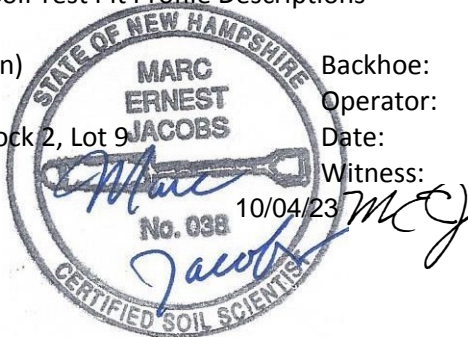


### Soil Test Pit Profile Descriptions

Location: 9 Bowley Road (Brown)  
East Kingston, NH  
Assessors Map 11, Block 2, Lot 9  
Evaluator: Marc Jacobs, CSS 038



Backhoe: Kubota U48-5 Mini-Excavator  
Operator:  
Date: 04/10/23  
Witness: NA

#### Test Pit 1 (of 10)

Depth (Inches)	Color	Texture	Structure	Consistence
0	10 YR 3/3 Dark brown	Fine sandy loam (fill)	Massive	Moist friable

<b>ESHWT: (Inches):</b>	Not determined - None	<b>Roots: (Inches)</b>	None	<b>Restrictive Layer:</b>	NA
<b>Observed H<sub>2</sub>O:</b>	None	<b>Refusal (Inches):</b>	None observed to 48"	<b>Estimated Percolation Rate (Min/In):</b>	NA
<b>Notes:</b>	Topsoil stockpile - Udorthents				

#### Test Pit 2

Depth (Inches)	Color	Texture	Structure	Consistence
0	10 YR 5/6 Yellowish brown, 10% 7.5 YR 5/6 Strong brown redoximorphic concentrations and 10% 10 YR 6/1 Gray redoximorphic depletions	Fine sand	Massive	Moist friable
13+	10 YR 5/3 Brown, 25% 5 YR 4/6 Yellowish red redoximorphic concentrations and 25% 10 YR 6/1 Gray redoximorphic depletions	Very fine sand	Massive	Wet friable w/discontinuous pockets of weak cementation

<b>ESHWT: (Inches):</b>	0"	<b>Roots: (Inches)</b>	None	<b>Restrictive Layer:</b>	Weak cementation @ 13"
<b>Observed H<sub>2</sub>O:</b>	Seeps @ 15"	<b>Refusal (Inches):</b>	None observed to 40"	<b>Estimated Percolation Rate (Min/In):</b>	NA
<b>Notes:</b>	All topsoil and upper part of subsoil has been stripped				

**Test Pit 3**

Depth (Inches)	Color	Texture	Structure	Consistence
0	10 YR 3/2 Very dark grayish brown	Fine sandy loam	Weak fine granular	Moist friable
4	10 YR 4/4 Dark yellowish brown	Fine sandy loam	Massive	Moist friable
6	10 YR 5/6 Yellowish brown	Loamy fine sand	Massive	Moist friable
9	10 YR 5/3 Brown, 5% 10 YR 5/6 Yellowish brown redoximorphic concentrations and 20% 10 YR 6/2 Light brownish gray redoximorphic depletions	Very fine sand	Massive	Moist friable
24	2.5 Y 6/2 Light brownish gray	Fine sand	Massive	Wet friable to loose

<b>ESHWT: (Inches):</b>	9"	<b>Roots: (Inches)</b>	None	<b>Restrictive Layer:</b>	NA
<b>Observed H<sub>2</sub>O:</b>	Many seeps @ 24"	<b>Refusal (Inches):</b>	None observed to 38"	<b>Estimated Percolation Rate (Min/In):</b>	NA
<b>Notes:</b>	Somewhat poorly drained – Deerfield variant				

