

PROFILE

SCALE: HOR: 1"=20'
VERT: 1"= 5'

NOTES:

- REMOVE ALL TOPSOIL BEFORE PLACING FILL ON SITE
- ALL SLOPES SHALL BE COVERED WITH A MINIMUM OF A 3" LAYER OF LOAM WHICH SHALL BE SEEDED.
- IN THE EVENT OF A SYSTEM FAILURE THIS SYSTEM MUST BE REBUILT IN THE SAME PLACE USING THE SAME DESIGN DATA OR A NEW SITE TESTED AND NEW DESIGN SUBMITTED.
- HYDRAULIC CEMENT SHALL BE UTILIZED WHEN A SEALANT IS NECESSARY
- THE PROTECTIVE WELL RADIUS MUST BE CONTAINED COMPLETELY ON SITE WHEN POSSIBLE AND THE WELL MUST BE A MINIMUM OF 75' FROM THE LEACH FIELD. THE RADIUS MAY BE REDUCED TO 50' FROM THE TANK IF:
 - SDR 26 PIPE OR EQUAL IS USED, AND ALL CONNECTIONS BETWEEN THE SEPTIC TANK AND THE PIPES LEADING TO AND EXITING FROM THE SEPTIC TANK ARE SEALED WITH A WATERTIGHT, FLEXIBLE JOINT CONNECTOR (Env-Vq-1010.09 (a)).
 - THE TANK IS EITHER MADE FROM PLASTIC OR COATED WITH A SEALANT TO PREVENT INFILTRATION AND EXFILTRATION (Env-Vq-1008.04 (c)(2)) IF THE REQUIRED DISTANCES CAN NOT BE MET, A COPY OF A RECORDED WELL RELEASE (Env-Vq-1008.12) MUST BE INCLUDED WITH THE APPLICATION. IF AN EXISTING ON-SITE WELL IS PRE 1989 A RECORDED WELL RELEASE IS NOT REQUIRED.
- AS PART OF THIS DESIGN, THIS DESIGNER DOES NOT ALLOW GARBAGE DISPOSALS, WATER SOFTENER BACKWASH, HOT TUBS, OR WHIRLPEDS BE DISCHARGED INTO THIS SEPTIC SYSTEM. IF A GARBAGE DISPOSAL UNIT IS OR WILL BE INSTALLED, THE SEPTIC TANK CAPACITY SHALL BE INCREASED BY 50%. (Env-Vs 1010.01 (f)) IF THE USE OF A WATER SOFTENER IS REQUIRED IT IS SUGGESTED THE DISCHARGE BE TO A ALTERNATE DISPOSAL SYSTEM SUCH AS A MINI-DRYWELL OR STONE AND PIPE TRENCH (Env-Vs 1022.04 (c)) OR THE CAPACITY OF THE FIELD SHOULD BE ADJUSTED TO ALLOW FOR THE ADDITIONAL DISCHARGE. (Env-Vs 1022.04 (a))
- WHEN THE USE OF FOUNDATION DRAINS IS REQUIRED, THE DRAIN OUTLET MUST BE A MINIMUM OF 35' FROM THE LEACH FIELD, DRYWELL OR SEPTIC TANK. (Env-Vs 1008.04 MINIMUM DISTANCE TABLE 1008-2) THE EFFLUENT DISPOSAL AREA MAY BE CLOSER THAN 25', AND THE TANK CLOSER THAN 10', TO THE FOUNDATION DRAIN WHEN THE BASEMENT SLAB IS HIGHER THAN THE FINISH GRADE OF THE EFFLUENT DISPOSAL AREA (Env-Vs 1014.15).
- SEPTIC TANK SHOULD BE PUMPED AT LEAST EVERY 3 YEARS, OR MORE OFTEN IF SYSTEM USAGE IS HEAVY.

