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*CERTIFIED SOIL SCIENTIST * WETLAND SCIENTIST * LICENSED SITE EVALUATOR*

September 2, 2020

TEST PIT LOGS
62 HAYES ROAD
MADBURY, NEW HAMPSHIRE
Tax Map 5 Lot 12

Test Pits Conducted:	September 2, 2020
By:	Joseph W. Noel
	New Hampshire Certified Soil Scientist #017
	New Hampshire Designer of Subsurface Disposal Systems #1104
Test Pits Witnessed By:	Michael Cuomo, NH Certified Soil Scientist - Rockingham County

Test Pit 1

Oe	1-0 inches	partially decomposed organic matter
Ap	0-8 inches	brown (10YR 4/3) fine sandy loam, friable, granular
Bw	8-19 inches	yellowish brown (10YR 5/6) fine sandy loam, friable, blocky
Cd	19-36 inches	light yellowish brown (2.5Y 6/3) loamy fine sand, firm, massive, common faint and distinct redox features
	36 inches	limit of excavation

Test pit does not meet the minimum soil requirements for the Town of Madbury.

Seasonal High Water Table @ 19" (perched)
Observed Water Table none to 36"
Restrictive Horizon @ 19"
Bedrock none to 36"

Test Pit 2

Oe	1-0 inches	partially decomposed organic matter
Ap	0-6 inches	brown (10YR 4/3) fine sandy loam, friable, granular
Bw	6-16 inches	yellowish brown (10YR 5/6) fine sandy loam, friable, blocky
Cd	16-30 inches	light yellowish brown (2.5Y 6/3) loamy fine sand, firm, massive, common faint and distinct redox features
	30 inches	limit of excavation

Test pit does not meet the minimum soil requirements for the Town of Madbury.

Seasonal High Water Table @ 16" (perched)
Observed Water Table none to 30"
Restrictive Horizon @ 16"
Bedrock none to 30"

Test Pit 3

Oe	2-0 inches	partially decomposed organic matter
Ap	0-8 inches	dark brown (10YR 3/3) fine sandy loam, friable, granular
Bw	8-36 inches	dark yellowish brown (10YR 4/6) cobbly to stony fine sandy loam with rock fragments of weathered phyllite, friable, massive
Cd	36-74 inches	brown (10YR 5/3) and pale brown (10YR 6/3) cobbly loamy fine sand, firm in place, massive, common faint and distinct redox features
R	74++ inches	probable bedrock

Seasonal High Water Table @ 36" (perched)
Observed Water Table none to 74"
Restrictive Horizon @ 36"
Bedrock @ 74"
Estimated Perc Rate: 12 minutes per inch

Test Pit 4

Oe	1-0 inches	partially decomposed organic matter
Ap	0-7 inches	brown (10YR 4/3) fine sandy loam, friable, granular
Bw	7-30 inches	yellowish brown (10YR 5/6) cobbly to stony fine sandy loam, friable, massive
Cd	30-74 inches	light olive brown (2.5Y 5/3) cobbly loamy fine sand, firm in place, massive, common faint and distinct redox features
R	74++	probable bedrock

Seasonal High Water Table @ 30" (perched)
Observed Water Table none to 74"
Restrictive Horizon @ 30"
Bedrock @ 74"

Test Pit 5

Oe	2-0 inches	partially decomposed organic matter
Ap	0-6 inches	brown (10YR 4/3) fine sandy loam, friable, granular
Bw	6-24 inches	yellowish brown (10YR 5/6) fine sandy loam, friable, massive
BC	24-28 inches	light yellowish brown (10YR 6/4) loamy fine sand, friable, massive
Cd	28-74 inches	pale brown (10YR 6/3) loamy fine sand, firm, massive, common faint and distinct redox features

Seasonal High Water Table @ 28" (perched)
Observed Water Table none to 74"
Restrictive Horizon @ 28"
Bedrock none to 74"
Estimated Perc Rate: 14 minutes per inch

Test Pit 6

Oe	3-0 inches	partially decomposed organic matter
Ap	0-6 inches	dark brown (10YR 3/3) fine sandy loam, friable, granular
Bw	6-28 inches	yellowish brown (10YR 5/6) fine sandy loam, friable, blocky
BC	28-32 inches	light yellowish brown (10YR 6/4) loamy fine sand, friable, massive
Cd	32-74 inches	light olive brown (2.5Y 5/3) loamy fine sand, firm, massive, common faint and distinct redox features

Seasonal High Water Table @ 32" (perched)
Observed Water Table none to 74"
Restrictive Horizon @ 32"
Bedrock none to 74"
Estimated Perc Rate: 14 minutes per inch