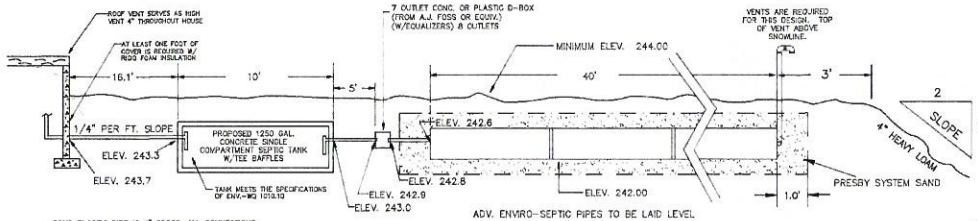
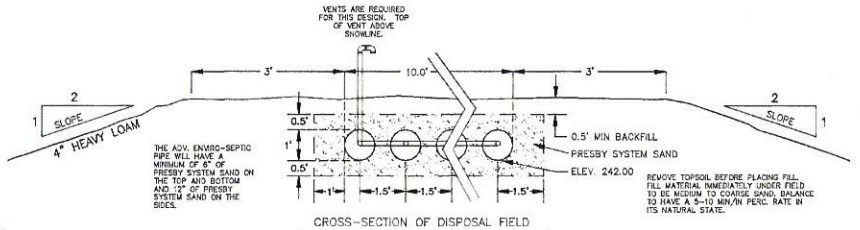
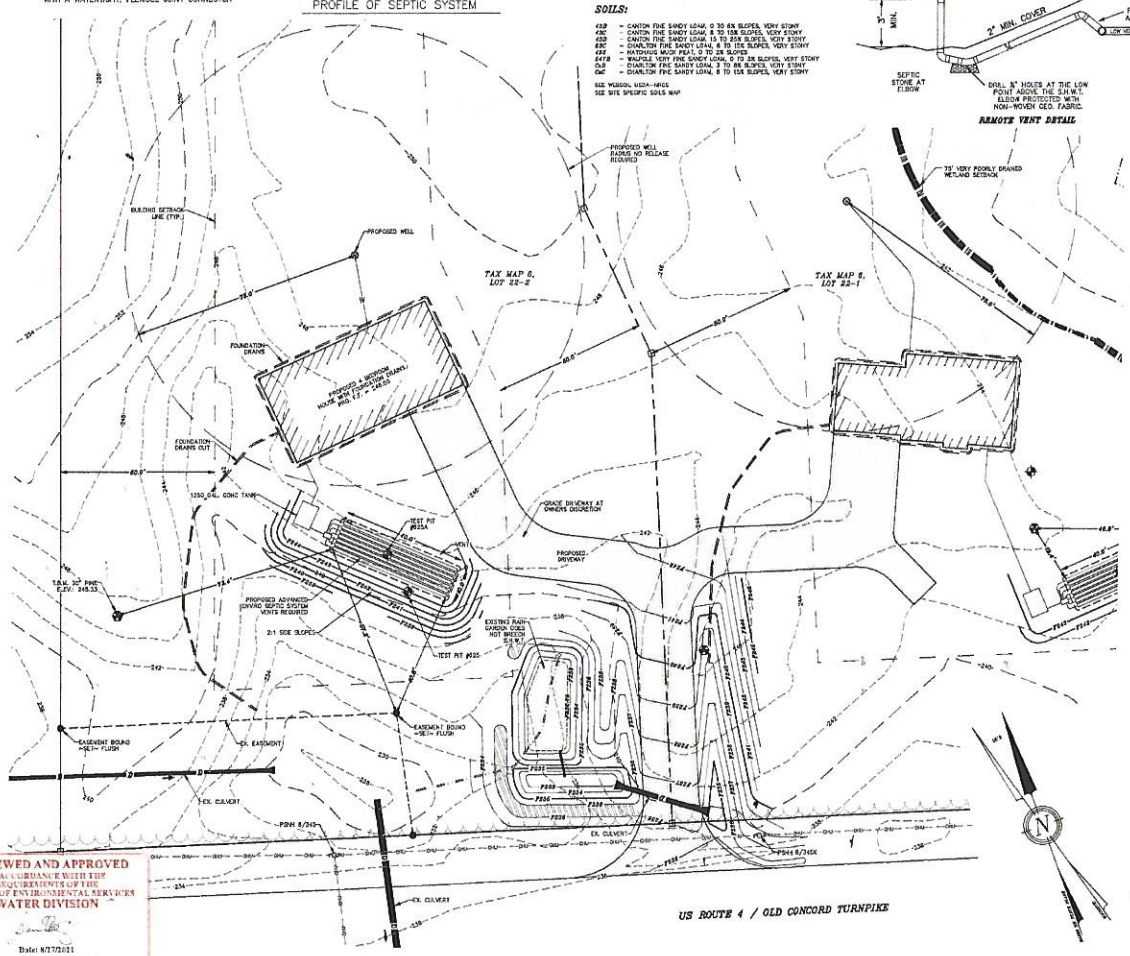



