| | | | | Depth From Measuring Point | | |
|---|---|---|---|---|---|---|
| | MP Elevation | TOS Elev* | BOS Elev* | TOS Depth | BOS Depth | Measured Depth** |
| UC32 | 72.62 | 67.47 | 66.82 | 5.15 | 5.8 | 5.39’ |
| UC33 | 72.54 | 62.89 | 62.24 | 9.65 | 10.3 | 9.99’ |
| UC34 | 74.06 | 68.91 | 68.26 | 5.15 | 5.8 | 5.47’ |
| UC35 | 73.64 | 66.59 | 65.94 | 7.05 | 7.7 | 7.21’ |
| UC36 | 73.76 | 68.11 | 67.46 | 5.65 | 6.3 | 5.7’ |
| * From Table 3 of Year 15 Annual Report for Unifirst by Harvard Project Services | | | | | | |
| ** Spring 2010 Well Integrity Testing | | | | | | |

**ENSR**

# BORING LOG

Sheet 1 of 1

Project No. 01-03 Date - Start 8/29/94 Finish 4/1/94 Boring UC32

Project Name Unifirst UCD Drilling Co. Guild

Location Wells G+H Site, Woburn, MA Drilling Method Drive & Wash

Total Depth 9.0' Inspector J. Howe Reviewer

Remarks Background - 0.0 - 0.2 parts

300lb. hammer Size NV2 core

| Depth Feet | Sample Type & No. | Blows per 6 In. | Depth Range | Rec. | Graphic Log | Lithologic Description | Equipment Installed |
|---|---|---|---|---|---|---|---|
| | | | 0-.4' | | 1.5 | concrete | |
| | S-1 | 21-44-42 | .5-2' | .7' | 3.4 | Brown f-m SAND some gravel | |
| | S-2 | 32-57-65 | 2-3.5' | 1' | 2.0 | | |
| | S-3 | 20-31-35-37 | 3.5-5.5 | 1.5' | 6.1 | Brown f-m SAND, trace coarse sand and gravel | |
| | S-4 | 57-185-65 for .3' | 5.5-6.8 | .8' | 3.7 | | |
| | ~~NV-2-1~~ NV2-1 | RQD 100% | 7.0-8.5' | 1.4' | 2.0 | pink m grained Granodiorite, fresh (2), blocky trace silt in fractures ~ 7.5', fractures 45-90° | |
| | NV2-2 | NA | 8.5-9' | .15' | 1.5 | same pink m grain Granodiorite | |
| | | | | | | EOB 9' | |

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Project No. 01.0473 Date - Start 4/4/94 Finish 4/6/94 Boring UC33

Project Name Unifirst Property Investigation Drilling Co. Guild

Location Wells G+H Site, Woburn, MA Drilling Method Wash & Drive

Total Depth 15' Inspector J. Howe Reviewer

Remarks * using 300lb. hammer dropping about 1'

background reading w/OVM = 0.4-0.5

☆ = sample

| Depth Feet | Sample Type & No. | Blows per 6 In. * | Depth Range | Rec. | DVM Graphic Log PPM | Lithologic Description | Equipment Installed |
|---|---|---|---|---|---|---|---|
| | S-1 | 100-100-100 | .5-2.0 | 1.4' | 3.2 | 6" concrete<br>Fill brown f-m SAND some gravel, rx frags. | 21:2.<br>C331.<br>470. |
| ☆ | S-2 | 102-98-100 | 2-3.5 | 1.5' | 2.3 | Fill brown f-m SAND some gravel and rock frags angular to subrounded 2 cm - 3" | |
| 5 | S-3 | 39-42-49-47 | 3.5-5.5 | 1.0' | 3.2 | Same | |
| ☆ | S-4 | 67-75-88-52 | 5.5-7.5 | .9' | 4.4 | Same, wet, mottled | 00:<br>C33<br>467. |
| | S-5 | 62-71-84 | 7.5-9.0 | 1.0' | 3.7 | Same, wet, mottled | |
| 10 ☆ | S-6 | 72-103-127 | 9-10.5 | 1.2' | 0.6 | brown f-m SAND, trace coarse sand and gravel rx frags. angular, wet | 21:00<br>C33<br>466. |
| ☆ | S-7 | 57-62 for 3" | 10.5-11.25' | .6' | 26.0 | Same | 21:4<br>C334.<br>465. |
| | NX2-1 | RQD 100% | 12'-15' | 2.7' | 0.2 | Pink medium grained monodiorite, fresh rock, blocky trace silt in fractures ~2.15', 45°, calcite 1.25'-2.65' qtz veins | |
| | | | | | | EOB 15' | |

