 ft</i><br/> <i>5-10 recovery 3.9 ft</i></p> <p><i>0-1 fco pulverized brick and asphalt</i><br/> <i>1-4 fco clinker</i><br/> <i>4-4.5 fco dense moist brown-tan CLAY</i><br/> <i>4.5-5 fco medium-dense dry grey medium SAND</i><br/> <i>5-6 fco medium-dense dry grey medium SAND</i><br/> <i>6-8 fco loose wet tan fine sandy SILT</i><br/> <i>8-9 fco loose wet tan fine sandy SILT with some black fine SAND (possibly clinker fines)</i><br/> <i>9-10 fco dense moist maroon-grey stony CLAY</i></p> |

## Boring Log

### Record: 76

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-17                        |
| Start Time         | 13:56:00                          |
| End Date           | 2017-07-17                        |
| End Time           | 13:56:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 29                                |
| Completion Depth   | 10                                |

### Samples

|   |  |
|---|--|
| Penetration (inches)  | 120  |
| Recovery (inches)   | 102  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-.5 asphalt; .5-5 fill consisting of coarse brown sand and gravel with coal ash at 1.5-3; 5-10 wet fill<br>consisting of coarse gravel and sand |
| Notes   | .5-1.2 splp pcbs with dup3, 3-3.5 pcbs, 7-7.5 pcbs   |

## Boring Log

### Record: 82

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Will Sirotnak</i>                     |
| <b>Start Date</b>             | <i>2017-07-18</i>                        |
| <b>Start Time</b>             | <i>09:54:00</i>                          |
| <b>End Date</b>               | <i>2017-07-18</i>                        |
| <b>End Time</b>               | <i>09:54:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>30</i>                                |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>10</i>   |
| <b>Penetration (inches)</b>   | <i>120</i>  |
| <b>Recovery (inches)</b>  | <i>104</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-0.5 asphalt; .5-3.0 fill consisting of red brown medium sand and coarse gravel; 3.0-4.5 fill consisting of coal ash and coarse sand; 4.5-8.5 - wet fill consisting of coarse sand and gravel; 8.5-10 wet fill consisting of medium sand little gravel, little organics</i> |
| <b>Notes</b>  | <i>0.5-1.0 splp pcbs, 3-3.5 pcbs, 7-7.5 pcbs</i>  |

## Boring Log

### Record: 16

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i>   |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>   |
| <b>W&amp;S Representative</b> | <i>Chris Berthiaume</i>  |
| <b>Start Date</b>             | <i>2017-07-17</i>  |
| <b>End Date</b>               | <i>2017-07-17</i>  |
| <b>Project Name</b>           | <i>UI-English Station</i>  |
| <b>Project Number</b>         | <i>2170495</i>   |
| <b>AOC Number</b>             | <i>AOC-12W</i>   |
| <b>Boring Number</b>          | <i>Ws-aoc12w-so-31</i>   |
| <b>Completion Depth</b>       | <i>10</i>  |
| <b>Notes</b>                  | <p><i>Ws-aoc12w-so-31-1 total and splp pcbs @0.5-1</i></p> <p><i>Ws-aoc12w-so-31-2 total pcbs @3-3.5</i></p> <p><i>Ws-aoc12w-so-31-3 total pcbs @7-7.5</i></p> <p><i>0-5 recovery 3.3 ft</i></p> <p><i>5-10 recovery 3.8 ft</i></p> <p><i>0-1 fco pulverized brick and asphalt (loose dry red and black stony medium SAND)</i></p> <p><i>1-3.5 fco clinker</i></p> <p><i>3.5-5 fco medium-dense moist brown-grey silty medium-coarse SAND</i></p> <p><i>5-7 fco wet tan silty medium SAND</i></p> <p><i>7-10 fco loose wet brown-black silty coarse SAND</i></p> |

## Boring Log

Record: 19

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i>   |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>   |
| <b>W&amp;S Representative</b> | <i>Chris Berthiaume</i>  |
| <b>Start Date</b>             | <i>2017-07-17</i>  |
| <b>End Date</b>               | <i>2017-07-17</i>  |
| <b>Project Name</b>           | <i>UI-English Station</i>  |
| <b>Project Number</b>         | <i>2170495</i>   |
| <b>AOC Number</b>             | <i>AOC-12W</i>   |
| <b>Boring Number</b>          | <i>Ws-aoc12w-so-32</i>   |
| <b>Completion Depth</b>       | <i>10</i>  |
| <b>Notes</b>                  | <p><i>Ws-aoc12w-so-32-1 total and splp pcbs @0.5-1</i><br/> <i>Ws-aoc12w-so-32-1 total pcbs @3-3.5</i><br/> <i>Ws-aoc12w-so-32-1 total pcbs @7-7.5</i></p> <p><i>0-5 recovery 3.5 ft</i><br/> <i>5-10 recovery 3.9 ft</i></p> <p><i>0-1.5 fco pulverized brick and asphalt</i><br/> <i>1.5-4.5 fco clinker</i><br/> <i>4.5-5 fco medium-dense dry tan-grey SILT</i><br/> <i>5-7 fco medium-dense moist brown-grey stony SILT</i><br/> <i>7-9.5 fco medium-dense wet brown-black silty medium-coarse SAND</i><br/> <i>9.5-10 fco loose wet black organic SILT</i></p> |

## Boring Log

Record: 31

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i>   |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>   |
| <b>W&amp;S Representative</b> | <i>Chris Berthiaume</i>  |
| <b>Start Date</b>             | <i>2017-07-17</i>  |
| <b>End Date</b>               | <i>2017-07-17</i>  |
| <b>Project Name</b>           | <i>UI-English Station</i>  |
| <b>Project Number</b>         | <i>2170495</i>   |
| <b>AOC Number</b>             | <i>AOC-12W</i>   |
| <b>Boring Number</b>          | <i>Ws-aoc12w-so-33</i>   |
| <b>Completion Depth</b>       | <i>10</i>  |
| <b>Notes</b>                  | <i>Ws-aoc12w-so-33-1a total and splp pcbs @0.5-1</i><br><i>Ws-aoc12w-so-33-1b total and splp etph and total arsenic @ 1-2</i><br><i>Ws-aoc12w-so-33-2 total pcbs @3-3.5</i><br><i>Ws-aoc12w-so-33-3total pcbs @7-7.5</i><br><br><i>0-5 recovery 2.9 ft</i><br><i>5-10 recovery 3.3 ft</i><br><br><i>0-2 fco pulverized brick and asphalt</i><br><i>2-3 fco clinker</i><br><i>3-5 fco medium-dense dry black-orange stony SAND</i><br><i>5-8 fco medium-dense wet tan silty medium-fine SAND</i><br><i>8-10 fco loose wet black stony (1"+) medium SAND</i> |



## Boring Log

### Record: 79

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Will Sirotnak</i>                     |
| <b>Start Date</b>             | <i>2017-07-18</i>                        |
| <b>Start Time</b>             | <i>09:37:00</i>                          |
| <b>End Date</b>               | <i>2017-07-18</i>                        |
| <b>End Time</b>               | <i>09:37:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>34</i>                                |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>0</i>   |
| <b>Penetration (inches)</b>   | <i>120</i>   |
| <b>Recovery (inches)</b>  | <i>100</i>   |
| <b>Depth (feet)</b>   | <i>0</i>   |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-0.5 asphalt; 0.5-4.5 fill consisting of coarse sand, gravel and coal ash at 2.5-3.5; 4.5-10 wet fill consisting of coarse sand and gravel</i> |
| <b>Notes</b>  | <i>0.5-1.2 splp pcbs, 3-3.5 pcbs, 7-7.5 pcbs</i>   |

## Boring Log

Record: 604

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Chris Berthiaume</i>                  |
| <b>Start Date</b>             | <i>2017-07-18</i>                        |
| <b>Start Time</b>             | <i>12:54:00</i>                          |
| <b>End Date</b>               | <i>2017-07-18</i>                        |
| <b>End Time</b>               | <i>12:54:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>Ws-aoc12w-so-35</i>                   |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>5</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>40</i>  |
| <b>Depth (feet)</b>   | <i>5</i>   |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-0.5 fco loose dry brown black MEDIUM SAND<br/>0.5-1 fco pulverized bricks and asphalt<br/>1-2 fco granulated coal<br/>2-5 fco medium dense dry tan FINE SAND with concrete at 4.5-5</i> |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>10</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>   |
| <b>Recovery (inches)</b>  | <i>37</i>   |
| <b>Depth (feet)</b>   | <i>5</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>5-8 fco medium dense wet tan silty FINE SAND<br/>8-9 fco medium dense wet brown silty FINE SAND<br/>9-10 fco loose wet black silty FINE SAND with organics</i> |

## Boring Log

Record: 607

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Chris Berthiaume</i>                  |
| <b>Start Date</b>             | <i>2017-07-18</i>                        |
| <b>Start Time</b>             | <i>13:11:00</i>                          |
| <b>End Date</b>               | <i>2017-07-18</i>                        |
| <b>End Time</b>               | <i>13:11:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>Ws-aoc12w-so-36</i>                   |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>5</i>  |
| <b>Penetration (inches)</b>   | <i>60</i>   |
| <b>Recovery (inches)</b>  | <i>48</i>   |
| <b>Depth (feet)</b>   | <i>5</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-0.5 fco loose dry brown MEDIUM SAND<br/>0.5-1 fco concrete<br/>1-4 fco granulated coal<br/>4-5 fco loose dry tan MEDIUM SAND with some coal and organics</i> |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>10</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>   |
| <b>Recovery (inches)</b>  | <i>51</i>   |
| <b>Depth (feet)</b>   | <i>5</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>5-7.5 fco loose wet black granulated coal with little organics<br/>7.5-8.5 fco dense wet tan gravelly CLAY<br/>8.5-10 fco medium dense wet brown gravelly CLAY with little medium sand</i> |

## Boring Log

### Record: 610

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Chris Berthiaume</i>                  |
| <b>Start Date</b>             | <i>2017-07-18</i>                        |
| <b>Start Time</b>             | <i>13:23:00</i>                          |
| <b>End Date</b>               | <i>2017-07-18</i>                        |
| <b>End Time</b>               | <i>13:23:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>Ws-aoc12w-so-37</i>                   |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>5</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>35</i>  |
| <b>Depth (feet)</b>   | <i>5</i>   |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-0.5 pulverized brick and asphalt<br/>0.5-1.5 granulated coal<br/>1.5-4 fco loose dry black orange COARSE SAND with some coal<br/>4-5 fco loose moist dark grey SILT</i> |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>10</i>  |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>41</i>  |
| <b>Depth (feet)</b>   | <i>5</i>   |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>5-8 fco loose wet black organic CLAY<br/>8-10 fco pulverized concrete</i> |

## Boring Log

### Record: 613

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Chris Berthiaume</i>                  |
| <b>Start Date</b>             | <i>2017-07-18</i>                        |
| <b>Start Time</b>             | <i>13:41:00</i>                          |
| <b>End Date</b>               | <i>2017-07-18</i>                        |
| <b>End Time</b>               | <i>13:41:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>Ws-aoc12w-so-38</i>                   |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>5</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>39</i>  |
| <b>Depth (feet)</b>   | <i>5</i>   |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-0.5 pulverized brick and asphalt<br/>0.5-1.5 granulated coal<br/>1.5-5 loose dry black orange COARSE SAND with some coal and little grey silt</i> |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>10</i>  |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>45</i>  |
| <b>Depth (feet)</b>   | <i>5</i>   |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>5-7.5 fco medium dense wet tan gravelly MEDIUM SAND<br/>7.5-10 fco medium dense wet grey silty MEDIUM SAND with little gravel</i> |

## Boring Log

### Record: 109

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-18                        |
| Start Time         | 13:53:00                          |
| End Date           | 2017-07-18                        |
| End Time           | 13:53:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 39                                |
| Completion Depth   | 10                                |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 48  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 fill consisting of med, brown sand; .5-3 fill consisting of med, brown sand, little gravel, little coarse sand; 3-5 fill consisting of damp, medium, dense brown sand little gravel |
| Notes   | Sample 0-0.5 splp pcbs. Plus dup 7; 0.5-1.0 pcbs; 3-3.5 pcbs  |

### Samples

|   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 44  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-7 fill consisting of dense, brown, medium sand damp; 7-10 fill consisting of wet, dense dark brown sand |
| Notes   | 7-7.5 pcbs  |

## Boring Log

### Record: 106

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Will Sirotnak</i>                     |
| <b>Start Date</b>             | <i>2017-07-18</i>                        |
| <b>Start Time</b>             | <i>13:37:00</i>                          |
| <b>End Date</b>               | <i>2017-07-18</i>                        |
| <b>End Time</b>               | <i>13:37:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>40</i>                                |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>10</i>  |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>46</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-.75 medium to fine brown sand fill; .75-3 fill consisting of dark brown sand little coarse, little brick, little gravel; 3-5 fill consisting of damp, dense, dark brown sand.</i> |
| <b>Notes</b>  | <i>Sample 0-.75 splp pcbs plus ms, .75-1.25 pcbs, 3-3.5 pcbs</i>   |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>10</i>  |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>48</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>5-10 fill consisting of wet, dense, dark brown sand</i> |
| <b>Notes</b>  | <i>Sample 7-7.5 pcbs</i>                                   |

## Boring Log

### Record: 103

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Will Sirotnak</i>                     |
| <b>Start Date</b>             | <i>2017-07-18</i>                        |
| <b>Start Time</b>             | <i>13:17:00</i>                          |
| <b>End Date</b>               | <i>2017-07-18</i>                        |
| <b>End Time</b>               | <i>13:17:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>41</i>                                |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>5</i>  |
| <b>Penetration (inches)</b>   | <i>60</i>   |
| <b>Recovery (inches)</b>  | <i>45</i>   |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-.75 fine to med sand; .75-3.5 fill consisting of dark brown medium sand and gravel, little brick; 3.5-5.0 fill consisting of dark brown dense medium sand, little gravel</i> |
| <b>Notes</b>  | <i>Sample 0-.75 splp pcbs; .75-1.25 pcbs; 3-3.5 pcbs</i>  |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>10</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>   |
| <b>Recovery (inches)</b>  | <i>44</i>   |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>5.0-10.0 wet fill consisting of dense medium dark brown sand little gravel</i> |
| <b>Notes</b>  | <i>Sample 7-7.5 pcbs</i>  |



## Boring Log

### Record: 100

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-18                        |
| Start Time         | 13:04:00                          |
| End Date           | 2017-07-18                        |
| End Time           | 13:04:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 42                                |
| Completion Depth   | 10                                |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 49  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 medium brown sand, .5-5.0 fill consisting of medium brown sand and gravel, little brick |
| Notes   | Sample 0-0.5 splp pcbs; 0.5-1.0 pcbs; 1.0-2.0 splp etph, pah, ar; 3-3.5 pcbs                  |

### Samples

|   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 54   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 wet fill consisting of coarse to medium brown sand and gravel |
| Notes   | Sample 7-7.5 pcbs  |

