

February 20, 2020

Ref: 18134

Mr. Joseph Charpentier, Chair  
City of Worcester Conservation Commission  
City Hall, Room 404  
455 Main Street  
Worcester, MA 01608

via email: [planning@worcesterma.gov](mailto:planning@worcesterma.gov)

Re: Test Pit Memo for #0 Meadowbrook  
Worcester, MA 01608

Mr. Charpentier,

As part of the Stormwater Design for 0 Meadowbrook a test pit was performed on 2/11/2020. This test pit accompanies the previously provided Amendment to Definitive Site Plan and the Stormwater Management & Hydraulic Calculations Report dated February 3<sup>rd</sup>, 2020. The attached test pit log illustrates the Estimated Seasonal High Groundwater at an elevation of 590.89FT.

In accordance with the Massachusetts Stormwater Regulations a minimum of 2FT of separation must be provided between the Estimated Seasonal High Groundwater (ESHGW) and the bottom of the Water Quality Swale. The provided site plans illustrate the bottom of the water quality swale to be approximately at EL: 594.5FT. The difference in these elevations provides approximately 3.6FT of separation achieving the minimum of 2FT. required.

If you have any questions or comments, please call me at 978-501-2695.

Sincerely,

Joseph Graham



Joseph Graham, P.E.  
Civil Engineer  
[joe@ejgraham.com](mailto:joe@ejgraham.com)

Stefanie Covino, Worcester Conservation Planner: [CovinoS@worcesterma.gov](mailto:CovinoS@worcesterma.gov)  
Joe Goodman, Applicant: [joe@qualityfence.org](mailto:joe@qualityfence.org)

City/Town	WORCESTER, MA	FOR:	BMP DESIGN	Contract #:	Project File No: 18134.00
Address:	#0 MEADOWBROOK ST.	Location:	Lat: 42.28936	Long: -71.83244	Elev: 597'
Inspectors Name:	Joe Graham	Date & Time Started	Date & Time Ended	Total Hours:	
Operator's Name:	Joe Goodman	02-11-2020 11:30 am	02-11-2020 1:00 pm	1.50	
Helper's Name:					

**INFORMATION LOG**

Depth	Description
0 - 7"	Ap HORIZON - TOPSOIL, root mat.
7" - 1'-6"	Bw1 HORIZON Dry, brown, FINE TO COARSE SAND, some gravel, trace inorganic silt.
1'-6" - 2'-3"	Bw2 HORIZON Dry, brown, FINE SANDY LOAM, 5% gravel, trace silt and cobbles.
2'-3" - 8'-3"	C HORIZON Sandy Till with fine sandy loam. Trace boulders and 10% cobbles.

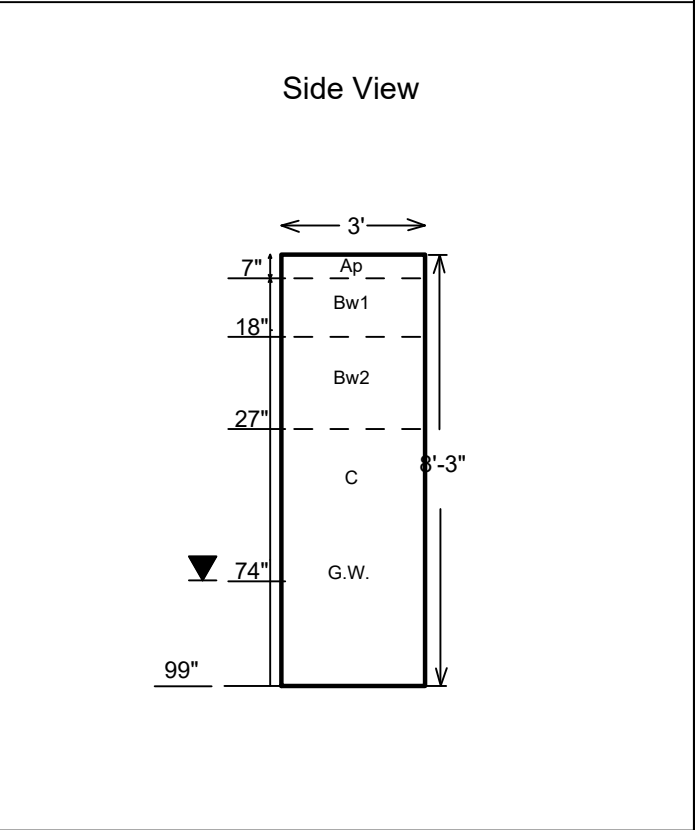
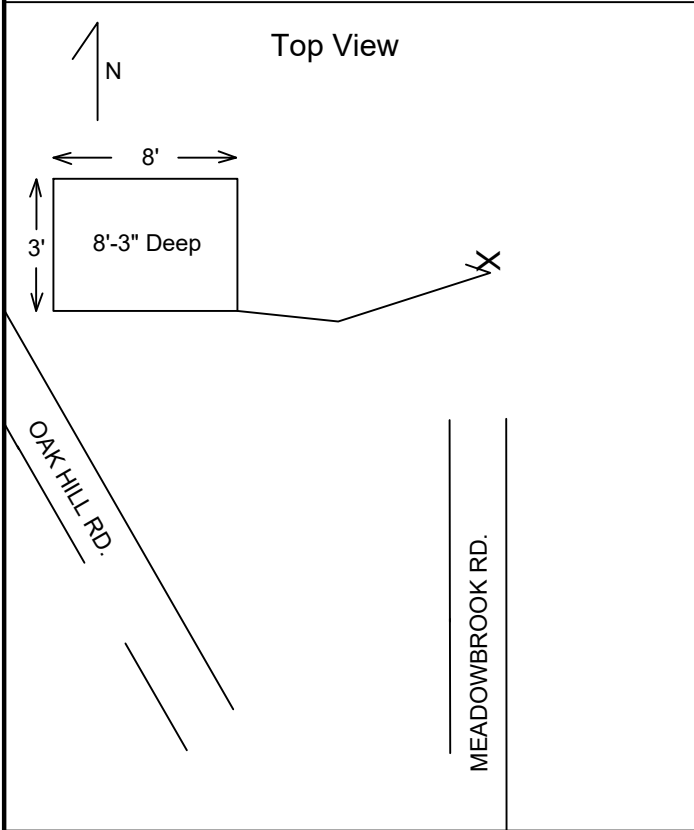
Groundwater encountered 74" down (approx. EL: 590.85')

Remarks:

Sketch plan not to scale

X indicates actual test pit location

**SKETCH (PLAN VIEW)**



Remarks:

Equipment Used: Mini Excavator	Drill Rods/Solid Augers:	Type:	Size:	Hammer:
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