**Test Pit 4**

Depth (Inches)	Color	Texture	Structure	Consistence
+0.5	Forest Duff	NA	NA	NA
0	10 YR 3/2 Very dark grayish brown	Fine sandy loam	Weak fine granular	Moist friable
4	10 YR 3/6 Dark yellowish brown	Fine sandy loam	Massive	Moist friable
9	10 YR 5/6 Yellowish brown	Fine sand	Massive	Moist friable in hand
23+	2.5 Y 5/3 Light olive brown, 5% 2.5 Y 6/1 Gray redoximorphic depletions	Fine sand	Massive	Moist to wet friable

<b>ESHWT: (Inches):</b>	23"	<b>Roots:</b>	Common to 21"	<b>Restrictive Layer:</b>	Weak discontinuous cementation starting @ 9"
<b>Observed H<sub>2</sub>O:</b>	Slow seeps @ 30"	<b>Refusal (Inches):</b>	None observed to 42"	<b>Estimated Percolation Rate (Min/In):</b>	NA
<b>Notes:</b>	All pit locations marked with pink flags – Moderately well drained Deerfield series				

**Test Pit 5**

Depth (Inches)	Color	Texture	Structure	Consistence
+1	Forest duff	NA	NA	NA
0	10 YR 3/2 Very dark grayish brown	Fine sandy loam	Weak fine granular	Moist friable
7	10 YR 5/4 Yellowish brown	Loamy fine sand, pockets of sand and coarse sand	Massive	Moist friable in hand
28	2.5 Y 5/3 Light olive brown, 20% 7.5 YR 5/6 Strong brown redoximorphic concentrations + 20% 2.5 Y 6/1 Gray redoximorphic depletions	Very fine sand	Massive	Moist to wet friable to firm

<b>ESHWT: (Inches):</b>	28"	<b>Roots: (Inches)</b>	Minimal – surface	<b>Restrictive Layer:</b>	Discontinuous at 28"
<b>Observed H<sub>2</sub>O:</b>	Slow seeps @ 28"	<b>Refusal (Inches):</b>	None observed to 40"	<b>Estimated Percolation Rate (Min/In):</b>	NA
<b>Notes:</b>	Moderately well drained – Deerfield				

**Test Pit 6**

Depth (Inches)	Color	Texture	Structure	Consistence
+1	Forest Duff	NA	NA	NA
0	10 YR 3/2 Very dark grayish brown	Fine sandy loam	Weak fine granular	Moist friable
5	10 YR 5/6 Yellowish brown	Fine sandy loam/Loamy very fine sand	Massive	Moist friable
24	2.5 Y 5/3 Light olive brown, 20% 2.5 Y 6/1 Gray redoximorphic depletions	Very fine sand	Massive	Moist friable

<b>ESHWT: (Inches):</b>	23"	<b>Roots:</b>	Common to 24"	<b>Restrictive Layer:</b>	None
<b>Observed H<sub>2</sub>O:</b>	None	<b>Refusal (Inches):</b>	None observed to 41"	<b>Estimated Percolation Rate (Min/In):</b>	NA
<b>Notes:</b>	All pit locations marked with pink flags – Moderately well drained Deerfield series				

**Test Pit 7**

Depth (Inches)	Color	Texture	Structure	Consistence
+0.5	Forest Duff	NA	NA	NA
0	10 YR 3/3 Dark brown	Fine sandy loam	Weak fine granular	Moist friable
3	10 YR 5/6 Yellowish brown	Sandy loam	Massive	Moist friable
14	10 YR 6/3 Pale brown	Sand	Single grain	Moist friable to loose
36	2.5 Y 5/3 Light olive brown, 10% 2.5 Y 6/1 Gray redoximorphic depletions	Sand	Single grain	Moist to wet friable to loose

<b>ESHWT: (Inches):</b>	36"	<b>Roots:</b>	Occasional to 32"	<b>Restrictive Layer:</b>	None
<b>Observed H<sub>2</sub>O:</b>	None	<b>Refusal (Inches):</b>	None observed to 48"	<b>Estimated Percolation Rate (Min/In):</b>	NA
<b>Notes:</b>	Moderately well drained Deerfield series				

