



Commonwealth of Massachusetts

City/Town of Wellesley

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C. On-Site Review (continued)

Deep Observation Hole Number: TP4 4/17/15 10:00 am overcast
4/17/15 Date Time Weather

1. Location

Ground Elevation at Surface of Hole: 146.7+/- feet Latitude/Longitude: /

2. Land Use Residential Lot No 2-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones (e.g., cobbles, stones, boulders, etc.) Slope (%)

3. Distances from: Open Water Body Drainage Way Wetlands >200'
Property Line >100' Drinking Water Well Other
feet feet feet
feet feet feet

4. Parent Material: Unsuitable Materials Present: Yes No

If Yes: Disturbed Soil Fill Material Impervious Layer(s) Weathered/Fractured Rock Bedrock

5. Groundwater Observed: Yes No If yes: 84"
Depth Weeping from Pit Depth Standing Water in Hole

Estimated Depth to High Groundwater: 84" 139.7+/-
inches elevation



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C. On-Site Review (continued)

Deep Observation Hole Number: TP4 4/17/15

Depth (in.)	Soil Horizon/ Layer	Soil Matrix: Color- Moist (Munsell)	Redoximorphic Features			Soil Texture (USDA)	Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
			Depth	Color	Percent		Gravel	Cobbles & Stones			
0-13"	A	10YR3/2				Sandy Loam			Wk. Blocky	V. Friable	
13-20"	B	7.5YR4/6				Sandy Loam			Wk. Blocky	V. Friable	
20-46"	C1	2.5Y6/3				Fine Sandy Loam			Wk. Blocky	V. Friable	
46-96"	C2	2.5Y6/4				V. Fine Loamy Sand			Wk. Blocky	V. Friable	

Additional Notes:

C2 pockets of medium sand and moist



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C. On-Site Review (minimum of two holes required at every proposed primary and reserve disposal area)

Deep Observation Hole Number: TP5 4/17/15 10:40 Overcast
4/17/15 Date Time Weather

1. Location

Ground Elevation at Surface of Hole: 145'+/- feet Latitude/Longitude: /

Description of Location:

2. Land Use Residential Lot (e.g., woodland, agricultural field, vacant lot, etc.) No Surface Stones (e.g., cobbles, stones, boulders, etc.) 2-3% Slope (%)

Wooded Vegetation Landform Position on Landscape (SU, SH, BS, FS, TS)

3. Distances from: Open Water Body feet Drainage Way feet Wetlands >200' feet
Property Line >100' feet Drinking Water Well feet Other feet

4. Parent Material: Unsuitable Materials Present: [] Yes [] No

If Yes: [] Disturbed Soil [] Fill Material [] Impervious Layer(s) [] Weathered/Fractured Rock [] Bedrock

5. Groundwater Observed: [x] Yes [] No If yes: 84" Depth Weeping from Pit Depth Standing Water in Hole

Estimated Depth to High Groundwater: 60" inches 139'+/- elevation



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C. On-Site Review (continued)

Deep Observation Hole Number: TP5 4/17/15

Depth (in.)	Soil Horizon/ Layer	Soil Matrix: Color- Moist (Munsell)	Redoximorphic Features			Soil Texture (USDA)	Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
			Depth	Color	Percent		Gravel	Cobbles & Stones			
0-13"	A	10YR3/2				Sandy Loam			Wk. Blocky	V. Friable	
13-28"	B	7.5YR4/6				Sandy Loam			Wk. Blocky	V. Friable	
28-60"	C1	2.5Y6/3				Med. Sand			Loose	Single Grain	
60-84"	C2	2.5Y6/4	60"			V. Fine Sandy Loam			Wk. Blocky	Friable	

Additional Notes:

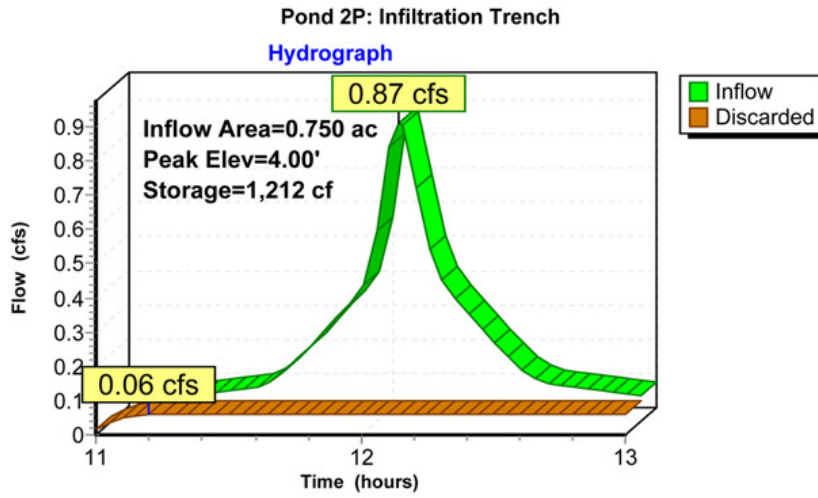
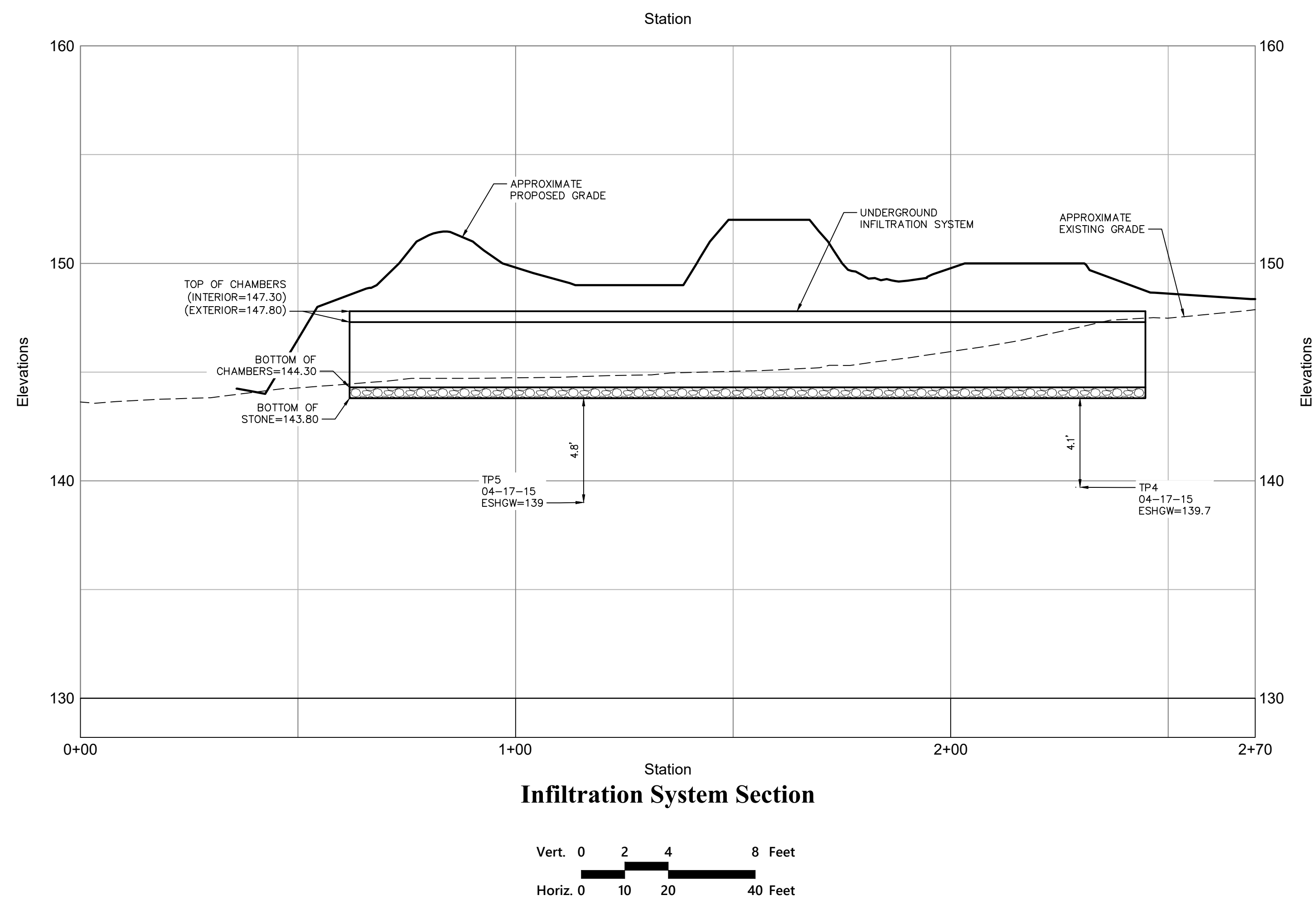
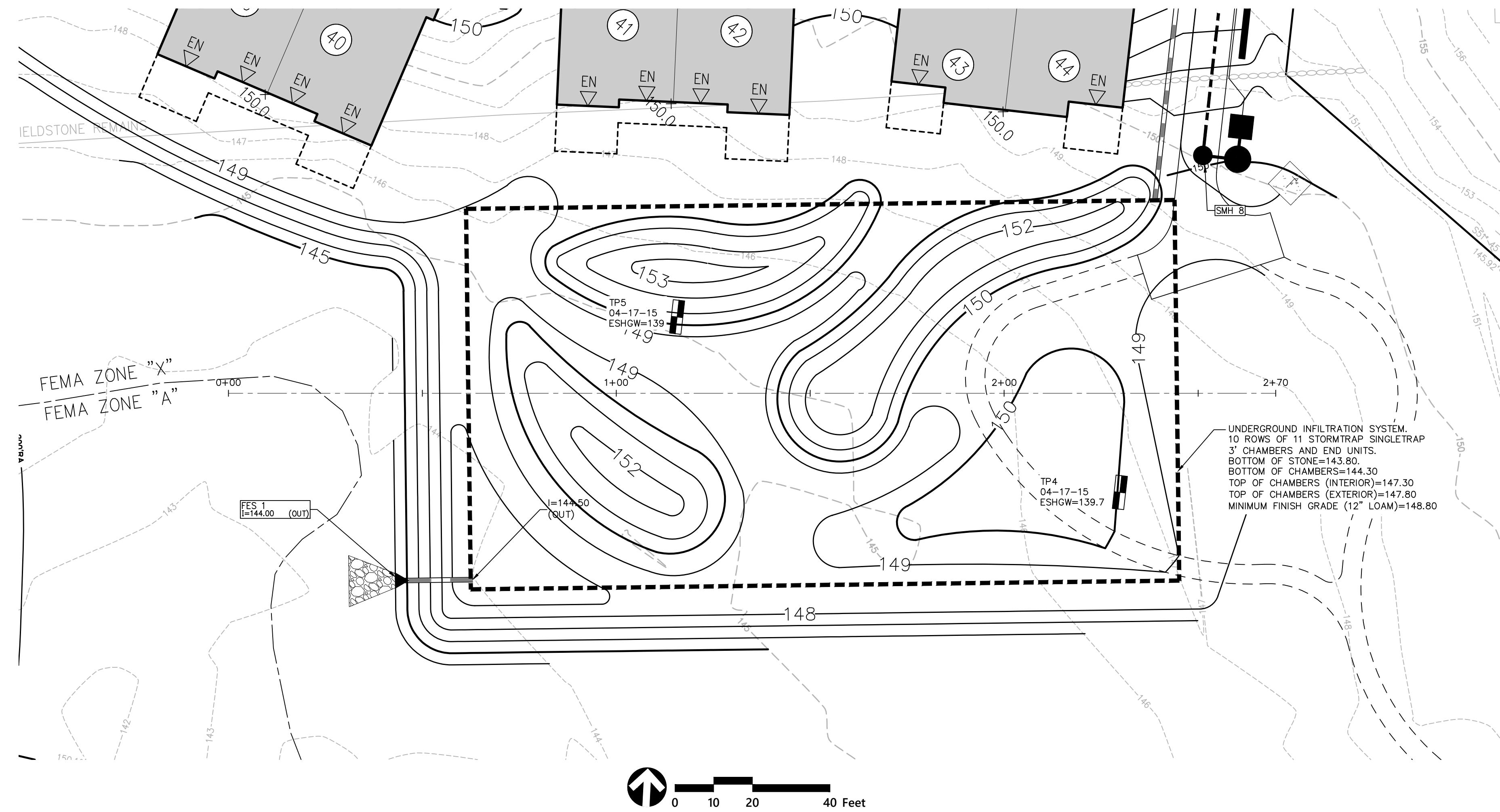


Table 2.3.3. 1982 Rawls Rates¹⁸

Texture Class	NRCS Hydrologic Soil Group (HSG)	Infiltration Rate Inches/Hour
Sand	A	8.27
Loamy Sand	A	2.41
Sandy Loam	B	1.02
Loam	B	0.52
Silt Loam	C	0.27
Sandy Clay Loam	C	0.17
Clay Loam	D	0.09
Silty Clay Loam	D	0.06
Sandy Clay	D	0.05
Silty Clay	D	0.04
Clay	D	0.02

¹⁸ Rawls, Brakensiek and Saxton, 1982



Fieldstone Way
135 Great Plain Avenue
Wellesley, Massachusetts

Revision	Date	App'd.

Review Checked by _____
Date June 13, 2018

Not Approved for Construction
Infiltration System Section

S-1

Sheet 1 of 1

Project Number 13936.00