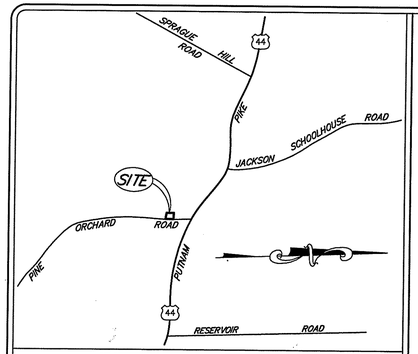


LOCATION PLAN

SCALE: 1" = 2,000'

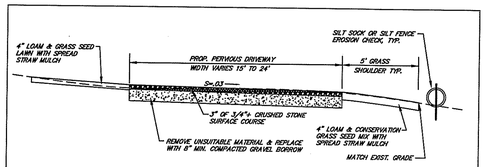
GENERAL NOTES

1. SITE WILL BE SERVICED BY A PRIVATE WELL.
2. THE AREA OF THE SITE TO BE RE-DEVELOPED LIES WITHIN SPECIAL FLOOD HAZARD ZONE X (AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD). A SMALL PORTION OF THE SITE WITHIN JURISDICTIONAL WETLANDS LIES WITHIN SPECIAL FLOOD HAZARD ZONE X (SHADED) (AREAS OF 0.2% ANNUAL CHANCE FLOOD). SEE FLOOD INSURANCE RATE MAP #44007C0140G EFFECTIVE DATE MARCH 2, 2009.
3. TOPOGRAPHY AND ELEVATIONS SHOWN ARE FROM AN ON-SITE SURVEY PERFORMED IN AUGUST 2018. THE PROJECT COORDINATE SYSTEM AND VERTICAL DATUM WERE ASSUMED.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE ONLY. UTILITY INFORMATION IS NOT ACCURATE OR COMPLETE, AND IS SUBJECT TO SUCH REVISIONS AND CHANGES AS ADDITIONAL DATA MAY DISCLOSE. ANY PLANNED EXCAVATION MUST BE PRECEDED BY CONTACTING "DIG-SAFE" FOR ACCURATE LAYOUT OF EXISTING UTILITIES.
5. REFER TO SOIL EVALUATION APPLICATION #1813-1185 DATED AUGUST 4, 2018.
6. THERE ARE NO EXISTING OR PROPOSED PUBLIC WATER SUPPLY SOURCES WITHIN 500' OF PROPOSED LOTS OTHER THAN THOSE SHOWN ON PLAN.
7. THERE ARE NO EXISTING OR PROPOSED SEWAGE DISPOSAL SYSTEMS WITHIN 100' OF THE PROPOSED SEWAGE DISPOSAL SYSTEM OTHER THAN THOSE SHOWN ON THE PLAN.
8. THERE ARE NO EXISTING OR PROPOSED INDIVIDUAL WATER SUPPLIES WITHIN 200' OF THE PROPOSED SEWAGE DISPOSAL SYSTEM OTHER THAN THOSE SHOWN ON THE PLAN.
9. SILT SOCK, STRAW BALE OR SILT FENCE EROSION CHECKS SHALL BE INSTALLED AT ALL LIMITS OF DISTURBANCE PRIOR TO EARTH DISTURBING ACTIVITIES AND SHALL BE MAINTAINED UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND EROSION CONTROLS.