SOLID PLASTIC PIPE IS 4" SDR35. ALL CONNECTIONS BETWEEN THE SEPTIC TANK AND THE PIPES LEADING TO AND EXITING FROM THE TANK SHALL BE SEALED WITH A WATERTIGHT, FLEXIBLE JOINT CONNECTOR

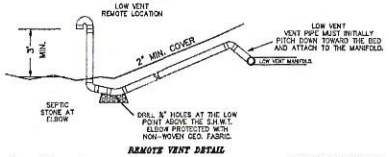
## PROFILE OF SEPTIC SYSTEM




### SOILS:

- 453 – CANTON FINE SANDY LOAM, 0 TO 8% SLOPES, VERY STONY
- 454 – CANTON FINE SANDY LOAM, 8 TO 15% SLOPES, VERY STONY
- 455 – CANTON FINE SANDY LOAM, 15 TO 25% SLOPES, VERY STONY
- 606 – CHARLTON FINE SANDY LOAM, 8 TO 15% SLOPES, VERY STONY
- 655 – HATHORNE MUCK PEAT, 0 TO 3% SLOPES
- 6478 – WALPOLE VERY FINE SANDY LOAM, 0 TO 3% SLOPES, VERY STONY
- 0L8 – CHARLTON FINE SANDY LOAM, 3 TO 8% SLOPES, VERY STONY
- 0NC – CHARLTON FINE SANDY LOAM, 8 TO 15% SLOPES, VERY STONY

SEE WSSOIL USDA-NRCS
SEE SITE SPECIFIC SOILS MAP




REMOTE VENT DETAIL

### TEST PIT DATA:

TEST PIT #625
0-5+ - 10YR 2/2, VERY DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
5-24+ - 10YR 5/6, YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
24-50+ - 2.5Y 6/4, LIGHT YELLOWISH BROWN, FINE SAND, GRANULAR, WEAK FRIABLE
TERMINATED @ 50+
NO E.S.H.W.T
PERC = 6 MIN/IN
NO REFUSAL
NO GROUND WATER OBSERVED
ROOTS TO 50+

TEST PIT #625A
0-5+ - 10YR 2/2, VERY DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
5-24+ - 10YR 5/6, YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
24-50+ - 2.5Y 6/4, LIGHT YELLOWISH BROWN, FINE SAND, GRANULAR, WEAK FRIABLE
TERMINATED @ 50+
NO E.S.H.W.T
PERC = 6 MIN/IN
NO REFUSAL
NO GROUND WATER OBSERVED
ROOTS TO 50+

### CALCULATIONS :

4 BEDROOM HOUSE, 600 GPD
USE 1250 GAL. SINGLE COMPARTMENT CONCRETE SEPTIC TANK (FROM A.J. FOSS OR EQUIV.)

10 MIN/IN MEASURED PERC RATE
10 MIN/IN DESIGN PERC RATE
280 – MIN. LENGTH ADV. ENVIRO SEPTIC PIPE REQUIRED
280 – PROPOSED LENGTH OF ADV. ENVIRO SEPTIC PIPE
28 – TOTAL NUMBER OF 10' SECTIONS OF ADV. ENVIRO SEPTIC PIPE REQUIRED
7 ROWS OF ADV. ENVIRO SEPTIC PIPE, EACH ROW 40' LONG

### ELEVATIONS :

244.00 – HIGH POINT OF LEACH BED
240.00 – S.H.W.T.
N/A – IMPERVIOUS LAYER
242.00 – BOTTOM OF ADV. ENVIRO-SEPTIC PIPES

### PLAN INTENT :

THE SEPTIC SYSTEM IS TO BE CONSTRUCTED WITH THE BOTTOM OF THE LEACH BED IS 2' BELOW THE HIGH POINT OF THE EXISTING LAND.
IN THE EVENT OF LEACH BED FAILURE, IT MAY BE REBUILT IN PLACE WITH NHDES APPROVAL.

