

**APPENDIX B**

**HISTORIC BORING LOGS**

|                                            |                               |                                |                                                |
|--------------------------------------------|-------------------------------|--------------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Housatonic Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>8.5         | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut          | Logged By:                    | Date Started:                  | Date Completed:                                |
| Drilling Contractor:<br>ACE                | Drilling Foreman:             | Completion Depth (ft):<br>28.6 |                                                |
| Sampler:                                   | Casing Diameter (in):         | Casing Depth (ft):             |                                                |
| Drilling Equipment:                        | Sampler Hammer:               | Weight (lbs):<br>140           | Drop (in):<br>30                               |
| Drilling Rig:                              | Drilling Mud:                 | Water Level (ft)<br>▽          | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                                                                                 | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |
|---------------|--------|--------------------|--------------------------------------------------------------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|
|               |        |                    |                                                                                                                    |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |
|               |        |                    | Br. f-c sand, some f-c gravel, some silt mixed with variable amounts of cobbles, ash, cinders & brick frags (FILL) | 0              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 1              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 2              |             |      |             | 20                          |                         |         |
|               |        |                    |                                                                                                                    | 3              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 4              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 5              |             |      |             |                             |                         |         |
|               | F      |                    | Br. f-c sand, some f-c gravel, little silt mixed with variable amounts of brick frags (FILL)                       | 6              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 7              |             |      |             | 13                          |                         |         |
|               |        |                    |                                                                                                                    | 8              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 9              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 10             |             |      |             |                             |                         |         |
|               |        |                    | Br. f-c sand, little f-c gravel, tr. silt, occ. organic matter (FILL)                                              | 11             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 12             |             |      |             | 14                          |                         |         |
|               |        |                    |                                                                                                                    | 13             |             |      |             |                             |                         |         |
| -5.8          |        |                    |                                                                                                                    | 14             |             |      |             |                             |                         |         |
|               | O      |                    | Gray f sand, and organic silt (SM)                                                                                 | 15             |             |      |             |                             |                         |         |
|               |        |                    | Br. & blk organic silt (OL)                                                                                        | 16             |             |      |             |                             |                         |         |
| -8.2          |        |                    |                                                                                                                    | 17             |             |      |             |                             |                         |         |
|               | G      |                    | Br. f-c gravel, and f-c sand, tr. silt, occ. cobbles (GP)                                                          | 18             |             |      |             | 9                           |                         |         |
|               |        |                    |                                                                                                                    | 19             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 20             |             |      |             |                             |                         |         |
| -12.0         |        |                    |                                                                                                                    | 21             |             |      |             |                             |                         |         |
|               | S      |                    | Br. f-c sand, little f-c gravel, tr. silt, frequent cobbles (SP-SM)                                                | 22             |             |      |             | 31                          |                         |         |
|               |        |                    |                                                                                                                    | 23             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 24             |             |      |             |                             |                         |         |
| -16.0         |        |                    |                                                                                                                    | 25             |             |      |             |                             |                         |         |
|               | GT     |                    | Gray f-c sand, some silt, little f-c gravel (SM)(TILL)                                                             | 26             |             |      |             | 41                          |                         |         |
|               |        |                    |                                                                                                                    | 27             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 28             |             |      |             |                             |                         |         |
| -20.1         |        |                    |                                                                                                                    | 29             |             |      |             |                             |                         |         |
|               |        |                    | End Boring at 28.6'                                                                                                | 30             |             |      |             |                             |                         |         |

|                                            |                               |                                |                                                |
|--------------------------------------------|-------------------------------|--------------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Housatonic Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>8.0         | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut          | Logged By:                    | Date Started:                  | Date Completed:                                |
| Drilling Contractor:<br>ACE                | Drilling Foreman:             | Completion Depth (ft):<br>30.0 |                                                |
| Sampler:                                   | Casing Diameter (in):         | Casing Depth (ft):             |                                                |
| Drilling Equipment:                        | Sampler Hammer:               | Weight (lbs):<br>140           | Drop (in):<br>30                               |
| Drilling Rig:                              | Drilling Mud:                 | Water Level (ft)<br>▽          | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                                                    | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |
|---------------|--------|--------------------|---------------------------------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|
|               |        |                    |                                                                                       |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |
|               |        |                    | Br. m-f sand, some silt, mixed with variable amounts of cinders, ash & organic matter | 0              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                       | 1              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                       | 2              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                       | 3              |             |      |             | 11                          |                         |         |
|               |        |                    |                                                                                       | 4              |             |      |             |                             |                         |         |
|               |        |                    | Br. c-f sand, some silt, little f-c gravel, occ. cobbles (FILL)                       | 5              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                       | 6              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                       | 7              |             |      |             | 8                           |                         |         |
|               |        |                    |                                                                                       | 8              |             |      |             |                             |                         |         |
|               |        |                    | Gray br. silt, some f sand, occ. organic matter (FILL)                                | 9              |             |      |             |                             |                         |         |
| -2.0          |        |                    |                                                                                       | 10             |             |      |             |                             |                         |         |
|               |        |                    | Dk. br. organic silt, some f sand (OL)                                                | 11             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                       | 12             |             |      |             | 8                           |                         |         |
|               |        |                    |                                                                                       | 13             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                       | 14             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                       | 15             |             |      |             |                             |                         |         |
|               |        |                    | Br. bec. blk. organic silt (OL)                                                       | 16             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                       | 17             |             |      |             | 6                           |                         |         |
|               |        |                    |                                                                                       | 18             |             |      |             |                             |                         |         |
| -11.5         |        |                    |                                                                                       | 19             |             |      |             |                             |                         |         |
| -12.5         | COB    |                    | Cobbles                                                                               | 20             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                       | 21             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                       | 22             |             |      |             | 34                          |                         |         |
|               |        |                    |                                                                                       | 23             |             |      |             |                             |                         |         |
|               |        |                    | Br. f-c sand, some f-c gravel, tr. silt, frequent cobbles (SP-SM)                     | 24             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                       | 25             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                       | 26             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                       | 27             |             |      |             | 32                          |                         |         |
|               |        |                    |                                                                                       | 28             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                       | 29             |             |      |             |                             |                         |         |
| -22.0         |        |                    |                                                                                       | 30             |             |      |             |                             |                         |         |

End Boring at 30.0'

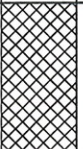
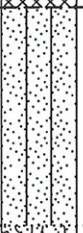
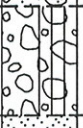
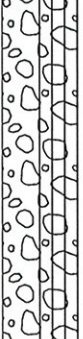
|                                            |                               |                         |                                                |
|--------------------------------------------|-------------------------------|-------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Housatonic Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>17.0 | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut          | Logged By:                    | Date Started:           | Date Completed:                                |
| Drilling Contractor:<br>ACE                |                               | Drilling Foreman:       | Completion Depth (ft):<br>42.0                 |
| Sampler:                                   |                               | Casing Diameter (in):   | Casing Depth (ft):                             |
| Drilling Equipment:                        | Sampler Hammer:               | Weight (lbs):<br>140    | Drop (in):<br>30                               |
| Drilling Rig:                              | Drilling Mud:                 | Water Level (ft)<br>▽   | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                                                             | Depth<br>Scale | Sample Data |      |             |                             |                         |   | Remarks |    |    |    |    |  |
|---------------|--------|--------------------|------------------------------------------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---|---------|----|----|----|----|--|
|               |        |                    |                                                                                                |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 0              |             |      |             |                             |                         | 0 | 10      | 20 | 30 | 40 | 50 |  |
|               |        |                    | Dk. gray f-c sand, cinders, ash, glass & organic matter (FILL)                                 | 1              |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 2              |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    | Yellowish ash (FILL)                                                                           | 3              |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 4              |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 5              |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 6              |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    | Blk. glass, tile, cinders, mortar, ash & brick (FILL)                                          | 7              |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 8              |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 9              |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 10             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 11             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    | Dk. br. cinders, slag, ash, tile, wire, burlap & gravel (FILL)                                 | 12             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 13             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 14             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 15             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    | Dk. br. cinders, wood, tile, ash, sand, gravel & silt (FILL)                                   | 16             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 17             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 18             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    | Blk. becoming br. f-c gravel, some f-c sand, trace silt (FILL)                                 | 19             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 20             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 21             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 22             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 23             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 24             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    | Br. f-c gravel, some/and f-c sand, trace silt, frequent cobbles, occasional metal frags (FILL) | 25             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 26             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 27             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 28             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 29             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                                | 30             |             |      |             |                             |                         |   |         |    |    |    |    |  |
| -13.0         |        |                    |                                                                                                |                |             |      |             |                             |                         |   |         |    |    |    |    |  |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                | Sample Description                                                | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |
|---------------|--------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|
|               |        |                                                                                   |                                                                   |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |
|               |        |                                                                                   |                                                                   | 30             |             |      |             |                             | 0 10 20 30 40 50        |         |
|               |        |                                                                                   |                                                                   | 31             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 32             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 33             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 34             |             |      |             |                             |                         |         |
| -18.0         | G      |  | Br. f-c gravel, some f-c sand, little silt, frequent cobbles (GM) | 35             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 36             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 37             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 38             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 39             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 40             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 41             |             |      |             |                             |                         |         |
| -25.0         | S      |  | Br. f-c sand, tr. f-c gravel, tr. silt (SP-SM)                    | 42             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 43             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 44             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 45             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 46             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 47             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 48             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 49             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 50             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 51             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 52             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 53             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 54             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 55             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 56             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 57             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 58             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 59             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 60             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 61             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 62             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 63             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 64             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 65             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 66             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 67             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                   | 68             |             |      |             |                             |                         |         |

|                                         |  |                            |  |                       |  |                             |  |
|-----------------------------------------|--|----------------------------|--|-----------------------|--|-----------------------------|--|
| Project: Ansonia/Derby Housatonic Levee |  | Project Number: 04019-0001 |  | Elevation (ft): 15.0  |  | Datum: Site Datum           |  |
| Location: Ansonia, Connecticut          |  | Logged By:                 |  | Date Started:         |  | Date Completed:             |  |
| Drilling Contractor: ACE                |  |                            |  | Drilling Foreman:     |  | Completion Depth (ft): 35.0 |  |
| Sampler:                                |  |                            |  | Casing Diameter (in): |  | Casing Depth (ft):          |  |
| Drilling Equipment:                     |  |                            |  | Sampler Hammer:       |  | Weight (lbs): 140           |  |
|                                         |  |                            |  |                       |  | Drop (in): 30               |  |
| Drilling Rig:                           |  | Drilling Mud:              |  | Water Level (ft):     |  | First: $\nabla$             |  |
|                                         |  |                            |  |                       |  | Completion: $\nabla$        |  |
|                                         |  |                            |  | 24 HR: $\nabla$       |  |                             |  |

| Elev. (ft) | Strata | Material Symbol                                                                     | Sample Description                                                                  | Depth Scale | Sample Data |      |             |                       |                      | Remarks |  |
|------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|-------------|------|-------------|-----------------------|----------------------|---------|--|
|            |        |                                                                                     |                                                                                     |             | Number      | Type | Recov. (in) | Penetr. Resist BL/6in | N-Value (Blows/foot) |         |  |
| 11.5       | F      |    | Blk. ash, coal dust & f-m sand (FILL)                                               | 0           |             |      |             |                       |                      |         |  |
|            |        |                                                                                     | Ash & cinders (FILL)                                                                | 1           |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 2           |             |      |             |                       |                      |         |  |
| 6.5        | S      |    | Br. f-c sand, little f-c gravel, little silt with variable amounts of cobbles (SM)  | 3           |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 4           |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 5           |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 6           |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 7           |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 8           |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 9           |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 10          |             |      |             |                       |                      |         |  |
| -2.5       | S/G    |   | Br. f-c sand & f-c gravel, tr. silt with variable amounts of cobbles (SP)/(GP)      | 11          |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 12          |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 13          |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 14          |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 15          |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 16          |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 17          |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 18          |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 19          |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 20          |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 21          |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 22          |             |      |             |                       |                      |         |  |
| -5.0       | G      |  | Br. f-c gravel, some f-c sand, tr. silt with variable amounts of cobbles (GP-GM)    | 23          |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 24          |             |      |             |                       |                      |         |  |
| -7.0       | S      |  | Br. c-f sand, and f-c gravel, tr. silt with variable amounts of cobbles (SP)        | 25          |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 26          |             |      |             |                       |                      |         |  |
|            | G      |  | Br. f-c gravel, some f-c sand, tr. silt, frequent becoming numerous cobbles (GP-GM) | 27          |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 28          |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 29          |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 30          |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 31          |             |      |             |                       |                      |         |  |
|            |        |                                                                                     |                                                                                     | 32          |             |      |             |                       |                      |         |  |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                | Sample Description                                                 | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |
|---------------|--------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|
|               |        |                                                                                   |                                                                    |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/gin | N-Value<br>(Blows/foot) |         |
|               |        |                                                                                   |                                                                    | 30             |             |      |             |                             | 0 10 20 30 40 50        |         |
| -17.5         | G      |  | Br. f-c gravel, and f-c sand, tr. silt, occ. cobbles<br>(GP-GM)    | 31             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 32             |             |      |             |                             |                         |         |
| -20.0         | S      |  | Br. f-c sand, little f-c gravel, little silt, occ. cobbles<br>(SM) | 33             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 34             |             |      |             |                             |                         |         |
|               |        |                                                                                   | End Boring at 35.0'                                                | 35             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 36             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 37             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 38             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 39             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 40             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 41             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 42             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 43             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 44             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 45             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 46             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 47             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 48             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 49             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 50             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 51             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 52             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 53             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 54             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 55             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 56             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 57             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 58             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 59             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 60             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 61             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 62             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 63             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 64             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 65             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 66             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 67             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                                    | 68             |             |      |             |                             |                         |         |

|                                            |                               |                                |                                                |
|--------------------------------------------|-------------------------------|--------------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Housatonic Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>12.0        | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut          | Logged By:                    | Date Started:                  | Date Completed:                                |
| Drilling Contractor:<br>ACE                | Drilling Foreman:             | Completion Depth (ft):<br>25.0 |                                                |
| Sampler:                                   | Casing Diameter (in):         | Casing Depth (ft):             |                                                |
| Drilling Equipment:                        | Sampler Hammer:               | Weight (lbs):<br>140           | Drop (in):<br>30                               |
| Drilling Rig:                              | Drilling Mud:                 | Water Level (ft)<br>▽          | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                                                     | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |    |    |    |    |  |
|---------------|--------|--------------------|----------------------------------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|----|----|----|----|--|
|               |        |                    |                                                                                        |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 0              |             |      |             |                             | 0                       | 10      | 20 | 30 | 40 | 50 |  |
|               |        |                    |                                                                                        | 1              |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    | Br. f sand, little silt, occ. cinders, ash, brick,<br>fiberboard & roots (FILL)        | 2              |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 3              |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 4              |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 5              |             |      |             |                             |                         |         |    |    |    |    |  |
|               | F      |                    |                                                                                        | 6              |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    | Gray br. cinders, ash, glass & metal (FILL)                                            | 7              |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 8              |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 9              |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 10             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    | Br. f-c sand, some silt, little f-c gravel, num.<br>cinders, brick, glass & ash (FILL) | 11             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 12             |             |      |             |                             |                         |         |    |    |    |    |  |
| -1.0          |        |                    |                                                                                        | 13             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 14             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 15             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 16             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 17             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 18             |             |      |             |                             |                         |         |    |    |    |    |  |
|               | S      |                    | Gray br. f-c sand, some f-c gravel, tr. silt (SP-SM)                                   | 19             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 20             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 21             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 22             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 23             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 24             |             |      |             |                             |                         |         |    |    |    |    |  |
| -13.0         |        |                    |                                                                                        | 25             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    | End Boring at 25.0'                                                                    | 26             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 27             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 28             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 29             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                    |                                                                                        | 30             |             |      |             |                             |                         |         |    |    |    |    |  |

