



GZA  
GeoEnvironmental, Inc.  
Engineers and Scientists

Barre City F EGC F 026-1(34)

Barre, Vermont

Boring No.: TS 3

Page: 1 of 1

File No.: 04.0029010.00

Check: DGL

Contractor: New Hampshire Boring, Inc.  
Foreman: Walter Hoeckele  
Logged by: Mirsad Alihodzic  
Date Start/Finish: 7-21-09 / 7-21-09  
Boring Location: See Plan  
GS Elev.: \_\_\_\_\_ Datum: \_\_\_\_\_

Auger/  
Casing                      Sampler  
Type: HSA                      SS  
I.D.: 2.25 in                      1.37 in  
Hammer Wt.: \_\_\_\_\_ 140 lb  
Hammer Fall: \_\_\_\_\_ 30 in  
Rig / Other: Diedrich D-50 Truck Rig

| GROUNDWATER READINGS |       |        |             |        |
|----------------------|-------|--------|-------------|--------|
| Date                 | Time  | Depth  | Casing      | Stab   |
| 7/21/09              | 13:04 | 5.6 ft | 10 ft (HSA) | 5 min. |
|                      |       |        |             |        |
|                      |       |        |             |        |

| Depth (ft) | Sample Information |                |            |              |                       | Sample Description & Classification                             | Stratum Desc.             | Remarks                | Equipment Installed |
|------------|--------------------|----------------|------------|--------------|-----------------------|---|---------------------------|------------------------|---------------------|
|            | No.                | Pen./Rec. (in) | Depth (ft) | Blows (/6")  | Field Test Data (ppm) |   |                           |                        |                     |
| 0.5        |                    |                |            |              |                       | ASPHALT   | 1                         | No Equipment Installed |                     |
| 5          | S-1                | 24/19          | 4.0-6.0    | 4-2<br>2-2   | 555                   | Very loose, gray, SILT, little fine Sand. Petroleum odor.       |                           |                        |                     |
| 10         | S-2                | 24/13          | 9.0-11.0   | 14-9<br>9-12 | 100                   | Medium dense, gray, SILT, little fine Sand. Petroleum odor.     |                           |                        |                     |
| 15         | S-3                | 24/16          | 14.0-16.0  | 21-8<br>5-5  | 18.8                  | Medium dense, gray, SILT, little fine Sand. Petroleum odor.     | 13.1 ft COBBLE<br>13.7 ft | 2                      |                     |
| 20         | S-4                | 24/15          | 19.0-21.0  | 1-3<br>3-3   | 1.8                   | Loose, gray to brown, SILT, little fine Sand. Petroleum odor.   | SANDY SILT                |                        |                     |
| 25         | S-5                | 24/20          | 24.0-26.0  | 6-4<br>4-5   | 16.3                  | Loose, gray to brown, Silt, little fine Sand. Petroleum odor.   |                           |                        |                     |
|            |                    |                |            |              |                       | Bottom of boring at 26.0 feet below ground surface. No refusal. | 26.0 ft                   | 3<br>4                 |                     |

SOIL BL WELL 04.0029010.00 - BARRE, VT - JULY LOGS.DPJ GZA\_NH.GDT 8/19/09

- REMARKS
- Soil samples were screened for total volatile organic compounds (VOCs) by ECS personnel.
  - Cobble encountered from 13.1 feet to 13.7 feet below ground surface.
  - Drilling soil cuttings were collected into a drum and left on site as directed by ECS personnel on site. Borehole backfilled with filter sand per ECS direction.
  - Per ECS direction, augers were washed with a soap and water solution and the decon water was disposed of on site.

All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

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