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**ENSR**

# BORING LOG

Sheet 1 of 1

Project No. 01.03 Date - Start 4/6/94 Finish 4/8/94 Boring UX34

Project Name Unifirst UCD Drilling Co. Guild

Location Wells G+H Woburn, MA Drilling Method Drive & Wash

Total Depth 17' Inspector J. Howe Reviewer

Remarks 300lb hammer

core size NV2, losing water while coring

| Depth Feet | Sample Type & No. | Blows per 6 In. | Depth Range | Rec. | OVM Graphic ~~Log~~ PPM | Lithologic Description | Equipment Installed |
|---|---|---|---|---|---|---|---|
| | | | | | 1.2 | .2' concrete<br>.45' c. sand for drainage | |
| | S-1 | 13-18-22 | 3-4.5' | 1.2' | 69 | 2.9' second layer concrete (staircase)<br>Grayish-Brown f-m SAND trace gravel and c. sand | |
| | S-2 | 22-27-38 | 4.5-6' | .9' | 9.2 | Orange-Brown f SAND, some M sand, trace silt and gravel<br>Buff f-m SAND with trace f sand and silt, well sorted | |
| | S-3 | 19-26-22-28 | 6-8' | .7' | 1.3 | Grey-Brown f-m SAND trace gravel and sub-angular rx frags, mottled | |
| | S-4 | 31-38-34-42 | 9-11' | .8' | 2.2 | Boulder<br>Brown f-m SAND, trace c. sand and gravel, sub-angular rx frags. .5-2" | |
| | S-5 | 27-52-61-100 for 4" | 11-12.9' | 1.2' | 1.0 | | |
| | NV2-1 | RQD 63% | 13-17' | 3.5' | 1.2 | EOB JH<br>Pink m grained Granodiorite, top 6" weathered and v. broken. Rest is broken and fresh, low angle fractures at 14'4", 14'9", 15'6" with calcite and silt, 45° fracture at 15'10" | |
| | | | | | | EOB 17' | |

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Sheet 1 of 1

Project No. 01.03 Date - Start 4/12/94 Finish 4/13/94 Boring UC35

Project Name UniFirst Corp. Property Investigation Drilling Co. Guild

Location Wells G+H Site, Woburn Drilling Method Wash & Drive

Total Depth 11.35' Inspector J. Howe Reviewer

Remarks background = 1.1 parts, ☆ = sample taken for VOC, core size NW-2
S-3 was 2" spoon all others were 3"