**Test Pit 8**

Depth (Inches)	Color	Texture	Structure	Consistence
0	10 YR 3/2 Very dark grayish brown	Fine sandy loam (fill)	Weak fine granular	Moist friable
1	10 YR 4/3 Brown	Stony fine sandy loam (fill)	Massive	Moist friable
25	10 YR 4/2 Dark grayish brown, 2% 10 YR 5/6 Yellowish brown redoximorphic concentrations & 1% 10 YR 6/2 Light brownish gray redoximorphic depletions	Stony fine sandy loam (fill)	Massive	Moist friable in hand
40	10 YR 5/3 Brown, 25% 7.5 YR 5/6 Yellowish brown redoximorphic concentrations & 25% 10 YR 6/1 Gray redoximorphic depletions	Sand	Massive	Moist to wet friable

<b>ESHWT: (Inches):</b>	25"	<b>Roots:</b>	Occasional to 24"	<b>Restrictive Layer:</b>	None
<b>Observed H<sub>2</sub>O:</b>	None	<b>Refusal (Inches):</b>	None observed to 48"	<b>Estimated Percolation Rate (Min/In):</b>	NA
<b>Notes:</b>	Moderately well drained Udorthents				

**Test Pit 9**

Depth (Inches)	Color	Texture	Structure	Consistence
+2	Forest duff	NA	NA	NA
0	10 YR 4/4 Dark yellowish brown	Fine sandy loam	Weak fine granular	Moist friable
6	10 YR 5/6 Yellowish brown	Fine sandy loam	Massive	Moist friable
18	10 YR 6/6 Brownish yellow	Fine sand	Massive	Moist friable
40	10 YR 5/4 Yellowish brown, 10% 7.5 YR 5/6 Strong brown redoximorphic concentrations	Fine sand	Massive	Moist friable