ADVANCED ENVIRO-SEPTIC MATERIALS LIST

28	EA-	10' SECTIONS OF ADVANCED ENVIRO-SEPTIC PIPE
14	EA-	OFFSET ADAPTERS
0	EA-	END CAPS
21	EA-	SPLIT COUPLINGS

**EXPANDED PLAN
ADVANCED ENVIRO-SEPTIC PIPE**

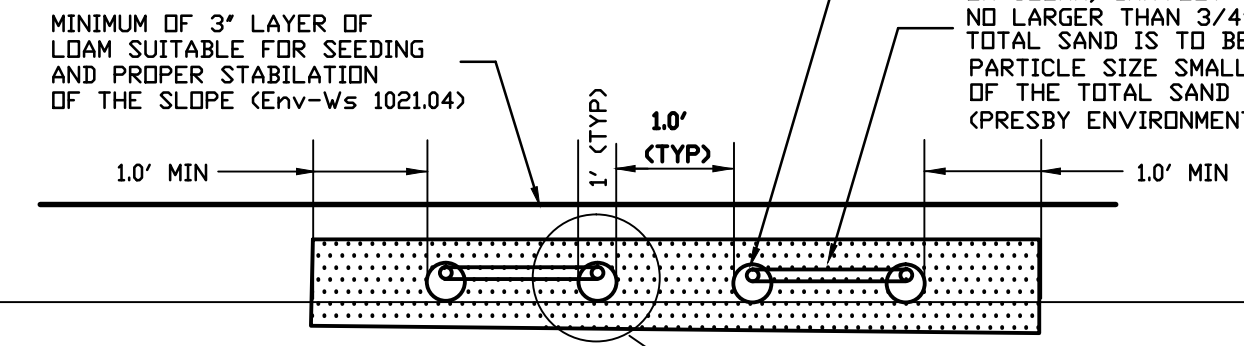
NOT TO SCALE

LENGTH AND NUMBER OF LINES VARY WITH DESIGN

SYSTEM SAND MUST EXTEND A MINIMUM OF 1.0' BEYOND THE ENVIRO-SEPTIC PIPES ON ALL SIDES, 1.0' ON THE DOWN HILL SIDE, AND 0.5' UNDER AND OVER THE PIPES.

(28 EA) 10' SECTIONS OF 12" ROUND ADVANCED ENVIRO-SEPTIC LEACHING PIPE TO BE INSTALLED AS AN "IN GROUND" LEACH BED OF 7 SEPARATE LINES. LEACH LINES TO BE LAID LEVEL. SUPPLIER OF ADVANCED ENVIRO-SEPTIC PIPE IS TO BE PRESBY ENVIRONMENTAL, OF WHITEFIELD, NH AT 1-800-473-5298 OR AN AUTHORIZED DISTRIBUTOR.

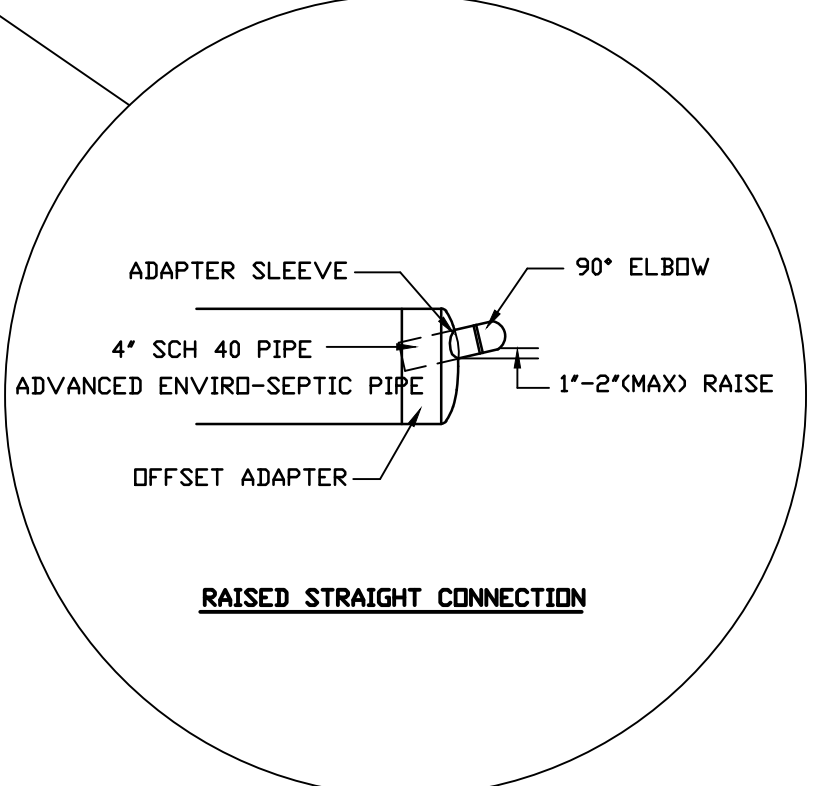
(ASTM STANDARD C-33 WASHED CONCRETE SAND "SYSTEM SAND" OR CLEAN, GRAVELLY COARSE SAND WITH 35% OR LESS GRAVEL NO LARGER THAN 3/4" IN DIAMETER AND 40% TO 90% OF THE TOTAL SAND IS TO BE COARSE TO VERY COARSE WITH NO PARTICLE SIZE SMALLER THAN 0.075MM AND NO MORE THAN 2% OF THE TOTAL SAND MAY PASS THE #200 SIEVE. (PRESBY ENVIRONMENTAL, INC STANDARD) (Env-Vs 1021.03(a))



