



# Boring Number: B-1B

**Client:** City of New Bedford  
**Project Location:** New Bedford, MA

**Project Name:** Kings Highway Survey  
**Project Number:** 0309-100430

**Drilling Contractor/Driller:** NEBC / M. Ferreira

**Surface Elevation (ft.):**

**Drilling Method/Casing/Core Barrel Size:** Drive and Wash / 4 in / Not Applicable

**Total Depth (ft.):** 7

**Hammer Weight/Drop Height/ Spoon Size:** 140 lb / 30 in / 2 in O.D.

**Depth to Initial Water Level (ft):**

**Bore Hole Location:** See Boring Location Plan

**Depth Date Time**

**Drilling Date: Start:** 4/26/2018 **End:** 4/26/2018

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**Abandonment Method:** Backfilled with cuttings.

**Logged By:** J. Todd / D. Melcher

| Elev.<br>Depth<br>(ft) | Sample<br>Type | Sample<br>Number | Sample<br>Length (in) | Blows per<br>6 inches | Sample<br>Recovery (in) | N-Value | Graphic Log | Strata     | Material Description   | Remarks                           |
|------------------------|----------------|------------------|-----------------------|-----------------------|-------------------------|---------|-------------|------------|--|-----------------------------------|
| 0                      |                |                  |                       |                       |                         |         |             | Fill       | Casing driven and rollerbit advance directly to 3 ft bgs.<br>Permeability test conducted at 3 ft bgs.  |                                   |
|                        | SS             | S-1              | 24                    | 5<br>2<br>8<br>9      | 12                      | 10      |             |            | A: (Top 6") Wet, medium dense, brown, fine to coarse SAND, little fine gravel, trace ceramic debris, trace shells, trace silt<br>B: (Bottom 6") Moist, medium dense, grey, fine SAND, trace silt |                                   |
| 5                      | SS             | S-2              | 24                    | 22<br>17<br>21<br>14  | 14                      | 38      |             | Silty Sand | Moist, dense, grey, fine to medium SAND, little fine gravel, little silt   | FeO staining in bottom 7" of S-2. |
|                        |                |                  |                       |                       |                         |         |             |            | End of exploration at 7 ft bgs.  |                                   |
| 10                     |                |                  |                       |                       |                         |         |             |            |  |                                   |
| 15                     |                |                  |                       |                       |                         |         |             |            |  |                                   |

**Sample Types****Consistency vs Blowcount/Foot****Burmister Classification**

AS - Auger/Grab Sample  
CS - California Sampler  
BQ - 1.5" Rock Core  
NQ - 2" Rock Core

HP - Hydro Punch  
SS - Split Spoon  
ST - Shelby Tube  
WS - Wash Sample  
GP - Geoprobe

**Granular (Sand):**

V. Loose: 0-4 Dense: 30-50  
Loose: 4-10 V. Dense: >50  
M. Dense: 10-30

**Fine Grained (Clay):**

V. Soft: <2 Stiff: 8-15  
Soft: 2-4 V. Stiff: 15-30  
M. Stiff: 4-8 Hard: >30

and 35-50%  
some 20-35%  
little 10-20%  
trace <10%  
moisture, density, color

**Reviewed by:** V. Chan

**Date:** 5/4/2018

**Boring Number:** B-1B



# Boring Number: B-2A

**Client:** City of New Bedford  
**Project Location:** New Bedford, MA

**Project Name:** Kings Highway Survey  
**Project Number:** 0309-100430

**Drilling Contractor/Driller:** NEBC /

**Drilling Method/Casing/Core Barrel Size:** Vacuum Excavation

**Hammer Weight/Drop Height/ Spoon Size:**

**Bore Hole Location:** See Boring Location Plan

**Drilling Date: Start:** 4/20/2018 **End:** 4/20/2018

**Surface Elevation (ft.):**

**Total Depth (ft.):** 5

**Depth to Initial Water Level (ft):**

| Depth | Date      | Time  |
|-------|-----------|-------|
| 4.5   | 4/20/2018 | 11:00 |