|                                |  |                 |  |                       |  |                        |  |
|--------------------------------|--|-----------------|--|-----------------------|--|------------------------|--|
| Project:                       |  | Project Number: |  | Elevation (ft):       |  | Datum:                 |  |
| Ansonia/Derby Housatonic Levee |  | 04019-0001      |  | 14.0                  |  | Site Datum             |  |
| Location:                      |  | Logged By:      |  | Date Started:         |  | Date Completed:        |  |
| Ansonia, Connecticut           |  |                 |  |                       |  |                        |  |
| Drilling Contractor:           |  |                 |  | Drilling Foreman:     |  | Completion Depth (ft): |  |
| ACE                            |  |                 |  |                       |  | 25.0                   |  |
| Sampler:                       |  |                 |  | Casing Diameter (in): |  | Casing Depth (ft):     |  |
|                                |  |                 |  |                       |  |                        |  |
| Drilling Equipment:            |  |                 |  | Sampler Hammer:       |  | Weight (lbs):          |  |
|                                |  |                 |  |                       |  | 140                    |  |
| Drilling Rig:                  |  |                 |  | Drilling Mud:         |  | Drop (in):             |  |
|                                |  |                 |  |                       |  | 30                     |  |
|                                |  |                 |  | Water Level (ft)      |  | First:                 |  |
|                                |  |                 |  | ▽                     |  | Completion: ▽          |  |
|                                |  |                 |  |                       |  | 24 HR: ▽               |  |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                                                                                                                  | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |  |
|---------------|--------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|--|
|               |        |                    |                                                                                                                                                     |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |  |
|               |        |                    |                                                                                                                                                     | 0              |             |      |             |                             |                         |         |  |
|               |        |                    | Lt. br. f-c sand, little f-c gravel, tr. silt, occ. cinders & ash (FILL)                                                                            | 1              |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 2              |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 3              |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 4              |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 5              |             |      |             |                             |                         |         |  |
|               |        |                    | Gray br. & dk. gray f-c sand, little f-c gravel, little/some silt, occ. cinders & concrete frags (FILL)                                             | 6              |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 7              |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 8              |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 9              |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 10             |             |      |             |                             |                         |         |  |
|               |        |                    | Interlayered lt. br. f-c sand, little silt; dk gray silt, and f sand; dk. gray organic silt, some f sand, occ. organic matter, ash & cinders (FILL) | 11             |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 12             |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 13             |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 14             |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 15             |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 16             |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 17             |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 18             |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 19             |             |      |             |                             |                         |         |  |
|               |        |                    | Gray br. becoming br. f-c gravel, some f-c sand, tr. silt, occ. brick frags (FILL)                                                                  | 20             |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 21             |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 22             |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 23             |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 24             |             |      |             |                             |                         |         |  |
| -11.0         |        |                    | End Boring at 25.0'                                                                                                                                 | 25             |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 26             |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 27             |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 28             |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 29             |             |      |             |                             |                         |         |  |
|               |        |                    |                                                                                                                                                     | 30             |             |      |             |                             |                         |         |  |

|                                            |                               |                         |                                       |
|--------------------------------------------|-------------------------------|-------------------------|---------------------------------------|
| Project:<br>Ansonia/Derby Housatonic Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>12.0 | Datum:<br>Site Datum                  |
| Location:<br>Ansonia, Connecticut          | Logged By:                    | Date Started:           | Date Completed:                       |
| Drilling Contractor:<br>ACE                | Drilling Foreman:             |                         | Completion Depth (ft):<br>25.0        |
| Sampler:                                   | Casing Diameter (in):         |                         | Casing Depth (ft):                    |
| Drilling Equipment:                        | Sampler Hammer:               | Weight (lbs):<br>140    | Drop (in):<br>30                      |
| Drilling Rig:                              | Drilling Mud:                 | Water Level (ft)<br>▽   | First: ▽<br>Completion: ▽<br>24 HR: ▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                  | Sample Description                                                                                          | Depth<br>Scale | Sample Data                                                                         |                                              |             |                             |                         |   | Remarks |    |    |    |    |  |                        |
|---------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------|----------------------------------------------|-------------|-----------------------------|-------------------------|---|---------|----|----|----|----|--|------------------------|
|               |        |                                                                                     |                                                                                                             |                | Number                                                                              | Type                                         | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             |                |                                                                                     |                                              |             |                             |                         | 0 | 10      | 20 | 30 | 40 | 50 |  |                        |
|               | F      |   | Blk. & br. f-c gravel & f-c sand, some silt mixed with variable amounts of coal, cinders, ash & wood (FILL) | 0              |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  | 10'-13': numerous wood |
|               |        |                                                                                     |                                                                                                             | 1              |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 2              |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 3              |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 4              |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 5              |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 6              |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 7              |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 8              |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 9              |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 10             |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 11             |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               | 12     |                                                                                     |                                                                                                             |                |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
| -1.0          | G      |  | Br. f-c gravel, some f-c sand, little silt (GM)                                                             | 13             |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 14             |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
| -3.0          |        |                                                                                     |                                                                                                             | 15             |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               | S      |  | Br. f-c sand, some f-c gravel, tr. silt (SP)                                                                | 16             |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 17             |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 18             |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 19             |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 20             |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 21             |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 22             |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 23             |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
| -11.0         |        |                                                                                     |                                                                                                             | G              |  | Br. f-c gravel, some f-c sand, tr. silt (GP) | 24          |                             |                         |   |         |    |    |    |    |  |                        |
| -13.0         |        |                                                                                     |                                                                                                             |                |                                                                                     |                                              | 25          |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     | End Boring at 25.0'                                                                                         | 26             |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 27             |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 28             |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 29             |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |
|               |        |                                                                                     |                                                                                                             | 30             |                                                                                     |                                              |             |                             |                         |   |         |    |    |    |    |  |                        |

|                                            |                               |                                |                                                |
|--------------------------------------------|-------------------------------|--------------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Housatonic Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>3.0         | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut          | Logged By:                    | Date Started:                  | Date Completed:                                |
| Drilling Contractor:<br>ACE                | Drilling Foreman:             | Completion Depth (ft):<br>30.0 |                                                |
| Sampler:                                   | Casing Diameter (in):         | Casing Depth (ft):             |                                                |
| Drilling Equipment:                        | Sampler Hammer:               | Weight (lbs):<br>140           | Drop (in):<br>30                               |
| Drilling Rig:                              | Drilling Mud:                 | Water Level (ft):<br>▽         | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev. (ft) | Strata | Material Symbol | Sample Description                                     | Depth Scale | Sample Data |      |             |                        |                      | Remarks |
|------------|--------|-----------------|--------------------------------------------------------|-------------|-------------|------|-------------|------------------------|----------------------|---------|
|            |        |                 |                                                        |             | Number      | Type | Recov. (in) | Penetr. Resist. BL/gin | N-Value (Blows/foot) |         |
| 2.3        | O      |                 | Blk. organic silt, some f-c sand (OL)                  | 0           |             |      |             |                        |                      |         |
|            | G      |                 | Br. f-c gravel, and f-c sand, tr. silt (GP)            | 1           |             |      |             |                        |                      |         |
|            |        |                 |                                                        | 2           |             |      |             |                        |                      |         |
|            |        |                 |                                                        | 3           |             |      |             |                        |                      |         |
|            |        |                 |                                                        | 4           |             |      |             |                        |                      |         |
| -2.0       |        |                 |                                                        | 5           |             |      |             |                        |                      |         |
|            | S      |                 | Gray br. f-c sand, tr. silt (SP-SM)                    | 6           |             |      |             |                        |                      |         |
|            |        |                 |                                                        | 7           |             |      |             |                        |                      |         |
|            |        |                 |                                                        | 8           |             |      |             |                        |                      |         |
|            |        |                 |                                                        | 9           |             |      |             |                        |                      |         |
|            |        |                 | Gray br. f-c sand, little f-c gravel, tr. silt (SP-SM) | 10          |             |      |             |                        |                      |         |
|            |        |                 |                                                        | 11          |             |      |             |                        |                      |         |
|            |        |                 | Br. f-c sand, and f-c gravel, tr. silt (SP-SM)         | 12          |             |      |             |                        |                      |         |
| -8.5       |        |                 |                                                        | 13          |             |      |             |                        |                      |         |
|            | G      |                 | Br. f-c gravel, and f-c sand, tr. silt (GP-GM)         | 14          |             |      |             |                        |                      |         |
|            |        |                 |                                                        | 15          |             |      |             |                        |                      |         |
| -12.0      | S      |                 | Lt. br. f-c sand, some f-c gravel, little silt (SM)    | 16          |             |      |             |                        |                      |         |
| -13.5      |        |                 |                                                        | 17          |             |      |             |                        |                      |         |
|            | G      |                 | Gray f-c gravel, and f-c sand, tr. silt (GP-GM)        | 18          |             |      |             |                        |                      |         |
|            |        |                 |                                                        | 19          |             |      |             |                        |                      |         |
| -17.0      |        |                 |                                                        | 20          |             |      |             |                        |                      |         |
|            |        |                 | Gray br. f-c sand, some f-c gravel, little silt (SM)   | 21          |             |      |             |                        |                      |         |
|            |        |                 |                                                        | 22          |             |      |             |                        |                      |         |
|            |        |                 |                                                        | 23          |             |      |             |                        |                      |         |
|            | S      |                 | Lt. br. m-f sand, tr. silt (SP-SM)                     | 24          |             |      |             |                        |                      |         |
|            |        |                 |                                                        | 25          |             |      |             |                        |                      |         |
|            |        |                 |                                                        | 26          |             |      |             |                        |                      |         |
|            |        |                 |                                                        | 27          |             |      |             |                        |                      |         |
|            |        |                 |                                                        | 28          |             |      |             |                        |                      |         |
|            |        |                 |                                                        | 29          |             |      |             |                        |                      |         |
| -27.0      |        |                 |                                                        | 30          |             |      |             |                        |                      |         |

End Boring at 30.0'

|                                            |                               |                        |                                                |
|--------------------------------------------|-------------------------------|------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Housatonic Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>0.0 | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut          | Logged By:                    | Date Started:          | Date Completed:                                |
| Drilling Contractor:<br>ACE                | Drilling Foreman:             |                        | Completion Depth (ft):<br>30.0                 |
| Sampler:                                   | Casing Diameter (in):         | Casing Depth (ft):     |                                                |
| Drilling Equipment:                        | Sampler Hammer:               | Weight (lbs):<br>140   | Drop (in):<br>30                               |
| Drilling Rig:                              | Drilling Mud:                 | Water Level (ft)<br>▽  | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                                                                   | Depth<br>Scale | Sample Data |      |             |                              |                         | Remarks                  |
|---------------|--------|--------------------|------------------------------------------------------------------------------------------------------|----------------|-------------|------|-------------|------------------------------|-------------------------|--------------------------|
|               |        |                    |                                                                                                      |                | Number      | Type | Recov. (in) | Penetr.<br>Resist.<br>BL/6in | N-Value<br>(Blows/foot) |                          |
|               |        |                    | Bituminous concrete                                                                                  | 0              |             |      |             |                              |                         |                          |
|               |        |                    | Br. f-c sand, some f-c gravel, tr. silt, frequent cobbles (FILL)                                     | 1              |             |      |             | 64                           |                         |                          |
|               |        |                    | Concrete                                                                                             | 2              |             |      |             |                              |                         |                          |
| -2.5          | Conc/F |                    |                                                                                                      | 3              |             |      |             | 41                           |                         |                          |
|               |        |                    |                                                                                                      | 4              |             |      |             |                              |                         |                          |
|               |        |                    |                                                                                                      | 5              |             |      |             |                              |                         |                          |
|               |        |                    |                                                                                                      | 6              |             |      |             |                              |                         |                          |
|               |        |                    |                                                                                                      | 7              |             |      |             | 19                           |                         |                          |
|               |        |                    |                                                                                                      | 8              |             |      |             |                              |                         |                          |
|               |        |                    | Br. f-c gravel, some f-c sand, tr. silt mixed with variable amounts of brick & concrete frags (FILL) | 9              |             |      |             |                              |                         |                          |
|               |        |                    |                                                                                                      | 10             |             |      |             |                              |                         |                          |
|               |        |                    |                                                                                                      | 11             |             |      |             |                              |                         |                          |
|               |        |                    |                                                                                                      | 12             |             |      |             | 24                           |                         |                          |
|               |        |                    |                                                                                                      | 13             |             |      |             |                              |                         |                          |
|               |        |                    |                                                                                                      | 14             |             |      |             |                              |                         |                          |
|               |        |                    |                                                                                                      | 15             |             |      |             |                              |                         |                          |
|               |        |                    | Gr. f-c gravel, little f-c sand, little silt mixed with variable amounts of brick & cobbles (FILL)   | 16             |             |      |             | 31                           |                         |                          |
| -18.5         |        |                    |                                                                                                      | 17             |             |      |             |                              |                         |                          |
|               |        |                    | Gr. f-c sand, some f-c gravel, some silt, frequent cobbles (SM)                                      | 18             |             |      |             |                              |                         |                          |
|               |        |                    |                                                                                                      | 19             |             |      |             |                              |                         |                          |
| -20.5         | S      |                    |                                                                                                      | 20             |             |      |             |                              |                         |                          |
|               |        |                    |                                                                                                      | 21             |             |      |             |                              |                         |                          |
|               |        |                    | Br. f-c gravel, and f-c sand, tr. silt, frequent cobbles (GP)                                        | 22             |             |      |             | 64                           |                         |                          |
|               |        |                    |                                                                                                      | 23             |             |      |             |                              |                         |                          |
|               |        |                    |                                                                                                      | 24             |             |      |             |                              |                         |                          |
| -25.0         | G      |                    |                                                                                                      | 25             |             |      |             |                              |                         |                          |
|               |        |                    |                                                                                                      | 26             |             |      |             |                              |                         |                          |
|               |        |                    | Br. f sand, some silt (SM)                                                                           | 27             |             |      |             | 60                           |                         |                          |
|               |        |                    |                                                                                                      | 28             |             |      |             |                              |                         |                          |
|               |        |                    |                                                                                                      | 29             |             |      |             |                              |                         |                          |
| -30.0         | S      |                    |                                                                                                      | 30             |             |      |             |                              |                         | highly micaceous 25'-30' |