| Depth Feet | Sample Type & No. | Blows per 6 In. | Depth Range | Rec. | PDM Graphic Log OVM | Lithologic Description | Equipment Installed Samples |
|---|---|---|---|---|---|---|---|
| ☆ | S-1 | 15-20-29 | .5-2' | .9' | 73 | .37' concrete floor<br>Dark br. f-m SAND, trace gravel and rx frags. | 21:00 C351A |
| ☆ | S-2 | 26-31-39 | 2'-3.5' | 1.1' | 9.8 | Lt. Br. f-m SAND, some gravel, trace rx frags. | 21:15 C352A,B,C,F |
| 5 | S-3 | 61-41-43-49 | 5.5-5.5' | 2' | 3.6 ppm | Lt Br-gray f-m SAND and Rock frags. Subangular <1"-1" | 5 |
| ☆ | S-4 | 78-42-43 | 5.5-7' | .8' | 4.4 | br. f SAND and weathered rock, trace c sand and silt | 23:10 C353A |
| | S-5 | 21-24-27 | 7'-8.5' | .8' | 20.5 | br. f SAND, some m-c sand and weathered rx | 01:30 |
| ☆ | S-6 | 27-100/4 | 8.5-9.35 | 1.0' | 65 | lt. br/Dk. br. interbedded f SAND, some c. sand and gravel | C354A |
| 10 | NW2-1 | RQD 75% | 9.4-11.4' | 2.' | 1.1 | TOP ZONE v. 82 cm weathered<br>9.7'-10.2' Granodiorite slightly weathered<br>10.1 Gabbodiorite fresh, broken, 45° angle to axis fracs. | 10 |
| | | | | | | EOB 11.35' | |
| 15 | | | | | | | 15 |

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Sheet 1 of 1

Project No. 01.03 Date - Start 4/13/94 Finish 4/13/94 Boring VC36

Project Name Unifirst Corp. Property Investigation Drilling Co. Guild

Location Wells G+H Site, Woburn, MA Drilling Method Drive & Wash

Total Depth 9.7' Inspector J. Howe Reviewer

Remarks background reading = 0.0 parts ☆ = sample for VOC

using 300lb. hammer

| Depth Feet | Sample Type & No. | Blows per 6 In. | Depth Range | Rec. | OVM Graphic Log PPM | Lithologic Description | Equipment Installed |
|---|---|---|---|---|---|---|---|
| ☆ | S-1 | 57-63-51 | .5-2' | 1.2' | 23 | .37' concrete floor<br>br. f-m SAND, trace gravel and rx frags. | 19:30<br>C361A |
| | S-2 | 37-120-51 | 2-3.5' | .4' | 2.5 | same | |
| ☆ | S-3 | 31-55-36 | 3.5'-5' | 1.2' | 35 | lt br. same | C362A<br>20:00 |
| ☆ | S-4 | 31-27-21 | 5.0'-6.5' | 1.1' | 111.0 | lt br. f-m SAND, trace gravel and silt, moist | C363A<br>20:15 |
| | S-5 | 41-55-120/2 | 6.5-7.7' | .9' | 65 | same | C364A<br>21:30 |
| | NV2-1 | 200 86% | 7.7'-9.7' | 1.75 | | 7.7-8.1' Broken, slightly weathered Gabbro diorite<br>8.1-9.45 Blocky, fresh Gabbro diorite<br>45° fracture at 9.5' trace silt | C364C |
| | | | | | | EOB 9.7' | |

M890278

**Well Integrity Test**

**Well Name:** UC32 **Well Location:** inside Storage bldg / Unifirst

**Date:** 5/11/10

**Well Construction Specification**

| | Historic Record | Measured Today |
|---|---|---|
| **Total Depth of Well from ~~Surface~~ MP (feet):** | 5.8' | 5.39 |
| **Stick-up (feet):** | 0.0' flushmount | 0.0' FM |
| **Well Casing Type:** | PVC | PVC |
| **Well Diameter:** | 1" | 1" |

**Checklist**

- New Lock Installed ☐
- New Label Added ☐
- Slug/Bailer/Water Level Tape Decontaminated ☒
- Flagging Tape Added ☐
- Well Development Necessary ☐

**Measuring Point**

Existing Mark ☒ Created New Mark ☐

Measuring Point Location: marked edge of PVC

Condition of Protective Casing and Seal: ~~no well plug~~ KGA, functional

Position of Water Table Relative to Well Screen: ~~no record~~ TOS: 5.15' BOS: 5.8' well is dry

**Water Level Response**

Beginning Water Level (feet): Dry

Slug ☐ Bailer ☐

Displacement Volume (gallons): NA

| Time | Water Level | Comments |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

If well development was necessary, describe method:

