

Site Visit Report



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MAY 9 2016

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www.gravesengineering.com

Date: 04/01/16
Client: Grafton Planning Board
Project: The Village at Institute Road
Contractor: Guerriere & Halnon, Inc.
Contractor Contact: Normand Gamache

PLANNING BOARD
GRAFTON, MA

Prepared By: Jeffrey Walsh
Arrived on site: 9:55 AM
Left site: 11:00 AM
Site Conditions: Wet – rain earlier today
Weather: 55°, Cloudy

| | |
|---|---|
| Transmitted by: | |
| <input checked="" type="checkbox"/> Mail <input type="checkbox"/> Hand <input type="checkbox"/> Fax | <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Other: |

Comments:

GEI was on-site to witness deep hole test pits along the proposed roads (following a conventional development road layout) and at the location of a proposed stormwater management facility. Guerriere & Halnon, Inc. located the test pits, which were excavated by D&F Afonso, Inc. with an excavator. The test pits were evaluated by Peter Lavoie of Guerriere & Halnon, Inc. It is the responsibility of the design engineer to verify compliance with the MassDEP Stormwater Management Guidelines and Town of Grafton requirements relative to test pit locations and depths. One test pit was evaluated along the roadways and two test pits were evaluated at the stormwater basin (located northwest of Lot 16) today. The findings of the soil evaluations are presented below.

| DTH #19 – Stormwater Basin | | |
|--|--------------|-------------------|
| DEPTH | SOIL HORIZON | SOIL TEXTURE |
| 0 - 4" | A | Sandy loam (SL) |
| 4 - 14" | B | SL |
| 14 - 30" | BC | SL |
| 30 - 138" | C | SL, boulder @ 80" |
| Weeping Water: NA | | |
| Standing Water: NA | | |
| Mottling: 84" (faint high chroma) | | |
| Estimated Seasonal High Groundwater Table @ 84" (mottling) | | |
| Refusal: NA | | |
| Parent Material: Loose glacial till | | |

| DTH #20 – Stormwater Basin | | |
|--|--------------|-----------------|
| DEPTH | SOIL HORIZON | SOIL TEXTURE |
| 0 - 4" | A | Sandy loam (SL) |
| 4 - 10" | B | SL |
| 10 - 26" | BC | SL |
| 26 - 156" | C | SL, stones |
| Weeping Water: NA | | |
| Standing Water: NA | | |
| Mottling: 84" (faint high chroma) | | |
| Estimated Seasonal High Groundwater Table @ 84" (mottling) | | |
| Refusal: NA | | |
| Parent Material: Loose glacial till | | |

| DTH #21 – Road B sta. 18+00, CL | | |
|--|---------------------|---------------------|
| DEPTH | SOIL HORIZON | SOIL TEXTURE |
| 0 - 8" | A | Sandy loam (SL) |
| 8 – 26" | B | SL |
| 26 – 144" | C | SL |
| Weeping Water: NA | | |
| Standing Water: NA | | |
| Mottling: 80" (faint) | | |
| Estimated Seasonal High Groundwater Table @ 80" (mottling) | | |
| Refusal: NA | | |
| Parent Material: Loose glacial till | | |

CL – center line

The water level was measured in the existing eight-inch diameter well on Lot 35. The water level was 42.8 feet below the top of casing (41.0 feet below the existing ground surface).

Action to be Taken:

Grafton Planning Board will be notified of this site visit by way of this report.