## Boring Log

### Record: 112

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Will Sirotnak</i>                     |
| <b>Start Date</b>             | <i>2017-07-18</i>                        |
| <b>Start Time</b>             | <i>14:03:00</i>                          |
| <b>End Date</b>               | <i>2017-07-18</i>                        |
| <b>End Time</b>               | <i>14:03:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>43</i>                                |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>5</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>45</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-0.5 fill consisting of med brown sand; 0.5-3.0 fill consisting of coarse brown sand transitioning to med,<br/>little brick; 3.0-5.0 fill consisting of damp, dense, brownSAND little gravel</i> |
| <b>Notes</b>  | <i>0-0.5 splp pcbs, 0.5-1.5 pcbs, pahs; 3-3.5 pcbs</i>   |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>10</i>  |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>50</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>5-7 fill consisting of damp,dark brown medium SAND little gravel; 7-10 fill consisting of saturated dark brown<br/>coarse to medium Sand.</i> |
| <b>Notes</b>  | <i>7-7.5pcbs</i>   |

## Boring Log

### Record: 115

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Will Sirotnak</i>                     |
| <b>Start Date</b>             | <i>2017-07-18</i>                        |
| <b>Start Time</b>             | <i>14:17:00</i>                          |
| <b>End Date</b>               | <i>2017-07-18</i>                        |
| <b>End Time</b>               | <i>14:17:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>44</i>                                |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>5</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>45</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-0.5 fill consisting of medium brown Sand; 0.5-4.5 fill consisting of dense, dark brown medium Sand, some coarse gravel; 4.5-5.0 fill consisting of damp, brown medium SAND.</i> |
| <b>Notes</b>  | <i>Sample 0-0.5 splp pcbs, 0.5-1.0 pcbs, 3-3.5 pcbs</i>  |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>10</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>   |
| <b>Recovery (inches)</b>  | <i>51</i>   |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>5-7 fill consisting of damp, dark brown medium SAND; 7-10 fill consisting of saturated, dark brown coarse SAND and gravel.</i> |
| <b>Notes</b>  | <i>Sample 7-7.5 pcbs</i>  |

## Boring Log

Record: 619

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-18                        |
| Start Time         | 14:10:00                          |
| End Date           | 2017-07-18                        |
| End Time           | 14:10:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-so-45                   |

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 46   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-1 fco loose dry tan MEDIUM COARSE SAND<br>1-1.5 fco pulverized brick and concrete<br>1.5-5 fco loose moist black fine sandy SILT |

### Samples

|   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 40  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fco dense wet black fine sandy SILT with some gravel |

## Boring Log

Record: 616

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-18                        |
| Start Time         | 13:56:00                          |
| End Date           | 2017-07-18                        |
| End Time           | 13:56:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-so-46                   |

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 39   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 fco loose dry tan MEDIUM SAND<br>0.5-2 fco loose dry brown MEDIUM SAND with little brick<br>2-5 fco medium dense moist black fine sandy SILT |

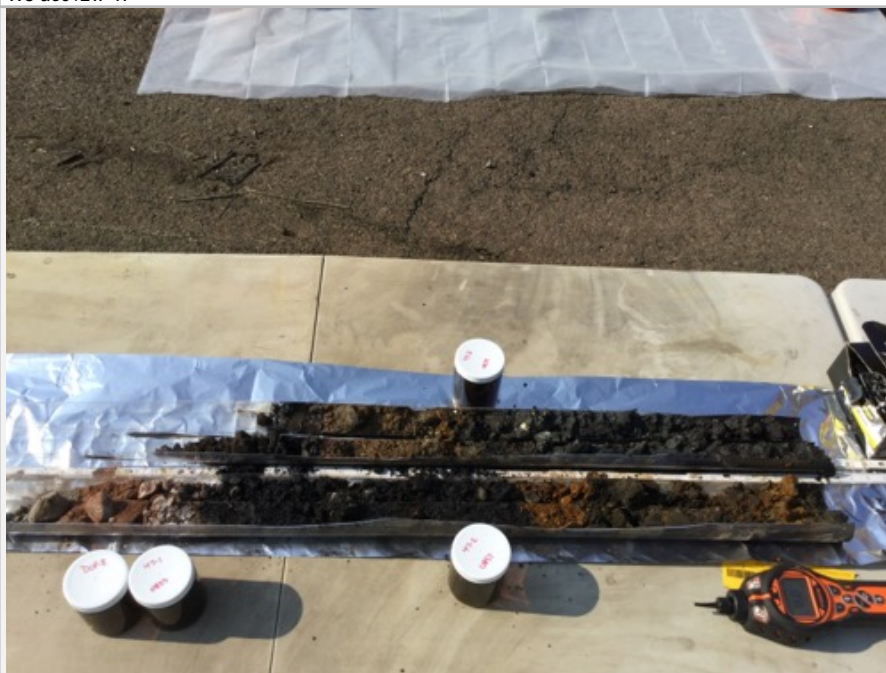
### Samples

|   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 45  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fco dense wet black SILT with organics |

## Boring Log

Record: 124

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-19                        |
| Start Time         | 08:56:00                          |
| End Date           | 2017-07-19                        |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-47                      |
| Boring Photo       |                                   |



|       |   |
|-------|---|
| Notes | Offset 5 ft to the southeast  |
|       | <p>Samples</p> <p>1 and dup-8 @ 0.5-1.2 for total and splp pcbs</p> <p>2 @ 3-3.5 for t pcbs</p> <p>3 @ 7-7.5 for t pcbs</p> |

### Samples

|  |   |
|--|---|
| Depth  | 5   |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 44  |
| Depth (feet)   | 5   |
| PID (ppmv)   | 0   |
| Sample Description & Classification (Modified Burmister) | <p>0-0.5 fco pulverized brick and asphalt</p> <p>0.5-3.5 fco granulated coal</p> <p>3.5-5 fco medium-dense dry orange brown MEDIUM SAND</p> |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 31  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-7 fco medium-dense wet medium brown MEDIUM COARSE SAND<br>7-9 fco dense wet black CLAY with organic<br>9-10 fco medium-dense wet black clayey MEDIUM SAND with organics |

## Boring Log

Record: 181

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-20                        |
| Start Time         | 10:18:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 10:18:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-so-48                   |
| Boring Photo       |                                   |



### Notes

Offset 4 ft north of proposed location due to debris on surface

#### Samples

1 total and splp pcbs with dup-14  
2 total pcbs  
3 total pcbs



| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 40  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-1 fco pulverized brick and asphalt<br>1-2.5 fco granulated coal<br>2.5-5 loose dry orange-black MEDIUM SAND |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 35   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-8 fco loose wet brown MEDIUM COARSE SAND<br>8-10 fco medium dense wet silty CLAY with organics |

## Boring Log

Record: 223

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-19                        |
| Start Time         | 10:35:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 10:35:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 49                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



| Samples  |  |
|--|--|
| Depth  | 5  |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 47   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 0-.5 asphalt and gravel; .5-5 fill consisting of medium brown sand, coarse gravel, coal, little wood |
| Notes  | Samples 0.5-1.0 splp pcbs, 1.0-2.5 etph, pah, ar; 3-3.5 pcbs   |

| Samples  |   |
|--|---|
| Depth  | 10  |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 50  |
| PID (ppmv)   | 0   |
| Sample Description & Classification (Modified Burmister) | 5-10 fill consisting of coarse, brown Sand and gravel saturated |
| Notes  | Sample 7-7.5 pcbs   |

## Boring Log

Record: 508

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-26                        |
| Start Time         | 08:57:00                          |
| End Date           | 2017-07-26                        |
| End Time           | 09:06:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 50                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 48  |
| Sample Description & Classification (Modified<br>Burmister) | 0-1.0 fill consisting of medium, brown SAND; 1.0-5.0 fill consisting of fine red-brown SAND |
| Notes   | 0-0.5 pcbs, 0.5-1.0 pcbs, 1.0-2.0 ethp, pah, ar; 3-3.5 pcbs;                                |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 38   |
| Sample Description & Classification (Modified<br>Burmister) | 5-7 fill consisting of saturated, coarse GRAVEL, little med sand; 7-10 fill consisting of saturated, medium brown SAND and gravel. |
| Notes   | 7-7.5 pcbs   |

## Boring Log

Record: 178

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-20                        |
| Start Time         | 10:08:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 10:08:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-so-51                   |
| Boring Photo       |                                   |



|       |   |
|-------|---|
| Notes | <p>Samples</p> <p>1 total and splp pcbs</p> <p>2 total pcbs</p> <p>3 total pcbs</p> |
|-------|---|

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 44  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | <p>0-1 fco pulverized bricks and asphalt</p> <p>1-4.5 fco granulated coal</p> <p>4.5-5 fco medium dense dry tan-brown silty MEDIUM SAND</p> |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 20  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-7 fco loose wet dark grey silty COARSE SAND<br>7-9 fco dense moist dark grey CLAY<br>9-10 fco dense moist dark grey clayey SILT |

## Boring Log

Record: 226

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-19                        |
| Start Time         | 10:49:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 10:49:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 52                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |





| Samples  |  |
|--|--|
| Depth  | 5  |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 50   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 0-0.5 asphalt and gravel; .5-2 fill consisting of medium, red brown Sand and gravel; 2-5 fill consisting of coal |
| Notes  | Sample 0.5-1.0 splp pcbs; 3-3.5 pcbs;  |

| Samples  |   |
|--|---|
| Depth  | 10  |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 58  |
| Sample Description & Classification (Modified Burmister) | 5-5.5 fill consisting of medium, brown sand and gravel; 5.5-10 fill consisting of saturated coarse, sand and gravel |
| Notes  | Sample 7-7.5  |

## Boring Log

Record: 253

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-20                        |
| Start Time         | 10:09:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 10:10:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 53                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



### Notes

Stepped out from wall 1.5 feet north

| Samples  |   |
|--|---|
| Depth  | 5   |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 45  |
| PID (ppmv)   | 0   |
| Sample Description & Classification (Modified Burmister) | 0-0.5 asphalt; 0.5-2.0 fill consisting medium, brown Sand and coarse, gravel; 2.0-4.5 fill consisting of coal ash; 4.-5.0 fill consisting of coarse, wet, brown sand and gravel |
| Notes  | Samples 0.5-1.0 pcbs splp plus ms/msd; 3-3.5 pcbs   |

| Samples  |  |
|--|--|
| Depth  | 10   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 52   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 5-10.0 fill consisting of wet, brown, coarse sand and gravel |
| Notes  | Sample 7-7.5 pcbs  |

## Boring Log

Record: 127

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-19                        |
| Start Time         | 09:21:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 09:22:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-54                      |
| Boring Photo       |                                   |



|       |   |
|-------|---|
| Notes | <p>Samples</p> <p>1 @ 0.5-1.2 for total and splp pcbs with ms/msd</p> <p>2 @ 3-3.5 for total pcbs</p> <p>3 @ 7-7.5 for total pcbs</p> |
|-------|---|

### Samples

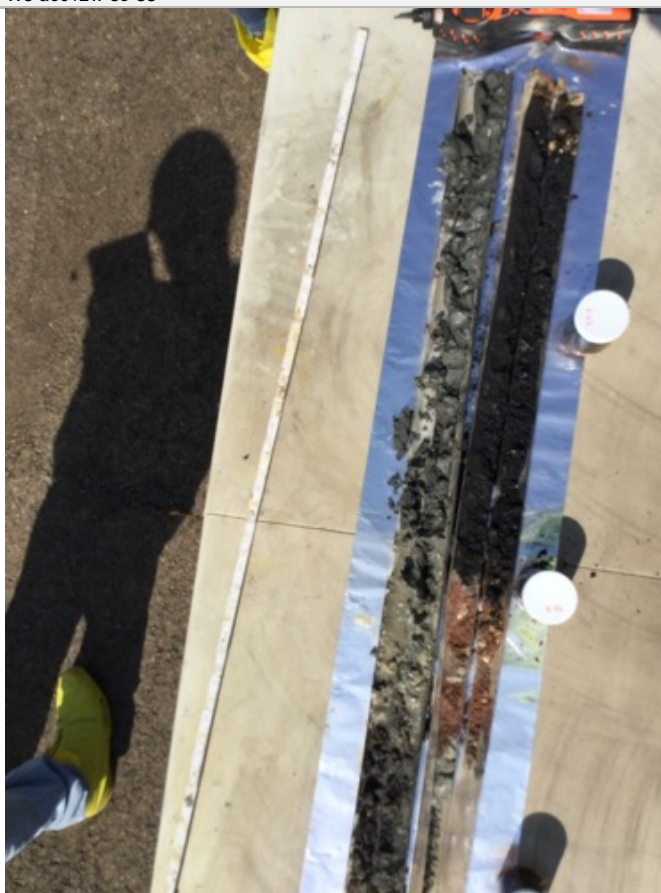
|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 51  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | <p>0-2 fco pulverized brick and asphalt</p> <p>2-4 fco granulated coal</p> <p>4-5 fco medium dense dry brown MEDIUM COARSE SAND</p> |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 29   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-7.5 fco loose wet tan stony MEDIUM SAND<br>7.5-10 fco medium dense wet silty MEDIUM SAND with gravel |

## Boring Log

Record: 175

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-20                        |
| Start Time         | 09:54:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 09:54:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-so-55                   |
| Boring Photo       |                                   |



### Notes

#### Samples

- 1 total and splp pcbs
- 2 total pcbs
- 3 total pcbs

| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 46   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-1.5 fco pulverized bricks and asphalt<br>1.5-5 fco granulated coal |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 54  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-7.5 fco loose wet dark grey silty COARSE SAND<br>7.5-8.5 fco dense moist dark grey CLAY<br>8.5-10 fco dense moist dark grey clayey SILT |



## Boring Log

Record: 229

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-19                        |
| Start Time         | 11:06:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 11:06:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 56                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



### Samples


|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 46  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt and gravel; .5-1.5 fill consisting of medium brown sand and gravel; 1.5-5 fill consisting of coal ash |
| Notes   | Sample 0.5-1 splp pcbs; 1-1.5 pah, 3-3.5 pcbs   |



| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 51   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-6 fill consisting of medium brown sand and gravel; 6-10 fill consisting of wet dense, brown, medium sand<br>and gravel |

## Boring Log

Record: 250

|                               |   |
|-------------------------------|---|
| <b>Boring Company</b>         | Technical Drilling Services, Inc.   |
| <b>Foreman</b>                | Timothy Schiavone   |
| <b>W&amp;S Representative</b> | Will Sirotnak   |
| <b>Start Date</b>             | 2017-07-20  |
| <b>Start Time</b>             | 09:50:00  |
| <b>End Date</b>               | 2017-07-20  |
| <b>End Time</b>               | 10:01:00  |
| <b>Project Name</b>           | UI-English Station  |
| <b>Project Number</b>         | 2170495   |
| <b>AOC Number</b>             | AOC-12W   |
| <b>Boring Number</b>          | 57  |
| <b>Completion Depth</b>       | 10  |
| <b>Boring Photo</b>           |  |
| <b>Notes</b>                  |   |
|                               | Stepped out from wall 1.5 feet north  |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | 5  |
| <b>Penetration (inches)</b>   | 60   |
| <b>Recovery (inches)</b>  | 50   |
| <b>PID (ppmv)</b>   | 0  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | 0-0.5 asphalt; 0.5-1.5 fill consisting medium, brown Sand and coarse, abundant gravel; 1.5-4.5 fill consisting of coal ash; 4.-5.0 fill consisting of coarse, wet, brown sand and gravel |
| <b>Notes</b>  | Samples 0.5-1.0 pcbs splp; 1.0-2.0 etph, ar; 3-3.5 pcbs  |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 59  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-9.0 fill consisting of wet, brown, coarse sand and gravel; 9.0-10' fill consisting of gray fine, damp, dense<br>silt, little sand clay gravel |
| Notes   | Sample 7-7.5 pcbs   |