10. ALL DISTURBED AREAS SHALL BE STABILIZED WITH 4" LOAM AND SEED OR SOD, PROPOSED SLOPES SHALL BE 3:1 (MAXIMUM).
11. ALL WORK SHALL BE PERFORMED IN STRICT CONFORMANCE WITH THE REQUIREMENTS OF ALL R.I.D.E.M. PERMITS AND BE IN COMPLIANCE WITH ALL TOWN REGULATIONS.
12. ALL IMPROVEMENTS SHALL BE ACCURATELY LOCATED AND STAKED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
13. EACH STAGE OF CONSTRUCTION OF THE ONSITE WASTEWATER TREATMENT SYSTEM MUST BE SUPERVISED BY THE SYSTEM DESIGNER.
14. THE EXISTING WELLS WITHIN THE PROPOSED LEACH FIELD ARE TO BE DECONSTRUCTED AND ABANDONED. THE FORMER WELL AREAS SHALL BE FILLED WITH GRAVEL MEETING THE REQUIREMENTS OF RULE 32.12. THE GRAVEL SHALL BE PLACED IN SHALLOW LIFTS AND PROPERLY COMPACTED.
15. THE LOCATION OF THE EXISTING CESSPOOL/LEACH FIELD IS APPROXIMATE. ANY AND ALL COMPONENTS OF THAT SYSTEM WHICH ARE RECOVERED SHALL BE DISPOSED OF AT A LICENSED SOLID WASTE FACILITY PER RULE 52.
16. THE EXISTING WETLANDS WERE DELINEATED IN THE FIELD BY NATURAL RESOURCE SERVICES, INC. OF HARRISVILLE, R.I. IN AUGUST 2018. A REPORT OF THEIR FINDINGS IS INCLUDED WITH THIS APPLICATION.
17. PRIOR TO COMMENCEMENT OF ANY SITE ALTERATIONS, PERMANENT BUFFER ZONE MARKERS MUST BE INSTALLED ALONG THE LIMIT OF DISTURBANCE AT THE LOCATIONS INDICATED AS "PM" ON THE APPROVED SITE PLANS, IN ORDER TO PROVIDE PERMANENT-TYPE REFERENCE POINTS ON THE SITE THAT ARE CLEAR TO PRESENT AND FUTURE PROPERTY OWNERS. A PERMANENT TAG OR SIGN LABELED "RIDEM BUFFER ZONE" MUST BE PLACED ON EACH MARKER. NO ALTERATIONS OF ANY KIND ARE PERMITTED BEYOND THESE MARKERS WITHOUT FIRST OBTAINING THE NECESSARY PERMIT FROM RIDEM.