**Abandonment Method:** Backfilled with cuttings.

**Logged By:** J. Todd / D. Melcher

| Elev.<br>Depth<br>(ft)   | Sample<br>Type | Sample<br>Number | Sample<br>Length (in) | Blows per<br>6 inches | Sample<br>Recovery (in) | N-Value   | Graphic Log                   | Strata                                    | Material Description  | Remarks  |
|--|----------------|------------------|-----------------------|-----------------------|-------------------------|---|-------------------------------|---|---|--|
| 0  |                |                  |                       |                       |                         |   |                               |   | 6" Asphalt  |  |
|  | AS             | S-1              |                       |                       |                         |   |                               | Fill                                      | Moist, brown, fine to coarse SAND, some fine to coarse gravel, trace silt | Occasional cobbles, less than 6" in diameter.  |
| ▼  | AS             | S-2              |                       |                       |                         |   |                               | Silty Sand                                | Wet, brown, fine to medium SAND, little silt                              |  |
| 5  |                |                  |                       |                       |                         |   |                               |   | End of vacuum excavation.   |  |
| 10   |                |                  |                       |                       |                         |   |                               |   |   |  |
| 15   |                |                  |                       |                       |                         |   |                               |   |   |  |
| <b>Sample Types</b>  |                |                  |                       |                       |                         | <b>Consistency vs Blowcount/Foot</b>            |                               |   |   | <b>Burmister Classification</b>  |
| AS - Auger/Grab Sample<br>CS - California Sampler<br>BQ - 1.5" Rock Core<br>NQ - 2" Rock Core<br>HP - Hydro Punch<br>SS - Split Spoon<br>ST - Shelby Tube<br>WS - Wash Sample<br>GP - Geoprobe |                |                  |                       |                       |                         | <b>Granular (Sand):</b>                         |                               | <b>Fine Grained (Clay):</b>               |   | and 35-50%<br>some 20-35%<br>little 10-20%<br>trace <10%<br>moisture, density, color |
|  |                |                  |                       |                       |                         | V. Loose: 0-4<br>Loose: 4-10<br>M. Dense: 10-30 | Dense: 30-50<br>V. Dense: >50 | V. Soft: <2<br>Soft: 2-4<br>M. Stiff: 4-8 | Stiff: 8-15<br>V. Stiff: 15-30<br>Hard: >30                               |  |
| <b>Reviewed by:</b> V. Chan  |                |                  |                       |                       |                         |   |                               | <b>Date:</b> 5/4/2018                     |   | <b>Boring Number:</b> B-2A   |

## Boring Number: B-3

**Client:** City of New Bedford  
**Project Location:** New Bedford, MA

**Project Name:** Kings Highway Survey  
**Project Number:** 0309-100430

**Drilling Contractor/Driller:** NEBC / M. Ferreira

**Surface Elevation (ft.):**

**Drilling Method/Casing/Core Barrel Size:** Drive and Wash / 4 in / Not Applicable

**Total Depth (ft.):** 9

**Hammer Weight/Drop Height/ Spoon Size:** 140 lb / 30 in / 2 in O.D.

**Depth to Initial Water Level (ft):**

**Bore Hole Location:** See Boring Location Plan

**Depth Date Time**

**Drilling Date: Start:** 4/20/2018 **End:** 4/26/2018

NE 4/20/2018 12:50

**Abandonment Method:** Backfilled with cuttings.

**Logged By:** J. Todd

| Elev.<br>Depth<br>(ft) | Sample<br>Type | Sample<br>Number | Sample<br>Length (in) | Blows per<br>6 inches | Sample<br>Recovery (in) | N-Value | Graphic Log | Strata     | Material Description  | Remarks   |
|------------------------|----------------|------------------|-----------------------|-----------------------|-------------------------|---------|-------------|------------|---|---|
| 0                      | AS             | S-1              |                       |                       |                         |         |             |            | 3" Topsoil  |   |
|                        | AS             | S-2              |                       |                       |                         |         |             | Fill       | Moist, brown, fine to coarse SAND, some silt, little fine to coarse gravel              | Occasional cobbles, less than 6" in diameter.                           |
| 5                      | SS             | S-3              | 24                    | 29<br>53<br>56<br>59  | 15                      | 109     |             | Silty Sand | Moist, very dense, grey, fine to coarse SAND, some silt, trace fine gravel              | Vacuum excavation to 5 ft bgs. Permeability test conducted at 5 ft bgs. |
|                        | SS             | S-4              | 24                    | 53<br>65<br>33<br>30  | 18                      | 98      |             |            | Moist, very dense, grey, fine to coarse SAND, little silt, little fine to coarse gravel |   |
| 10                     |                |                  |                       |                       |                         |         |             |            | End of exploration at 9 ft bgs.   |   |
| 15                     |                |                  |                       |                       |                         |         |             |            |   |   |

### Sample Types

AS - Auger/Grab Sample  
CS - California Sampler  
BQ - 1.5" Rock Core  
NQ - 2" Rock Core  
HP - Hydro Punch  
SS - Split Spoon  
ST - Shelby Tube  
WS - Wash Sample  
GP - Geoprobe

### Consistency vs Blowcount/Foot

**Granular (Sand):**  
V. Loose: 0-4 Dense: 30-50  
Loose: 4-10 V. Dense: >50  
M. Dense: 10-30

**Fine Grained (Clay):**  
V. Soft: <2 Stiff: 8-15  
Soft: 2-4 V. Stiff: 15-30  
M. Stiff: 4-8 Hard: >30

### Burmister Classification

and 35-50%  
some 20-35%  
little 10-20%  
trace <10%  
moisture, density, color

**Reviewed by:** V. Chan

**Date:** 5/4/2018

**Boring Number:** B-3