### WETNOTE :

THE WETLAND DELINEATION WAS COMPLETED FEBRUARY, 2018 IN ACCORDANCE WITH THE 1987 CORP OF ENGINEERS WETLAND DELINEATION MANUAL. JURISDICTIONAL WETLANDS WERE IDENTIFIED AND DELINEATED USING THE ROUTINE DETERMINATIONS METHOD AS OUTLINED IN THE MANUAL. THE DELINEATION WAS DONE BY:

CHRISTOPHER R. BERRY, NHDES SUBSURFACE SYSTEMS DESIGNER #1886

### CAUTION !!!!

ANY DEVIATION FROM THIS PLAN IN GRADE OR LOCATION OF THE SEPTIC SYSTEM WHEN CONSTRUCTED WITHOUT THE APPROVAL OF THE DESIGNER AND NH-DES SUBSURFACE SYSTEMS BUREAU MAY RESULT IN THE FAILURE OF THE SYSTEM TO PASS INSPECTION BY NH-DES SUBSURFACE SYSTEMS BUREAU PRIOR TO OPERATION APPROVAL, OR FUNCTION PROPERLY AND SAFELY.

GRAPHIC SCALE

30 0 10 20 40 80
( IN FEET )
1 inch = 20 ft.

### NOTES:

1.) OWNER: DOMUS DEVELOPERS INC.
11 WHITEHORSE DRIVE
RYE, NH 03870

2.) DESIGNER: CHRISTOPHER R. BERRY, PERMIT #1886
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825

3.) TAX MAP 6, LOT 22-2

4.) LOT AREA: 128,021 Sq.Ft., 2.89 Ac.

5.) S.C.R.D. BOOK 5977, PAGE 2799

6.) SUBDIVISION STATUS: #SA2020000103

7.) FOUNDATION DRAINS WILL START AT LEAST 15' FROM THE LEACH FIELD, AND AT LEAST 5' FROM THE SEPTIC TANK.

8.) THERE IS NO SURFACE WATER OR VERY POORLY DRAINED SOILS WITHIN 50', OR VERY POORLY DRAINED SOILS WITHIN 75' OF THE PROPOSED SEPTIC SYSTEM.

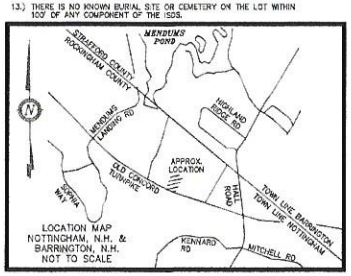
9.) THIS DESIGN DOES NOT ALLOW FOR THE USE OF A GARBAGE GRINDER. IF A GRINDER IS TO BE INCORPORATED A LARGER SEPTIC TANK WILL BE REQUIRED.

10.) THIS DESIGN DOES NOT ALLOW FOR THE ACCEPTANCE OF WATER TREATMENT BACKWASH. IF A WATER TREATMENT SYSTEM IS TO BE INCORPORATED A LARGER LEACHFIELD WILL BE REQUIRED.

11.) IN THE EVENT A DISCREPANCY IS FOUND ON THIS PLAN, THE DESIGNER SHOULD BE CONTACTED IMMEDIATELY AT 603-332-2863 TO DISCUSS AN APPROPRIATE PLAN OF ACTION.

12.) THIS IS NOT A BOUNDARY SURVEY.

13.) THERE IS NO KNOWN BURIAL SITE OR CEMETERY ON THE LOT WITHIN 100' OF ANY COMPONENT OF THE ISDS.




LOCATION MAP
NOTTINGHAM, N.H. & BARRINGTON, N.H.
NOT TO SCALE

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

ADVANCED ENVIRO SEPTIC DESIGN
FOR
DOMUS DEVELOPERS INC.
U.S. ROUTE 4/ OLD TURNPIKE ROAD
NOTTINGHAM, N.H.
*TAX MAP 6, LOT 22-2*


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT RD.
BARRINGTON, N.H. 332-2863


SCALE : 1 IN. EQUALS 20 FT.
DATE : JULY 15, 2021
FILE NO. : DB 2018 – 030

REVIEWED AND APPROVED
IN ACCORDANCE WITH THE REQUIREMENTS OF THE NH DEPT OF ENVIRONMENTAL SERVICES
WATER DIVISION
Date: 8/27/2021
#eCA20210827007