## Boring Log

### Record: 118

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Will Sirotnak</i>                     |
| <b>Start Date</b>             | <i>2017-07-19</i>                        |
| <b>Start Time</b>             | <i>09:30:00</i>                          |
| <b>End Date</b>               | <i>2017-07-19</i>                        |
| <b>End Time</b>               | <i>09:30:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>58</i>                                |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>5</i>  |
| <b>Penetration (inches)</b>   | <i>60</i>   |
| <b>Recovery (inches)</b>  | <i>55</i>   |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-.5 asphalt; .5-5 fill consisting of coal ash with little brown sand and gravel</i> |
| <b>Notes</b>  | <i>Sample 0.5-1.0 splp pcbs, 1.0-2.0 splp etph, ar, 3.0-3.5 pcbs</i>                    |

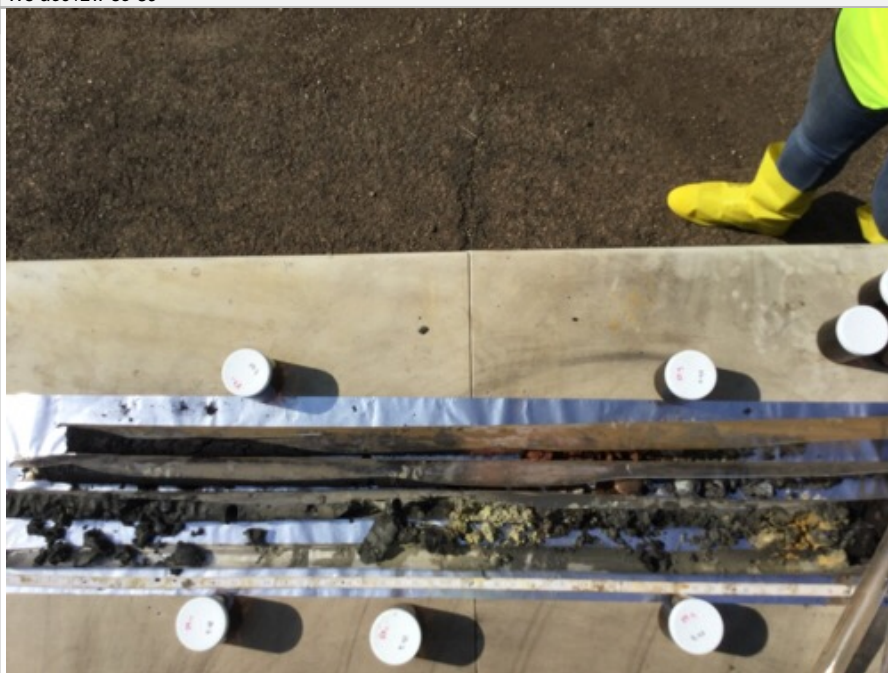
### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>10</i>  |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>60</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>5-10 wet fill consisting of medium brown sand, little gravel, little coal</i> |
| <b>Notes</b>  | <i>Sample 7-7.5 pcbs</i>   |

## Boring Log

Record: 172

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-20                        |
| Start Time         | 09:23:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 09:23:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-so-59                   |
| Boring Photo       |                                   |



|       |   |
|-------|---|
| Notes | <p>Samples</p> <p>1 total and splp pcbs with ms/msd</p> <p>2 total pcbs</p> <p>3 total pcbs</p> |
|-------|---|

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 46  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | <p>0-1.5 fco pulverized bricks and asphalt</p> <p>1.5-5 fco granulated coal</p> |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 52  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-7.5 fco loose wet dark grey silty COARSE SAND<br>7.5-9 fco dense moist dark grey CLAY<br>9-10 fco dense moist dark grey clayey SILT |

## Boring Log

Record: 232

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Will Sirotnak</i>                     |
| <b>Start Date</b>             | <i>2017-07-19</i>                        |
| <b>Start Time</b>             | <i>11:28:00</i>                          |
| <b>End Date</b>               | <i>2017-07-19</i>                        |
| <b>End Time</b>               | <i>11:28:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>60</i>                                |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>5</i>  |
| <b>Penetration (inches)</b>   | <i>60</i>   |
| <b>Recovery (inches)</b>  | <i>46</i>   |
| <b>PID (ppmv)</b>   | <i>0</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-.5 asphalt; .5-2.0 fill consisting of medium, red brown sand, little gravel; 2.0-5.0 fill consisting of coal ash</i> |
| <b>Notes</b>  | <i>Samples 0-0.5 splp pcbs plus ms/msd; .5-1.5 etph, pah, ar plus ms/msd; 3-3.5 pcbs</i>                                  |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>10</i>  |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>55</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>5-10 fill consisting of saturated coarse, brown sand and gravel</i> |
| <b>Notes</b>  | <i>Sample 7-7.5 pcbs</i>   |

## Boring Log

Record: 247

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-20                        |
| Start Time         | 09:36:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 09:47:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 61                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



### Notes

Stepped out from wall 1.5 feet north



| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 50   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-1.5 fill consisting medium, brown Sand and gravel; 1.5-4.5 fill consisting of coal ash;<br>4.-5.0 fill consisting of coarse, wet, brown sand and gravel |
| Notes   | Samples 0.5-1.0 pcbs splp; 3-3.5 pcbs  |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 58  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-8.5 fill consisting of wet, brown, coarse sand and gravel; 8.5-10' fill consisting of gray fine, damp, dense<br>silt, little sand clay gravel |
| Notes   | Sample 7-7.5 pcbs   |

## Boring Log

Record: 235

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-19                        |
| Start Time         | 11:35:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 11:35:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 62                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



| Samples  |   |
|--|---|
| Depth  | 5   |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 52  |
| PID (ppmv)   | 0   |
| Sample Description & Classification (Modified Burmister) | 0-5 asphalt and gravel; .5-1.2 fill consisting of medium, red brown sand and coarse gravel; 1.2-5 fill consisting of coal ash |
| Notes  | Sample 0.5-1.0 splp pcbs; 3-3.5 pcbs  |

| Samples  |   |
|--|---|
| Depth  | 10  |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 59  |
| PID (ppmv)   | 0   |
| Sample Description & Classification (Modified Burmister) | 5-8 fill consisting of coarse, wet, brown sand and gravel; 8-10 fill consisting of damp, brown fine sand and silt |
| Notes  | Samplen7-7.5 pcbs   |

## Boring Log

Record: 244

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-20                        |
| Start Time         | 09:20:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 09:30:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 63                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



### Notes

Stepped out from wall 1.5 feet north

| Samples  |   |
|--|---|
| Depth  | 5   |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 47  |
| PID (ppmv)   | 0   |
| Sample Description & Classification (Modified Burmister) | 0-0.5 asphalt; 0.5-1.5 fill consisting medium, brown Sand and gravel; 1.5-4.5 fill consisting of coal ash; 4.-5.0 fill consisting of coarse, wet, brown sand and gravel |
| Notes  | Samples 0.5-1.0 pcbs splp; 1.0-1.5 pah; 3-3.5 pcbs  |

| Samples  |  |
|--|--|
| Depth  | 10   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 58   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 5-8.5 fill consisting of wet, brown, coarse sand and gravel; 8.5-10' fill consisting of gray fine, damp, dense silt, little sand clay gravel |
| Notes  | Sample 7-7.5 pcbs  |

## Boring Log

Record: 130

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-19                        |
| Start Time         | 09:46:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 09:46:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-64                      |
| Boring Photo       |                                   |



### Notes

Offset 5 ft south due to no recovery 5-10 at original location

#### Samples

1a@0.5-1 total splp pcbs  
 1b@1-1.5 etph and arsenic  
 2@3-3.5 t pcbs

No recovery on 5-10 on two attempts

| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 46   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-1 fco pulverized bricks and asphalt<br>1-4.5 fco granulated coal<br>4.5-5 fco medium dense moist grey silty CLAY |

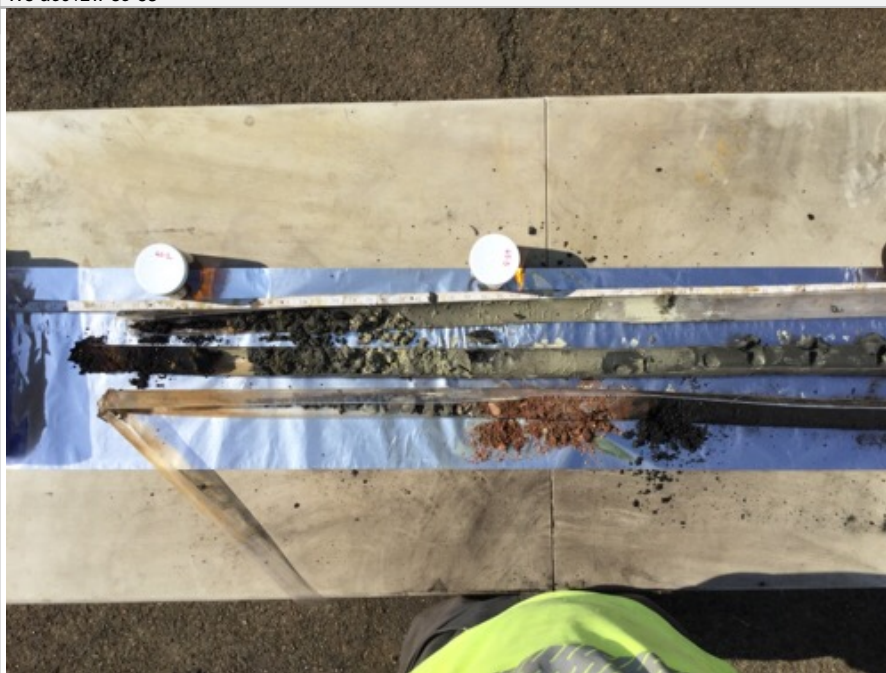
| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 45   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-6 fco loose moist tan MEDIUM SAND<br>6-7.5 fco dense wet tan silty CLAY<br>7.5-8 fco loose wet black gravelly CLAY with medium sand<br>8-10 fco dense wet dark grey silty CLAY |



## Boring Log

Record: 169

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-20                        |
| Start Time         | 08:55:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 08:55:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-so-65                   |
| Boring Photo       |                                   |



|       |   |
|-------|---|
| Notes | <p>Samples</p> <p>1 total and splp pcbs with dup-13</p> <p>2 total pcbs</p> <p>3 total pcbs</p> |
|-------|---|

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 40  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | <p>0-1.5 fco pulverized bricks and asphalt</p> <p>1.5-5 fco granulated coal</p> |



| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 48  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-6.5 fco loose wet dark grey silty COARSE SAND<br>6.5-8 fco dense moist dark grey CLAY<br>8-10 fco dense moist dark grey clayey SILT |

## Boring Log

Record: 238

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-19                        |
| Start Time         | 11:51:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 11:51:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 66                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



| Samples  |  |
|--|--|
| Depth  | 5  |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 45   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 0-0.5 asphalt; .5-1.5 fill consisting of medium sand and gravel; 1.5-5 fill consisting of coal ash |
| Notes  | Samples 0.5-1..2 pcbs splp plus ms/msd; 3-3.5 pcbs   |

| Samples  |  |
|--|--|
| Depth  | 10   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 60   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 5-8.5 fill consisting of wet, brown, coarse sand and gravel; 8.5-10' fill consisting of gray fine, dense silt, little sand clay gravel |

## Boring Log

### Record: 121

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Will Sirotnak</i>                     |
| <b>Start Date</b>             | <i>2017-07-19</i>                        |
| <b>Start Time</b>             | <i>10:18:00</i>                          |
| <b>End Date</b>               | <i>2017-07-19</i>                        |
| <b>End Time</b>               | <i>10:18:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>67</i>                                |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>5</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>47</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0-.5 asphalt; .5-1.0 fill consisting of medium red brown sand and gravel; 1-4.5 fill consisting of coal ash;<br/>4.5-5 fill consisting of dense, med, brown sand.</i> |
| <b>Notes</b>  | <i>Sample 0.5-1.0 splp pcbs; 3-3.5 pcbs;</i>   |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>10</i>  |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>44</i>  |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>5-10 fill consisting of saturated coarse, brown sand and gravel</i> |
| <b>Notes</b>  | <i>Sample 7-7.5 pcbs</i>   |

## Boring Log

Record: 166

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-20                        |
| Start Time         | 08:49:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 08:49:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-68                      |
| Boring Photo       |                                   |



|       |   |
|-------|---|
| Notes | <p>Samples</p> <p>1a total and splp pcbs with ms/msd</p> <p>1b total pahs</p> <p>2 total pcbs</p> <p>3 total pcbs</p> |
|-------|---|

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 47  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | <p>0-1 fco pulverized bricks and asphalt</p> <p>1-4.5 fco granulated coal</p> <p>4.5-5 fco dense dry yellow coarse sandy red CLAY</p> |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 45  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-5.5 fco medium-dense dry yellow silty MEDIUM SAND<br>5.5-10 fco dense moist dark grey CLAY with some organics |

## Boring Log

Record: 148

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-19                        |
| Start Time         | 13:30:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 13:30:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-69                      |
| Boring Photo       |                                   |



### Samples

|  |  |
|--|--|
| Depth  | 5  |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 44   |
| Depth (feet)   | 5  |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 0-1.5 fco pulverized bricks and asphalt<br>1.5-5 fco granulated coal |



## Boring Log

Record: 301

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-20                        |
| Start Time         | 09:05:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 08:52:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 70                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



### Notes

Stepped out from wall 3.5 feet north



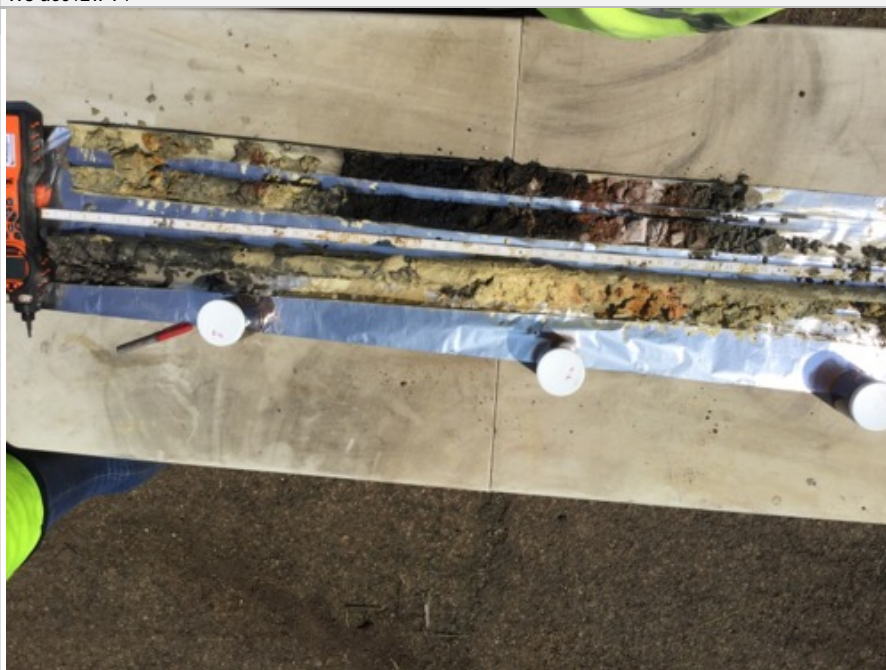
| Samples  |  |
|--|--|
| Depth  | 5  |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 45   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 0-1.5 fill consisting medium, brown Sand and gravel; 1.5-4.5 fill consisting of coal ash; 4.-5.0 fill consisting of coarse, wet, brown sand and gravel |
| Notes  | Samples 0.0-0.5 pcbs splp; 0.5-1.0 pcbs; 1.0-2.0 etph, ar; 3-3.5 pcbs  |

| Samples  |   |
|--|---|
| Depth  | 10  |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 50  |
| PID (ppmv)   | 0.2   |
| Sample Description & Classification (Modified Burmister) | 5-8.5 fill consisting of wet, brown, coarse sand and gravel, little wood; 8.5-10' fill consisting of gray fine, dense silt, little sand clay gravel |
| Notes  | Sample 7-7.5 pcbs   |