Name: Kylee Augustino Company: GeoTrans

**Well Integrity Test**

**Well Name:** UC33
**Date:** 5/11/10
**Well Location:** inside Storage unit/Unifirst bldg

**Well Construction Specification**

| | Historic Record | Measured Today |
|---|---|---|
| **Total Depth of Well from Surface (feet):** | 10.3' | 9.99 |
| **Stick-up (feet):** | 0.0' flushmount | 0.0' FM |
| **Well Casing Type:** | PVC | PVC |
| **Well Diameter:** | 1" | 1" |

**Checklist**

- New Lock Installed ☐
- New Label Added ☐
- Slug/Bailer/Water Level Tape Decontaminated ☒
- Flagging Tape Added ☐
- Well Development Necessary ☐

**Measuring Point**

Existing Mark ☒ Created New Mark ☐

Measuring Point Location: marked edge of PVC

Condition of Protective Casing and Seal: functional, ~~no well plug~~ KGA, replaced
Plug on 5/28/10

Position of Water Table Relative to Well Screen: TOS: 9.65 BOS: 10.3 above TOS

**Water Level Response**

Beginning Water Level (feet): 8.55

Slug ☐ Bailer ☒ 0.5' bailer

Displacement Volume (gallons): 1136 75mL

| Time | Water Level | Comments |
|---|---|---|
| 1137 | 8.89 | right after bail |
| 1147 | 8.62 | |
| 1150 | 8.57 | well responds |
| | | |

If well development was necessary, describe method:

Name: Kylee Argustino Company: GeoTrans

**Well Integrity Test**

**Well Name:** UC34

**Well Location:** inside Unifirstbldg/storage unit

**Date:** 5/11/10

**Well Construction Specification**

| | Historic Record | Measured Today |
|---|---|---|
| **Total Depth of Well from Surface (feet):** | 5.8' | 5.~~04~~ 47 |
| **Stick-up (feet):** | 0.0' flushmount | 0.0' FM |
| **Well Casing Type:** | PVC | PVC |
| **Well Diameter:** | 1" | 1" |

**Checklist**

- New Lock Installed ☐
- New Label Added ☐
- Slug/Bailer/Water Level Tape Decontaminated ☐
- Flagging Tape Added ☐
- Well Development Necessary ☐

**Measuring Point**

Existing Mark ☒ Created New Mark ☐

Measuring Point Location: marked edge of PVC

Condition of Protective Casing and Seal: functional, ~~missing well plug~~ KGA replaced plug on 5/26/10

Position of Water Table Relative to Well Screen: TOS: 5.15 BOS: 5.15 : well is dry 5.81'

**Water Level Response**

Beginning Water Level (feet): NA

Slug ☐ Bailer ☐

Displacement Volume (gallons): NA

| Time | Water Level | Comments |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

If well development was necessary, describe method:

Name: Kylee Augustino

Company: GeoTrans

**Well Integrity Test**

**Well Name:** UC35

**Date:** 5/11/10

**Well Location:** inside UniFirst/storage unit

**Well Construction Specification**

| | Historic Record | Measured Today |
|---|---|---|
| **Total Depth of Well from Surface (feet):** | 7.7' | 7.21 |
| **Stick-up (feet):** | 0.0' flushmount | 0.0' FM |
| **Well Casing Type:** | PVC | PVC" |
| **Well Diameter:** | 1" | 1" |

**Checklist**

- New Lock Installed ☐
- New Label Added ☐
- Slug/Bailer/Water Level Tape Decontaminated ☒
- Flagging Tape Added ☐
- Well Development Necessary ☐

**Measuring Point**

Existing Mark ☒ Created New Mark ☐

Measuring Point Location: marking on edge of PVC

Condition of Protective Casing and Seal: lid is broken, but functioning - v. hard to open (recently painted fl

Position of Water Table Relative to Well Screen: TOS: 7.05' BOS: 7.7' well is Dry