**SECTION THRU BED
LEVEL "IN-GROUND" BED**

NOT TO SCALE

2.0' TO SHWT ALLOWED WITH THE USE OF ADVANCED ENVIRO-SEPTIC PIPES.



DESIGN DATA

- PROPOSED 4 BEDROOM HOUSE WITH FULL BASEMENT & FOUNDATION DRAINS
- PERC RATE: 4 MIN/IN
- LEACH BED REQUIREMENTS
REQUIREMENTS 825 SF (OR 280 LINEAR FEET MINIMUM OF ADVANCE ENVIRO-SEPTIC PIPE PER PRESBY MANUAL)
PROVIDED 880 LINEAR FEET OF ADVANCE ENVIRO-SEPTIC PIPE
BED SIZE 40' x 13'
- NEAREST WELL 100'+
NEAREST SURFACE WATER 125'+
NEAREST SEPTIC SYSTEM 100'+
- ALL CONCRETE PRODUCTS TO BE BY WASHBURN VAULT CO INC, 603-256-6891 OR EQUAL.
SEPTIC TANK TO BE 1750 (2) COMPARTMENT
DIST. BOX TO BE NONE
PUMP CHAMBER TO BE NONE

DESIGN INTENT

THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 96.0 AND SHALL BE APPROXIMATELY 2.0' BELOW THE ORIGINAL GRADE AT THE HIGH CENTERLINE.
2.0' TO SHWT ALLOWED WITH THE USE OF ADVANCED ENVIRO-SEPTIC PIPE

SOIL TYPE

- 526A-CAESAR LDAMY SAND
0-3 PERCENT SLOPES
- PERC TEST (4/1/19) BY T.E. FOREST
 - #1- 2 MIN/IN AT 70' TO 80'
 - #2-
 - TEST PITS (4/1/19) BY T.E. FOREST
 - TEST PIT #1
 - 2" RAIN OVER LAST 36 HRS.
 - 10YR 3/3, DB, MOIST, FSL (TOPSOIL)
 - TEST PIT #2
 - 10YR 4/4, DYB, MOIST, LOOSE, LFS
 - TEST PIT #3
 - 2.5' 5/6, LDB, MOIST, LOOSE, F-H SAND W/ TRACE FINE GRAVEL
- ESHWT @ 80'+
NO VISABLE SHWT
- BOTTOM OF HOLE
NO LEDGE
NO OBSERVED WATER

2' TO SHWT AND 2.5' TO LEDGE

NOTE: ADVANCED ENVIRO-SEPTIC WASTEWATER TREATMENT SYSTEMS ARE APPROVED BY NHDES AS ITA #2010-07-01 IN ACCORDANCE WITH PART ENV-VS 1024. THE SYSTEM IS DESIGNED IN ACCORDANCE WITH THE NEW HAMPSHIRE ADVANCED ENVIRO-SEPTIC MANUAL. THIS ITA APPROVAL ALLOWS THE BOTTOM OF THE ADVANCED ENVIRO-SEPTIC LEACHING PIPE TO BE AS CLOSE AS 2.0' TO THE SEASONAL HIGH WATER TABLE AND 2.5' TO LEDGE. VENTING IS MANDATORY FOR ALL AES SYSTEMS.