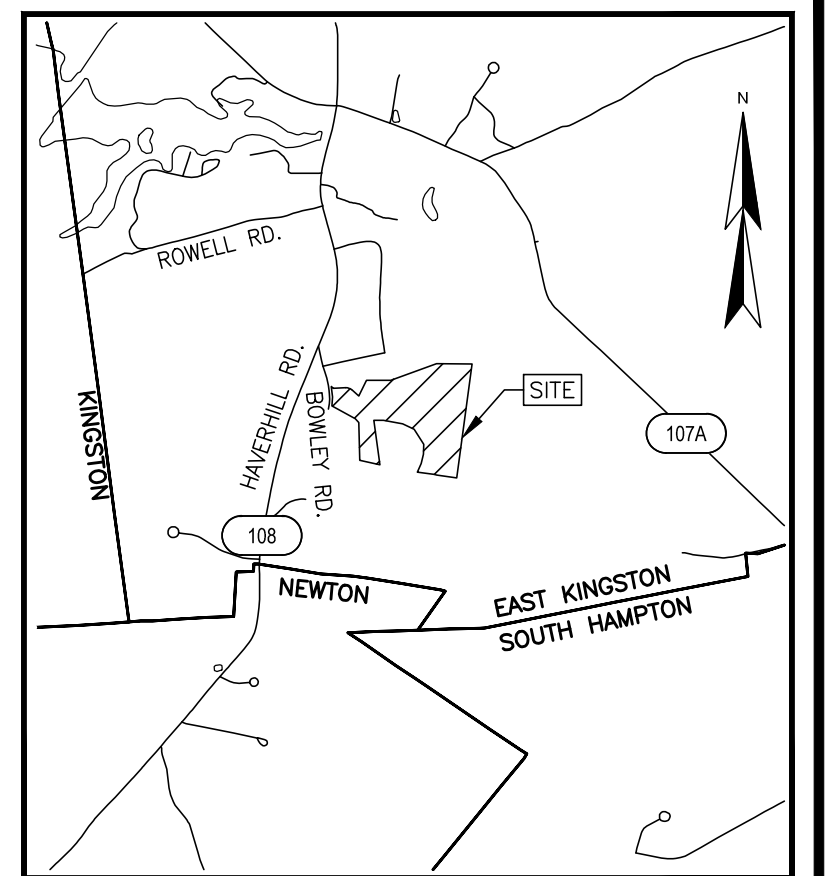
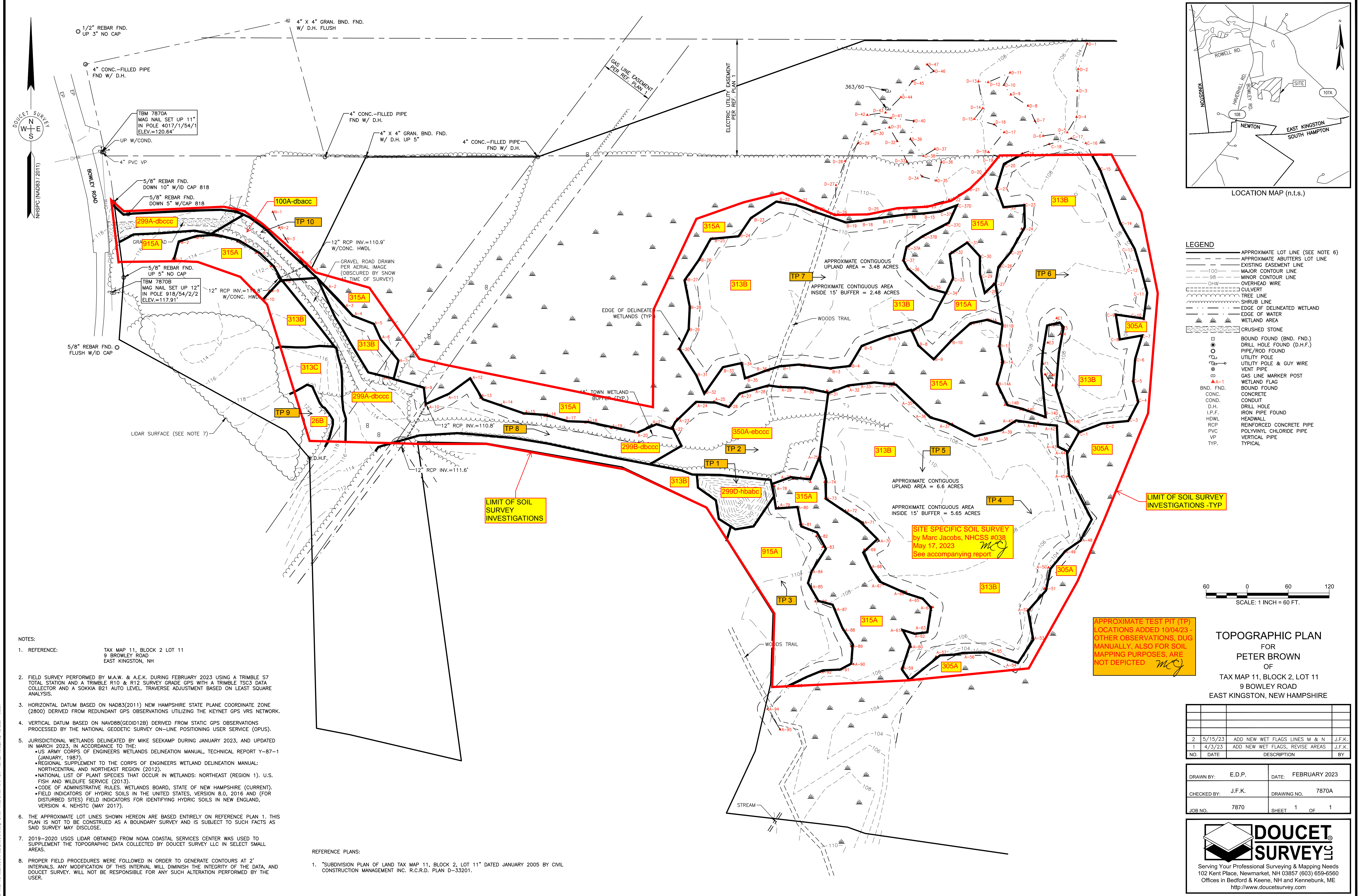
<b>ESHWT: (Inches):</b>	40"	<b>Roots:</b>	Occasional to 36"	<b>Restrictive Layer:</b>	None
<b>Observed H<sub>2</sub>O:</b>	None	<b>Refusal (Inches):</b>	None observed to 48"	<b>Estimated Percolation Rate (Min/In):</b>	NA
<b>Notes:</b>	Well drained Windsor series				

