

ZABEL A1800 EFFLUENT FILTER
NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO. 18-0003
DATED FEB 06 2018
SEE LETTER OF SAME DATE.

Spartin D. Wencsek

LEGEND & SYMBOLS

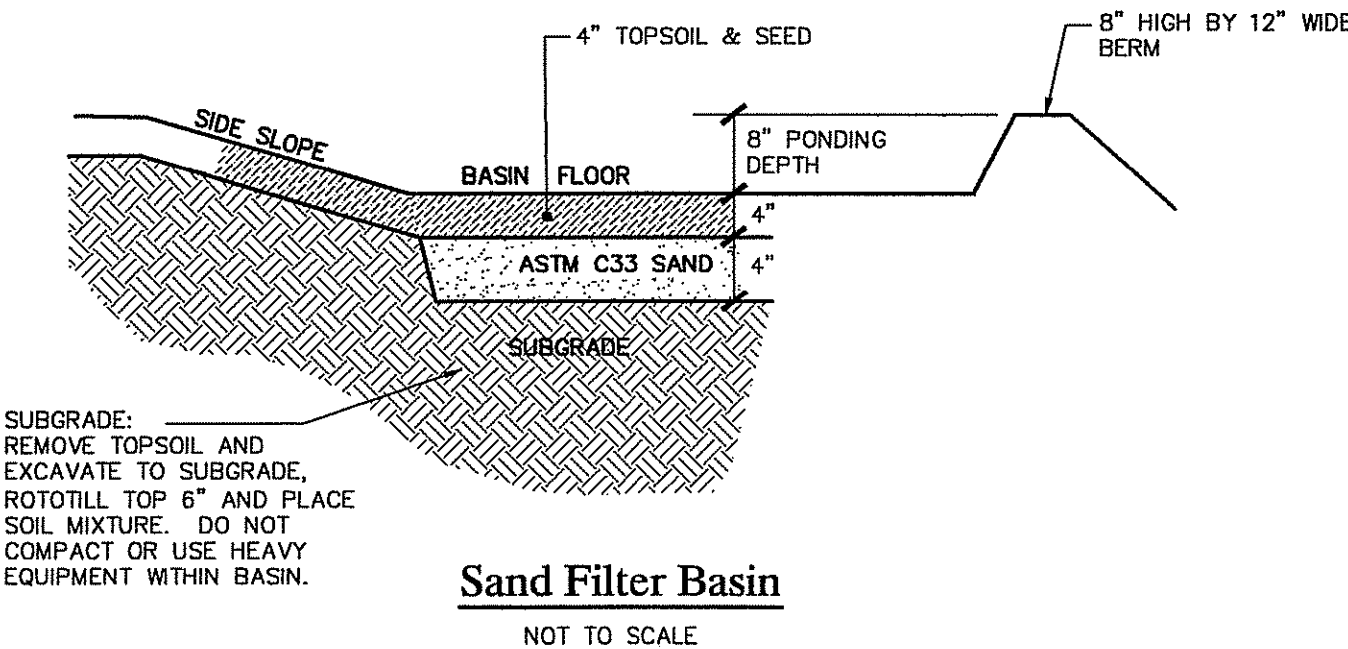
- EXISTING**
- CONTOUR
 - STONEWALL
 - ▲ LEDGE TESTPIT
 - SOIL EVALUATION TEST HOLE
 - ▲ FLAGGED WETLAND EDGE
 - STREAM
 - 50' PERIMETER WETLAND
 - 100' RIVERBANK WETLAND
- PROPOSED**
- 100' CONTOUR
 - D DRAIN PIPE
 - W WATER PIPE
 - T.F. TOP OF FOUNDATION
 - B.S. BASEMENT SLAB