CONSTRUCTION NOTES:

- ANY AND ALL CHANGES TO THIS PLAN MUST BE REPORTED TO THE DESIGNER.
- DESIGNER IS NOT RESPONSIBLE FOR SYSTEM FAILURE DUE TO IMPROPER INSTALLATION.
- THIS PLAN DOES NOT CONSTITUTE A BOUNDARY SURVEY. THE INSTALLATION CONTRACTOR SHALL VERIFY ALL PROPERTY LINES, BUILDING SET BACK DISTANCES AND FOUNDATION LOCATION AND ELEVATION WITH THE PROPERTY OWNER AND OR THE GENERAL CONTRACTOR IN CHARGE OF THIS PROJECT.

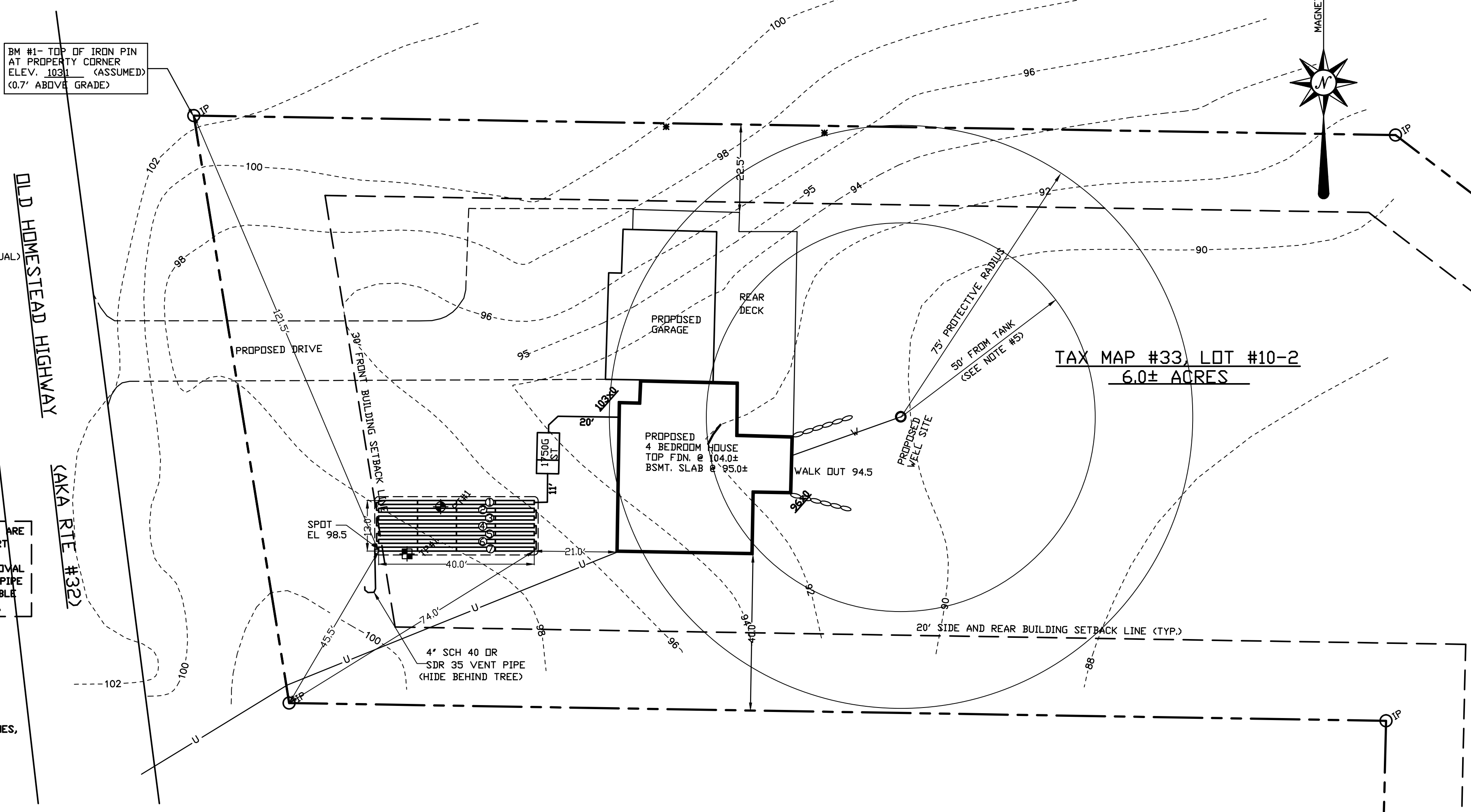
GENERAL WETLANDS NOTE:

THERE ARE NO JURISDICTIONAL WETLANDS WITHIN 75' FOR VERY POORLY DRAINED SOILS (HYDRIC 'A') OR 50' FOR POORLY DRAINED SOILS (HYDRIC 'B'), OR ANY PART OF THIS PROPOSED SEWAGE DISPOSAL SYSTEM. (Env-Vs 1014.03(a))

TECHNICAL WETLANDS NOTE:

WETLANDS WERE DELINEATED ON THE BASIS OF HYDROPHYTIC VEGETATION, HYDRIC SOILS, AND WETLANDS HYDROLOGY IN ACCORDANCE WITH THE TECHNIQUES OUTLINED IN THE "CORPS OF ENGINEERS WETLANDS MANUAL, TECHNICAL REPORT Y-87-1, JANUARY 1987. THE HYDRIC SOIL COMPONENT WAS DETERMINED BY USING THE "FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 2", 1998.

NOTE: THERE IS NO KNOWN BURIAL SITE OR CEMETERY ON THE LOT WITHIN 100 FEET OF ANY COMPONENT OF THE ISDS.



TOWN OF SWANZEY STATEMENT REQUIRED:

THROUGH THE USE OF THE SOIL CONSERVATION SERVICE MAPS AND FROM ACTUAL FIELD DATA, I HAVE DETERMINED, TO THE BEST OF MY ABILITY, THAT THERE ARE NO WETLAND SOILS WITHIN 125' OF THIS PROPOSED SEPTIC SYSTEM.

THOMAS E. FOREST, DESIGNER #342

SITE PLAN

SCALE: 1"= 20'