End Boring at 30.0'

|                                            |                               |                                |                                                |
|--------------------------------------------|-------------------------------|--------------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Housatonic Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>6.0         | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut          | Logged By:                    | Date Started:                  | Date Completed:                                |
| Drilling Contractor:<br>ACE                | Drilling Foreman:             | Completion Depth (ft):<br>30.0 |                                                |
| Sampler:                                   | Casing Diameter (in):         | Casing Depth (ft):             |                                                |
| Drilling Equipment:                        | Sampler Hammer:               | Weight (lbs):<br>140           | Drop (in):<br>30                               |
| Drilling Rig:                              | Drilling Mud:                 | Water Level (ft)<br>▽          | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                                              | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |
|---------------|--------|--------------------|---------------------------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|
|               |        |                    |                                                                                 |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |
| 3.0           | F      |                    | Br. m-f sand, tr. silt mixed with variable amounts of coal, wood & metal (FILL) | 0              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                 | 1              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                 | 2              |             |      |             | 11                          |                         |         |
|               |        |                    |                                                                                 | 3              |             |      |             |                             |                         |         |
|               | G      |                    | Br. f-c gravel, some f-c sand, tr. silt, frequent/num. cobbles (GP-GM)          | 4              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                 | 5              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                 | 6              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                 | 7              |             |      |             |                             |                         |         |
| -2.0          |        |                    |                                                                                 | 8              |             |      |             | 139                         |                         |         |
|               |        |                    |                                                                                 | 9              |             |      |             |                             |                         |         |
|               | S      |                    | Br. m-f sand, little silt (SM)                                                  | 10             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                 | 11             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                 | 12             |             |      |             | 19                          |                         |         |
|               |        |                    |                                                                                 | 13             |             |      |             |                             |                         |         |
| -9.0          |        |                    |                                                                                 | 14             |             |      |             |                             |                         |         |
|               | M      |                    | Br. silt, some f sand (ML)                                                      | 15             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                 | 16             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                 | 17             |             |      |             | 21                          |                         |         |
| -12.5         |        |                    |                                                                                 | 18             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                 | 19             |             |      |             |                             |                         |         |
|               | S      |                    | Br. m-f sand, tr. silt (SP-SM)                                                  | 20             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                 | 21             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                 | 22             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                 | 23             |             |      |             | 38                          |                         |         |
|               |        |                    |                                                                                 | 24             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                 | 25             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                 | 26             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                 | 27             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                 | 28             |             |      |             | 67                          |                         |         |
|               |        |                    |                                                                                 | 29             |             |      |             |                             |                         |         |
| -24.0         |        |                    |                                                                                 | 30             |             |      |             |                             |                         |         |

End Boring at 30.0'

|                                            |  |                               |  |                         |  |                                |  |
|--------------------------------------------|--|-------------------------------|--|-------------------------|--|--------------------------------|--|
| Project:<br>Ansonia/Derby Housatonic Levee |  | Project Number:<br>04019-0001 |  | Elevation (ft):<br>-2.0 |  | Datum:<br>Site Datum           |  |
| Location:<br>Ansonia, Connecticut          |  | Logged By:                    |  | Date Started:           |  | Date Completed:                |  |
| Drilling Contractor:<br>ACE                |  |                               |  | Drilling Foreman:       |  | Completion Depth (ft):<br>20.0 |  |
| Sampler:                                   |  |                               |  | Casing Diameter (in):   |  | Casing Depth (ft):             |  |
| Drilling Equipment:                        |  |                               |  | Sampler Hammer:         |  | Weight (lbs):<br>140           |  |
|                                            |  |                               |  |                         |  | Drop (in):<br>30               |  |
| Drilling Rig:                              |  | Drilling Mud:                 |  | Water Level (ft)<br>▽   |  | First:<br>▽                    |  |
|                                            |  |                               |  |                         |  | Completion:<br>▽               |  |
|                                            |  |                               |  |                         |  | 24 HR:<br>▽                    |  |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                  | Sample Description                                                                  | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |
|---------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|
|               |        |                                                                                     |                                                                                     |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |
|               |        |                                                                                     |                                                                                     | 0              |             |      |             |                             | 0 10 20 30 40 50        |         |
|               | F      |    | Br./dk. br.f-c gravel, some f-c sand. tr.silt.occ ash, glass & pottery frags (FILL) | 1              |             |      |             |                             |                         |         |
| -7.0          |        |                                                                                     |                                                                                     | 2              |             |      |             |                             |                         |         |
|               | F/G    |   | Br. f-c gravel, and f-c sand, tr. silt (GP-GM)/(FILL)                               | 3              |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 4              |             |      |             |                             |                         |         |
| -12.0         |        |                                                                                     |                                                                                     | 5              |             |      |             |                             |                         |         |
|               | G      |  | Lt. br.f-c gravel, and f-c sand, tr. silt (GP-GM)                                   | 6              |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 7              |             |      |             |                             |                         |         |
| -17.0         |        |                                                                                     |                                                                                     | 8              |             |      |             |                             |                         |         |
|               | S      |  | Lt. br.f-c sand, some silt, little f-c gravel (SM)                                  | 9              |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 10             |             |      |             |                             |                         |         |
| -22.0         |        |                                                                                     |                                                                                     | 11             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 12             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 13             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 14             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 15             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 16             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 17             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 18             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 19             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 20             |             |      |             |                             |                         |         |
|               |        |                                                                                     | End Boring at 20.0'                                                                 | 21             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 22             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 23             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 24             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 25             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 26             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 27             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 28             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 29             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                                                     | 30             |             |      |             |                             |                         |         |

|                                |  |                 |  |                       |  |                        |  |
|--------------------------------|--|-----------------|--|-----------------------|--|------------------------|--|
| Project:                       |  | Project Number: |  | Elevation (ft):       |  | Datum:                 |  |
| Ansonia/Derby Housatonic Levee |  | 04019-0001      |  | 15.0                  |  | Site Datum             |  |
| Location:                      |  | Logged By:      |  | Date Started:         |  | Date Completed:        |  |
| Ansonia, Connecticut           |  |                 |  |                       |  |                        |  |
| Drilling Contractor:           |  |                 |  | Drilling Foreman:     |  | Completion Depth (ft): |  |
| ACE                            |  |                 |  |                       |  | 35.0                   |  |
| Sampler:                       |  |                 |  | Casing Diameter (in): |  | Casing Depth (ft):     |  |
|                                |  |                 |  |                       |  |                        |  |
| Drilling Equipment:            |  |                 |  | Sampler Hammer:       |  | Weight (lbs):          |  |
|                                |  |                 |  |                       |  | 140                    |  |
| Drilling Rig:                  |  |                 |  | Drilling Mud:         |  | Drop (in):             |  |
|                                |  |                 |  |                       |  | 30                     |  |
|                                |  |                 |  | Water Level (ft)      |  | First:                 |  |
|                                |  |                 |  | ▽                     |  | Completion: ▽          |  |
|                                |  |                 |  |                       |  | 24 HR: ▽               |  |

| Elev. (ft) | Strata | Material Symbol | Sample Description                                                                                    | Depth Scale | Sample Data |      |             |                        |                      | Remarks                                 |
|------------|--------|-----------------|-------------------------------------------------------------------------------------------------------|-------------|-------------|------|-------------|------------------------|----------------------|-----------------------------------------|
|            |        |                 |                                                                                                       |             | Number      | Type | Recov. (in) | Penetr. Resist. BL/6in | N-Value (Blows/foot) |                                         |
|            |        |                 |                                                                                                       | 0           |             |      |             |                        |                      |                                         |
|            |        |                 | Br. f-c gravel, little f-c sand, little silt, numerous asphalt, brick, cinder & concrete frags (FILL) | 1           |             |      |             |                        |                      | 0'-5' approximately 70% soil components |
|            |        |                 |                                                                                                       | 2           |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 3           |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 4           |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 5           |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 6           |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 7           |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 8           |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 9           |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 10          |             |      |             |                        |                      |                                         |
|            |        |                 | Gray concrete, coal, ash, brick, asphalt and metal mixed with variable amounts of sand (FILL)         | 11          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 12          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 13          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 14          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 15          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 16          |             |      |             |                        |                      |                                         |
| -2.0       |        |                 |                                                                                                       | 17          |             |      |             |                        |                      |                                         |
|            |        |                 | Gray becoming gray br. f-c sand, some f-c gravel, tr. silt (SP-SM)                                    | 18          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 19          |             |      |             |                        |                      |                                         |
| -5.0       |        |                 |                                                                                                       | 20          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 21          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 22          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 23          |             |      |             |                        |                      |                                         |
|            |        |                 | Gray br. f-c gravel, some f-c sand, tr. silt, occ. cobbles (GP)                                       | 24          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 25          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 26          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 27          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 28          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 29          |             |      |             |                        |                      |                                         |
| -14.0      |        |                 |                                                                                                       | 30          |             |      |             |                        |                      |                                         |
|            |        |                 | Cobbles                                                                                               | 31          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 32          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 33          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 34          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 35          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 36          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 37          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 38          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 39          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 40          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 41          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 42          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 43          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 44          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 45          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 46          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 47          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 48          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 49          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 50          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       | 51          |             |      |             |                        |                      |                                         |
|            |        |                 |                                                                                                       |             |             |      |             |                        |                      |                                         |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                | Sample Description                                              | Depth<br>Scale | Sample Data |      |             |                              |                         | Remarks |
|---------------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------|-------------|------|-------------|------------------------------|-------------------------|---------|
|               |        |                                                                                   |                                                                 |                | Number      | Type | Recov. (in) | Penetr.<br>Resist.<br>BL/6in | N-Value<br>(Blows/foot) |         |
| -15.5         |        |                                                                                   |                                                                 | 30             |             |      |             |                              |                         |         |
|               | G      |  | Gray br. f-c gravel, some f-c sand, tr. silt, occ. cobbles (GP) | 31             |             |      |             |                              |                         |         |
| -17.8         |        |                                                                                   |                                                                 | 32             |             |      |             |                              |                         |         |
|               | S      |  | Br. m-f sand, tr. silt (SP)                                     | 33             |             |      |             |                              |                         |         |
| -20.0         |        |                                                                                   |                                                                 | 34             |             |      |             |                              |                         |         |
|               |        |                                                                                   | End Boring at 35.0'                                             | 35             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 36             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 37             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 38             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 39             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 40             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 41             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 42             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 43             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 44             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 45             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 46             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 47             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 48             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 49             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 50             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 51             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 52             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 53             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 54             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 55             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 56             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 57             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 58             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 59             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 60             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 61             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 62             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 63             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 64             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 65             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 66             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 67             |             |      |             |                              |                         |         |
|               |        |                                                                                   |                                                                 | 68             |             |      |             |                              |                         |         |

|                                            |                               |                        |                                                |
|--------------------------------------------|-------------------------------|------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Housatonic Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>6.0 | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut          | Logged By:                    | Date Started:          | Date Completed:                                |
| Drilling Contractor:<br>ACE                | Drilling Foreman:             |                        | Completion Depth (ft):<br>30.0                 |
| Sampler:                                   | Casing Diameter (in):         | Casing Depth (ft):     |                                                |
| Drilling Equipment:                        | Sampler Hammer:               | Weight (lbs):<br>140   | Drop (in):<br>30                               |
| Drilling Rig:                              | Drilling Mud:                 | Water Level (ft)<br>▽  | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                  | Sample Description                                                                                     | Depth<br>Scale | Sample Data |      |             |                            |                         | Remarks           |
|---------------|--------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------|-------------|------|-------------|----------------------------|-------------------------|-------------------|
|               |        |                                                                                     |                                                                                                        |                | Number      | Type | Recov. (in) | Pendr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |                   |
| 5.5           | conc   |    | Bituminous Concrete                                                                                    | 0              |             |      |             |                            |                         |                   |
|               | F      |   | Br. f-c sand, little silt mixed with variable amounts of coal, cinders & cobbles (FILL)                | 1              |             |      |             | 15                         |                         |                   |
|               |        |                                                                                     |                                                                                                        | 2              |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 3              |             |      |             | 8                          |                         |                   |
|               |        |                                                                                     |                                                                                                        | 4              |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 5              |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 6              |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 7              |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 8              |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 9              |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 10             |             |      |             | 8                          |                         |                   |
|               |        |                                                                                     |                                                                                                        | 11             |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 12             |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 13             |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 14             |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 15             |             |      |             |                            |                         |                   |
|               |        |                                                                                     | Br. f-c gravel, some f-c sand, little silt mixed with variable amounts of cinders & brick frags (FILL) | 16             |             |      |             | 15                         |                         |                   |
|               |        |                                                                                     |                                                                                                        | 17             |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 18             |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 19             |             |      |             |                            |                         |                   |
| -14.5         | G      |  | Br. f-c gravel, and f-c sand, tr. silt, num. cobbles (GP-GM)                                           | 20             |             |      |             | 94                         |                         |                   |
|               |        |                                                                                     |                                                                                                        | 21             |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 22             |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 23             |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 24             |             |      |             |                            |                         |                   |
| -19.0         | S      |  | Br. m-f sand, tr. silt (SP-SM)                                                                         | 25             |             |      |             | 27                         |                         |                   |
|               |        |                                                                                     |                                                                                                        | 26             |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 27             |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 28             |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 29             |             |      |             |                            |                         |                   |
|               |        |                                                                                     |                                                                                                        | 30             |             |      |             |                            |                         |                   |
| -24.0         |        |                                                                                     |                                                                                                        |                |             |      |             |                            |                         | micaceous 25'-30' |

End Boring at 30.0'

|                                            |                               |                                |                                                |
|--------------------------------------------|-------------------------------|--------------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Housatonic Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>-3.0        | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut          | Logged By:                    | Date Started:                  | Date Completed:                                |
| Drilling Contractor:<br>ACE                | Drilling Foreman:             | Completion Depth (ft):<br>20.0 |                                                |
| Sampler:                                   | Casing Diameter (in):         | Casing Depth (ft):             |                                                |
| Drilling Equipment:                        | Sampler Hammer:               | Weight (lbs):<br>140           | Drop (in):<br>30                               |
| Drilling Rig:                              | Drilling Mud:                 | Water Level (ft)<br>▽          | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                  | Sample Description                                                                                        | Depth<br>Scale | Sample Data |      |             |                              |                         | Remarks |
|---------------|--------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------|-------------|------|-------------|------------------------------|-------------------------|---------|
|               |        |                                                                                     |                                                                                                           |                | Number      | Type | Recov. (in) | Penetr.<br>Resist.<br>BL/6in | N-Value<br>(Blows/foot) |         |
| -4.5          | F      |    | Dk. gray & blk, f-c gravel, some m-f sand, little silt, occ. organics, glass, brick & pottery frags (FLL) | 0              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 1              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 2              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 3              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 4              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 5              |             |      |             |                              |                         |         |
|               | S/G    |   | Br. f-c sand, and f-c gravel, little silt (SM) & Br. f-c gravel, some f-c sand, tr. silt (GP-GM)          | 6              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 7              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 8              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 9              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 10             |             |      |             |                              |                         |         |
| -13.0         |        |                                                                                     |                                                                                                           | 11             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 12             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 13             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 14             |             |      |             |                              |                         |         |
|               | S      |  | Lt. br. f-c sand, little f-c gravel, little silt (SM)                                                     | 15             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 16             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 17             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 18             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 19             |             |      |             |                              |                         |         |
| -23.0         |        |                                                                                     |                                                                                                           | 20             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 21             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 22             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 23             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 24             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 25             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 26             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 27             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 28             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 29             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                                                                           | 30             |             |      |             |                              |                         |         |

|                                            |                               |                                |                                                |
|--------------------------------------------|-------------------------------|--------------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Housatonic Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>6.0         | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut          | Logged By:                    | Date Started:                  | Date Completed:                                |
| Drilling Contractor:<br>ACE                | Drilling Foreman:             | Completion Depth (ft):<br>30.0 |                                                |
| Sampler:                                   | Casing Diameter (in):         | Casing Depth (ft):             |                                                |
| Drilling Equipment:                        | Sampler Hammer:               | Weight (lbs):<br>140           | Drop (in):<br>30                               |
| Drilling Rig:                              | Drilling Mud:                 | Water Level (ft)<br>▽          | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                                                                                 | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |
|---------------|--------|--------------------|--------------------------------------------------------------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|
|               |        |                    |                                                                                                                    |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |
|               |        |                    | Bituminous concrete                                                                                                | 0              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 1              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 2              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 3              |             |      |             | 33                          |                         |         |
|               |        |                    |                                                                                                                    | 4              |             |      |             |                             |                         |         |
|               |        |                    | Br. f-c sand, some f-c gravel, little silt mixed with<br>variable amounts of cinders, wood & brick frags<br>(FILL) | 5              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 6              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 7              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 8              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 9              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 10             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 11             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 12             |             |      |             | 17                          |                         |         |
|               |        |                    | Br. f-c gravel, and f-c sand, little silt mixed with<br>variable amounts of cinders & wood (FILL)                  | 13             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 14             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 15             |             |      |             |                             |                         |         |
| -10.0         |        |                    |                                                                                                                    | 16             |             |      |             |                             |                         |         |
| -10.5         | cbl    |                    | cobbles                                                                                                            | 16             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 17             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 18             |             |      |             | 38                          |                         |         |
|               |        |                    |                                                                                                                    | 19             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 20             |             |      |             |                             |                         |         |
|               |        |                    | Br. f-c gravel & f-c sand, tr. silt, frequent cobbles<br>(GP)/(SP)                                                 | 21             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 22             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 23             |             |      |             | 57                          |                         |         |
|               |        |                    |                                                                                                                    | 24             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 25             |             |      |             |                             |                         |         |
| -19.5         |        |                    |                                                                                                                    | 26             |             |      |             |                             |                         |         |
|               |        |                    | Br. f-c sand, little f-c gravel, tr. silt (SP-SM)                                                                  | 27             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 28             |             |      |             | 40                          |                         |         |
|               |        |                    | Br. m-f sand, tr. silt (SP)                                                                                        | 29             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 30             |             |      |             |                             |                         |         |