**Water Level Response**

Beginning Water Level (feet): DRY ~ about 2" of water in well

Slug ☐ Bailer ☐

Displacement Volume (gallons): N/A

| Time | Water Level | Comments |
|---|---|---|
| | NA | |
| | | |
| | | |
| | | |
| | | |

If well development was necessary, describe method:

Name: Kylee Augustino

Company: GeoTrans

**Well Integrity Test**

**Well Name:** UC36 **Well Location:** Inside storage building Aisle F

**Date:** 5/11/10

**Well Construction Specification**

| | Historic Record | Measured Today |
|---|---|---|
| **Total Depth of Well from Surface (feet):** | 6.3' | 5.7' |
| **Stick-up (feet):** 0.0' | flushmount | 0.0' flushmount |
| **Well Casing Type:** | PVC | PVC |
| **Well Diameter:** | 1" | 1" |

**Checklist**

- New Lock Installed ☐
- New Label Added ☐
- Slug/Bailer/Water Level Tape Decontaminated ☒
- Flagging Tape Added ☐
- Well Development Necessary ☐

**Measuring Point**

Existing Mark ☒ Created New Mark ☐

Measuring Point Location: Black mark on top of PVC

Condition of Protective Casing and Seal: Working – very hard to open, missing well plug (recently painted floor)

Position of Water Table Relative to Well Screen: TOS: 5.65' BOS: 6.3' DRY

**Water Level Response**

Beginning Water Level (feet): Dry

Slug ☐ Bailer ☐

Displacement Volume (gallons): N/A

| Time | Water Level | Comments |
|---|---|---|
| 12:25 | Dry | |
| | | |
| | | |
| | | |
| | | |

If well development was necessary, describe method:

Name: Kylee Augustine Company: GeoTrans

**Well Integrity Test**

**Well Name:** UC16
**Date:** 5/11/10
**Well Location:** SW corner of storage bldg - in parking lot

**Well Construction Specification**

| | Historic Record | Measured Today |
|---|---|---|
| **Total Depth of Well from Surface (feet):** | 28.4' | 27' 9.5" |
| **Stick-up (feet):** | 0.0, flushmount | 0.0" FM |
| **Well Casing Type:** | Steel | Steel |
| **Well Diameter:** | 6" | 6" |

**Checklist**

- New Lock Installed ☐
- New Label Added ☐
- Slug/Bailer/Water Level Tape Decontaminated ☒
- Flagging Tape Added ☐
- Well Development Necessary ☒

**Measuring Point**

Existing Mark ☐ Created New Mark ☒

Measuring Point Location: highest point of steel casing

Condition of Protective Casing and Seal: no well plug, lid functioning

Position of Water Table Relative to Well Screen: TOS: 11' BOS: 28.4' WL above TOS

**Water Level Response**

Beginning Water Level (feet): 1325 8.98

Slug ☐ Bailer ☒ 3 2"

Displacement Volume (gallons): KGA ~2 gallons

| Time | | Water Level | Comments |
|---|---|---|---|
| 1326 | 5/11 | 9.72 | after 1st bail |
| 1355 | 5/11 | 9.70 | |
| 1705 | 5/11 | 9.65 | |
| 0922 | 5/12 | 9.65 | after recovering for ~20 hrs |
| 0940 | 5/13 | 9.77 | |

If well development was necessary, describe method: yes - well did not recover - Maher Services to redevelop well, see reverse for details

Name: Kylee Augustino Company: GeoTrans

6/4/10: Maher Services onsite for well development

UC16: beginning DTW prior to developing: 11.1 ft from TOC

- well subjected to 15 mins of surge blocking, one well volume pumped from well
- well does not recover, cannot develop further, will monitor water levels to check for recovery

UC16 DTW post development:

| Date | time | DTW from TOC |
|---|---|---|
| 6/7/10 | 1630 | 20.27' |
| 6/8/10 | 14:00 | 20.20' |