## Boring Log

Record: 133

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-19                        |
| Start Time         | 10:42:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 10:42:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-71                      |
| Boring Photo       |                                   |



|       |   |
|-------|---|
| Notes | <p>Samples</p> <p>1 @ 0.5-1 total splp pcbs</p> <p>2 @ 3-3.5 total pcbs</p> <p>3 @ 7-7.5 total pcbs</p> |
|-------|---|

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 42  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | <p>0-1 fco pulverized bricks and asphalt</p> <p>1-3.5 fco granulated coal</p> <p>3.5-5 fco medium dense dry tan fine sandy CLAY</p> |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 50   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-6.5 fco medium dense wet tan CLAY<br>6.5-8 fco loose wet tan clayey GRAVEL<br>8-10 fco dense wet dark grey CLAY with little gravel |

## Boring Log

Record: 163

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-19                        |
| Start Time         | 14:47:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 14:47:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-72                      |
| Boring Photo       |                                   |



|       |                           |
|-------|---------------------------|
| Notes | Dup - 12 on 72-2 for pcbs |
|-------|---------------------------|

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 42  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-1 fco pulverized brick and asphalt<br>1-5 fco granulated coal |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 47   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-7 fco loose wet grey-brown silty COARSE SAND<br>7-10 fco dense moist dark grey CLAY with organcs |

## Boring Log

Record: 742

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Tim Schiavone</i>                     |
| <b>Start Date</b>             | <i>2017-07-19</i>                        |
| <b>Start Time</b>             | <i>13:30:00</i>                          |
| <b>End Date</b>               | <i>2017-07-19</i>                        |
| <b>End Time</b>               | <i>14:00:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>73</i>                                |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>0</i>  |
| <b>Penetration (inches)</b>   | <i>60</i>   |
| <b>Recovery (inches)</b>  | <i>32</i>   |
| <b>Depth (feet)</b>   | <i>5</i>  |
| <b>PID (ppmv)</b>   | <i>0.1</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>1" asphalt<br/>6" brick and pulverized concrete with trace fill sand (red)<br/>20" coal ash (fill)<br/>5" moist orange/brown coarse sand with some gravel and trace silt</i> |
| <b>Notes</b>  | <i>Sample PCBs - WS-AOC-12W-SO-73-1A (0.5-6"). ETPH/PAHs - WS-AOC-12W-SO-73-1B (6"-1.5'). PCBs - WS-AOC-12W-SO-73-2 (3-3.5'). PCBs- WS-AOC-12W-SO-73-3 (7-7.5')</i>             |

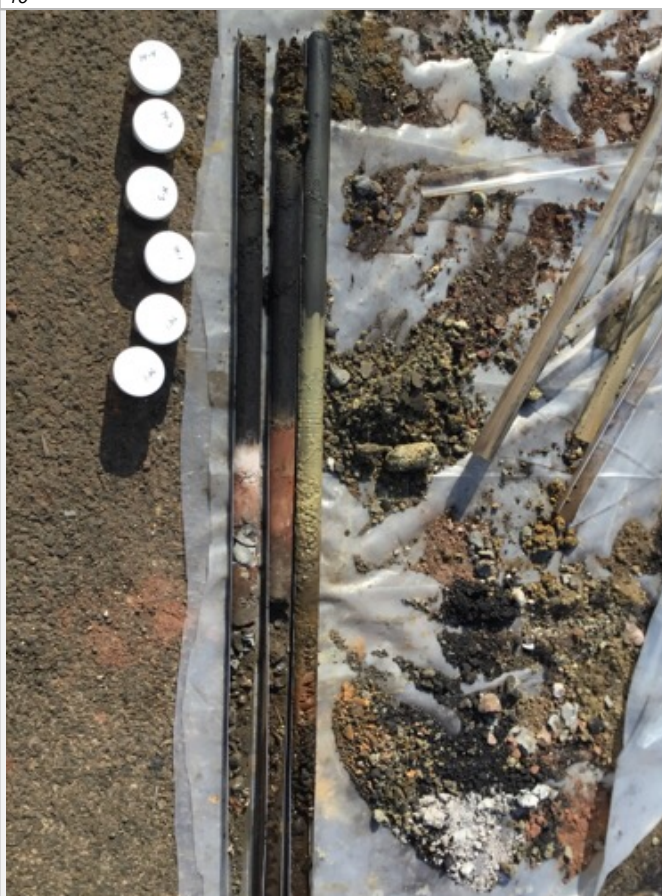
### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>10</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>   |
| <b>Recovery (inches)</b>  | <i>60</i>   |
| <b>Depth (feet)</b>   | <i>10</i>   |
| <b>PID (ppmv)</b>   | <i>0.2</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>Top 30" wet brown gravely sand with trace silt. Bottom 30" wet dark gray silty sand with trace clay.</i> |
| <b>Notes</b>  | <i>See sampels in 0-5' log</i>  |

## Boring Log

Record: 241

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-20                        |
| Start Time         | 08:47:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 08:51:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 74                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



| Samples  |   |
|--|---|
| Depth  | 5   |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 49  |
| PID (ppmv)   | 0   |
| Sample Description & Classification (Modified Burmister) | 0-2.5 fill consisting medium, brown Sand and gravel; asphalt; 2.5-4.5!fill consisting of coal ash; 4.-5.0 fill consisting of coarse, wet, brown sand and gravel |
| Notes  | Samples 0.0-0.5 pcbs splp plus ms/msd; 0.5-1.0 pcbs; 3-3.5 pcbs   |

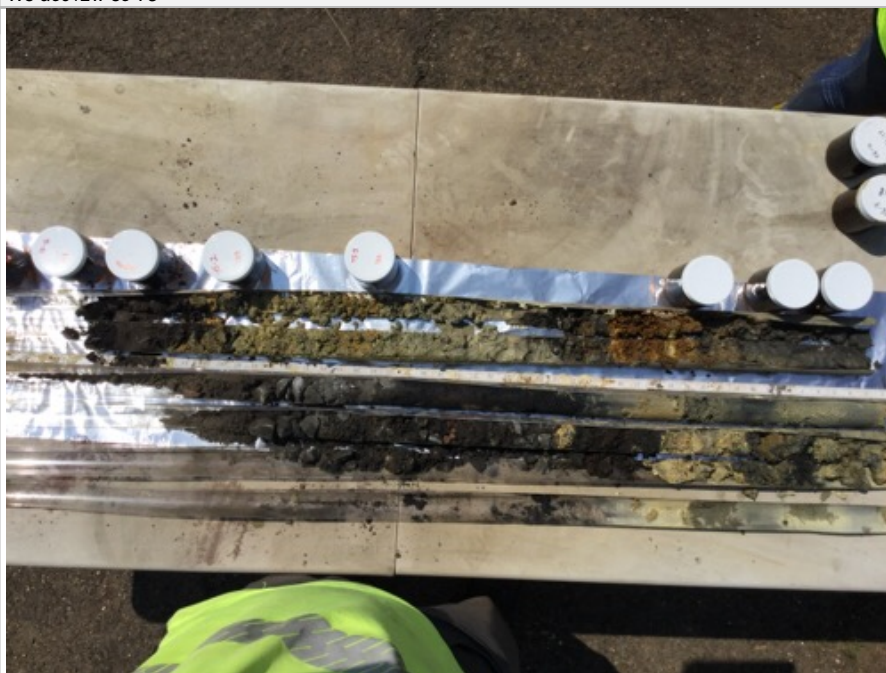
| Samples  |  |
|--|--|
| Depth  | 10   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 56   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 5-8.5 fill consisting of wet, brown, coarse sand and gravel; 8.5-10' fill consisting of gray fine, dense silt, little sand clay gravel |
| Notes  | 7-7.5 pcbs   |



## Boring Log

Record: 136

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-19                        |
| Start Time         | 11:08:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 11:09:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-so-75                   |
| Boring Photo       |                                   |



|       |   |
|-------|---|
| Notes | <p>Sample</p> <p>1 @ 0-0.5 total pcbs</p> <p>2a @ 0.5-1 total and splp pcbs (dup-9a)</p> <p>2b @ 1-1.5 etph pahs arsenic (dup-9b)</p> <p>3 @ 3-3.5 total pcbs</p> <p>4 @ 7-7.5 total pcbs</p> |
|-------|---|

### Samples

|  |   |
|--|---|
| Depth  | 5   |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 42  |
| Depth (feet)   | 5   |
| PID (ppmv)   | 0   |
| Sample Description & Classification (Modified Burmister) | <p>0-0.5 fco loose dry brown MEDIUM FINE SAND</p> <p>0.5-3 fco pulverized asphalt and granulated coal</p> <p>3-5 fco medium dense wet tan fine sandy CLAY</p> |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 46  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-8 fco loose wet tan gravelly SILT with some clay<br>8-9 fco loose wet brown gravelly MEDIUM SAND<br>9-10 fco dense moist black CLAY |

## Boring Log

Record: 160

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-19                        |
| Start Time         | 14:40:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 14:40:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-76                      |
| Boring Photo       |                                   |



|       |                     |
|-------|---------------------|
| Notes | Normal sampling - 4 |
|-------|---------------------|

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 43   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 fco loose dry brown MEDIUM SAND<br>0.5-1.5 fco pulverized bricks and asphalt<br>1.5-4.5 fco granulated coal<br>4.5-5 fco loose dry red-brown MEDIUM SAND |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 50   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-7.5 fco loose moist tan-brown silty MEDIUM SAND<br>7.5-10 fco dense moist dark grey CLAY with organics |

## Boring Log

Record: 745

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Tim Schiavone                     |
| Start Date         | 2017-07-19                        |
| Start Time         | 13:30:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 14:08:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 77                                |
| Completion Depth   | 10                                |

### Samples

|   |  |
|---|--|
| Depth   | 0  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 39   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0.1  |
| Sample Description & Classification (Modified<br>Burmister) | 8" black fill coarse sand with gravel<br>6" brick and pulverized concrete with trace fill sand (red)<br>20" coal ash (fill)<br>5" moist orange/brown coarse sand with some gravel and trace silt |
| Notes   | PCBs - WS-AOC-12W-SO-77-1, WS-AOC-12W-SO-77-2, WS-AOC-12W-SO-77-3, WS-AOC-12W-SO-77-4  |

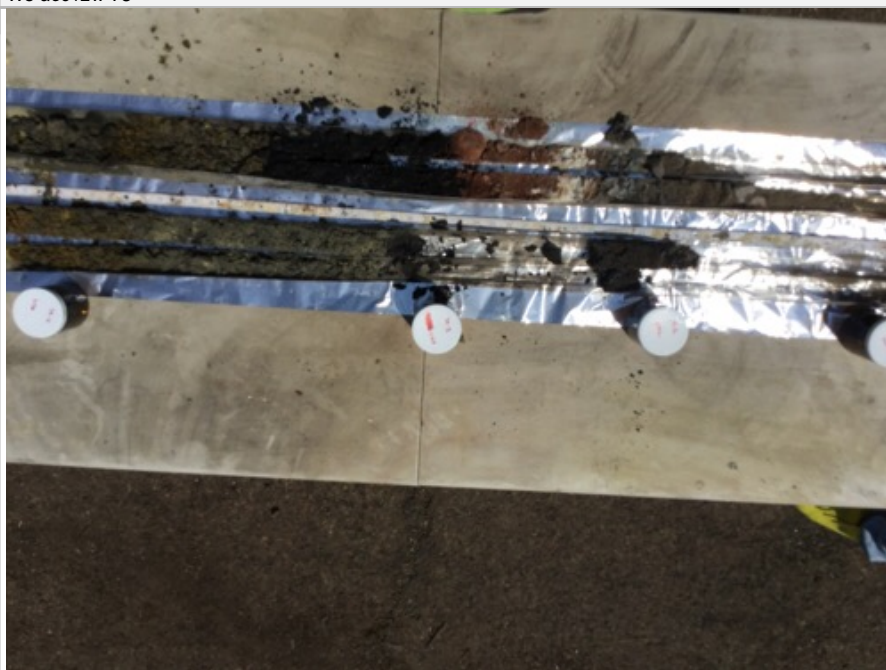
### Samples

|   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 60  |
| Depth (feet)  | 10  |
| PID (ppmv)  | 0.2   |
| Sample Description & Classification (Modified<br>Burmister) | Top 40" wet brown gravelly sand with trace silt. Bottom 20" wet dark gray silty sand with trace clay. |
| Notes   | See sampels in 0-5' log   |

## Boring Log

Record: 139

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-19                        |
| Start Time         | 11:35:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 11:36:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-78                      |
| Boring Photo       |                                   |



|       |   |
|-------|---|
| Notes | <p>Samples</p> <p>1 @ 0-0.5 total pcbs</p> <p>2 @ 0.5-1 total and splp pcbs</p> <p>3 @ 3-3.5 total pcbs</p> <p>4 @ 7-7.5 total pcbs</p> |
|-------|---|

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 46  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | <p>0-0.5 fco loose dry brown MEDIUM SAND</p> <p>0.5-1.5 fco pulverized brick and asphalt</p> <p>1.5-3 fco granulated coal</p> <p>3-5 fco loose moist brown clayey COARSE SAND</p> |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 25  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fco loose wet grey-brown clayey COARSE SAND with some gravel |

## Boring Log

Record: 157

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-19                        |
| Start Time         | 14:20:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 14:20:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-79                      |
| Boring Photo       |                                   |



Notes

2b etph arsenic pah



| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 46   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 fco loose dry brown MEDIUM SAND<br>0.5-1 fco pulverized bricks and asphalt<br>1-3 fco granulated coal<br>3-5 fco medium dense dry grey fine sandy SILT |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 43   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fco medium dense wet tan silty brown MEDIUM COARSE SAND |