End Boring at 30.0'

|                                            |  |                               |  |                        |             |                                |                  |
|--------------------------------------------|--|-------------------------------|--|------------------------|-------------|--------------------------------|------------------|
| Project:<br>Ansonia/Derby Housatonic Levee |  | Project Number:<br>04019-0001 |  | Elevation (ft):<br>0.0 |             | Datum:<br>Site Datum           |                  |
| Location:<br>Ansonia, Connecticut          |  | Logged By:                    |  | Date Started:          |             | Date Completed:                |                  |
| Drilling Contractor:<br>ACE                |  |                               |  | Drilling Foreman:      |             | Completion Depth (ft):<br>25.0 |                  |
| Sampler:                                   |  |                               |  | Casing Diameter (in):  |             | Casing Depth (ft):             |                  |
| Drilling Equipment:                        |  |                               |  | Sampler Hammer:        |             | Weight (lbs):<br>140           | Drop (in):<br>30 |
| Drilling Rig:                              |  | Drilling Mud:                 |  | Water Level (ft)       | First:<br>▼ | Completion:<br>▼               | 24 HR:<br>▼      |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                           | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |
|---------------|--------|--------------------|--------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|
|               |        |                    |                                                              |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |
|               |        |                    | Dk. gray f-c sand, little silt (FILL)                        | 0              |             |      |             |                             |                         |         |
|               |        |                    | Dk. gray f-c sand, some f-c gravel, tr. silt (FILL)          | 1              |             |      |             |                             |                         |         |
|               |        |                    | Dk. gray f-c gravel, some f-c sand, tr. silt (FILL)          | 2              |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 3              |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 4              |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 5              |             |      |             |                             |                         |         |
|               |        |                    | Br. f-c gravel, some f-c sand, tr. silt (FILL)               | 6              |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 7              |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 8              |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 9              |             |      |             |                             |                         |         |
| -10.0         |        |                    |                                                              | 10             |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 11             |             |      |             |                             |                         |         |
|               |        |                    | Lt. br. f-c gravel, and f-c sand, tr. silt (GP-GM)           | 12             |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 13             |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 14             |             |      |             |                             |                         |         |
| -15.0         |        |                    |                                                              | 15             |             |      |             |                             |                         |         |
|               |        |                    | Lt. br. f-c sand, little f-c gravel, tr. silt (SW-SM)        | 16             |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 17             |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 18             |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 19             |             |      |             |                             |                         |         |
|               |        |                    | Gray br. & lt. br. f-c sand, some f-c gravel, some silt (SM) | 20             |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 21             |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 22             |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 23             |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 24             |             |      |             |                             |                         |         |
| -25.0         |        |                    | End Boring at 25.0'                                          | 25             |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 26             |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 27             |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 28             |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 29             |             |      |             |                             |                         |         |
|               |        |                    |                                                              | 30             |             |      |             |                             |                         |         |

|                                            |  |                               |  |                         |             |                                |                  |
|--------------------------------------------|--|-------------------------------|--|-------------------------|-------------|--------------------------------|------------------|
| Project:<br>Ansonia/Derby Housatonic Levee |  | Project Number:<br>04019-0001 |  | Elevation (ft):<br>-3.0 |             | Datum:<br>Site Datum           |                  |
| Location:<br>Ansonia, Connecticut          |  | Logged By:                    |  | Date Started:           |             | Date Completed:                |                  |
| Drilling Contractor:<br>ACE                |  |                               |  | Drilling Foreman:       |             | Completion Depth (ft):<br>25.0 |                  |
| Sampler:                                   |  |                               |  | Casing Diameter (in):   |             | Casing Depth (ft):             |                  |
| Drilling Equipment:                        |  |                               |  | Sampler Hammer:         |             | Weight (lbs):<br>140           | Drop (in):<br>30 |
| Drilling Rig:                              |  | Drilling Mud:                 |  | Water Level (ft)        | First:<br>▽ | Completion:<br>▽               | 24 HR:<br>▽      |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                  | Sample Description                              | Depth<br>Scale | Sample Data |      |             |                              |                         | Remarks |
|---------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------|----------------|-------------|------|-------------|------------------------------|-------------------------|---------|
|               |        |                                                                                     |                                                 |                | Number      | Type | Recov. (in) | Penetr.<br>Resist.<br>BL/6in | N-Value<br>(Blows/foot) |         |
|               | G      |    | Gray br. f-c gravel, and f-c sand tr. silt (GP) | 0              |             |      |             |                              |                         |         |
| -5.5          |        |                                                                                     |                                                 | 1              |             |      |             |                              |                         |         |
|               | S      |    | Gray br. f-c sand, and f-c gravel tr. silt (GP) | 2              |             |      |             |                              |                         |         |
| -8.0          |        |                                                                                     |                                                 | 3              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 4              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 5              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 6              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 7              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 8              |             |      |             |                              |                         |         |
|               | G      |   | Br. f-c gravel, and f-c sand, tr. silt (GW-GP)  | 9              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 10             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 11             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 12             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 13             |             |      |             |                              |                         |         |
| -18.0         |        |                                                                                     |                                                 | 14             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 15             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 16             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 17             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 18             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 19             |             |      |             |                              |                         |         |
|               | S      |  | Br. f-c sand, tr. f-c gravel, tr. silt (SW)     | 20             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 21             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 22             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 23             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 24             |             |      |             |                              |                         |         |
| -28.0         |        |                                                                                     |                                                 | 25             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 26             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 27             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 28             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 29             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                 | 30             |             |      |             |                              |                         |         |

|                                            |  |                               |  |                         |  |                                |  |
|--------------------------------------------|--|-------------------------------|--|-------------------------|--|--------------------------------|--|
| Project:<br>Ansonia/Derby Housatonic Levee |  | Project Number:<br>04019-0001 |  | Elevation (ft):<br>-5.0 |  | Datum:<br>Site Datum           |  |
| Location:<br>Ansonia, Connecticut          |  | Logged By:                    |  | Date Started:           |  | Date Completed:                |  |
| Drilling Contractor:<br>ACE                |  |                               |  | Drilling Foreman:       |  | Completion Depth (ft):<br>25.0 |  |
| Sampler:                                   |  |                               |  | Casing Diameter (in):   |  | Casing Depth (ft):             |  |
| Drilling Equipment:                        |  |                               |  | Sampler Hammer:         |  | Weight (lbs):<br>140           |  |
|                                            |  |                               |  |                         |  | Drop (in):<br>30               |  |
| Drilling Rig:                              |  | Drilling Mud:                 |  | Water Level (ft)<br>▽   |  | First:<br>▽                    |  |
|                                            |  |                               |  |                         |  | Completion:<br>▽               |  |
|                                            |  |                               |  |                         |  | 24 HR:<br>▽                    |  |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                  | Sample Description                                                     | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |    |    |    |    |  |
|---------------|--------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|----|----|----|----|--|
|               |        |                                                                                     |                                                                        |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |    |    |    |    |  |
| -6.0          | F      |    | Gray br. f-c gravel, some f-c snd, tr. silt, occ. coal dust (FILL)     | 0              |             |      |             |                             | 0                       | 10      | 20 | 30 | 40 | 50 |  |
|               |        |                                                                                     |                                                                        | 1              |             |      |             |                             |                         |         |    |    |    |    |  |
|               | G      |    | Gray f-c gravel, some f-c sand, tr. silt (GP)                          | 2              |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 3              |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 4              |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 5              |             |      |             |                             |                         |         |    |    |    |    |  |
| -10.0         | S      |   | Gray f-c sand, some f-c gravel, tr. silt (SP-SM)                       | 6              |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 7              |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 8              |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 9              |             |      |             |                             |                         |         |    |    |    |    |  |
| -15.0         | G      |  | Br. f-c gravel, and f-c sand, tr. silt (GP)                            | 10             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 11             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 12             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 13             |             |      |             |                             |                         |         |    |    |    |    |  |
| -19.0         | S      |  | Gray br. f-c sand, little f-c gravel, tr. silt (SP-SM)                 | 14             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 15             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 16             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 17             |             |      |             |                             |                         |         |    |    |    |    |  |
|               | S      |  | Gray br. grading to lt. br. f-c sand, little f-c gravel, tr. silt (SP) | 18             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 19             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 20             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 21             |             |      |             |                             |                         |         |    |    |    |    |  |
| -25.5         | G      |  | Gray f-c gravel, and f-c sand, tr. silt (GP-GM)                        | 22             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 23             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 24             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 25             |             |      |             |                             |                         |         |    |    |    |    |  |
| -30.0         |        |                                                                                     | End Boring at 25.0'                                                    | 26             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 27             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 28             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 29             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 30             |             |      |             |                             |                         |         |    |    |    |    |  |
|               |        |                                                                                     |                                                                        | 31             |             |      |             |                             |                         |         |    |    |    |    |  |

|                                            |                               |                         |                                                |
|--------------------------------------------|-------------------------------|-------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Housatonic Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>14.0 | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut          | Logged By:                    | Date Started:           | Date Completed:                                |
| Drilling Contractor:<br>ACE                | Drilling Foreman:             |                         | Completion Depth (ft):<br>25.0                 |
| Sampler:                                   | Casing Diameter (in):         |                         | Casing Depth (ft):                             |
| Drilling Equipment:                        | Sampler Hammer:               | Weight (lbs):<br>140    | Drop (in):<br>30                               |
| Drilling Rig:                              | Drilling Mud:                 | Water Level (ft)<br>▽   | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                  | Sample Description                                                          | Depth<br>Scale | Sample Data |      |             |                              |                         | Remarks |    |    |    |    |  |                                                     |
|---------------|--------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------|-------------|------|-------------|------------------------------|-------------------------|---------|----|----|----|----|--|-----------------------------------------------------|
|               |        |                                                                                     |                                                                             |                | Number      | Type | Recov. (in) | Penetr.<br>Resist.<br>BL/6in | N-Value<br>(Blows/foot) |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 0              |             |      |             |                              | 0                       | 10      | 20 | 30 | 40 | 50 |  |                                                     |
| 1.0           | F      |   | Br. f-c gravel, some m-f sand, tr. silt. occ. asphalt, ash & cinders (FILL) | 1              |             |      |             |                              |                         |         |    |    |    |    |  | 2'-7.5': occ. 1/2" dia. pockets of silt, and f sand |
|               |        |                                                                                     |                                                                             | 2              |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 3              |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 4              |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 5              |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 6              |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 7              |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 8              |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 9              |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 10             |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 11             |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 12             |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 13             |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
| -11.0         | G      |  |                                                                             | 14             |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 15             |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 16             |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 17             |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 18             |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 19             |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 20             |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 21             |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 22             |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 23             |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 24             |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 25             |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     |                                                                             | 26             |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               | 27     |                                                                                     |                                                                             |                |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               | 28     |                                                                                     |                                                                             |                |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               | 29     |                                                                                     |                                                                             |                |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               | 30     |                                                                                     |                                                                             |                |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |
|               |        |                                                                                     | End Boring at 25.0'                                                         |                |             |      |             |                              |                         |         |    |    |    |    |  |                                                     |

|                                            |  |                               |  |                         |  |                                |  |
|--------------------------------------------|--|-------------------------------|--|-------------------------|--|--------------------------------|--|
| Project:<br>Ansonia/Derby Housatonic Levee |  | Project Number:<br>04019-0001 |  | Elevation (ft):<br>16.0 |  | Datum:<br>Site Datum           |  |
| Location:<br>Ansonia, Connecticut          |  | Logged By:                    |  | Date Started:           |  | Date Completed:                |  |
| Drilling Contractor:<br>ACE                |  |                               |  | Drilling Foreman:       |  | Completion Depth (ft):<br>35.0 |  |
| Sampler:                                   |  |                               |  | Casing Diameter (in):   |  | Casing Depth (ft):             |  |
| Drilling Equipment:                        |  |                               |  | Sampler Hammer:         |  | Weight (lbs):<br>140           |  |
|                                            |  |                               |  |                         |  | Drop (in):<br>30               |  |
| Drilling Rig:                              |  | Drilling Mud:                 |  | Water Level (ft)        |  | First:<br>Completion:          |  |
|                                            |  |                               |  | 24 HR:                  |  |                                |  |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                  | Sample Description                                                                               | Depth<br>Scale                                                                                 | Sample Data |      |             |                              |                         | Remarks                                     |
|---------------|--------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------|------|-------------|------------------------------|-------------------------|---------------------------------------------|
|               |        |                                                                                     |                                                                                                  |                                                                                                | Number      | Type | Recov. (in) | Penetr.<br>Resist.<br>BL/6in | N-Value<br>(Blows/foot) |                                             |
|               | F      |   | Blk. cinders, coal, ash, asphalt, glass, metal, brick mixed with variable amounts of sand (FILL) | 0<br>1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17 |             |      |             |                              |                         | 0'-5': "clinkers" observed                  |
| -2.0          | S      |  | Dk. br. f sand, and organic silt, occ. wood, coal & pottery frags (FILL)                         | 18<br>19                                                                                       |             |      |             |                              |                         | 5'-16': occasional clumps of buried topsoil |
| -4.0          | G      |  | Gray br. f-c sand, little f-c gravel, tr. silt (SP-SM)                                           | 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27                                                   |             |      |             |                              |                         |                                             |
|               |        |                                                                                     | Gray becoming red br. f-c gravel, and f-c sand, tr. silt (GP-GM)                                 | 28<br>29<br>30                                                                                 |             |      |             |                              |                         |                                             |
| -12.0         | BLD    |  | Boulder                                                                                          |                                                                                                |             |      |             |                              |                         |                                             |
| -13.2         | G      |  | Br. f-c gravel, and f-c sand, little silt (GM)                                                   |                                                                                                |             |      |             |                              |                         |                                             |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                            | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |
|---------------|--------|--------------------|---------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|
|               |        |                    |                                                               |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |
| -14.5         |        |                    |                                                               | 30             |             |      |             |                             | 0 10 20 30 40 50        |         |
|               | GT     |                    | Gray br. f-c sand, some f-c gravel, little silt<br>(SM)(TILL) | 31             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 32             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 33             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 34             |             |      |             |                             |                         |         |
| -19.0         |        |                    | End Boring at 35.0'                                           | 35             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 36             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 37             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 38             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 39             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 40             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 41             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 42             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 43             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 44             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 45             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 46             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 47             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 48             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 49             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 50             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 51             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 52             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 53             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 54             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 55             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 56             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 57             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 58             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 59             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 60             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 61             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 62             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 63             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 64             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 65             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 66             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 67             |             |      |             |                             |                         |         |
|               |        |                    |                                                               | 68             |             |      |             |                             |                         |         |