**Well Integrity Test**

**Well Name:** UC17
**Date:** 5/11/10
**Well Location:** Rear of Unifirst bldg

**Well Construction Specification**

| | Historic Record | Measured Today |
|---|---|---|
| **Total Depth of Well from ~~Surface~~ MP (feet):** | 30' | 30.35' |
| **Stick-up (feet):** | 0.0, flushmount | 0.0 flushmount |
| **Well Casing Type:** | Steel | Iron |
| **Well Diameter:** | 6" | 6" |

**Checklist**

- New Lock Installed ☐
- New Label Added ☐
- Slug/Bailer/Water Level Tape Decontaminated ☒
- Flagging Tape Added ☐
- Well Development Necessary ☐

**Measuring Point**

Existing Mark ☐ Created New Mark ☒

Measuring Point Location: MP at top of casing

Condition of Protective Casing and Seal: Working

Position of Water Table Relative to Well Screen: TOS: 11.7' BOS: 30' WL above TOS

**Water Level Response**

Beginning Water Level (feet): 9.50'

Slug ☐ Bailer 4 inch ☒

Displacement Volume (gallons): 17:03 1.5 gal

| Time | Water Level | Comments |
|---|---|---|
| 1657 | 9.25' | DTW w/ tubing in well |
| 1659 | 9.50' | DTW w/out tubing in well |
| 1704 | 10.19' | DTW after 1 bailer vol removed |
| 0914 5/12/10 | 10.10 | DTW after 16 hours |
| 0946 5/13/10 | 10.10 | |

If well development was necessary, describe method:

Name: Chris Coner

Company: GeoTrans Inc

6/4/10 : Maher services onsite for well development

UC17 : beginning DTW prior to developing : 10.8' from TOC

- well subjected to 15 mins of surge blocking, one well volume pumped from well
- well does not recover, cannot develop further, will monitor water levels to check for recovery

UC17 DTW post-development:

| Date | time | DTW from TOC |
|---|---|---|
| 6/7/10 | 16:40 | 25.42' |
| 6/8/10 | 14:12 | 25.13' |

**Well Integrity Test**

**Well Name:** UC20

**Well Location:** eastern side of Unifirst bldg in road

**Date:** 5/11/10

**Well Construction Specification**

| | Historic Record | Measured Today |
|---|---|---|
| **Total Depth of Well from Surface (feet):** | 27' | 27' |
| **Stick-up (feet):** | 0.0 flushmount | 0.0 FM |
| **Well Casing Type:** | Steel | steel |
| **Well Diameter:** | 6" | 6" |

**Checklist**

- New Lock Installed ☐
- New Label Added ☐
- Slug/Bailer/Water Level Tape Decontaminated ☒
- Flagging Tape Added ☐
- Well Development Necessary ☒

**Measuring Point**

Existing Mark ☐ Created New Mark ☒

Measuring Point Location: edge of steel

Condition of Protective Casing and Seal: no well plug, cover intact + functioning

Position of Water Table Relative to Well Screen: TOS: 8' BOS: 27 WL above TOS

**Water Level Response**

Beginning Water Level (feet): 1655 8.44

Slug ☐ Bailer ☒ 3"

Displacement Volume (gallons): ≈1.5 gallons

| Time | Water Level | Comments |
|---|---|---|
| 1700 5/11 | 9.13 | after first bailed volume |
| 1733 5/11 | 9.10 | |
| 0920 5/12 | 9.15 | ~18 hrs recovery |
| 0945 5/13 | 9.26 | |

If well development was necessary, describe method: yes-well did not ~~develop~~ KGA recover at all - maher services to develop b/c 6" casing

Name: Kylee Augustino Company: GeoTrans

UC 20 : Maher services onsite for well development

beginning DTW prior to developing : 10.7' from TOC

- well subjected to 15 mins of surge blocking, one well volume pumped from well
- well does not recover, cannot develop further will monitor WLs to check for recovery

UC20 DTW post development :

| Date | time | DTW from TOC |
|---|---|---|
| 6/7/10 | 1637 | 19.77 |
| 6/8/10 | 14:10 | 19.75 |