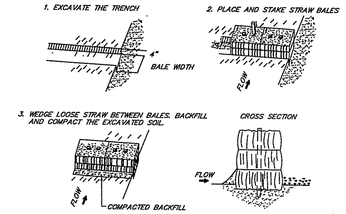
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO.: 18-0294
DATED DEC 6 2018
SEE LETTER OF SAME DATE.

LEGEND

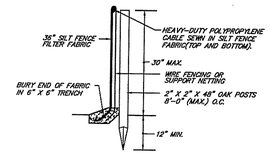
A.P.	ASSESSOR'S PLAT
SQ. FT.	SQUARE FEET
P50	UTILITY POLE WITH GUY ANCHOR
W	PROPOSED/EXISTING WELL
18	SOIL EVALUATION TEST HOLE
91x2	SPOT ELEVATION
	EXISTING CONTOUR
	PROPOSED CONTOUR
	LIMIT OF DISTURBANCE
	INDIVIDUAL TREE
PM	PROPOSED 4"X4" PRESSURE TREATED POST, 24" (MIN.) ABOVE GROUND



CRUSHED STONE ROADWAY & DRIVEWAY DETAIL
NOT TO SCALE



STAKED BALED STRAW EROSION CHECK DETAIL
NOT TO SCALE

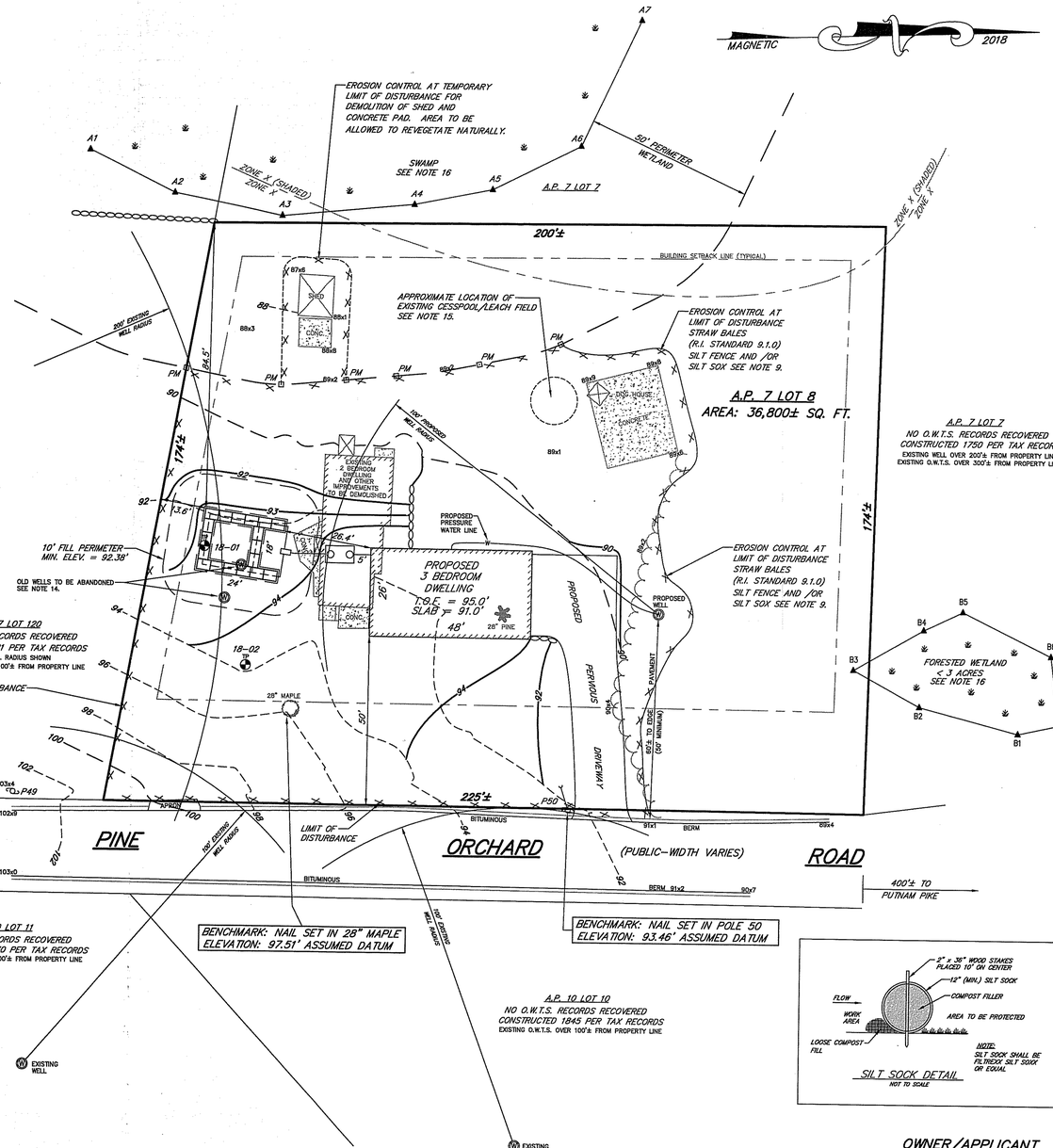


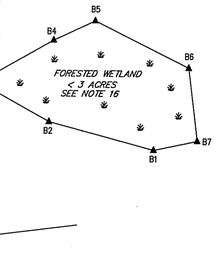
INSTALLATION NOTES:

1. SET POSTS MINIMUM DEPTH 12" AND EXCAVATE 6" x 6" TRENCH UPSLOPE ALONG LINE OF POSTS.
2. STAPLE WIRE FENCING TO THE POSTS.
3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND TO TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.
5. BARRIER HEIGHT NOT TO EXCEED 30". LOCATE 6 FEET FROM TOE OF SLOPE. OVERLAP FILTER FABRIC 6" AT POSTS. POST SPACING MAXIMUM 8 FEET.