## Boring Log

Record: 748

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Tim Schiavone</i>                     |
| <b>Start Date</b>             | <i>2017-07-19</i>                        |
| <b>Start Time</b>             | <i>14:14:00</i>                          |
| <b>End Date</b>               | <i>2017-07-19</i>                        |
| <b>End Time</b>               | <i>14:27:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>80</i>                                |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>0</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>38</i>  |
| <b>Depth (feet)</b>   | <i>5</i>   |
| <b>PID (ppmv)</b>   | <i>0.1</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>4" fill coarse sand with gravel.<br/>6" Red/brown fill sand with brick and gravel.<br/>12" - black coal ash fill.<br/>Bottom wet coarse sand with gravel.</i> |
| <b>Notes</b>  | <i>PCBs - WS-AOC-12W-SO-80-1 (0-0.5), WS-AOC-12W-SO-80-2 (0.5-1'), WS-AOC-12W-SO-80-3 (3-3.5'),<br/>WS-AOC-12W-SO-80-4 (7-7.5')</i>                              |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>10</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>   |
| <b>Recovery (inches)</b>  | <i>60</i>   |
| <b>Depth (feet)</b>   | <i>10</i>   |
| <b>PID (ppmv)</b>   | <i>0.2</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>Top 20" wet fill brown gravely sand with trace silt. Bottom 20" wet fill dense coarse sand and gravel. Bottom<br/>20" wet black fill coarse sand with trace wood and coal ash.</i> |
| <b>Notes</b>  | <i>See sampels in 0-5' log</i>  |

## Boring Log

Record: 142

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-19                        |
| Start Time         | 11:50:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 11:50:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-81                      |
| Boring Photo       |                                   |



### Notes

#### Samples

- 1 @ 0-0.5 total pcbs
- 2 @ 0.5-1.2 total and splp pcbs (dup-10)
- 3 @ 3-3.5 total pcbs
- 4 @ 7-7.5 total pcbs

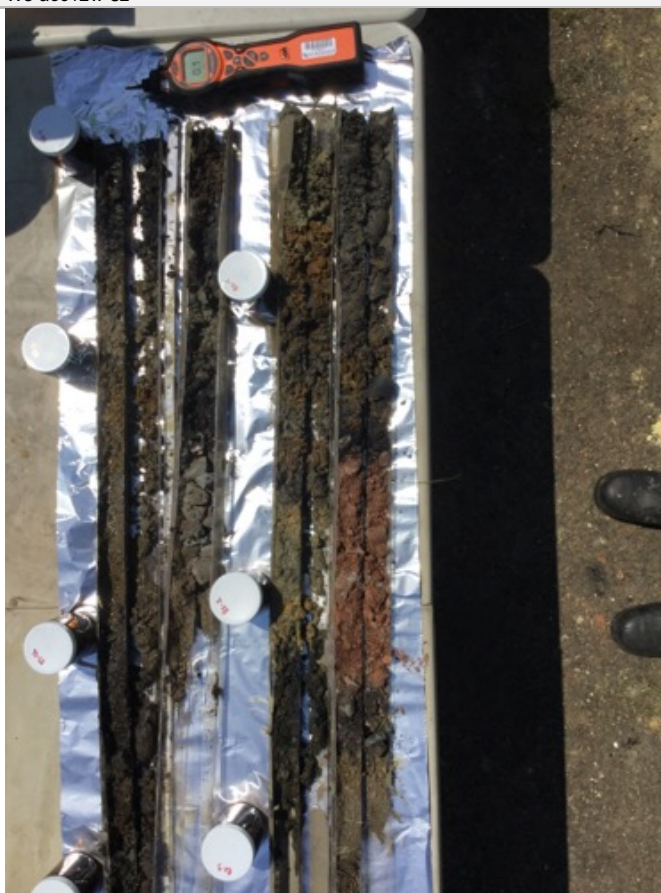
| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 42  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fco loose wet grey gravelly MEDIUM SAND with some clay |

| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 34   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 fco loose dry brown MEDIUM SAND<br>0.5-3 fco pulverized bricks and asphalt<br>3-4 fco granulated coal<br>4-5 fco loose moist brown MEDIUM SAND |

## Boring Log

Record: 154

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-19                        |
| Start Time         | 13:56:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 13:56:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-82                      |
| Boring Photo       |                                   |



### Notes

#### Samples

- 1 total pcbs
- 2 splp and total pcbs
- 3 total pcbs
- 4 total pcbs

| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 42  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-1 fco loose dry brown MEDIUM SAND<br>1-3 fco pulverized bricks and asphalt<br>3-5 fco loose moist dark grey silty COARSE SAND with little pulverized coal |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 44  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-6 fco medium dense wet black fine sandy SILT<br>6-10 fco medium dense wet red-black silty COARSE SAND |

## Boring Log

### Record: 751

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Tim Schiavone                     |
| Start Date         | 2017-07-19                        |
| Start Time         | 14:33:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 14:44:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 83                                |
| Completion Depth   | 10                                |

### Samples

|   |   |
|---|---|
| Depth   | 0   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 28  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0.1   |
| Sample Description & Classification (Modified<br>Burmister) | 4" fill coarse sand with gravel.<br>2" Red/brown fill sand with brick and gravel.<br>12" - black coal ash fill.<br>Bottom wet coarse sand with gravel.                              |
| Notes   | PCBs - PCBs - WS-AOC-12W-SO-83-1 (0-0.5'), WS-AOC-12W-SO-83-2A (0.5-1'), PAHs/ETPH/As - WS-AOC-12W-SO-83-2B 1-1.5', PCBs - WS-AOC-12W-SO-83-3 (3-3.5'), WS-AOC-12W-SO-83-4 (7-7.5') |

### Samples

|   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 40  |
| Depth (feet)  | 10  |
| PID (ppmv)  | 0.2   |
| Sample Description & Classification (Modified<br>Burmister) | Top 20" wet fill brown gravelly sand with trace silt. Bottom 20" wet fill dense coarse sand and gravel. |
| Notes   | See sampels in 0-5' log   |

## Boring Log

Record: 145

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-19                        |
| Start Time         | 12:08:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 12:08:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-84                      |
| Boring Photo       |                                   |



### Notes

Offset 4 ft to the west due to refusal at the proposed location (twice - 3 ft concrete)

#### Samples

- 1 @ 0-0.5 total pcbs
- 2a @ 0.5-1 total and splp pcbs
- 2b @ 1-1.5 total and splp etph and total arsenic
- 3 @ 3-3.5 total pcbs
- 4 @ 7-7.5 total pcbs



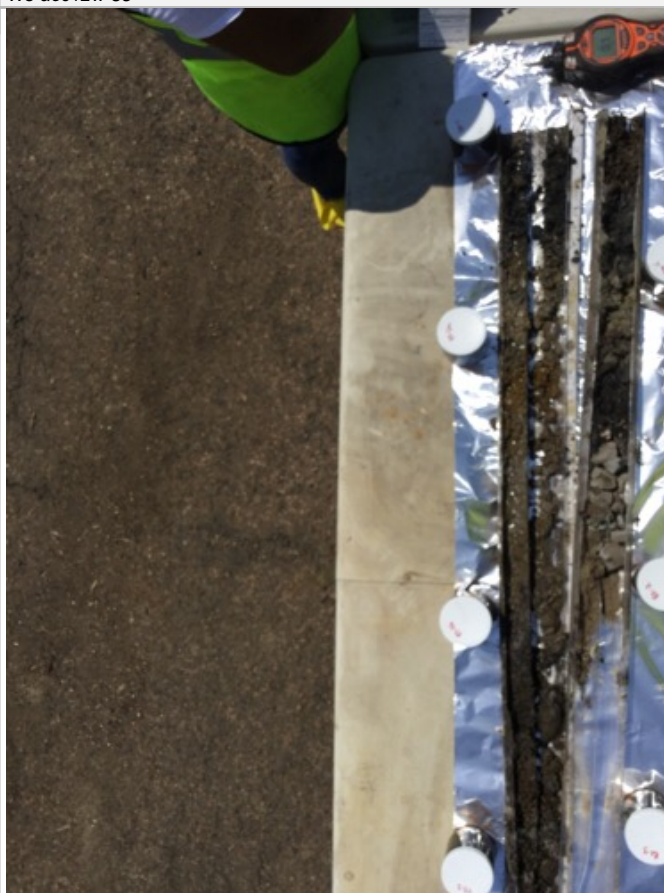
| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 37  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-1 fco loose dry tan MEDIUM SAND<br>1-3.5 fco granulated coal with little concrete stones<br>3.5-5 fco loose moist black clayey MEDIUM COARSE SAND |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 33   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-7 fco loose wet black SILT<br>7-10 fco loose wet brown silty MEDIUM COARSE SAND with some gravel |
| Notes   |  |

## Boring Log

Record: 151

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-19                        |
| Start Time         | 13:46:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 13:46:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-85                      |
| Boring Photo       |                                   |



|       |   |
|-------|---|
| Notes | <p>Samples</p> <p>1 @ 0-0.5 total pcbs</p> <p>2a total and splp pcbs</p> <p>2b total pans</p> <p>3 total pcbs</p> <p>4 total pcbs</p> |
|-------|---|

| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 36  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 fco loose dry brown MEDIUM SAND<br>0.5-1 fco pulverized asphalt<br>1-5 fco loose dry dark grey clayey COARSE SAND |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 47  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 loose wet dark brown silty COARSE SAND |

## Boring Log

### Record: 754

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Tim Schiavone                     |
| Start Date         | 2017-07-19                        |
| Start Time         | 14:33:00                          |
| End Date           | 2017-07-19                        |
| End Time           | 14:50:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 86                                |
| Completion Depth   | 10                                |

### Samples

|   |   |
|---|---|
| Depth   | 0   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 32  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0.1   |
| Sample Description & Classification (Modified<br>Burmister) | 6" fill coarse sand with gravel.<br>2" Red/brown fill sand with brick and gravel.<br>12" - black coal ash fill.<br>Bottom wet fill coarse sand with gravel. |
| Notes   | PCBs - WS-AOC-12W-SO-86-1(0-0.5'), WS-AOC-12W-SO-86-2 (0.5-1'), WS-AOC-12W-SO-86-3 (3-3.5'), WS-AOC-12W-SO-86(7-7.5')                                       |

### Samples

|   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 40  |
| Depth (feet)  | 10  |
| PID (ppmv)  | 0.2   |
| Sample Description & Classification (Modified<br>Burmister) | Top 20" wet fill brown gravelly sand with trace silt. Bottom 20" wet fill dense coarse sand and gravel. |
| Notes   | See sampels in 0-5' log   |

## Boring Log

### Record: 757

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i> |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>                 |
| <b>W&amp;S Representative</b> | <i>Tim Schiavone</i>                     |
| <b>Start Date</b>             | <i>2017-07-19</i>                        |
| <b>Start Time</b>             | <i>14:52:00</i>                          |
| <b>End Date</b>               | <i>2017-07-19</i>                        |
| <b>End Time</b>               | <i>14:57:00</i>                          |
| <b>Project Name</b>           | <i>UI-English Station</i>                |
| <b>Project Number</b>         | <i>2170495</i>                           |
| <b>AOC Number</b>             | <i>AOC-12W</i>                           |
| <b>Boring Number</b>          | <i>87</i>                                |
| <b>Completion Depth</b>       | <i>10</i>                                |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>0</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>30</i>  |
| <b>Depth (feet)</b>   | <i>5</i>   |
| <b>PID (ppmv)</b>   | <i>0.1</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>5" fill coarse sand with gravel.<br/>1" Red/brown fill sand with brick and gravel.<br/>10" - black coal ash fill.<br/>Bottom wet fill coarse sand with gravel.</i>  |
| <b>Notes</b>  | <i>PCBs - WS-AOC-12W-SO-87-1(0-0.5'), WS-AOC-12W-SO-87-2A (0.5-1'), ETOH/PAHs/As<br/>WS-AOC-12W-SO-87-2B, WS-AOC-12W-SO-87-3 (3-3.5'), WS-AOC-12W-SO-87-4 (7-7.5')</i> |

### Samples

|   |   |
|---|---|
| <b>Depth</b>  | <i>10</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>   |
| <b>Recovery (inches)</b>  | <i>40</i>   |
| <b>Depth (feet)</b>   | <i>10</i>   |
| <b>PID (ppmv)</b>   | <i>0.2</i>  |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>wet black fill dense coarse sand and gravel.</i> |
| <b>Notes</b>  | <i>See sampels in 0-5' log</i>                      |

## Boring Log

Record: 184

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-20                        |
| Start Time         | 13:11:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 13:11:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-so-88                   |
| Boring Photo       |                                   |



|       |   |
|-------|---|
| Notes | <p>Refusal at 6.5</p> <p>Samples</p> <p>1 at 0-0.5 total pcbs</p> <p>2a@0.5-1 total pcbs and splp</p> <p>2b@1-1.5 etph total and splp</p> <p>3@3-3.5 total pcbs</p> <p>4@6-6.5 total pcbs</p> |
|-------|---|

| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 40  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-1 fco loose dry brown MEDIUM FINE SAND<br>1-1.5 fco loose dry black silty FINE SAND<br>1.5-2.5 fco loose dry tan MEDIUM SAND<br>2.5-3.5 fco pulverized concrete<br>3.5-4.5 fco loose dry black silty FINE SAND<br>4.5-5 fco loose dry tan MEDIUM SAND |

| Samples   |  |
|---|--|
| Depth   | 6.5                                      |
| Penetration (inches)  | 18                                       |
| Recovery (inches)   | 9  |
| Depth (feet)  | 6.5                                      |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-6.5 loose wet brown MEDIUM COARSE SAND |

## Boring Log

Record: 259

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-20                        |
| Start Time         | 13:16:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 13:34:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 89                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



Notes



| Samples  |  |
|--|--|
| Depth  | 5  |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 48   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 0-1.0 fill consisting of medium to fine sand and gravel; 1.0-5.0'fill consisting of medium, brown Sand and coarse, gravel. |
| Notes  | Samples 0.0-0.5 pcbs; 0.5-1.0 pcb; 3-3.5 pcbs  |

| Samples  |   |
|--|---|
| Depth  | 10  |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 45  |
| PID (ppmv)   | 4.5   |
| Sample Description & Classification (Modified Burmister) | 5-10 fill consisting of wet, dark brown, coarse sand and gravel. Weathered petroleum odor in water column throughout sleeve |
| Notes  | Sample 7-7.5 pcbs; 7.5-8 etph   |

## Boring Log

Record: 262

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-20                        |
| Start Time         | 13:33:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 13:50:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 90                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



Notes

| Samples  |   |
|--|---|
| Depth  | 5   |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 50  |
| PID (ppmv)   | 0   |
| Sample Description & Classification (Modified Burmister) | 0-1.0 fill consisting of medium to fine sand and gravel; 1.0-2.0 fill consisting of medium, brown Sand and coarse, gravel; 2.0-5.0 fill consisting of coarse brown sand |
| Notes  | Samples 0.0-0.5 pcbs; 0.5-1.0 pcb; 3-3.5 pcbs   |

| Samples  |   |
|--|---|
| Depth  | 10  |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 45  |
| PID (ppmv)   | 14  |
| Sample Description & Classification (Modified Burmister) | 5-7.5 fill consisting of damp, coarse brown SAND; 7.5-10 fill consisting of wet, dark brown, coarse sand and gravel. Weathered petroleum odor 7.5-9.0 |
| Notes  | Sample 7-7.5 pcbs; 7.5-8 etph   |