|                                            |  |                               |  |                         |  |                                |  |
|--------------------------------------------|--|-------------------------------|--|-------------------------|--|--------------------------------|--|
| Project:<br>Ansonia/Derby Housatonic Levee |  | Project Number:<br>04019-0001 |  | Elevation (ft):<br>15.0 |  | Datum:<br>Site Datum           |  |
| Location:<br>Ansonia, Connecticut          |  | Logged By:                    |  | Date Started:           |  | Date Completed:                |  |
| Drilling Contractor:<br>ACE                |  |                               |  | Drilling Foreman:       |  | Completion Depth (ft):<br>25.0 |  |
| Sampler:                                   |  |                               |  | Casing Diameter (in):   |  | Casing Depth (ft):             |  |
| Drilling Equipment:                        |  |                               |  | Sampler Hammer:         |  | Weight (lbs):<br>140           |  |
|                                            |  |                               |  |                         |  | Drop (in):<br>30               |  |
| Drilling Rig:                              |  | Drilling Mud:                 |  | Water Level (ft)<br>▽   |  | First:<br>▽                    |  |
|                                            |  |                               |  |                         |  | Completion:<br>▽               |  |
|                                            |  |                               |  |                         |  | 24 HR:<br>▽                    |  |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                                                   | Depth<br>Scale | Sample Data |      |             |                             |                         |   | Remarks |    |    |    |    |  |
|---------------|--------|--------------------|--------------------------------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---|---------|----|----|----|----|--|
|               |        |                    |                                                                                      |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 0              |             |      |             |                             |                         | 0 | 10      | 20 | 30 | 40 | 50 |  |
|               |        |                    | Blk & br. f-c snd and f-c gravel w/variable<br>amounts of cinders, ash & coal (FILL) | 1              |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 2              |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 3              |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 4              |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 5              |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               | F      |                    | Cinders & ash (FILL)                                                                 | 6              |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 7              |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 8              |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 9              |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 10             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    | Cinders, ash, brick & glass mixed w/ variable<br>amounts of sand (FILL)              | 11             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 12             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 13             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 14             |             |      |             |                             |                         |   |         |    |    |    |    |  |
| 0.0           |        |                    |                                                                                      | 15             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               | F/O    |                    | Dk. gray organic silt, litte f sand, occ. roots &<br>brick frags (FILL)              | 16             |             |      |             |                             |                         |   |         |    |    |    |    |  |
| -2.0          |        |                    |                                                                                      | 17             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 18             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 19             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               | S/G    |                    | Gray br. becoming br f-c sand & f-c gravel, tr. silt<br>(SP)/(GP)                    | 20             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 21             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 22             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 23             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 24             |             |      |             |                             |                         |   |         |    |    |    |    |  |
| -10.0         |        |                    | End Boring at 25.0'                                                                  | 25             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 26             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 27             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 28             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 29             |             |      |             |                             |                         |   |         |    |    |    |    |  |
|               |        |                    |                                                                                      | 30             |             |      |             |                             |                         |   |         |    |    |    |    |  |

|                                            |  |                               |  |                         |             |                                |                  |
|--------------------------------------------|--|-------------------------------|--|-------------------------|-------------|--------------------------------|------------------|
| Project:<br>Ansonia/Derby Housatonic Levee |  | Project Number:<br>04019-0001 |  | Elevation (ft):<br>15.0 |             | Datum:<br>Site Datum           |                  |
| Location:<br>Ansonia, Connecticut          |  | Logged By:                    |  | Date Started:           |             | Date Completed:                |                  |
| Drilling Contractor:<br>ACE                |  |                               |  | Drilling Foreman:       |             | Completion Depth (ft):<br>35.0 |                  |
| Sampler:                                   |  |                               |  | Casing Diameter (in):   |             | Casing Depth (ft):             |                  |
| Drilling Equipment:                        |  |                               |  | Sampler Hammer:         |             | Weight (lbs):<br>140           | Drop (in):<br>30 |
| Drilling Rig:                              |  | Drilling Mud:                 |  | Water Level (ft)        | First:<br>▽ | Completion:<br>▽               | 24 HR:<br>▽      |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                  | Sample Description                                                                                                        | Depth<br>Scale                                                          | Sample Data |      |             |                             |                         | Remarks |
|---------------|--------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------|------|-------------|-----------------------------|-------------------------|---------|
|               |        |                                                                                     |                                                                                                                           |                                                                         | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |
| 14.0          | TS     |    | Topsoil                                                                                                                   | 0                                                                       |             |      |             |                             |                         |         |
|               | F      |   | Br. bec. white & gray ash, brick, coal, concrete, glass, cinders & shell frags. mixed w/ variables amounts of sand (FILL) | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14 |             |      |             |                             |                         |         |
| -0.5          |        |                                                                                     | Br. f-c gravel, and f-c sand, tr. silt, occ. wood, coal & metal (FILL)                                                    | 15                                                                      |             |      |             |                             |                         |         |
|               | G      |  | Gray br. f-c gravel, and f-c sand, tr. silt (GP)                                                                          | 16<br>17<br>18<br>19                                                    |             |      |             |                             |                         |         |
| -5.0          |        |                                                                                     |                                                                                                                           | 20                                                                      |             |      |             |                             |                         |         |
|               | S      |  | Gray br. f-c sand, some f-c gravel, tr. silt, occ. cobbles (SP-SM)                                                        | 21<br>22<br>23<br>24<br>25<br>26<br>27                                  |             |      |             |                             |                         |         |
| -13.0         |        |                                                                                     |                                                                                                                           | 28                                                                      |             |      |             |                             |                         |         |
|               | Cobb   |  | Cobbles                                                                                                                   | 29<br>30                                                                |             |      |             |                             |                         |         |
| -15.0         |        |                                                                                     |                                                                                                                           |                                                                         |             |      |             |                             |                         |         |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                              | Depth<br>Scale | Sample Data |      |             |                              |                         | Remarks |
|---------------|--------|--------------------|-------------------------------------------------|----------------|-------------|------|-------------|------------------------------|-------------------------|---------|
|               |        |                    |                                                 |                | Number      | Type | Recov. (in) | Penetr.<br>Resist.<br>BL/6in | N-Value<br>(Blows/foot) |         |
| -20.0         | S      |                    | Br. f-c sand, some silt, little f-c gravel (SM) | 30             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 31             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 32             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 33             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 34             |             |      |             |                              |                         |         |
|               |        |                    | End Boring at 35.0'                             | 35             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 36             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 37             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 38             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 39             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 40             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 41             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 42             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 43             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 44             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 45             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 46             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 47             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 48             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 49             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 50             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 51             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 52             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 53             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 54             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 55             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 56             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 57             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 58             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 59             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 60             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 61             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 62             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 63             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 64             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 65             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 66             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 67             |             |      |             |                              |                         |         |
|               |        |                    |                                                 | 68             |             |      |             |                              |                         |         |

|                                            |  |                               |  |                         |  |                                |  |
|--------------------------------------------|--|-------------------------------|--|-------------------------|--|--------------------------------|--|
| Project:<br>Ansonia/Derby Housatonic Levee |  | Project Number:<br>04019-0001 |  | Elevation (ft):<br>25.0 |  | Datum:<br>Site Datum           |  |
| Location:<br>Ansonia, Connecticut          |  | Logged By:                    |  | Date Started:           |  | Date Completed:                |  |
| Drilling Contractor:<br>ACE                |  |                               |  | Drilling Foreman:       |  | Completion Depth (ft):<br>50.0 |  |
| Sampler:                                   |  |                               |  | Casing Diameter (in):   |  | Casing Depth (ft):             |  |
| Drilling Equipment:                        |  |                               |  | Sampler Hammer:         |  | Weight (lbs):<br>140           |  |
|                                            |  |                               |  |                         |  | Drop (in):<br>30               |  |
| Drilling Rig:                              |  | Drilling Mud:                 |  | Water Level (ft):<br>▽  |  | First:<br>▽                    |  |
|                                            |  |                               |  |                         |  | Completion:<br>▽               |  |
|                                            |  |                               |  |                         |  | 24 HR:<br>▽                    |  |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                                                                     | Depth<br>Scale | Sample Data |      |             |                              |                         | Remarks                                     |
|---------------|--------|--------------------|--------------------------------------------------------------------------------------------------------|----------------|-------------|------|-------------|------------------------------|-------------------------|---------------------------------------------|
|               |        |                    |                                                                                                        |                | Number      | Type | Recov. (in) | Pensar.<br>Resist.<br>BL/6in | N-Value<br>(Blows/foot) |                                             |
|               |        |                    | Mixture of br. & gray f-c gravel, silt, ash, cinders, coal, shells, brick & pottery frags (FILL)       | 0              |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 1              |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 2              |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 3              |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 4              |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 5              |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 6              |             |      |             |                              |                         |                                             |
|               |        |                    | Br. f-c sand & f-c gravel, tr. silt (FILL)                                                             | 7              |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 8              |             |      |             |                              |                         |                                             |
|               |        |                    | Br. m-f sand, little f-c gravel, tr. silt (FILL)                                                       | 9              |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 10             |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 11             |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 12             |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 13             |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 14             |             |      |             |                              |                         |                                             |
|               |        |                    | Br. f-c sand, and f-c gravel, tr. silt (FILL)                                                          | 15             |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 16             |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 17             |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 18             |             |      |             |                              |                         | 10'-25': mica particles noted               |
|               |        |                    |                                                                                                        | 19             |             |      |             |                              |                         |                                             |
|               |        |                    | Br. f-c sand, some f-c gravel, little silt (FILL)                                                      | 20             |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 21             |             |      |             |                              |                         |                                             |
|               |        |                    | Br. f-c sand, little/some silt, tr./little f-c gravel (FILL)                                           | 22             |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 23             |             |      |             |                              |                         | 21'-25': occassional 1/2" thick silt layers |
|               |        |                    |                                                                                                        | 24             |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 25             |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 26             |             |      |             |                              |                         |                                             |
|               |        |                    | Gray br. & br. f-c sand, some f-c gravel, some silt, frequent cobbles, occ. shells & coal frags (FILL) | 27             |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 28             |             |      |             |                              |                         |                                             |
|               |        |                    |                                                                                                        | 29             |             |      |             |                              |                         |                                             |
| -5.0          |        |                    |                                                                                                        | 30             |             |      |             |                              |                         |                                             |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                 | Sample Description                                              | Depth<br>Scale | Sample Data |      |             |                              |                         | Remarks |
|---------------|--------|------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------|-------------|------|-------------|------------------------------|-------------------------|---------|
|               |        |                                                                                    |                                                                 |                | Number      | Type | Recov. (in) | Penetr.<br>Resist.<br>BL/6in | N-Value<br>(Blows/foot) |         |
|               |        |                                                                                    |                                                                 | 30             |             |      |             |                              | 0 10 20 30 40 50        |         |
|               |        |                                                                                    |                                                                 | 31             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 32             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 33             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 34             |             |      |             |                              |                         |         |
| -10.0         | G      |   | Br. f-c gravel, some f-c sand, tr. silt, frequent cobbles (GW)  | 35             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 36             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 37             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 38             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 39             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 40             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 41             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 42             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 43             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 44             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 45             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 46             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 47             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 48             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 49             |             |      |             |                              |                         |         |
| -25.0         | S      |  | Br. f-c sand, some f-c gravel, some silt, frequent cobbles (SM) | 50             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 51             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 52             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 53             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 54             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 55             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 56             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 57             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 58             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 59             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 60             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 61             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 62             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 63             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 64             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 65             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 66             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 67             |             |      |             |                              |                         |         |
|               |        |                                                                                    |                                                                 | 68             |             |      |             |                              |                         |         |
|               |        |                                                                                    | End Boring at 50.0'                                             |                |             |      |             |                              |                         |         |

|                                           |                               |                        |                                                |
|-------------------------------------------|-------------------------------|------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Naugatuck Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>8.5 | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut         | Logged By:                    | Date Started:          | Date Completed:                                |
| Drilling Contractor:<br>ACE               | Drilling Foreman:             |                        | Completion Depth (ft):<br>28.6                 |
| Sampler:                                  | Casing Diameter (in):         |                        | Casing Depth (ft):                             |
| Drilling Equipment:                       | Sampler Hammer:               | Weight (lbs):<br>140   | Drop (in):<br>30                               |
| Drilling Rig:                             | Drilling Mud:                 | Water Level (ft)<br>▽  | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                                                                                 | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |
|---------------|--------|--------------------|--------------------------------------------------------------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|
|               |        |                    |                                                                                                                    |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |
|               |        |                    | Br. f-c sand, some f-c gravel, some silt mixed with variable amounts of cobbles, ash, cinders & brick frags (FILL) | 0              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 1              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 2              |             |      |             | 20                          |                         |         |
|               |        |                    |                                                                                                                    | 3              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 4              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 5              |             |      |             |                             |                         |         |
|               |        |                    | Br. f-c sand, some f-c gravel, little silt mixed with variable amounts of brick frags (FILL)                       | 6              |             |      |             | 13                          |                         |         |
|               |        |                    |                                                                                                                    | 7              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 8              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 9              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 10             |             |      |             |                             |                         |         |
|               |        |                    | Br. f-c sand, little f-c gravel, tr. silt, occ. organic matter (FILL)                                              | 11             |             |      |             | 14                          |                         |         |
|               |        |                    |                                                                                                                    | 12             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 13             |             |      |             |                             |                         |         |
| -5.8          |        |                    |                                                                                                                    | 14             |             |      |             |                             |                         |         |
|               |        |                    | Gray f sand, and organic silt (SM)                                                                                 | 15             |             |      |             |                             |                         |         |
|               | O      |                    | Br. & blk organic silt (OL)                                                                                        | 16             |             |      |             |                             |                         |         |
| -8.2          |        |                    |                                                                                                                    | 17             |             |      |             | 9                           |                         |         |
|               |        |                    | Br. f-c gravel, and f-c sand, tr. silt, occ. cobbles (GP)                                                          | 18             |             |      |             |                             |                         |         |
|               | G      |                    |                                                                                                                    | 19             |             |      |             |                             |                         |         |
| -12.0         |        |                    |                                                                                                                    | 20             |             |      |             |                             |                         |         |
|               |        |                    | Br. f-c sand, little f-c gravel, tr. silt, frequent cobbles (SP-SM)                                                | 21             |             |      |             | 31                          |                         |         |
|               | S      |                    |                                                                                                                    | 22             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 23             |             |      |             |                             |                         |         |
| -16.0         |        |                    |                                                                                                                    | 24             |             |      |             |                             |                         |         |
|               |        |                    | Gray f-c sand, some silt, little f-c gravel (SM)(TILL)                                                             | 25             |             |      |             | 41                          |                         |         |
|               | GT     |                    |                                                                                                                    | 26             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 27             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 28             |             |      |             |                             |                         |         |
| -20.1         |        |                    | End Boring at 28.6'                                                                                                | 29             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                    | 30             |             |      |             |                             |                         |         |