SILT FENCE DETAIL
NOT TO SCALE

MAGNETIC 2018





SILT SOCK DETAIL
NOT TO SCALE

OWNER/APPLICANT
POST, LLC
2363 POST ROAD
WARWICK, R.I. 02886
TELEPHONE: (401) 737-3050

HTM, GROUND WATER & LEDGE DEPTH TABLE

TEST PIT	HTM DEPTH	EXISTING GROUND	ORIGINAL GROUND	GROUNDWATER DEPTH	GROUNDWATER ELEVATION	LEDGE DEPTH	LEDGE ELEVATION
18-01	1.2'	92.8'	91.6'	3.0'	88.6'	9.0'	82.6'
18-02	1.5'	93.7'	92.2'	3.5'	88.7'	9.0'	83.2'

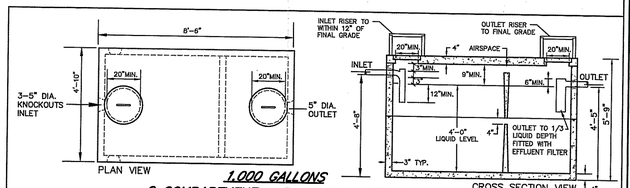
IMPERVIOUS COVERAGE TABLE

EXISTING CONDITIONS		PROPOSED CONDITIONS	
EXISTING DWELLING AND WALKS	1,062± SQ. FT.	PROPOSED DWELLING	1,248± SQ. FT.
SHEDS AND CONCRETE PADS	771± SQ. FT.	REMAINING CONCRETE PAD	562± SQ. FT.
TOTAL IMPERVIOUS AREA	1,833± SQ. FT.	TOTAL IMPERVIOUS AREA	1,810± SQ. FT.

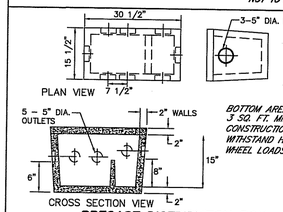
PROPOSED IMPERVIOUS AREA IS 23± SQ. FT. LESS THAN EXISTING IMPERVIOUS AREA. THIS IS BELOW THE 600 SQ. FT. MINIMUM REQUIRED FOR DRAINAGE MITIGATION.

DESIGN CRITERIA

SEWAGE FLOW - 3 BEDROOMS - 115 GALLONS PER BEDROOM UNIT
PERCOLATION RATE - SOIL CATEGORY 6m - .70 GALLONS/SQ. FT./DAY
TOTAL DAILY FLOW:
115 GALLONS/DAY/BEDROOM - 115 X 3 = 345 GALLONS PER DAY
MINIMUM REQUIRED LEACH FIELD AREA:
345 GALLONS PER DAY (MAX.) ÷ .70 GALS/SQ. FT./DAY = 493 SQ. FT.
LEACH FIELD AREA PROVIDED: 18 ELJEN UNITS X 4 X 7 = 504 SQ. FT.
LEACH FIELD DESIGN POINT: ELEVATION 91.6'± ORIGINAL GROUND

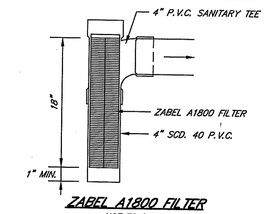


1,000 GALLONS
2 COMPARTMENT ~ PRECAST SEPTIC TANK
NOT TO SCALE



PRECAST DISTRIBUTION BOX
NOT TO SCALE

BOTTOM AREA TO BE 3 SQ. FT. MINIMUM CONSTRUCTION TO WITHSTAND HS-20 WHEEL LOADS

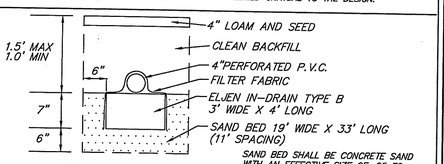


ZABEL A1800 FILTER
NOT TO SCALE

DESIGN AND CONSTRUCTION NOTES:

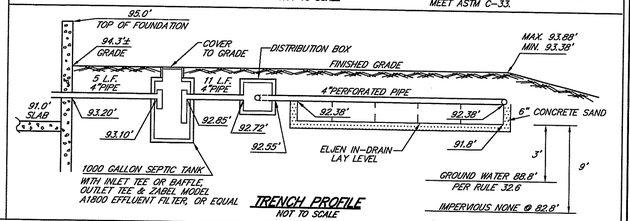
1. ALL WORK SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT RULES AND REGULATIONS, AS AMENDED.
2. THE TOP OF FOUNDATION ELEVATION SHOWN HAS BEEN DESIGNED FOR O.W.T.S. PURPOSES ONLY. THE OWNER AND/ OR CONTRACTOR IS ADVISED TO DETERMINE WHETHER THE BASEMENT FLOOR OF THE PROPOSED DWELLING IS AT OR BELOW THE GROUND WATER TABLE AND, IF SO, RAISE THE FOUNDATION ACCORDINGLY.
3. THE CONTRACTOR SHALL NOTIFY THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THIS SITE PLAN. THE DESIGNER MUST PERFORM ALL NECESSARY INSPECTIONS, BOTH DURING AND AFTER INSTALLATION, BEFORE ANY COMPONENT OF THE SYSTEM IS COVERED.
4. THE PROPERTY BOUNDARIES SHOWN HEREON HAVE BEEN COMPILED FROM MAPS, DEEDS, AND OTHER SOURCES OF INFORMATION, AND ARE SUBJECT TO SUCH MODIFICATIONS AS AN ACTUAL BOUNDARY SURVEY MAY DISCLOSE. TO THE EXTENT THAT SUCH BOUNDARIES ARE CRITICAL TO THE O.W.T.S. LOCATION, THEY MUST BE ESTABLISHED PRIOR TO CONSTRUCTION.
5. ALL TREES, STUMPS, AND BRUSH WITHIN A 10' PERIMETER AROUND THE SYSTEM MUST BE CLEARED.
6. THE EXCAVATION SHALL BE LEVEL AND SCARIFIED.
7. ALL TOPSOIL AND SUBSOIL WITHIN A 5' PERIMETER OF THE SYSTEM SHALL BE STRIPPED AND BACKFILLED WITH CLEAN, COARSE GRAVEL. EXCAVATION INTO IMPERVIOUS MATERIAL IS PROHIBITED UNLESS OTHERWISE APPROVED BY THE DIRECTOR.
8. MAINTAIN TRENCH INVERT ELEVATION FOR 10' BEYOND THE PERIMETER OF THE LEACHING FIELD. THE ADJACENT SIDE SLOPE SHALL NOT BE STEEPER THAN 3:1 FOR A 25' MIN. DISTANCE FROM THE EDGE OF LEACH FIELD. MAINTAIN 5' TO PROPERTY LINE FROM TOE OF 3:1 SIDE SLOPE .
9. INSTALL CAST IRON PIPE OR EQUIVALENT FROM THE FOUNDATION TO THE SEPTIC TANK. ALL OTHER PIPES MUST BE SDR 35 P.V.C. OR EQUIVALENT.
10. SUBSURFACE DRAINS AND WATER SUPPLY LINE TO BE INSTALLED IN CONFORMANCE WITH DISTANCES SPECIFIED IN TABLE 22.1.
11. ALL KNOWN EXISTING AND PROPOSED PUBLIC WATER SUPPLY WELLS WITHIN 500' OF THE SYSTEM ARE SHOWN; ALL KNOWN EXISTING AND PROPOSED PRIVATE WELLS WITHIN 200' OF THE SYSTEM ARE SHOWN; ALL KNOWN EXISTING AND PROPOSED SEPTIC SYSTEMS WITHIN 100' OF THE WELL ARE SHOWN.
12. ALL WORK MUST CONFORM TO THE REQUIREMENTS OF OTHER EXISTING PERMITS, IF ANY.
13. WITH RESPECT TO MUNICIPAL ZONING REQUIREMENTS, THE DESIGNER HAS MADE A REASONABLE EFFORT TO ASCERTAIN THE APPLICABLE DIMENSIONAL SETBACKS AND OTHER CONSTRAINTS TO DEVELOPMENT. DUE, HOWEVER, TO THE POSSIBILITY OF UNRECORDED VARIANCES, NON-CONFORMING USES, AND OTHER RELEVANT DOCUMENTS, IT REMAINS THE RESPONSIBILITY OF THE OWNER TO VERIFY THAT THIS DESIGN SATISFIES LOCAL CODES.
14. ALL STAGES OF CONSTRUCTION MUST BE SUPERVISED BY THE DESIGNER OF RECORD. UNLESS WAIVED BY THE DESIGNER, ALL IMPROVEMENTS MUST BE STAKED BY THE DESIGNER OR HIS AGENTS PRIOR TO CONSTRUCTION. THESE INCLUDE THE O.W.T.S., FOUNDATION, WELL, EROSION CONTROLS, CLEARING LIMITS AND ANY OTHER FEATURES DEEMED CRITICAL TO THE DESIGN.