## Boring Log

Record: 265

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-20                        |
| Start Time         | 13:55:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 14:05:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 91                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



Notes

| Samples  |  |
|--|--|
| Depth  | 5  |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 50   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 0-1.0 fill consisting of medium to fine sand and gravel; 1.0-5.0 fill consisting of medium, brown Sand and coarse, gravel. |
| Notes  | Samples 0.0-0.5 pcbs plus dup 15; 0.5-1.0 pcb; 3-3.5 pcbs  |

| Samples  |   |
|--|---|
| Depth  | 10  |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 45  |
| PID (ppmv)   | 14  |
| Sample Description & Classification (Modified Burmister) | 5-7.5 fill consisting of damp, coarse brown SAND; 7.5-10 fill consisting of wet, dark brown, coarse sand and gravel. No odors |
| Notes  | Sample 7-7.5 pcbs   |

## Boring Log

Record: 268

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-20                        |
| Start Time         | 14:10:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 14:15:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 92                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



Notes

| Samples  |  |
|--|--|
| Depth  | 5  |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 46   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 0-1.0 fill consisting of medium to fine sand and gravel; 1.0-5.0 fill consisting of dark, brown, medium Sand and gravel. |
| Notes  | Samples 0.0-0.5 pcbs; 0.5-1.0 pcb; 3-3.5 pcbs  |

| Samples  |  |
|--|--|
| Depth  | 10   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 45   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 5-10 fill consisting of saturated, dark brown, medium SAND and gravel. No odor |
| Notes  | Sample 7-7.5 pcbs  |



## Boring Log

Record: 196

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-20                        |
| Start Time         | 14:22:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 14:22:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-so-93                   |
| Boring Photo       |                                   |



|       |  |
|-------|--|
| Notes | <p>Refusal at 7</p> <p>~2" pvc pipe through boring</p> <p>Samples 1-4 for pcbs</p> |
|-------|--|



| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 33   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-1 FCO loose dry tan MEDIUM SAND<br>1-5 fco pulverized concrete |

| Samples   |                                    |
|---|------------------------------------|
| Depth   | 7                                  |
| Penetration (inches)  | 24                                 |
| Recovery (inches)   | 10                                 |
| Depth (feet)  | 2                                  |
| PID (ppmv)  | 0                                  |
| Sample Description & Classification (Modified<br>Burmister) | 5-7 fco medium dense wet grey SILT |

## Boring Log

Record: 202

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-20                        |
| Start Time         | 14:39:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 14:39:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-so94                    |
| Boring Photo       |                                   |



|       |   |
|-------|---|
| Notes | <p>Refusal three times at 5 feet</p> <p>4 pcbs samples<br/>2a pcb ms/msd<br/>2b-pah</p> |
|-------|---|

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 42   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | <p>0-1 fco loose dry tan MEDIUM SAND</p> <p>1-2 fco granulated coal</p> <p>2-2.5 fco pulverized concrete</p> <p>2.5-5 fco medium dense dry black MEDIUM SAND with pulverized brick</p> |

## Boring Log

Record: 190

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-20                        |
| Start Time         | 13:59:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 13:59:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-so-96                   |
| Boring Photo       |                                   |



### Notes

5-10 sample to be taken at a later date

Samples 1-3 for pcbs

| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 44  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-1.5 fco loose dry tan MEDIUM SAND<br>1.5-2.5 fco granulated coal<br>2.5-4 fco pulverized concrete<br>4-5 medium dense moist black SILT with organic |

## Boring Log

Record: 187

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Chris Berthiaume                  |
| Start Date         | 2017-07-20                        |
| Start Time         | 13:34:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 13:34:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | Ws-aoc12w-so-97                   |
| Boring Photo       |                                   |



|       |   |
|-------|---|
| Notes | <p>Refusal at 3', 2', and 8'.</p> <p>Samples</p> <p>1 pcbs<br/>2a pcbs<br/>2b pah<br/>3 pcbs<br/>4 pcbs</p> |
|-------|---|

| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 36  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-2 fco loose dry tan MEDIUM SAND with little granulated coal<br>2-3.5 fco pulverized concrete<br>3.5-5 fco granulated coal |

| Samples   |   |
|---|---|
| Depth   | 8   |
| Penetration (inches)  | 36  |
| Recovery (inches)   | 19  |
| Depth (feet)  | 3   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 5-8 fco medium dense wet brown silty CLAY |

## Boring Log

Record: 256

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Will Sirotnak                     |
| Start Date         | 2017-07-20                        |
| Start Time         | 13:09:00                          |
| End Date           | 2017-07-20                        |
| End Time           | 13:15:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-12W                           |
| Boring Number      | 98                                |
| Completion Depth   | 7                                 |
| Boring Photo       |                                   |



### Notes

Solid concrete refusal at 8 feet

| Samples  |  |
|--|--|
| Depth  | 5  |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 48   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 0-1.0 fill consisting of medium to fine sand and gravel; 1.0-5.0'fill consisting of medium, brown Sand and coarse, gravel. |
| Notes  | Samples 0.0-0.5 pcbs; 0.5-1.5 pcb, pah; 3-3.5 pcbs   |

| Samples  |   |
|--|---|
| Depth  | 10  |
| Penetration (inches)                                     | 36  |
| Recovery (inches)  | 30  |
| PID (ppmv)   | 0   |
| Sample Description & Classification (Modified Burmister) | 5-8.0 fill consisting of wet, brown, coarse sand and gravel |
| Notes  | Sample 7-7.5 pcbs   |



## Boring Log

Record: 1039

|                    |  |
|--------------------|--|
| Boring Company     | Cumins EnviroTech  |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Tim Schiavone  |
| Start Date         | 2017-09-11   |
| Start Time         | 10:35:00   |
| End Date           | 2017-09-11   |
| End Time           | 10:42:00   |
| Project Name       | UI-English Station   |
| Project Number     | 2170495  |
| AOC Number         | AOC-12W  |
| Boring Number      | 99   |
| Completion Depth   | 5  |
| Notes              | <p>Sample depths:</p> <p>-1: 0-0.25' PCBs ETPH</p> <p>-2: 0.5-1.5'</p> <p>-3: 3-4'</p> |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 29  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | Moist brown to black fill with coarse sand and trace gravel and silt. Coal ash and brick present. |

## Boring Log

Record: 1036

|                    |  |
|--------------------|--|
| Boring Company     | Cumins EnviroTech  |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Tim Schiavone  |
| Start Date         | 2017-09-11   |
| Start Time         | 10:30:00   |
| End Date           | 2017-09-11   |
| End Time           | 10:37:00   |
| Project Name       | UI-English Station   |
| Project Number     | 2170495  |
| AOC Number         | AOC-12W  |
| Boring Number      | 100  |
| Completion Depth   | 5  |
| Notes              | <p>Sample depths:</p> <p>-1: 0-0.25' ETPH/PCBs</p> <p>-2: 0.5-1.5'</p> <p>-3: 3-4'</p> |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 27  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | Moist brown to black fill with coarse sand and trace gravel and silt. Coal ash and brick present. |

## Boring Log

Record: 1033

|                    |   |
|--------------------|---|
| Boring Company     | Cumins EnviroTech   |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Tim Schiavone   |
| Start Date         | 2017-09-11  |
| Start Time         | 10:22:00  |
| End Date           | 2017-09-11  |
| End Time           | 10:32:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12W   |
| Boring Number      | 101   |
| Completion Depth   | 5   |
| Notes              | <p>Sample depths:</p> <p>-1: 0-0.25' ETPH, PCBs</p> <p>-2: 0.5-1.5' PCBs MS/MSD PCBs</p> <p>-3: 3-4' PCBs</p> |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 31  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | Moist brown to black fill with coarse sand and trace gravel and silt. Coal ash and brick present. |

## Boring Log

Record: 1027

|                    |   |
|--------------------|---|
| Boring Company     | Cumins EnviroTech   |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Tim Schiavone   |
| Start Date         | 2017-09-11  |
| Start Time         | 09:58:00  |
| End Date           | 2017-09-11  |
| End Time           | 09:12:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12W   |
| Boring Number      | 102   |
| Completion Depth   | 5   |
| Notes              | <p>Sample depths:</p> <p>-1: 0-0.25' ETPH, PCBs</p> <p>-2: 0.5-1.5' As, PCBs MS/MSD for PCBs</p> <p>-3: 3-4' PCBs</p> |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 32  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | Moist brown to black fill with coarse sand and trace gravel and silt. Coal ash and brick present. |

## Boring Log

Record: 1024

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cumins EnviroTech  |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Tim Schiavone      |
| Start Date         | 2017-09-11         |
| Start Time         | 09:49:00           |
| End Date           | 2017-09-11         |
| End Time           | 09:49:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-12W            |
| Boring Number      | 103                |
| Completion Depth   | 5                  |
| Boring Photo       |                    |



### Notes

Sample depths:  
 -1: 0-0.25' ETPH  
 -2: 0.5-1.5' MS/MSD for PCBs  
 -3: 3-4'

| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 35   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Top 12" black/brown fill with coarse sand and gravel. Bottom is wet back fill with fine to coarse sand and trace silt, evidence of organics. |

## Boring Log

Record: 1030

|                    |  |
|--------------------|--|
| Boring Company     | Cumins EnviroTech  |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Tim Schiavone  |
| Start Date         | 2017-09-11   |
| Start Time         | 10:08:00   |
| End Date           | 2017-09-11   |
| End Time           | 10:18:00   |
| Project Name       | UI-English Station   |
| Project Number     | 2170495  |
| AOC Number         | AOC-12W  |
| Boring Number      | 104  |
| Completion Depth   | 5  |
| Notes              | <p>Sample depths:</p> <p>-1: 0-0.25' ETPH, PCBs</p> <p>-2: 0.5-1.5' PCBs, As, MS/MSD PCBs</p> <p>-3: 3-4' PCBs</p> |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 29  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | Moist brown to black fill with coarse sand and trace gravel and silt. Coal ash and brick present. |

## Boring Log

Record: 1021

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins EnviroTech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Tim Schiavone      |
| Start Date         | 2017-09-11         |
| Start Time         | 09:30:00           |
| End Date           | 2017-09-08         |
| End Time           | 09:45:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-12W            |
| Boring Number      | 105                |
| Boring Photo       |                    |



### Notes

Sample:  
 105-1: 0-0.25' ETPH, PCBs  
 105-2: 0.5-1.5' PCBs MS/MSD PCBs  
 105-3: 3-4' PCBs



| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 29   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Moist black to brown fill with coarse to fine sand, trace gravel and silt. Evidence of coal ash present. |

## Boring Log

Record: 859

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins Envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-11         |
| Start Time         | 12:03:00           |
| End Date           | 2017-09-11         |
| End Time           | 13:18:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-12N            |
| Boring Number      | 1                  |
| Completion Depth   | 5                  |
| Boring Photo       |                    |



| Samples   |   |
|---|---|
| Depth   | 4   |
| Penetration (inches)  | 48  |
| Recovery (inches)   | 44  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; .5-4 fill consisting of medium, brown SAND, little gravel, little concrete |
|   | Multiple attempts with refusal at 4' Appears to be rock/concrete. Sample interval shifted |
| Notes   | Sample 3-4 pcb, etph  |

## Boring Log

Record: 853

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins Envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-11         |
| Start Time         | 11:18:00           |
| End Date           | 2017-09-11         |
| End Time           | 11:43:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-12N            |
| Boring Number      | 3                  |
| Completion Depth   | 15                 |
| Boring Photo       |                    |



### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 43  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; .5-3' fill consisting of medium, brown SAND, little gravel and concrete; 3-5' fill consisting of brown, medium SAND and gravel, little brick |
| Notes   |   |

| Samples  |  |
|--|--|
| Depth  | 10   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 50   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 5-7.5' Fill consisting of medium to coarse, damp, brown SAND and gravel; 7.5-10' fill consisting of saturated, medium brown SAND and gravel. |
| Notes  | Samples - 6-7 pcb, etph, arsenic plus dup 61; 10-11 pcbs, etph   |

| Samples  |  |
|--|--|
| Depth  | 15   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 53   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | 10-15 fill consisting of saturated, medium to coarse brown SAND and gravel |
| Notes  |  |

## Boring Log

Record: 856

|                    |   |
|--------------------|---|
| Boring Company     | Cummins Envirotech  |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Will Sirotnak   |
| Start Date         | 2017-09-11  |
| Start Time         | 12:03:00  |
| End Date           | 2017-09-11  |
| End Time           | 12:21:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-12N   |
| Boring Number      | 4   |
| Completion Depth   | 5   |
| Boring Photo       |  |

| Samples   |   |
|---|---|
| Depth   | 4   |
| Penetration (inches)  | 48  |
| Recovery (inches)   | 44  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; .5-4 fill consisting of medium, brown SAND, little gravel, little concrete |
|   | Multiple attempts with refusal at 4' Appears to be rock/concrete. Sample interval shifted |
| Notes   | Sample 3-4 pcb, etph, pah   |

## Boring Log

Record: 829

|                    |   |
|--------------------|---|
| Boring Company     | Cummins envirotech  |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Will Sirotnak   |
| Start Date         | 2017-09-08  |
| Start Time         | 10:30:00  |
| End Date           | 2017-09-07  |
| End Time           | 10:45:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-6   |
| Boring Number      | 5   |
| Completion Depth   | 10  |
| Boring Photo       |  |



| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 48  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 medium sand and silt; ..5-5' fill consisting of medium brown SAND, little gravel, little concrete and brick |
| Notes   | Sample, 0-0.5 pcbs, 0.5-1.5'pcb, etph; 2-3 pcbs; 5-6 pcbs plus dup 55   |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 52   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-7.5 - fill consisting of medium, brown SAND, little gravel, little concrete; 7.5-10' fill consisting of damp, medium to coarse, dark brown SAND and gravel |
| Notes   |  |

## Boring Log

Record: 823

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-08         |
| Start Time         | 10:15:00           |
| End Date           | 2017-09-07         |
| End Time           | 10:26:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-6              |
| Boring Number      | 6                  |
| Completion Depth   | 10                 |
| Boring Photo       |                    |



| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 49  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 medium sand and silt; ..5-5' fill consisting of medium brown SAND, little gravel, little concrete and brick |
| Notes   | Sample, 0-0.5 pcbs, 0.5-1.5'pcb, etph ms/msd; 2-3 pcbs; 5-6 pcbs  |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 52   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-7.5 - fill consisting of medium, brown SAND, little gravel, little concrete; 7.5-10' fill consisting of damp, medium to coarse, dark brown SAND and gravel |
| Notes   |  |

## Boring Log

Record: 832

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-08         |
| Start Time         | 11:01:00           |
| End Date           | 2017-09-07         |
| End Time           | 11:17:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-6              |
| Boring Number      | 7                  |
| Completion Depth   | 10                 |
| Boring Photo       |                    |



| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 48  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 medium sand and silt; ..5-5' fill consisting of medium brown SAND, little gravel, little concrete and brick |
| Notes   | Sample, 0-0.5 pcbs, 0.5-1.5'pcb, etph; 2-3 pcbs; 5-6 pcbs   |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 50   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-7.5 - fill consisting of medium, damp, brown SAND, little gravel, little concrete; 7.5-10' fill consisting of damp, medium to coarse, dark brown SAND and gravel |
| Notes   |  |