|                                           |                               |                                |                                                |
|-------------------------------------------|-------------------------------|--------------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Naugatuck Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>8.0         | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut         | Logged By:                    | Date Started:                  | Date Completed:                                |
| Drilling Contractor:<br>ACE               | Drilling Foreman:             | Completion Depth (ft):<br>30.0 |                                                |
| Sampler:                                  | Casing Diameter (in):         | Casing Depth (ft):             |                                                |
| Drilling Equipment:                       | Sampler Hammer:               | Weight (lbs):<br>140           | Drop (in):<br>30                               |
| Drilling Rig:                             | Drilling Mud:                 | Water Level (ft)<br>▽          | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                                                   | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |
|---------------|--------|--------------------|--------------------------------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|
|               |        |                    |                                                                                      |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |
|               |        |                    | Br. m-f snd, some silt, mixed with variable amounts of cinders, ash & organic matter | 0              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                      | 1              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                      | 2              |             |      |             | 11                          |                         |         |
|               |        |                    |                                                                                      | 3              |             |      |             |                             |                         |         |
|               |        |                    | Br. c-f sand, some silt, little f-c gravel, occ. cobbles (FILL)                      | 4              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                      | 5              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                      | 6              |             |      |             | 8                           |                         |         |
|               |        |                    |                                                                                      | 7              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                      | 8              |             |      |             |                             |                         |         |
|               |        |                    | Gray br. silt, some f sand, occ. organic matter (FILL)                               | 9              |             |      |             |                             |                         |         |
| -2.0          |        |                    |                                                                                      | 10             |             |      |             |                             |                         |         |
|               |        |                    | Dk. br. organic silt, some f sand (OL)                                               | 11             |             |      |             | 8                           |                         |         |
|               |        |                    |                                                                                      | 12             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                      | 13             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                      | 14             |             |      |             |                             |                         |         |
|               |        |                    | Br. bec. blk. organic silt (OL)                                                      | 15             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                      | 16             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                      | 17             |             |      |             | 6                           |                         |         |
|               |        |                    |                                                                                      | 18             |             |      |             |                             |                         |         |
| -11.5         |        |                    |                                                                                      | 19             |             |      |             |                             |                         |         |
| -12.5         | COB    |                    | Cobbles                                                                              | 20             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                      | 21             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                      | 22             |             |      |             | 34                          |                         |         |
|               |        |                    |                                                                                      | 23             |             |      |             |                             |                         |         |
|               |        |                    | Br. f-c sand, some f-c gravel, tr. silt, frequent cobbles (SP-SM)                    | 24             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                      | 25             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                      | 26             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                      | 27             |             |      |             | 32                          |                         |         |
|               |        |                    |                                                                                      | 28             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                      | 29             |             |      |             |                             |                         |         |
| -22.0         |        |                    |                                                                                      | 30             |             |      |             |                             |                         |         |

End Boring at 30.0'

|                               |  |                 |  |                       |  |                        |  |
|-------------------------------|--|-----------------|--|-----------------------|--|------------------------|--|
| Project:                      |  | Project Number: |  | Elevation (ft):       |  | Datum:                 |  |
| Ansonia/Derby Naugatuck Levee |  | 04019-0001      |  | 15.0                  |  | Site Datum             |  |
| Location:                     |  | Logged By:      |  | Date Started:         |  | Date Completed:        |  |
| Ansonia, Connecticut          |  |                 |  |                       |  |                        |  |
| Drilling Contractor:          |  |                 |  | Drilling Foreman:     |  | Completion Depth (ft): |  |
| ACE                           |  |                 |  |                       |  | 25.0                   |  |
| Sampler:                      |  |                 |  | Casing Diameter (in): |  | Casing Depth (ft):     |  |
|                               |  |                 |  |                       |  |                        |  |
| Drilling Equipment:           |  |                 |  | Sampler Hammer:       |  | Weight (lbs):          |  |
|                               |  |                 |  |                       |  | 140                    |  |
| Drilling Rig:                 |  |                 |  | Drilling Mud:         |  | Drop (in):             |  |
|                               |  |                 |  |                       |  | 30                     |  |
|                               |  |                 |  | Water Level (ft)      |  | First:                 |  |
|                               |  |                 |  | ▼                     |  | ▼                      |  |
|                               |  |                 |  |                       |  | Completion:            |  |
|                               |  |                 |  |                       |  | 24 HR:                 |  |
|                               |  |                 |  | ▼                     |  | ▼                      |  |

| Elev. (ft) | Strata | Material Symbol | Sample Description | Depth Scale | Sample Data |      |             |                       |                      | Remarks |
|------------|--------|-----------------|--------------------|-------------|-------------|------|-------------|-----------------------|----------------------|---------|
|            |        |                 |                    |             | Number      | Type | Recov. (in) | Penetr. Resist BL/6in | N-Value (Blows/foot) |         |
|            |        |                 |                    | 0           |             |      |             |                       | 0 10 20 30 40 50     |         |
|            |        |                 |                    | 1           |             |      |             |                       |                      |         |
|            |        |                 |                    | 2           |             |      |             |                       |                      |         |
|            |        |                 |                    | 3           |             |      |             |                       |                      |         |
|            |        |                 |                    | 4           |             |      |             |                       |                      |         |
|            |        |                 |                    | 5           |             |      |             |                       |                      |         |
|            |        |                 |                    | 6           |             |      |             |                       |                      |         |
|            |        |                 |                    | 7           |             |      |             |                       |                      |         |
|            |        |                 |                    | 8           |             |      |             |                       |                      |         |
|            |        |                 |                    | 9           |             |      |             |                       |                      |         |
| 5.0        |        |                 |                    | 10          |             |      |             |                       |                      |         |
|            |        |                 |                    | 11          |             |      |             |                       |                      |         |
|            |        |                 |                    | 12          |             |      |             |                       |                      |         |
|            |        |                 |                    | 13          |             |      |             |                       |                      |         |
|            |        |                 |                    | 14          |             |      |             |                       |                      |         |
|            |        |                 |                    | 15          |             |      |             |                       |                      |         |
|            |        |                 |                    | 16          |             |      |             |                       |                      |         |
|            |        |                 |                    | 17          |             |      |             |                       |                      |         |
|            |        |                 |                    | 18          |             |      |             |                       |                      |         |
|            |        |                 |                    | 19          |             |      |             |                       |                      |         |
| -5.0       |        |                 |                    | 20          |             |      |             |                       |                      |         |
|            |        |                 |                    | 21          |             |      |             |                       |                      |         |
|            |        |                 |                    | 22          |             |      |             |                       |                      |         |
|            |        |                 |                    | 23          |             |      |             |                       |                      |         |
| -9.0       |        |                 |                    | 24          |             |      |             |                       |                      |         |
| -10.0      |        |                 |                    | 25          |             |      |             |                       |                      |         |
|            |        |                 |                    | 26          |             |      |             |                       |                      |         |
|            |        |                 |                    | 27          |             |      |             |                       |                      |         |
|            |        |                 |                    | 28          |             |      |             |                       |                      |         |
|            |        |                 |                    | 29          |             |      |             |                       |                      |         |
|            |        |                 |                    | 30          |             |      |             |                       |                      |         |

Br. f-c sand, tr. f-c gravel, tr. silt (FILL)

Gray f-c sand & f-c gravel, tr. silt (FILL)

Dk. gray f-c sand, some f-c gravel, tr. silt, occ. thin black silt lenses (FILL)

Br. gray f-c gravel & f-c sand, tr. silt (GP-GM)/(SP-SM)

Br. f-c gravel, tr. f-c sand, tr. silt (GP)

Br. m-f sand, tr. silt (SP)

End Boring at 25.0'

\*\*soil description frm Plate 4-7, blow counts not illustrated

|                                           |                               |                                |                                                |
|-------------------------------------------|-------------------------------|--------------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Naugatuck Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>18.0        | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut         | Logged By:                    | Date Started:                  | Date Completed:                                |
| Drilling Contractor:<br>ACE               | Drilling Foreman:             | Completion Depth (ft):<br>30.0 |                                                |
| Sampler:                                  | Casing Diameter (in):         | Casing Depth (ft):             |                                                |
| Drilling Equipment:                       | Sampler Hammer:               | Weight (lbs):<br>140           | Drop (in):<br>30                               |
| Drilling Rig:                             | Drilling Mud:                 | Water Level (ft)<br>▽          | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                                             | Depth<br>Scale | Sample Data |      |             |                              |                         | Remarks                         |
|---------------|--------|--------------------|--------------------------------------------------------------------------------|----------------|-------------|------|-------------|------------------------------|-------------------------|---------------------------------|
|               |        |                    |                                                                                |                | Number      | Type | Recov. (in) | Penetr.<br>Resist.<br>BL/6in | N-Value<br>(Blows/foot) |                                 |
|               |        |                    | Br. m-f sand, tr. silt (SP-SM)                                                 | 0              |             |      |             |                              |                         |                                 |
|               |        |                    | Dk. br. m-f sand, some silt; grading to little silt (SM)                       | 1              |             |      |             |                              |                         |                                 |
|               |        |                    | Br. m-f sand, tr. silt (SP)                                                    | 2              |             |      |             | 4                            |                         |                                 |
|               | S      |                    |                                                                                | 3              |             |      |             |                              |                         | organic matter noted ±0' to ±5' |
|               |        |                    | Br. f-c sand, some f-c gravel, tr. silt, frequent cobbles (GP-GM)              | 4              |             |      |             |                              |                         |                                 |
|               |        |                    |                                                                                | 5              |             |      |             |                              |                         |                                 |
|               |        |                    |                                                                                | 6              |             |      |             |                              |                         |                                 |
|               |        |                    |                                                                                | 7              |             |      |             | 21                           |                         |                                 |
|               |        |                    |                                                                                | 8              |             |      |             |                              |                         |                                 |
|               |        |                    |                                                                                | 9              |             |      |             |                              |                         |                                 |
| 8.0           |        |                    |                                                                                | 10             |             |      |             |                              |                         |                                 |
|               | G      |                    | Br. becoming gray f-c gravel, and f-c sand, tr. silt, frequent cobbles (GP-GM) | 11             |             |      |             |                              |                         |                                 |
|               |        |                    |                                                                                | 12             |             |      |             | 38                           |                         |                                 |
|               |        |                    |                                                                                | 13             |             |      |             |                              |                         |                                 |
| 4.0           |        |                    |                                                                                | 14             |             |      |             |                              |                         |                                 |
|               |        |                    | Gray silt, little f sand (ML)                                                  | 15             |             |      |             |                              |                         |                                 |
|               |        |                    |                                                                                | 16             |             |      |             |                              |                         |                                 |
|               |        |                    |                                                                                | 17             |             |      |             | 15                           |                         |                                 |
|               |        |                    |                                                                                | 18             |             |      |             |                              |                         |                                 |
|               |        |                    |                                                                                | 19             |             |      |             |                              |                         |                                 |
|               | M      |                    |                                                                                | 20             |             |      |             |                              |                         |                                 |
|               |        |                    | Gray silt, and f sand (ML)                                                     | 21             |             |      |             |                              |                         |                                 |
|               |        |                    |                                                                                | 22             |             |      |             | 19                           |                         |                                 |
|               |        |                    |                                                                                | 23             |             |      |             |                              |                         |                                 |
|               |        |                    |                                                                                | 24             |             |      |             |                              |                         |                                 |
|               |        |                    |                                                                                | 25             |             |      |             |                              |                         |                                 |
|               |        |                    |                                                                                | 26             |             |      |             |                              |                         |                                 |
|               |        |                    |                                                                                | 27             |             |      |             | 15                           |                         |                                 |
|               |        |                    |                                                                                | 28             |             |      |             |                              |                         |                                 |
|               |        |                    |                                                                                | 29             |             |      |             |                              |                         |                                 |
| -12.0         |        |                    |                                                                                | 30             |             |      |             |                              |                         |                                 |

End Boring at 30.0'

|                                           |                               |                         |                                                |
|-------------------------------------------|-------------------------------|-------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Naugatuck Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>15.0 | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut         | Logged By:                    | Date Started:           | Date Completed:                                |
| Drilling Contractor:<br>ACE               | Drilling Foreman:             |                         | Completion Depth (ft):<br>30.0                 |
| Sampler:                                  | Casing Diameter (in):         |                         | Casing Depth (ft):                             |
| Drilling Equipment:                       | Sampler Hammer:               | Weight (lbs):<br>140    | Drop (in):<br>30                               |
| Drilling Rig:                             | Drilling Mud:                 | Water Level (ft)<br>▽   | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                  | Sample Description                                           | Depth<br>Scale | Sample Data |      |             |                              |                         | Remarks |
|---------------|--------|-------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|-------------|------|-------------|------------------------------|-------------------------|---------|
|               |        |                                                                                     |                                                              |                | Number      | Type | Recov. (in) | Penetr.<br>Resist.<br>BL/6in | N-Value<br>(Blows/foot) |         |
| 10.0          | S      |    | Br. m-f sand, some silt (SM)                                 | 0              |             |      |             |                              |                         |         |
|               |        |                                                                                     | Br. f sand, tr. silt (SP)                                    | 2              |             |      |             | 4                            |                         |         |
|               |        |                                                                                     | Br. f sand, some silt (SM)                                   | 4              |             |      |             |                              |                         |         |
| 3.0           | G      |    | Br. f-c gravel, and f-c sand, tr. silt frequent cobbles (GP) | 6              |             |      |             | 22                           |                         |         |
|               |        |                                                                                     |                                                              | 8              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                              | 10             |             |      |             |                              |                         |         |
| 0.5           | S/G    |  | Br. f-c sand, and f-c gravel, tr. silt (SP-SM)               | 12             |             |      |             | 51                           |                         |         |
|               |        |                                                                                     |                                                              | 14             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                              | 16             |             |      |             |                              |                         |         |
| -5.0          | G      |  | Br. f-c gravel, some f-c sand, tr. silt (GP)                 | 17             |             |      |             | 33                           |                         |         |
|               |        |                                                                                     |                                                              | 19             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                              | 21             |             |      |             |                              |                         |         |
| -15.0         | M      |  | Gray silt, some f sand (ML)                                  | 24             |             |      |             | 10                           |                         |         |
|               |        |                                                                                     |                                                              | 26             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                              | 28             |             |      |             |                              |                         |         |

End Boring at 30.0'

|                                           |                               |                                |                                                |
|-------------------------------------------|-------------------------------|--------------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Naugatuck Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>14.0        | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut         | Logged By:                    | Date Started:                  | Date Completed:                                |
| Drilling Contractor:<br>ACE               | Drilling Foreman:             | Completion Depth (ft):<br>30.0 |                                                |
| Sampler:                                  | Casing Diameter (in):         | Casing Depth (ft):             |                                                |
| Drilling Equipment:                       | Sampler Hammer:               | Weight (lbs):<br>140           | Drop (in):<br>30                               |
| Drilling Rig:                             | Drilling Mud:                 | Water Level (ft)<br>▽          | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                                | Depth<br>Scale | Sample Data |      |             |                              |                         | Remarks |
|---------------|--------|--------------------|-------------------------------------------------------------------|----------------|-------------|------|-------------|------------------------------|-------------------------|---------|
|               |        |                    |                                                                   |                | Number      | Type | Recov. (in) | Penetr.<br>Resist.<br>BL/6in | N-Value<br>(Blows/foot) |         |
| 9.0           | S      |                    | Br. m-f sand, some silt, little f-c gravel (SM)                   | 0              |             |      |             |                              |                         |         |
|               |        |                    | Br. m-f sand, tr. silt (SP)                                       | 2              |             |      |             | 13                           |                         |         |
|               |        |                    | Br. m-f sand, little silt (SM)                                    | 4              |             |      |             |                              |                         |         |
| -1.0          | G      |                    | Br. f-c gravel, some f-c sand, tr. silt, frequent cobbles (GP-GM) | 5              |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 6              |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 7              |             |      |             | 27                           |                         |         |
|               |        |                    |                                                                   | 8              |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 9              |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 10             |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 11             |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 12             |             |      |             | 35                           |                         |         |
|               |        |                    |                                                                   | 13             |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 14             |             |      |             |                              |                         |         |
| -16.0         | M      |                    | Gray silt, some f sand (ML) grading to Gray silt, and f sand (ML) | 15             |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 16             |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 17             |             |      |             | 13                           |                         |         |
|               |        |                    |                                                                   | 18             |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 19             |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 20             |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 21             |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 22             |             |      |             | 23                           |                         |         |
|               |        |                    |                                                                   | 23             |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 24             |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 25             |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 26             |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 27             |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 28             |             |      |             | 12                           |                         |         |
|               |        |                    |                                                                   | 29             |             |      |             |                              |                         |         |
|               |        |                    |                                                                   | 30             |             |      |             |                              |                         |         |