**Test Pit 10**

Depth (Inches)	Color	Texture	Structure	Consistence
0	10 YR 4/3 Brown	Stony fine sandy loam (fill)	Massive	Moist friable
24	2.5 Y 3/3 Dark olive brown, 5% 2.5 Y 5/6 Light olive brown redoximorphic concentrations	Fine sandy loam	Massive	Moist friable
28	2.5 Y 4/4 Olive brown, 10% 10 YR 5/6 Yellowish brown redoximorphic concentrations + 10% 2.5 Y 6/1 Gray redoximorphic depletions	Loamy fine sand	Massive	Wet friable
44	2.5 Y 5/3 Light olive brown, 20% 7.5 YR 5/6 Strong brown redoximorphic concentrations + 10% 2.5 Y 7/1 Gray redoximorphic depletions	Fine sand & Sand	Massive	Wet friable

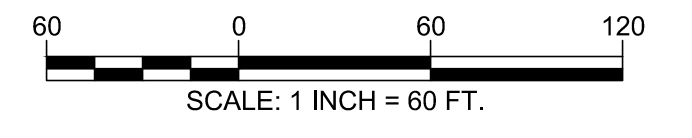
<b>ESHWT: (Inches):</b>	28"	<b>Roots:</b>	Occasional to 30"	<b>Restrictive Layer:</b>	None
<b>Observed H<sub>2</sub>O:</b>	Slow seep at 44"	<b>Refusal (Inches):</b>	None observed to 52"	<b>Estimated Percolation Rate (Min/In):</b>	NA
<b>Notes:</b>	Moderately well drained Udorthents series				





**LEGEND**

- APPROXIMATE LOT LINE (SEE NOTE 6)
- APPROXIMATE ABUTTERS LOT LINE
- EXISTING EASEMENT LINE
- MAJOR CONTOUR LINE
- MINOR CONTOUR LINE
- OHW
- OVERHEAD WIRE
- CULVERT
- TREE LINE
- SHRUB LINE
- EDGE OF DELINEATED WETLAND
- EDGE OF WATER
- WETLAND AREA
- CRUSHED STONE
- BOUND FOUND (BND. FND.)
- DRILL HOLE FOUND (D.H.F.)
- PIPE/ROD FOUND
- UTILITY POLE
- UTILITY POLE & GUY WIRE
- VENT PIPE
- GAS LINE MARKER POST
- WETLAND FLAG
- BOUND FOUND
- CONCD.
- CONDUIT
- DRILL HOLE
- I.P.F.
- IRON PIPE FOUND
- HEADWALL
- RCP
- REINFORCED CONCRETE PIPE
- PVC
- POLYVINYL CHLORIDE PIPE
- VP
- VERTICAL PIPE
- TYP.
- TYPICAL



**TOPOGRAPHIC PLAN**  
 FOR  
**PETER BROWN**  
 OF  
 TAX MAP 11, BLOCK 2, LOT 11  
 9 BOWLEY ROAD  
 EAST KINGSTON, NEW HAMPSHIRE

NO.	DATE	DESCRIPTION	BY
2	5/15/23	ADD NEW WET FLAGS LINES M & N	J.F.K.
1	4/3/23	ADD NEW WET FLAGS, REVISE AREAS	J.F.K.