ELJEN IN-DRAIN LINES:
NUMBER REQUIRED: 18
ELJEN IN-DRAIN TYPE B43
TOTAL LENGTH: 24'
INTERCONNECT ENDS



IN-DRAIN CROSS SECTION
NOT TO SCALE

SAND BED SHALL BE CONCRETE SAND WITH AN EFFECTIVE SIZE OF .25 TO 2.0 MM WITH NO MORE THAN 5% PASSING A #200 SIEVE. MATERIAL MUST MEET ASTM C-33.



TRENCH PROFILE
NOT TO SCALE

SCITUATE SURVEYS, INC.
410 TIOGUE AVENUE
COVENTRY, RHODE ISLAND 02816
401-821-8101
LAND SURVEYING/MAPPING/SITE PLANNING

SCALE IN FEET: 20 10 0 20 40 60

CERTIFICATION
THIS SURVEY WAS BEGUN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS FOR PROFESSIONAL LAND SURVEYORS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

TYPE OF SURVEY	MEASUREMENT SPECIFICATION
NOT A BOUNDARY SURVEY	N/A
TYPE OF BOUNDARY SURVEY	MEASUREMENT SPECIFICATION
DATA ACCUMULATION SURVEY	VERTICAL CONTROL STANDARD V-2
	TOPOGRAPHIC SURVEY ACCURACY T-2

STATEMENT OF PURPOSE
THE PURPOSE OF THIS SURVEY WAS TO CONDUCT A DATA ACCUMULATION SURVEY, AND TO COLLECT TOPOGRAPHIC AND PHYSICAL FEATURE LOCATION DATA FOR ON-SITE WASTEWATER TREATMENT SYSTEM DESIGN.

PROFESSIONAL LAND SURVEYOR NO. 1762
IF THIS MAP BORES THIS SEAL AND SIGNATURE, CONTINUED USE NOT STAMPS, THEN IT IS NOT AN AUTHORITATIVE VERSION.

© SCITUATE SURVEYS, INC. CSN NO. A30

ANGELO M. RAIMONDI
No. 1762
PROFESSIONAL LAND SURVEYOR

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
NOV 5 2018

PLAN OF PROPOSED IMPROVEMENTS TO
ASSESSOR'S PLAT 7 LOT 8
7 PINE ORCHARD ROAD
GLOCESTER, RHODE ISLAND
PREPARED FOR: POST, LLC

SCALE: 1"=20' DATE: OCTOBER 24, 2018 REVISION:

PROJECT NO.: SS2872
DRAWING NO.: SS4559

SHEET 1 OF 1