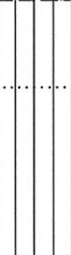
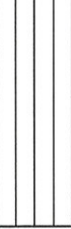
End Boring at 30.0'

|                                           |  |                               |  |                         |  |                                |  |
|-------------------------------------------|--|-------------------------------|--|-------------------------|--|--------------------------------|--|
| Project:<br>Ansonia/Derby Naugatuck Levee |  | Project Number:<br>04019-0001 |  | Elevation (ft):<br>16.0 |  | Datum:<br>Site Datum           |  |
| Location:<br>Ansonia, Connecticut         |  | Logged By:                    |  | Date Started:           |  | Date Completed:                |  |
| Drilling Contractor:<br>ACE               |  |                               |  | Drilling Foreman:       |  | Completion Depth (ft):<br>35.0 |  |
| Sampler:                                  |  |                               |  | Casing Diameter (in):   |  | Casing Depth (ft):             |  |
| Drilling Equipment:                       |  |                               |  | Sampler Hammer:         |  | Weight (lbs):<br>140           |  |
|                                           |  |                               |  |                         |  | Drop (in):<br>30               |  |
| Drilling Rig:                             |  | Drilling Mud:                 |  | Water Level (ft)        |  | First:<br>Completion:          |  |
|                                           |  |                               |  | ▼                       |  | ▼                              |  |
|                                           |  |                               |  | 24 HR:<br>▼             |  |                                |  |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                                | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |
|---------------|--------|--------------------|-------------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|
|               |        |                    |                                                                   |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |
| 10.2          | S      |                    | Br. m-f sand, little silt (SM)                                    | 0              |             |      |             |                             |                         |         |
|               |        |                    |                                                                   | 1              |             |      |             |                             |                         |         |
|               |        |                    |                                                                   | 2              |             |      |             | 9                           |                         |         |
|               |        |                    | Br. m-f sand, tr. silt (SP-SM)                                    | 3              |             |      |             |                             |                         |         |
|               |        |                    |                                                                   | 4              |             |      |             |                             |                         |         |
| 1.7           | G      |                    | Br. f-c gravel, and f-c sand, tr. silt, frequent cobbles (GP)     | 5              |             |      |             |                             |                         |         |
|               |        |                    |                                                                   | 6              |             |      |             |                             |                         |         |
|               |        |                    |                                                                   | 7              |             |      |             | 38                          |                         |         |
|               |        |                    |                                                                   | 8              |             |      |             |                             |                         |         |
|               |        |                    |                                                                   | 9              |             |      |             |                             |                         |         |
|               |        |                    | Br. f-c gravel, some f-c sand, tr. silt, frequent cobbles (GP-GM) | 10             |             |      |             |                             |                         |         |
|               |        |                    |                                                                   | 11             |             |      |             |                             |                         |         |
|               |        |                    |                                                                   | 12             |             |      |             | 49                          |                         |         |
|               |        |                    |                                                                   | 13             |             |      |             |                             |                         |         |
|               |        |                    |                                                                   | 14             |             |      |             |                             |                         |         |
|               | S      |                    |                                                                   | 15             |             |      |             |                             |                         |         |
|               |        |                    |                                                                   | 16             |             |      |             |                             |                         |         |
|               |        |                    |                                                                   | 17             |             |      |             | 20                          |                         |         |
|               |        |                    |                                                                   | 18             |             |      |             |                             |                         |         |
|               |        |                    |                                                                   | 19             |             |      |             |                             |                         |         |
|               |        |                    | Br. f-c sand, some f-c gravel, tr. silt, frequent cobbles (SP)    | 20             |             |      |             |                             |                         |         |
|               |        |                    |                                                                   | 21             |             |      |             |                             |                         |         |
|               |        |                    |                                                                   | 22             |             |      |             | 18                          |                         |         |
|               |        |                    |                                                                   | 23             |             |      |             |                             |                         |         |
|               |        |                    |                                                                   | 24             |             |      |             |                             |                         |         |
| -13.0         | M      |                    |                                                                   | 25             |             |      |             |                             |                         |         |
|               |        |                    |                                                                   | 26             |             |      |             |                             |                         |         |
|               |        |                    |                                                                   | 27             |             |      |             | 25                          |                         |         |
|               |        |                    |                                                                   | 28             |             |      |             |                             |                         |         |
|               |        |                    |                                                                   | 29             |             |      |             |                             |                         |         |
|               |        |                    | Gray silt, some f sand (ML)                                       | 30             |             |      |             |                             |                         |         |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description          | Depth<br>Scale | Sample Data |      |             |                              |                         | Remarks |
|---------------|--------|--------------------|-----------------------------|----------------|-------------|------|-------------|------------------------------|-------------------------|---------|
|               |        |                    |                             |                | Number      | Type | Recov. (in) | Penetr.<br>Resist.<br>BL/6in | N-Value<br>(Blows/foot) |         |
| -19.0         | M      |                    | Gray silt, some f sand (ML) | 30             |             |      |             |                              |                         |         |
|               |        |                    |                             | 31             |             |      |             |                              |                         |         |
|               |        |                    |                             | 32             |             |      |             | 23                           |                         |         |
|               |        |                    |                             | 33             |             |      |             |                              |                         |         |
|               |        |                    |                             | 34             |             |      |             |                              |                         |         |
|               |        |                    | End Boring at 35.0'         | 35             |             |      |             |                              |                         |         |
|               |        |                    |                             | 36             |             |      |             |                              |                         |         |
|               |        |                    |                             | 37             |             |      |             |                              |                         |         |
|               |        |                    |                             | 38             |             |      |             |                              |                         |         |
|               |        |                    |                             | 39             |             |      |             |                              |                         |         |
|               |        |                    |                             | 40             |             |      |             |                              |                         |         |
|               |        |                    |                             | 41             |             |      |             |                              |                         |         |
|               |        |                    |                             | 42             |             |      |             |                              |                         |         |
|               |        |                    |                             | 43             |             |      |             |                              |                         |         |
|               |        |                    |                             | 44             |             |      |             |                              |                         |         |
|               |        |                    |                             | 45             |             |      |             |                              |                         |         |
|               |        |                    |                             | 46             |             |      |             |                              |                         |         |
|               |        |                    |                             | 47             |             |      |             |                              |                         |         |
|               |        |                    |                             | 48             |             |      |             |                              |                         |         |
|               |        |                    |                             | 49             |             |      |             |                              |                         |         |
|               |        |                    |                             | 50             |             |      |             |                              |                         |         |
|               |        |                    |                             | 51             |             |      |             |                              |                         |         |
|               |        |                    |                             | 52             |             |      |             |                              |                         |         |
|               |        |                    |                             | 53             |             |      |             |                              |                         |         |
|               |        |                    |                             | 54             |             |      |             |                              |                         |         |
|               |        |                    |                             | 55             |             |      |             |                              |                         |         |
|               |        |                    |                             | 56             |             |      |             |                              |                         |         |
|               |        |                    |                             | 57             |             |      |             |                              |                         |         |
|               |        |                    |                             | 58             |             |      |             |                              |                         |         |
|               |        |                    |                             | 59             |             |      |             |                              |                         |         |
|               |        |                    |                             | 60             |             |      |             |                              |                         |         |
|               |        |                    |                             | 61             |             |      |             |                              |                         |         |
|               |        |                    |                             | 62             |             |      |             |                              |                         |         |
|               |        |                    |                             | 63             |             |      |             |                              |                         |         |
|               |        |                    |                             | 64             |             |      |             |                              |                         |         |
|               |        |                    |                             | 65             |             |      |             |                              |                         |         |
|               |        |                    |                             | 66             |             |      |             |                              |                         |         |
|               |        |                    |                             | 67             |             |      |             |                              |                         |         |
|               |        |                    |                             | 68             |             |      |             |                              |                         |         |

|                                           |                               |                         |                                                |
|-------------------------------------------|-------------------------------|-------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Naugatuck Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>16.0 | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut         | Logged By:                    | Date Started:           | Date Completed:                                |
| Drilling Contractor:<br>ACE               | Drilling Foreman:             |                         | Completion Depth (ft):<br>30.0                 |
| Sampler:                                  | Casing Diameter (in):         |                         | Casing Depth (ft):                             |
| Drilling Equipment:                       | Sampler Hammer:               | Weight (lbs):<br>140    | Drop (in):<br>30                               |
| Drilling Rig:                             | Drilling Mud:                 | Water Level (ft)<br>▽   | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                  | Sample Description                                            | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |
|---------------|--------|-------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|
|               |        |                                                                                     |                                                               |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |
| 7.0           | S      |    | Br. m-f sand, tr. silt (SP)                                   | 0              |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 1              |             |      |             |                             |                         |         |
| -3.0          | G      |   | Br. f-c gravel, some f-c sand, tr. silt, num. cobbles (GP-GM) | 2              |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 3              |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 4              |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 5              |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 6              |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 7              |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 8              |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 9              |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 10             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 11             |             |      |             |                             |                         |         |
| -14.0         | M      |  | Br. f-c gravel, some f-c sand, tr. silt, num. cobbles (GP)    | 12             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 13             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 14             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 15             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 16             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 17             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 18             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 19             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 20             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 21             |             |      |             |                             |                         |         |
|               |        |  | Br. silt, little f sand (ML)                                  | 22             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 23             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 24             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 25             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 26             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 27             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 28             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 29             |             |      |             |                             |                         |         |
|               |        |                                                                                     |                                                               | 30             |             |      |             |                             |                         |         |

End Boring at 30.0'

|                                           |  |                               |  |                         |  |                                |                  |
|-------------------------------------------|--|-------------------------------|--|-------------------------|--|--------------------------------|------------------|
| Project:<br>Ansonia/Derby Naugatuck Levee |  | Project Number:<br>04019-0001 |  | Elevation (ft):<br>18.0 |  | Datum:<br>Site Datum           |                  |
| Location:<br>Ansonia, Connecticut         |  | Logged By:                    |  | Date Started:           |  | Date Completed:                |                  |
| Drilling Contractor:<br>ACE               |  |                               |  | Drilling Foreman:       |  | Completion Depth (ft):<br>30.0 |                  |
| Sampler:                                  |  |                               |  | Casing Diameter (in):   |  | Casing Depth (ft):             |                  |
| Drilling Equipment:                       |  |                               |  | Sampler Hammer:         |  | Weight (lbs):<br>140           |                  |
|                                           |  |                               |  |                         |  | Drop (in):<br>30               |                  |
| Drilling Rig:                             |  | Drilling Mud:                 |  | Water Level (ft)        |  | First:<br>▼                    | Completion:<br>▼ |
|                                           |  |                               |  |                         |  | 24 HR:<br>▼                    |                  |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                  | Sample Description                                         | Depth<br>Scale | Sample Data |      |             |                              |                         | Remarks |
|---------------|--------|-------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|-------------|------|-------------|------------------------------|-------------------------|---------|
|               |        |                                                                                     |                                                            |                | Number      | Type | Recov. (in) | Penetr.<br>Resist.<br>BL/6in | N-Value<br>(Blows/foot) |         |
| 14.5          | S      |    | Br. m-f sand, tr. silt (SP-SM)                             | 0              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 1              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 2              |             |      |             | 4                            |                         |         |
|               |        |                                                                                     |                                                            | 3              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 4              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 5              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 6              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 7              |             |      |             | 23                           |                         |         |
|               |        |                                                                                     |                                                            | 8              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 9              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 10             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 11             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 12             |             |      |             | 76                           |                         |         |
|               |        |                                                                                     |                                                            | 13             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 14             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 15             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 16             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 17             |             |      |             | 13                           |                         |         |
|               |        |                                                                                     |                                                            | 18             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 19             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 20             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 21             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 22             |             |      |             | 41                           |                         |         |
|               |        |                                                                                     |                                                            | 23             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 24             |             |      |             |                              |                         |         |
| -7.0          |        |                                                                                     |                                                            | 25             |             |      |             |                              |                         |         |
|               | S      |  | Br. f-c sand, some f-c gravel, tr. silt, num. cobbles (SP) | 26             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 27             |             |      |             | 26                           |                         |         |
| -9.5          |        |                                                                                     |                                                            | 28             |             |      |             |                              |                         |         |
|               | M/S    |  | Layered gray silt, and f sand (ML) & f sand, and silt (SM) | 29             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                            | 30             |             |      |             |                              |                         |         |

End Boring at 30.0'

|                                           |                               |                                |                                                |
|-------------------------------------------|-------------------------------|--------------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Naugatuck Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>23.0        | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut         | Logged By:                    | Date Started:                  | Date Completed:                                |
| Drilling Contractor:<br>ACE               | Drilling Foreman:             | Completion Depth (ft):<br>30.0 |                                                |
| Sampler:                                  | Casing Diameter (in):         | Casing Depth (ft):             |                                                |
| Drilling Equipment:                       | Sampler Hammer:               | Weight (lbs):<br>140           | Drop (in):<br>30                               |
| Drilling Rig:                             | Drilling Mud:                 | Water Level (ft)<br>▽          | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                  | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |
|---------------|--------|--------------------|-----------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|
|               |        |                    |                                                     |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |
| 21.0          | F      |                    | Br. m-f sand, little f-c gravel, little silt (FILL) | 0              |             |      |             |                             |                         |         |
|               |        |                    | Br. m-f sand, little silt with ash (FILL)           | 1              |             |      |             |                             |                         |         |
| 18.0          | S      |                    | Br. m-f sand, tr. silt (SM)                         | 2              |             |      |             | 19                          |                         |         |
|               |        |                    | Br. f sand, little silt (SM)                        | 3              |             |      |             |                             |                         |         |
|               |        |                    | Br. m-f sand, some silt, little f-c gravel (SM)     | 4              |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 5              |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 6              |             |      |             |                             |                         |         |
| 5.0           | G      |                    | Br. f-c gravel, and f-c sand, tr. silt (GP)         | 7              |             |      |             | 29                          |                         |         |
|               |        |                    |                                                     | 8              |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 9              |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 10             |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 11             |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 12             |             |      |             | 52                          |                         |         |
|               |        |                    |                                                     | 13             |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 14             |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 15             |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 16             |             |      |             |                             |                         |         |
| -7.0          | M      |                    | Br. becoming gray silt, and f sand (ML)             | 17             |             |      |             | 31                          |                         |         |
|               |        |                    |                                                     | 18             |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 19             |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 20             |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 21             |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 22             |             |      |             | 17                          |                         |         |
|               |        |                    |                                                     | 23             |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 24             |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 25             |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 26             |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 27             |             |      |             | 14                          |                         |         |
|               |        |                    |                                                     | 28             |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 29             |             |      |             |                             |                         |         |
|               |        |                    |                                                     | 30             |             |      |             |                             |                         |         |