DRAWN BY:	E.D.P.	DATE:	FEBRUARY 2023
CHECKED BY:	J.F.K.	DRAWING NO.	7870A
JOB NO.	7870	SHEET	1 OF 1

**DOUCET SURVEY**  
 Serving Your Professional Surveying & Mapping Needs  
 102 Kent Place, Newmarket, NH 03857 (603) 659-6560  
 Offices in Bedford & Keene, NH and Kennebunk, ME  
<http://www.doucetsurvey.com>

- NOTES:**
- REFERENCE: TAX MAP 11, BLOCK 2 LOT 11  
9 BOWLEY ROAD  
EAST KINGSTON, NH
  - FIELD SURVEY PERFORMED BY M.A.W. & A.E.K. DURING FEBRUARY 2023 USING A TRIMBLE S7 TOTAL STATION AND A TRIMBLE R10 & R12 SURVEY GRADE GPS WITH A TRIMBLE TSC3 DATA COLLECTOR AND A SOKKIA B21 AUTO LEVEL. TRAVERSE ADJUSTMENT BASED ON LEAST SQUARE ANALYSIS.
  - HORIZONTAL DATUM BASED ON NAD83(2011) NEW HAMPSHIRE STATE PLANE COORDINATE ZONE (2800) DERIVED FROM REDUNDANT GPS OBSERVATIONS UTILIZING THE KEYNET GPS VRS NETWORK.
  - VERTICAL DATUM BASED ON NAVD83(GEOID12B) DERIVED FROM STATIC GPS OBSERVATIONS PROCESSED BY THE NATIONAL GEODETIC SURVEY ON-LINE POSITIONING USER SERVICE (OPUS).
  - JURISDICTIONAL WETLANDS DELINEATED BY MIKE SEEKAMP DURING JANUARY 2023, AND UPDATED IN MARCH 2023, IN ACCORDANCE TO THE:  
 • U.S. ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JANUARY, 1987).  
 • REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION (2012).  
 • NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS: NORTHEAST (REGION 1). U.S. FISH AND WILDLIFE SERVICE (2013).  
 • CODE OF ADMINISTRATIVE RULES, WETLANDS BOARD, STATE OF NEW HAMPSHIRE (CURRENT).  
 • FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 8.0, 2016 AND (FOR DISTURBED SITES) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 4. NEHSTC (MAY 2017).
  - THE APPROXIMATE LOT LINES SHOWN HEREON ARE BASED ENTIRELY ON REFERENCE PLAN 1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY AND IS SUBJECT TO SUCH FACTS AS SAID SURVEY MAY DISCLOSE.
  - 2019-2020 USGS LIDAR OBTAINED FROM NOAA COASTAL SERVICES CENTER WAS USED TO SUPPLEMENT THE TOPOGRAPHIC DATA COLLECTED BY DOUCET SURVEY LLC IN SELECT SMALL AREAS.
  - PROPER FIELD PROCEDURES WERE FOLLOWED IN ORDER TO GENERATE CONTOURS AT 2' INTERVALS. ANY MODIFICATION OF THIS INTERVAL WILL DIMINISH THE INTEGRITY OF THE DATA, AND DOUCET SURVEY WILL NOT BE RESPONSIBLE FOR ANY SUCH ALTERATION PERFORMED BY THE USER.

- REFERENCE PLANS:**
- "SUBDIVISION PLAN OF LAND TAX MAP 11, BLOCK 2, LOT 11" DATED JANUARY 2005 BY CIVIL CONSTRUCTION MANAGEMENT INC. R.C.R.D. PLAN D-33201.

**SITE SPECIFIC SOIL SURVEY**  
 by Marc Jacobs, NHCSS #038  
 May 17, 2023  
 See accompanying report

**APPROXIMATE TEST PIT (TP) LOCATIONS** ADDED 10/04/23. OTHER OBSERVATIONS, DUG MANUALLY, ALSO FOR SOIL MAPPING PURPOSES, ARE NOT DEPICTED.

**LIMIT OF SOIL SURVEY INVESTIGATIONS**

**LIMIT OF SOIL SURVEY INVESTIGATIONS - TYP**