## Boring Log

Record: 835

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-08         |
| Start Time         | 11:24:00           |
| End Date           | 2017-09-07         |
| End Time           | 11:30:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-6              |
| Boring Number      | 8                  |
| Completion Depth   | 10                 |
| Boring Photo       |                    |



| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 48  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 medium sand and silt; ..5-5' fill consisting of medium brown SAND, little gravel, little concrete and brick |
| Notes   | Sample, 0-0.5 pcbs, 0.5-1.5' pcb, etph, pah; 2-3 pcbs; 5-6 pcbs   |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 55   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 - fill consisting of medium, damp, brown SAND, little gravel, little concrete, little brick |
| Notes   |  |

## Boring Log

Record: 841

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-08         |
| Start Time         | 11:53:00           |
| End Date           | 2017-09-07         |
| End Time           | 12:05:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-6              |
| Boring Number      | 9                  |
| Completion Depth   | 10                 |
| Boring Photo       |                    |





| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 52  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 medium sand and silt; 0.5-5' fill consisting of medium, brown SAND, little gravel and brick |
| Notes   | Sample, 0-0.5 pcbs, 0.5-1.5' pcb, etph; 2-3 pcbs; 5-6 pcbs  |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 50   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-7.5 fill consisting of medium, damp, brown SAND, little gravel, little concrete, little brick; 7.5-10' fill consisting of dark brown, wet medium to fine SAND with coarse gravel |
| Notes   |  |

## Boring Log

Record: 838

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-08         |
| Start Time         | 11:32:00           |
| End Date           | 2017-09-07         |
| End Time           | 11:52:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-6              |
| Boring Number      | 10                 |
| Completion Depth   | 10                 |
| Boring Photo       |                    |



| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 40   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 medium sand and silt; .5-3 fill consisting of medium brown SAND and coarse gravel, little concrete;<br>3-5' fill consisting of medium, brown SAND, little gravel and brick |
| Notes   | Sample, 0-0.5 pcbs, 0.5-1.5' pcb, etph; 2-3 pcbs; 5-6 pcbs plus dup 58   |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 50   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-7.5 fill consisting of medium, damp, brown SAND, little gravel, little concrete, little brick; 7.5-10' fill<br>consisting of dark brown, wet SAND with coarse gravel |
| Notes   |  |

## Boring Log

Record: 991

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Tim Schiavone                     |
| Start Date         | 2017-09-08                        |
| Start Time         | 10:11:00                          |
| End Date           | 2017-09-08                        |
| End Time           | 10:22:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-6                             |
| Boring Number      | 11                                |
| Completion Depth   | 10                                |
| Boring Photo       |                                   |



### Notes

Conducted a second 0-5' sample to access volume for MS/MSD

Sample:  
 11-1: 0-0.5' PCBs  
 11-2: 0.5-1.5' PCBs, ETPH  
 11-3: 2-3' PCBs  
 11-4: 5-6' PCBs

\*MS/MSD for 11-2

| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 34  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | Moist black to brown fill with coarse sand, some gravel, medium silt. Coal ash present. |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 45   |
| Depth (feet)  | 10   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Wet black fill with coarse sand , some gravel and trace silt |

## Boring Log

### Record: 994

|                    |   |
|--------------------|---|
| Boring Company     | Cummins EnviroTech  |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Tim Schiavone   |
| Start Date         | 2017-09-08  |
| Start Time         | 10:42:00  |
| End Date           | 2017-09-08  |
| End Time           | 10:50:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-6   |
| Boring Number      | 12  |
| Completion Depth   | 10  |
| Notes              | <p>Sample:</p> <p>12-1: 0-0.5' PCBs</p> <p>12-2: 0.5-1.5' PCBs ETPH (MS/MSD for PCBs)</p> <p>12-3: 2.0-3.0' PCBs (DUP-54 PCBs)</p> <p>12-4: 5-6' PCBs</p> |

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 43   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Moist black to brown fill with coarse to fine sand, some gravel and trace silt. Coal ash and brick present |

### Samples

|   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 18   |
| Depth (feet)  | 10   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Wet Black to brown fill with coarse to fine sand, some gravel and trace silt. Coal ash and brick present |

## Boring Log

Record: 997

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins EnviroTech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Tim Schiavone      |
| Start Date         | 2017-09-08         |
| Start Time         | 10:55:00           |
| End Date           | 2017-09-08         |
| End Time           | 11:09:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-6              |
| Boring Number      | 13                 |
| Completion Depth   | 10                 |
| Boring Photo       |                    |



### Notes

Sample:  
 13-1: 0-0.5' PCBs  
 13-2: 0.5-1.5' PCBs, ETPH (DUP-56 for PCBs)  
 13-3: 2-3' PCBs  
 13-4: 5-6' PCBs

| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 37  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | <i>Moist black to brown fill with coarse to fine sand, some gravel and trace silt. Coal ash and brick present</i> |

| Samples   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 53  |
| Depth (feet)  | 10  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | <i>Wet gray fill with coarse to fine sand and some silt. Trace gravel. Slight septic odor</i> |



## Boring Log

Record: 1009

|                    |  |
|--------------------|--|
| Boring Company     | Cummins EnviroTech   |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Tim Schiavone  |
| Start Date         | 2017-09-08   |
| Start Time         | 12:23:00   |
| End Date           | 2017-09-08   |
| End Time           | 12:34:00   |
| Project Name       | UI-English Station   |
| Project Number     | 2170495  |
| AOC Number         | AOC-6  |
| Boring Number      | 14   |
| Completion Depth   | 10   |
| Notes              | <p>Sample:</p> <p>14-1: 0-0.5'</p> <p>14-2: 0.5-1.5' ETPH/PCBs</p> <p>14-3: 2-3'</p> <p>14-4: 5-6'</p> |

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 32   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Moist black to brown fill with coarse to fine sand, some gravel, cobble and trace silt. Coal ash and brick present |

### Samples

|   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 45  |
| Depth (feet)  | 10  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | Wet gray/brown fill with coarse to fine sand and some silt. Trace gravel. Slight septic odor. |

## Boring Log

Record: 1006

|                    |  |
|--------------------|--|
| Boring Company     | Cummins EnviroTech   |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Tim Schiavone  |
| Start Date         | 2017-09-08   |
| Start Time         | 11:43:00   |
| End Date           | 2017-09-08   |
| End Time           | 11:56:00   |
| Project Name       | UI-English Station   |
| Project Number     | 2170495  |
| AOC Number         | AOC-6  |
| Boring Number      | 15   |
| Completion Depth   | 10   |
| Notes              | <p>Sample:</p> <p>15-1: 0-0.5' PCBs</p> <p>15-2: 0.5-1.5' PCBs ETPH</p> <p>15-3: 2-3' PCBs PAHs</p> <p>15-4: 5-6' PCBs</p> |

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 38   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Moist black to brown fill with coarse to fine sand, some gravel and trace silt. Coal ash and brick present |

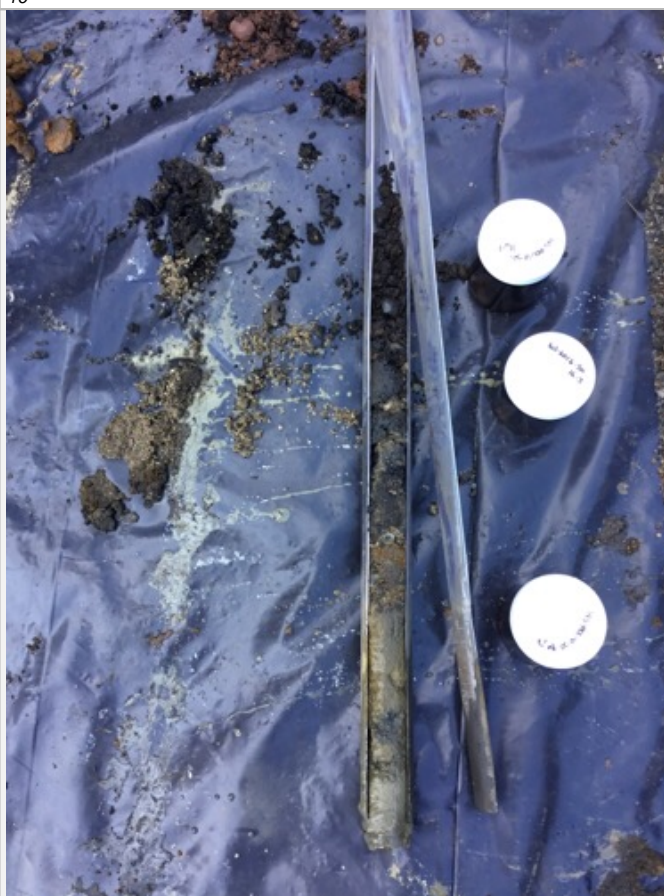
### Samples

|   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 35   |
| Depth (feet)  | 10   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Wet black coarse to fine sand with some silt and trace gravel. |

## Boring Log

Record: 1003

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins EnviroTech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Tim Schiavone      |
| Start Date         | 2017-09-08         |
| Start Time         | 11:30:00           |
| End Date           | 2017-09-08         |
| End Time           | 11:45:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-6              |
| Boring Number      | 16                 |
| Completion Depth   | 10                 |
| Boring Photo       |                    |



|       |   |
|-------|---|
| Notes | <p>Sample:</p> <p>16-1: 0-0.5' PCBs</p> <p>16-2: 0.5-1.5' PCBs ETPH</p> <p>16-3: 2-3' PCBs</p> <p>16-4: 5-6' PCBs</p> |
|-------|---|

| Samples  |   |
|--|---|
| Depth  | 5   |
| Penetration (inches)                                     | 60  |
| Recovery (inches)  | 22  |
| Depth (feet)   | 5   |
| PID (ppmv)   | 0   |
| Sample Description & Classification (Modified Burmister) | Moist black to brown fill with coarse to fine sand, some gravel and trace silt. Coal ash and brick present. Bottom 2" wet gray/black fill coarse to fine sand with silt. Slight septic odor |

| Samples  |  |
|--|--|
| Depth  | 10   |
| Penetration (inches)                                     | 60   |
| Recovery (inches)  | 53   |
| Depth (feet)   | 10   |
| PID (ppmv)   | 0  |
| Sample Description & Classification (Modified Burmister) | Wet gray/brown fill with coarse to fine sand and some silt. Trace gravel. Bottom wet black fill fine sand with some silt, trace organic. Slight septic odor. |

## Boring Log

Record: 1000

|                    |  |
|--------------------|--|
| Boring Company     | Cummins EnviroTech   |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Tim Schiavone  |
| Start Date         | 2017-09-08   |
| Start Time         | 11:15:00   |
| End Date           | 2017-09-08   |
| End Time           | 11:15:00   |
| Project Name       | UI-English Station   |
| Project Number     | 2170495  |
| AOC Number         | AOC-6  |
| Boring Number      | 17   |
| Completion Depth   | 10   |
| Notes              | Sample:<br>17-1: 0-0.5' PCBs<br>17-2: 0.5-1.5' PCBs ETPH<br>17-3: 2-3' PCBs<br>17-4: 5-6' PCBs (DUP-57 for PCBs) |

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 30   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Moist black to brown fill with coarse to fine sand, some gravel and trace silt. Coal ash and brick present |

### Samples

|   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 24  |
| Depth (feet)  | 10  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | Wet black to gray fill with coarse to fine sand and some silt. Slight septic odor |

## Boring Log

Record: 970

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins EnviroTech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Tim Schiavone      |
| Start Date         | 2017-09-07         |
| Start Time         | 13:55:00           |
| End Date           | 2017-09-07         |
| End Time           | 14:15:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-15             |
| Boring Number      | 30                 |
| Completion Depth   | 10                 |
| Notes              |                    |

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 32   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 1" asphalt<br>6" concrete<br>Moist black fill with coarse sand and gravel. Trace silt. Slight septic odor. |

### Samples

|   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 52  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | Wet black fill with coarse sand and gravel. Trace silt. Slight septic odor. |

## Boring Log

Record: 973

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins EnviroTech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Tim Schiavone      |
| Start Date         | 2017-09-07         |
| Start Time         | 14:08:00           |
| End Date           | 2017-09-07         |
| End Time           | 14:22:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-15             |
| Boring Number      | 31                 |
| Completion Depth   | 10                 |
| Boring Photo       |                    |



Notes

| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 44   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 2" asphalt<br>8" concrete<br>Moist black fill with coarse sand and gravel. Trace silt and cobble. Coal ash present |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 54   |
| Depth (feet)  | 10   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Wet black fill with coarse sand and some gravel. Trace silt and cobble. Mild septic odor |



## Boring Log

Record: 826

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-08         |
| Start Time         | 09:49:00           |
| End Date           | 2017-09-08         |
| End Time           | 10:03:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-15             |
| Boring Number      | 32                 |
| Completion Depth   | 5                  |
| Boring Photo       |                    |



| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 52   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-2.0 fill consisting of medium, brown SAND and coarse gravel, with 10" concrete; 2.0-5 fill<br>consisting of medium, brown SAND little gravel, little ash, damp at 4-5 |
| Notes   |  |

| Samples   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 52   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 5-10 fill consisting of medium, saturated brown SAND and gravel  |
| Notes   | Sample 5-6 pcbs etph plus dup 52; 6-7 pcbs; 8-9 pcbs plus dup 53 |

## Boring Log

### Record: 982

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins EnviroTech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Tim Schiavone      |
| Start Date         | 2017-09-07         |
| Start Time         | 14:24:00           |
| End Date           | 2017-09-07         |
| End Time           | 14:35:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-15             |
| Boring Number      | 33                 |
| Completion Depth   | 10                 |

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 2" asphalt<br>10" concrete<br>Moist black fill with coarse to fine sand some gravel. Trace silt and cobble. Coal ash present |

### Samples

|   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 55   |
| Depth (feet)  | 10   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Wet black fill with coarse sand and gravel. Trace silt and cobble. Slight septic odor. |

## Boring Log

Record: 976

|                    |  |
|--------------------|--|
| Boring Company     | Cummins EnviroTech                     |
| Foreman            | Timothy Schiavone                      |
| W&S Representative | Tim Schiavone                          |
| Start Date         | 2017-09-07                             |
| Start Time         | 14:05:00                               |
| End Date           | 2017-09-07                             |
| End Time           | 14:20:00                               |
| Project Name       | UI-English Station                     |
| Project Number     | 2170495                                |
| AOC Number         | AOC-15                                 |
| Boring Number      | 34                                     |
| Completion Depth   | 10                                     |
| Notes              | 34-1: 4-5'<br>34-2: 6-7'<br>34-3: 8-9' |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 22  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 2" asphalt<br>8" concrete<br>Moist black fill with coarse sand and gravel. Trace silt and cobble. Coal ash present. |

### Samples

|   |  |
|---|--|
| Depth   | 10   |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 37   |
| Depth (feet)  | 10   |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Wet black fill with coarse sand and gravel. Trace cobble. Slight septic odor |