WAIVERS

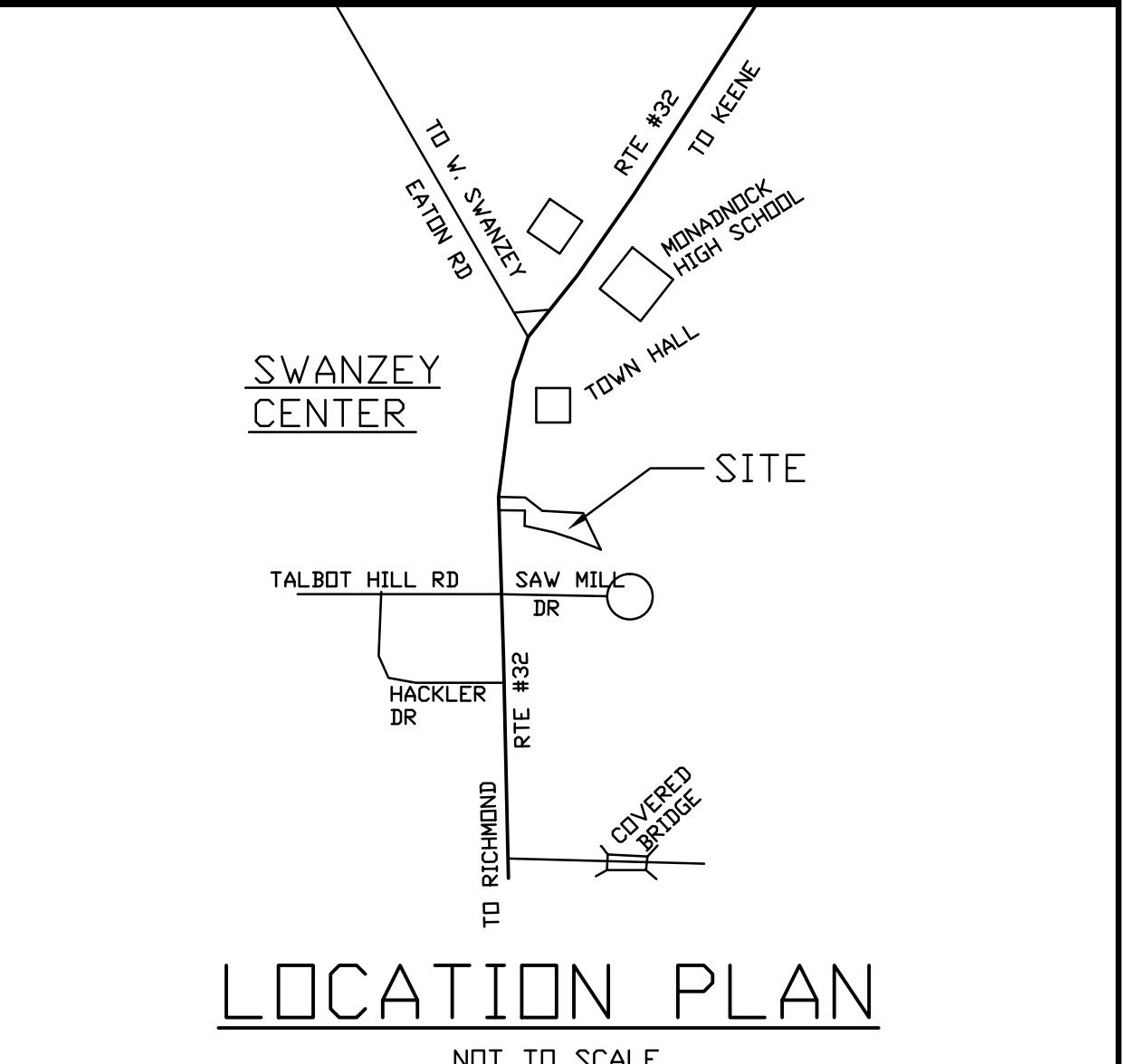
NO WAIVERS REQUESTED
RECORDED WELL RELEASE REQUIRED

APPROVALS

SUBDIVISION APPROVAL # N/A LOT 5+ ACRES
PREVIOUS APPROVAL FOR CONSTRUCTION # CA2006078527

DEED REFERENCE

CCRD BOOK 3055 PAGE 345



PROJECT: PROPOSED SEWAGE DISPOSAL SYSTEM
TAX MAP #33, LOT #10-2
OLD HOMESTEAD HWY., SWANZEY

FOR: MATTHEW D. & SAMANTHA S. O'NEIL
21 PARTRIDGEBERRY LANE
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603-209-3275

FOREST designs

REGISTERED DESIGNER OF SEWAGE DISPOSAL SYSTEMS

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DESIGNER OF Subsurface Disposal Systems

THOMAS E. FOREST No. 342

NEW HAMPSHIRE Dept. of Supply & Pollution Control

REVISIONS: #1-9/16/19, ADDED THE POINT FROM HOUSE	APPROVAL #	SHEET # 1 OF 1	DATE 7/4/19	JOB # 19-128
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REVIEWED AND APPROVED
IN ACCORDANCE WITH THE REQUIREMENTS OF THE NH DEPT OF ENVIRONMENTAL SERVICES WATER DIVISION

Date: 9/16/2019

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