End Boring at 30.0'

|                                           |  |                               |  |                         |             |                                |                  |
|-------------------------------------------|--|-------------------------------|--|-------------------------|-------------|--------------------------------|------------------|
| Project:<br>Ansonia/Derby Naugatuck Levee |  | Project Number:<br>04019-0001 |  | Elevation (ft):<br>11.0 |             | Datum:<br>Site Datum           |                  |
| Location:<br>Ansonia, Connecticut         |  | Logged By:                    |  | Date Started:           |             | Date Completed:                |                  |
| Drilling Contractor:<br>ACE               |  |                               |  | Drilling Foreman:       |             | Completion Depth (ft):<br>30.0 |                  |
| Sampler:                                  |  |                               |  | Casing Diameter (in):   |             | Casing Depth (ft):             |                  |
| Drilling Equipment:                       |  |                               |  | Sampler Hammer:         |             | Weight (lbs):<br>140           | Drop (in):<br>30 |
| Drilling Rig:                             |  | Drilling Mud:                 |  | Water Level (ft)        | First:<br>▽ | Completion:<br>▽               | 24 HR:<br>▽      |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                  | Sample Description                                   | Depth<br>Scale | Sample Data |      |             |                              |                         | Remarks |
|---------------|--------|-------------------------------------------------------------------------------------|------------------------------------------------------|----------------|-------------|------|-------------|------------------------------|-------------------------|---------|
|               |        |                                                                                     |                                                      |                | Number      | Type | Recov. (in) | Penetr.<br>Resist.<br>BL/6in | N-Value<br>(Blows/foot) |         |
| 9.5           | TS     |    | Topsoil                                              | 0              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 1              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 2              |             |      |             | 41                           |                         |         |
|               |        |                                                                                     |                                                      | 3              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 4              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 5              |             |      |             |                              |                         |         |
|               | G      |   | Br. f-c gravel, some f-c sand, numerous cobbles (GM) | 6              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 7              |             |      |             | 89                           |                         |         |
|               |        |                                                                                     |                                                      | 8              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 9              |             |      |             |                              |                         |         |
| 1.0           |        |                                                                                     |                                                      | 10             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 11             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 12             |             |      |             | 17                           |                         |         |
|               |        |                                                                                     |                                                      | 13             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 14             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 15             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 16             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 17             |             |      |             | 16                           |                         |         |
|               |        |                                                                                     |                                                      | 18             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 19             |             |      |             |                              |                         |         |
|               | M      |  | Gray silt, little f sand (ML)                        | 20             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 21             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 22             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 23             |             |      |             | 13                           |                         |         |
|               |        |                                                                                     |                                                      | 24             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 25             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 26             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 27             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                      | 28             |             |      |             | 15                           |                         |         |
|               |        |                                                                                     |                                                      | 29             |             |      |             |                              |                         |         |
| -19.0         |        |                                                                                     |                                                      | 30             |             |      |             |                              |                         |         |

End Boring at 30.0'

[illegible]

|                                           |                               |                         |                                                |
|-------------------------------------------|-------------------------------|-------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Naugatuck Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>10.0 | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut         | Logged By:                    | Date Started:           | Date Completed:                                |
| Drilling Contractor:<br>ACE               | Drilling Foreman:             |                         | Completion Depth (ft):<br>30.0                 |
| Sampler:                                  | Casing Diameter (in):         | Casing Depth (ft):      |                                                |
| Drilling Equipment:                       | Sampler Hammer:               | Weight (lbs):<br>140    | Drop (in):<br>30                               |
| Drilling Rig:                             | Drilling Mud:                 | Water Level (ft)<br>▽   | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                  | Sample Description                                            | Depth<br>Scale | Sample Data |      |             |                              |                         | Remarks |
|---------------|--------|-------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|-------------|------|-------------|------------------------------|-------------------------|---------|
|               |        |                                                                                     |                                                               |                | Number      | Type | Recov. (in) | Penetr.<br>Resist.<br>BL/6in | N-Value<br>(Blows/foot) |         |
| 0.0           | G      |   | Gray f-c gravel, and f-c sand, tr. silt, num. cobbles (GP-GM) | 0              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 1              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 2              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 3              |             |      |             | 169                          |                         |         |
|               |        |                                                                                     |                                                               | 4              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 5              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 6              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 7              |             |      |             | 70                           |                         |         |
|               |        |                                                                                     |                                                               | 8              |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 9              |             |      |             |                              |                         |         |
| -20.0         | M      |  | Gray silt, some fine sand (ML)                                | 10             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 11             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 12             |             |      |             | 16                           |                         |         |
|               |        |                                                                                     |                                                               | 13             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 14             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 15             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 16             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 17             |             |      |             | 12                           |                         |         |
|               |        |                                                                                     |                                                               | 18             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 19             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 20             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 21             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 22             |             |      |             | 16                           |                         |         |
|               |        |                                                                                     |                                                               | 23             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 24             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 25             |             |      |             |                              |                         |         |
|               |        |                                                                                     | Gray silt (ML)                                                | 26             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 27             |             |      |             | 12                           |                         |         |
|               |        |                                                                                     |                                                               | 28             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 29             |             |      |             |                              |                         |         |
|               |        |                                                                                     |                                                               | 30             |             |      |             |                              |                         |         |

End Boring at 30.0'

|                                           |  |                               |  |                        |  |                                |  |
|-------------------------------------------|--|-------------------------------|--|------------------------|--|--------------------------------|--|
| Project:<br>Ansonia/Derby Naugatuck Levee |  | Project Number:<br>04019-0001 |  | Elevation (ft):<br>8.0 |  | Datum:<br>Site Datum           |  |
| Location:<br>Ansonia, Connecticut         |  | Logged By:                    |  | Date Started:          |  | Date Completed:                |  |
| Drilling Contractor:<br>ACE               |  |                               |  | Drilling Foreman:      |  | Completion Depth (ft):<br>30.0 |  |
| Sampler:                                  |  |                               |  | Casing Diameter (in):  |  | Casing Depth (ft):             |  |
| Drilling Equipment:                       |  |                               |  | Sampler Hammer:        |  | Weight (lbs):<br>140           |  |
|                                           |  |                               |  |                        |  | Drop (in):<br>30               |  |
| Drilling Rig:                             |  | Drilling Mud:                 |  | Water Level (ft)<br>▽  |  | First:<br>▽                    |  |
|                                           |  |                               |  |                        |  | Completion:<br>▽               |  |
|                                           |  |                               |  |                        |  | 24 HR:<br>▽                    |  |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                | Sample Description                            | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks                                |
|---------------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|----------------------------------------|
|               |        |                                                                                   |                                               |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |                                        |
| 2.5           | S/G    |  | Br. f-c sand & f-c gravel, tr. silt (SP)/(GP) | 0              |             |      |             |                             |                         | 1/4" thick layers noted ±6'<br>to ±30' |
|               |        |                                                                                   |                                               | 1              |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 2              |             |      |             | 44                          |                         |                                        |
|               |        |                                                                                   |                                               | 3              |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 4              |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 5              |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 6              |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 7              |             |      |             | 9                           |                         |                                        |
|               |        |                                                                                   |                                               | 8              |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 9              |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 10             |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 11             |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 12             |             |      |             | 13                          |                         |                                        |
|               |        |                                                                                   |                                               | 13             |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 14             |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 15             |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 16             |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 17             |             |      |             | 12                          |                         |                                        |
|               |        |                                                                                   |                                               | 18             |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 19             |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 20             |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 21             |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 22             |             |      |             | 8                           |                         |                                        |
|               |        |                                                                                   |                                               | 23             |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 24             |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 25             |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 26             |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 27             |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 28             |             |      |             | 13                          |                         |                                        |
|               |        |                                                                                   |                                               | 29             |             |      |             |                             |                         |                                        |
|               |        |                                                                                   |                                               | 30             |             |      |             |                             |                         |                                        |
| -22.0         | M      |                                                                                   | Gray silt, and f sand (ML)                    |                |             |      |             |                             |                         |                                        |

End Boring at 30.0'

|                                           |  |                               |  |                         |  |                                |  |
|-------------------------------------------|--|-------------------------------|--|-------------------------|--|--------------------------------|--|
| Project:<br>Ansonia/Derby Naugatuck Levee |  | Project Number:<br>04019-0001 |  | Elevation (ft):<br>22.5 |  | Datum:<br>Site Datum           |  |
| Location:<br>Ansonia, Connecticut         |  | Logged By:                    |  | Date Started:           |  | Date Completed:                |  |
| Drilling Contractor:<br>ACE               |  |                               |  | Drilling Foreman:       |  | Completion Depth (ft):<br>30.0 |  |
| Sampler:                                  |  |                               |  | Casing Diameter (in):   |  | Casing Depth (ft):             |  |
| Drilling Equipment:                       |  |                               |  | Sampler Hammer:         |  | Weight (lbs):<br>140           |  |
|                                           |  |                               |  |                         |  | Drop (in):<br>30               |  |
| Drilling Rig:                             |  | Drilling Mud:                 |  | Water Level (ft)<br>▽   |  | First:<br>▽                    |  |
|                                           |  |                               |  | Completion:<br>▽        |  | 24 HR:<br>▽                    |  |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                                                                                    | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |
|---------------|--------|--------------------|-----------------------------------------------------------------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|
|               |        |                    |                                                                                                                       |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |
|               |        |                    | Br. f-c sand, little/some silt, little/some f-c gravel, mixed with variable amounts of cinders, mortar & glass (FILL) | 0              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                       | 1              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                       | 2              |             |      |             | 9                           |                         |         |
|               |        |                    |                                                                                                                       | 3              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                       | 4              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                       | 5              |             |      |             |                             |                         |         |
|               | F      |                    | Br. f-c sand, little/some silt, little/some f-c gravel, mixed with variable amounts of ash & cinders (FILL)           | 6              |             |      |             | 10                          |                         |         |
|               |        |                    |                                                                                                                       | 7              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                       | 8              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                       | 9              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                       | 10             |             |      |             |                             |                         |         |
|               |        |                    | Br. m-f sand, little f-c gravel, tr. silt (FILL)                                                                      | 11             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                       | 12             |             |      |             | 19                          |                         |         |
| 9.0           |        |                    |                                                                                                                       | 13             |             |      |             |                             |                         |         |
|               | G      |                    | Br. f-c gravel, some f-c sand, tr. silt (GP-GM)                                                                       | 14             |             |      |             |                             |                         |         |
| 7.5           |        |                    |                                                                                                                       | 15             |             |      |             |                             |                         |         |
|               | S      |                    | Br. f-c sand, little f-c gravel, little silt (SM)                                                                     | 16             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                       | 17             |             |      |             | 96                          |                         |         |
| 5.0           |        |                    |                                                                                                                       | 18             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                       | 19             |             |      |             |                             |                         |         |
|               | G      |                    | Br. f-c gravel, and f-c sand, tr. silt, num. cobbles (GP-GM)                                                          | 20             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                       | 21             |             |      |             | 63                          |                         |         |
|               |        |                    |                                                                                                                       | 22             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                       | 23             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                       | 24             |             |      |             |                             |                         |         |
| -2.5          |        |                    |                                                                                                                       | 25             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                       | 26             |             |      |             |                             |                         |         |
|               | M      |                    | Gray silt, and f sand (ML)                                                                                            | 27             |             |      |             | 23                          |                         |         |
|               |        |                    |                                                                                                                       | 28             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                                                       | 29             |             |      |             |                             |                         |         |
| -7.5          |        |                    |                                                                                                                       | 30             |             |      |             |                             |                         |         |

End Boring at 30.0'

|                                           |                               |                         |                                                |
|-------------------------------------------|-------------------------------|-------------------------|------------------------------------------------|
| Project:<br>Ansonia/Derby Naugatuck Levee | Project Number:<br>04019-0001 | Elevation (ft):<br>27.0 | Datum:<br>Site Datum                           |
| Location:<br>Ansonia, Connecticut         | Logged By:                    | Date Started:           | Date Completed:                                |
| Drilling Contractor:<br>ACE               | Drilling Foreman:             |                         | Completion Depth (ft):<br>42.0                 |
| Sampler:                                  | Casing Diameter (in):         |                         | Casing Depth (ft):                             |
| Drilling Equipment:                       | Sampler Hammer:               | Weight (lbs):<br>140    | Drop (in):<br>30                               |
| Drilling Rig:                             | Drilling Mud:                 | Water Level (ft)<br>▽   | First:<br>▽<br>Completion:<br>▽<br>24 HR:<br>▽ |

| Elev.<br>(ft) | Strata | Material<br>Symbol | Sample Description                                                                            | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |
|---------------|--------|--------------------|-----------------------------------------------------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|
|               |        |                    |                                                                                               |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |
| 26.5          | TS     |                    | Topsoil                                                                                       | 0              |             |      |             |                             |                         |         |
|               | F      |                    | Cinders & ash (FILL)                                                                          | 1              |             |      |             | 11                          |                         |         |
|               |        |                    | Blk. m-f sand, some silt, mixed with variable amounts of cinders & ash (FILL)                 | 2              |             |      |             |                             |                         |         |
|               |        |                    | Blk f-c sand, some silt, little f-c gravel, mixed with variable amounts of glass & ash (FILL) | 3              |             |      |             | 7                           |                         |         |
|               |        |                    |                                                                                               | 4              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 5              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 6              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 7              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 8              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 9              |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 10             |             |      |             |                             |                         |         |
|               | G/S    |                    | Coal, wood & gravel (FILL)                                                                    | 11             |             |      |             | 2                           |                         |         |
|               |        |                    |                                                                                               | 12             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 13             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 14             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 15             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 16             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 17             |             |      |             | 17                          |                         |         |
|               |        |                    |                                                                                               | 18             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 19             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 20             |             |      |             |                             |                         |         |
| 7.0           |        |                    | Br. f-c sand, little f-c gravel, little silt, num. glass & metal frags (FILL)                 | 21             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 22             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 23             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 24             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 25             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 26             |             |      |             | 12                          |                         |         |
|               |        |                    |                                                                                               | 27             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 28             |             |      |             |                             |                         |         |
|               |        |                    |                                                                                               | 29             |             |      |             | 16                          |                         |         |
|               |        |                    |                                                                                               | 30             |             |      |             |                             |                         |         |

| Elev.<br>(ft) | Strata | Material<br>Symbol                                                                | Sample Description                             | Depth<br>Scale | Sample Data |      |             |                             |                         | Remarks |
|---------------|--------|-----------------------------------------------------------------------------------|------------------------------------------------|----------------|-------------|------|-------------|-----------------------------|-------------------------|---------|
|               |        |                                                                                   |                                                |                | Number      | Type | Recov. (in) | Penetr.<br>Resist<br>BL/6in | N-Value<br>(Blows/foot) |         |
| -10.0         | G/S    |  | Br. f-c sand, little f-c gravel, tr. silt (SP) | 30             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 31             |             |      |             | 16                          |                         |         |
|               |        |                                                                                   |                                                | 32             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 33             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 34             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 35             |             |      |             | 33                          |                         |         |
|               |        |                                                                                   |                                                | 36             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 37             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 38             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 39             |             |      |             |                             |                         |         |
| -15.0         | M      |  | Gray silt, and f sand (ML)                     | 40             |             |      |             | 19                          |                         |         |
|               |        |                                                                                   |                                                | 41             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 42             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 43             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 44             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 45             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 46             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 47             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 48             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 49             |             |      |             |                             |                         |         |
|               |        |                                                                                   | End Boring at 42.0'                            | 50             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 51             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 52             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 53             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 54             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 55             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 56             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 57             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 58             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 59             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 60             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 61             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 62             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 63             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 64             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 65             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 66             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 67             |             |      |             |                             |                         |         |
|               |        |                                                                                   |                                                | 68             |             |      |             |                             |                         |         |