## Boring Log

### Record: 988

|                    |   |
|--------------------|---|
| Boring Company     | Technical Drilling Services, Inc.   |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Tim Schiavone   |
| Start Date         | 2017-09-08  |
| Start Time         | 09:14:00  |
| End Date           | 2017-09-08  |
| End Time           | 09:35:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-15  |
| Boring Number      | 35  |
| Completion Depth   | 10  |
| Notes              | <p>Sample:</p> <p>35-1: 4-5' PCBs, ETPH</p> <p>35-2: 6-7'</p> <p>35-3: 8-9'</p> <p>First 5-10' no recovery. Offset 2' north</p> |

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 18   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | <p>1" asphalt</p> <p>Moist black fill with coarse sand and gravel. Trace silt.</p> |

### Samples

|   |  |
|---|--|
| Depth   | 10                                       |
| Penetration (inches)  | 60                                       |
| Depth (feet)  | 10                                       |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Wet black fill with coarse sand          |
| Notes   | First 5-10' no recovery, offset 2' north |

## Boring Log

Record: 979

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins EnviroTech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Tim Schiavone      |
| Start Date         | 2017-09-07         |
| Start Time         | 14:23:00           |
| End Date           | 2017-09-07         |
| End Time           | 14:32:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-15             |
| Boring Number      | 36                 |
| Completion Depth   | 10                 |

### Samples

|   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 20   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 2" asphalt<br>8" concrete<br>Moist black fill with coarse sand and gravel. Trace silt and cobble. Coal ash present |

### Samples

|   |   |
|---|---|
| Depth   | 10  |
| Penetration (inches)  | 36  |
| Recovery (inches)   | 8   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 1st and 2nd attempt refusal at 8'. Per TRC reduce samples collected to 2 locations: 4-5' and 6-7'.<br>Wet black coarse to fine sand with some gravel. Slight septic odor. |
| Notes   | Refusal at 8' offset 2' south   |

## Boring Log

### Record: 985

|                    |                                   |
|--------------------|-----------------------------------|
| Boring Company     | Technical Drilling Services, Inc. |
| Foreman            | Timothy Schiavone                 |
| W&S Representative | Tim Schiavone                     |
| Start Date         | 2017-09-07                        |
| Start Time         | 14:43:00                          |
| End Date           | 2017-09-07                        |
| End Time           | 14:50:00                          |
| Project Name       | UI-English Station                |
| Project Number     | 2170495                           |
| AOC Number         | AOC-15                            |
| Boring Number      | 37                                |
| Completion Depth   | 8                                 |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 27  |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 2" asphalt<br>5" concrete<br>Moist black/brown fill with coarse sand and gravel. Trace silt, coal ash present |

### Samples

|   |  |
|---|--|
| Depth   | 8  |
| Penetration (inches)  | 36   |
| Recovery (inches)   | 10   |
| Depth (feet)  | 8  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | Wet black fill with coarse to fine sand and gravel. Trace silt. Slight septic odor.<br><br>Refusal at 8ft. Borings are located adjacent to high tension poles. Possibly footing. Per TRC collect 2 of the 3 prescribed sample intervals (eliminate 8-9') |

## Boring Log

Record: 1180

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i>                         |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>   |
| <b>W&amp;S Representative</b> | <i>Tim Schiavone</i>   |
| <b>Start Date</b>             | <i>2017-09-05</i>  |
| <b>Start Time</b>             | <i>10:10:00</i>  |
| <b>End Date</b>               | <i>2017-09-05</i>  |
| <b>Project Name</b>           | <i>UI-English Station</i>  |
| <b>Project Number</b>         | <i>2170495</i>   |
| <b>AOC Number</b>             | <i>AOC-15</i>  |
| <b>Boring Number</b>          | <i>1</i>   |
| <b>Completion Depth</b>       | <i>5</i>   |
| <b>Notes</b>                  | <i>Sample:<br/>PCBs: 1-1.5', 1.5-2.5', 5-6'<br/>ETPH: 1-1.5'</i> |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>5</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>33</i>  |
| <b>Depth (feet)</b>   | <i>5</i>   |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0.5" asphalt<br/>Moist black fill consisting of sand and gravel. Wet around 5'.</i> |



## Boring Log

Record: 1186

|                               |  |
|-------------------------------|--|
| <b>Boring Company</b>         | <i>Technical Drilling Services, Inc.</i>                             |
| <b>Foreman</b>                | <i>Timothy Schiavone</i>   |
| <b>W&amp;S Representative</b> | <i>Tim Schiavone</i>   |
| <b>Start Date</b>             | <i>2017-09-06</i>  |
| <b>Start Time</b>             | <i>10:30:00</i>  |
| <b>End Date</b>               | <i>2017-09-06</i>  |
| <b>Project Name</b>           | <i>UI-English Station</i>  |
| <b>Project Number</b>         | <i>2170495</i>   |
| <b>AOC Number</b>             | <i>AOC-15</i>  |
| <b>Boring Number</b>          | <i>2</i>   |
| <b>Completion Depth</b>       | <i>5</i>   |
| <b>Notes</b>                  | <i>Sample:<br/>PCBs: 0.5-1.5', 1.5-2.5', 4-5'<br/>ETPH: 1.5-2.5'</i> |

### Samples

|   |  |
|---|--|
| <b>Depth</b>  | <i>5</i>   |
| <b>Penetration (inches)</b>   | <i>60</i>  |
| <b>Recovery (inches)</b>  | <i>29</i>  |
| <b>Depth (feet)</b>   | <i>5</i>   |
| <b>PID (ppmv)</b>   | <i>0</i>   |
| <b>Sample Description &amp; Classification (Modified<br/>Burmister)</b> | <i>0.5" asphalt<br/>Moist black fill consisting of sand and gravel. Wet around 5'.</i> |

## Boring Log

Record: 799

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-07         |
| Start Time         | 08:13:00           |
| End Date           | 2017-09-07         |
| End Time           | 08:38:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-15             |
| Boring Number      | 3                  |
| Completion Depth   | 5                  |
| Boring Photo       |                    |



| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 38   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-3.0 fill consisting of medium, brown SAND and coarse gravel, with 12" concrete; 3-5 fill<br>consisting of medium, brown SAND, damp at 4-5 |
| Notes   | Sample 0.5-1.5 pcbs etph, 1.5-2.5 pcbs; 4-5 pcbs   |

## Boring Log

Record: 805

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-07         |
| Start Time         | 08:40:00           |
| End Date           | 2017-09-07         |
| End Time           | 08:50:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-15             |
| Boring Number      | 4                  |
| Completion Depth   | 5                  |
| Boring Photo       |                    |



| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 43  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-3.0 fill consisting of medium, brown SAND and coarse gravel, with 6" concrete; 3-5 fill<br>consisting of medium, brown SAND, damp at 4-5 |
| Notes   | Sample 0.5-1.5 pcbs etph, 1.5-2.5 pcbs; 4-5 pcbs  |

## Boring Log

### Record: 922

|                    |   |
|--------------------|---|
| Boring Company     | Cummins EnviroTech  |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Tim Schiavone   |
| Start Date         | 2017-09-07  |
| Start Time         | 09:00:00  |
| End Date           | 2017-09-07  |
| End Time           | 09:18:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-15  |
| Boring Number      | 5   |
| Completion Depth   | 5   |
| Cover type         |   |
| Notes              | <p>Sample:</p> <p>5-1: 1-1.5' PCBs, PAHs</p> <p>5-2: 1.5-2.5' PCBs ETPH</p> <p>5-3: 4-5' PCBs</p> |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 36  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | <p>2" asphalt</p> <p>8" concrete</p> <p>Moist black fill with coarse sand with some gravel and trace silt. Evidence of coal ash and metal slag present.</p> |

## Boring Log

Record: 802

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-07         |
| Start Time         | 08:20:00           |
| End Date           | 2017-09-07         |
| End Time           | 08:44:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-15             |
| Boring Number      | 6                  |
| Completion Depth   | 5                  |
| Boring Photo       |                    |



| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 35   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-3.0 fill consisting of medium, brown SAND and coarse gravel, with 10" concrete; 3-5 fill<br>consisting of medium, brown SAND, damp at 4-5 |
| Notes   | Sample 0.5-1.5 pcbs etph, 1.5-2.5 pcbs, pah; 4-5 pcbs  |



## Boring Log

### Record: 919

|                    |   |
|--------------------|---|
| Boring Company     | Cummins EnviroTech  |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Tim Schiavone   |
| Start Date         | 2017-09-06  |
| Start Time         | 13:15:00  |
| End Date           | 2017-09-06  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-15  |
| Boring Number      | 7   |
| Completion Depth   | 5   |
| Notes              | <p>First attempt: 1" recovery. Offset ~2ft north.<br/>12" of concrete</p> <p>Sample:<br/>7-1: 1-1.5<br/>7-2: 1.5-2.5<br/>7-3: 4-5</p> |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 18  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | <p>12" concrete<br/>12" void spade<br/>Most brown fill coarse sand with trace silt.</p> |

## Boring Log

Record: 940

|                    |   |
|--------------------|---|
| Boring Company     | Cummins EnviroTech  |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Tim Schiavone   |
| Start Date         | 2017-09-07  |
| Start Time         | 11:25:00  |
| End Date           | 2017-09-07  |
| End Time           | 11:37:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-15  |
| Boring Number      | 8   |
| Completion Depth   | 5   |
| Notes              | <p>Sample:</p> <p>8-1: 0.5-1.5' PCBs, ETPH</p> <p>8-2: 1.5-2.5' PCBs PAHs</p> <p>8-3: 4-5' PCBs</p> |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 28  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | <p>2" asphalt</p> <p>3" concrete</p> <p>Moist black fill with coarse sand with some gravel and trace silt. Signs of coal ash.</p> |

## Boring Log

Record: 808

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-07         |
| Start Time         | 09:00:00           |
| End Date           | 2017-09-07         |
| End Time           | 09:03:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-15             |
| Boring Number      | 9                  |
| Completion Depth   | 5                  |
| Boring Photo       |                    |



| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 52  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-2.0 fill consisting of medium, brown SAND and coarse gravel, with 6" concrete; 2-5 fill<br>consisting of medium, brown SAND, little brick, damp at 4-5 |
| Notes   | Sample 0.5-1.5 pcbs etph, 1.5-2.5 pcbs; 4-5 pcbs plus dup 49  |

## Boring Log

Record: 811

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-07         |
| Start Time         | 09:02:00           |
| End Date           | 2017-09-07         |
| End Time           | 09:08:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-15             |
| Boring Number      | 10                 |
| Completion Depth   | 5                  |
| Boring Photo       |                    |



| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 52  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-2.0 fill consisting of medium, brown SAND and coarse gravel, with 6" concrete; 2-5 fill<br>consisting of medium, brown SAND, little brick, damp at 4-5 |
| Notes   | Sample 0.5-1.5 pcbs etph plus ms/msd; 1.5-2.5 pcbs; 4-5 pcbs  |

## Boring Log

Record: 814

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-07         |
| Start Time         | 09:08:00           |
| End Date           | 2017-09-07         |
| End Time           | 09:18:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-15             |
| Boring Number      | 11                 |
| Completion Depth   | 5                  |
| Boring Photo       |                    |



| Samples   |  |
|---|--|
| Depth   | 5  |
| Penetration (inches)  | 60   |
| Recovery (inches)   | 50   |
| Depth (feet)  | 5  |
| PID (ppmv)  | 0  |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-2.5 fill consisting of medium, brown SAND and coarse gravel, with 6" concrete; 2.5 -5 fill<br>consisting of medium, brown SAND, little brick, damp at 4-5 |
| Notes   | Sample 0.5-1.5 pcbs etph; 1.5-2.5 pcbs; 4-5 pcbs   |



## Boring Log

Record: 817

|                    |                    |
|--------------------|--------------------|
| Boring Company     | Cummins envirotech |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Will Sirotnak      |
| Start Date         | 2017-09-07         |
| Start Time         | 09:20:00           |
| End Date           | 2017-09-07         |
| End Time           | 09:34:00           |
| Project Name       | UI-English Station |
| Project Number     | 2170495            |
| AOC Number         | AOC-15             |
| Boring Number      | 12                 |
| Completion Depth   | 5                  |
| Boring Photo       |                    |



| Samples   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 50  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 0-0.5 asphalt; 0.5-2.0 fill consisting of medium, brown SAND and coarse gravel, little coal ash, with 4" concrete; 2.0-5 fill consisting of medium, brown SAND little gravel, damp at 4-5 |
| Notes   | Sample 0.5-1.5 pcbs etph; 1.5-2.5 pcbs; 4-5 pcbs  |

## Boring Log

### Record: 928

|                    |  |
|--------------------|--|
| Boring Company     | Cummins EnviroTech   |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Tim Schiavone  |
| Start Date         | 2017-09-07   |
| Start Time         | 09:26:00   |
| End Date           | 2017-09-07   |
| End Time           | 09:35:00   |
| Project Name       | UI-English Station   |
| Project Number     | 2170495  |
| AOC Number         | AOC-15   |
| Boring Number      | 13   |
| Completion Depth   | 5  |
| Notes              | Sample:<br>13-1: 0.5-1.5' ETPH, PCBs<br>13-2: 1.5-2.5'<br>13-3: 4-5' |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 23  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 1" asphalt<br>4" concrete<br>Moist black coarse sand fill with some gravel and trace silt. Coal ash and brick present |

## Boring Log

Record: 925

|                    |   |
|--------------------|---|
| Boring Company     | Cummins EnviroTech  |
| Foreman            | Timothy Schiavone   |
| W&S Representative | Tim Schiavone   |
| Start Date         | 2017-09-07  |
| Start Time         | 09:17:00  |
| End Date           | 2017-09-06  |
| End Time           | 09:28:00  |
| Project Name       | UI-English Station  |
| Project Number     | 2170495   |
| AOC Number         | AOC-15  |
| Boring Number      | 14  |
| Notes              | <p>Sample:</p> <p>14-1: 0.5-1.5' PCBs, ETPH</p> <p>14-2: 1.5-2.5' PCBs</p> <p>14-3: 4-5' PCBs</p> |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 36  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | <p>1" asphalt</p> <p>Moist black fill with coarse sand and some gravel trace silt. Bottom 6" moist brown coarse sand.</p> |

## Boring Log

### Record: 949

|                    |  |
|--------------------|--|
| Boring Company     | Cummins EnviroTech   |
| Foreman            | Timothy Schiavone  |
| W&S Representative | Tim Schiavone  |
| Start Date         | 2017-09-07   |
| Start Time         | 11:54:00   |
| End Date           | 2017-09-07   |
| End Time           | 12:11:00   |
| Project Name       | UI-English Station   |
| Project Number     | 2170495  |
| AOC Number         | AOC-15   |
| Boring Number      | 15   |
| Completion Depth   | 5  |
| Notes              | Sample:<br>15-1: 0.5-1.5' ETPH, PCBs<br>15-2: 1.5-2.5'<br>15-3: 4-5' |

### Samples

|   |   |
|---|---|
| Depth   | 5   |
| Penetration (inches)  | 60  |
| Recovery (inches)   | 37  |
| Depth (feet)  | 5   |
| PID (ppmv)  | 0   |
| Sample Description & Classification (Modified<br>Burmister) | 2" asphalt<br>10" concrete<br>Moist black fill with coarse sand and gravel. Trace amount of silt and cobble. Coal ash present |