Project UNIFIRST Site WOBURN **BORING** UC16 Sh 1 of 1

Date Started 9/30/87 Completed 9/30/89 Ground Elevation

Total Depth 28.4 Location Logged by J. T. Lawson

Casing I.D. 6 inch Contractor R.L. Maher; John Bowen driller

Remarks boring advanced with a Barber air-rotary rig; no samples taken; boring left cased and open; head secured in a road box

| Elev. Feet | Depth Feet | Sample: Type & Number | Sample: Blows per 6 In. | Sample: Depth Range | Sample: Rec. | Graphic Log | Sample Description | Equipment Installed |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0-0.2 bituminous concrete<br>3-4 ft pink granodiorite boulder; very hard drilling; pull casing back to inspect shoe; shoe ok | |
| | 5 | | | | | | 6-6.5 ft dark gray gabbro-diorite boulder | |
| | | | | | | | Top of Rock 8 ft<br>9 ft inject water to control dust<br>9.5 ft minor << 1 gpm water return<br>8-10.5 ft casing advances quickly; ⇒ broken/weathered rock | |
| | 10 | | | | | | | |
| | 15 | | | | | | water injected throughout rock drilling to control dust; <40 gallons injected<br>finished hole blown out; negligible water return | |
| | 20 | | | | | | casing installed to 11 ft | |
| | 25 | | | | | | All rock cuttings are pink granodiorite and occasional dark gray gabbrodiorite | |
| | 30 | | | | | | Bottom of Boring 28.4 ft | |

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UC16

NW 090241

Project UNITFIRST Site WYBURN **BORING** UC17 Sh 1 of 1

Date Started 10/1/87 Completed 10/1/87 Ground Elevation

Total Depth 30.0 ft Location Logged by J.T. Lawson

Casing I.D. 6 in Contractor D.L. Maher; John Bower Driller

Remarks boring advanced with a Barber air-rotary rig; no samples taken; boring left cased and open; head secured in road box

| Elev. Feet | Depth Feet | Sample Type & Number | Blows per 6 in. | Depth Range | Rec. | Graphic Log | Sample Description | Equipment Installed |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 - 0.2 Bituminous Concrete | |
| | | | | | | | 3-4 ft pink granodiorite boulder inject water | |
| | 5 | | | | | | 6.5 - 8.5 dark gray gabbrodiorite boulder | |
| | 10 | | | | | | Top of Rock 9.0 ft | |
| | | | | | | | Casing installed to 11.7 ft | |
| | | | | | | | All rock cuttings pink granodiorite | |
| | 15 | | | | | | | |
| | 20 | | | | | | | |
| | 25 | | | | | | | |
| | 30 | | | | | | Bottom of Boring 30.0 ft | |

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UC17

NW 090242

Project UNIFIRST Site WOBURN **BORING** UC20 Sh 1 of 1

Date Started 10/6/87 Completed 10/6/87 Ground Elevation

Total Depth 27.0 ft Location Logged by J. T. Lawson

Casing I.D. 6 in. Contractor D. L. Maher; John Bown Driller

Remarks boring advance with a Barber air-rotary rig; no samples taken; boring left cased and open; head secured in a road box

| Elev. Feet | Depth Feet | Sample: Type & Number | Sample: Blows per 6 in. | Sample: Depth Range | Sample: Rec. | Graphic Log | Sample Description | Equipment Installed |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 - 0.1 Bituminous Concrete | |
| | 5 | | | | | | | |
| | | | | | | | Top of Rock 6.3 ft<br>rock cuttings dark gray gabbrodiorite to 7.0 ft pink and gray granodiorite<br>install casing to 8.0 ft<br>inject water at 8.0 ft<br>well blown out at 27 ft << 1 gpm produced | |
| | 10 | | | | | | | |
| | 15 | | | | | | | |
| | 20 | | | | | | | |
| | 25 | | | | | | | |
| | | | | | | | Bottom of Boring 27.0 ft | |
| | 30 | | | | | | | |

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