LEACHFIELD DESIGN CALCULATION

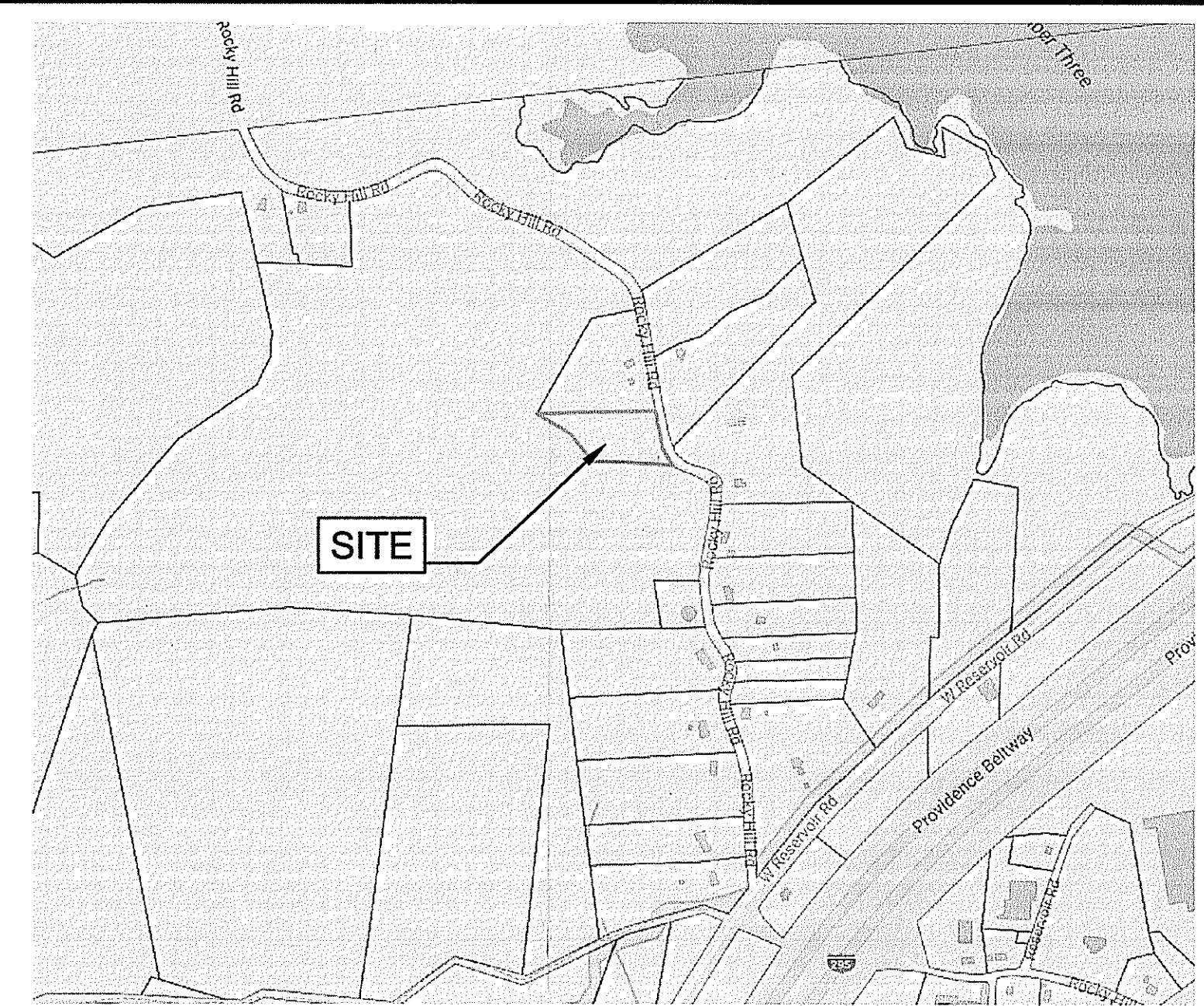
- 4 BEDROOMS X 115 GALLONS PER BEDR./DAY = 460 GALLONS PER DAY
- SOIL CATEGORY 6 = 0.61 GAL./S.F./DAY
- 460 GPD / 0.61 GAL./S.F./DAY = 754 S.F. LEACHING AREA REQUIRED
- 754 S.F. / 28 S.F. PER ELJEN UNIT = 27 ELJENS REQ'D
- TOTAL AREA PROVIDED = 756 S.F. > 754 S.F.

INVERT SCHEDULE

BUILDING SEWER	99.50
SEPTIC TANK IN	99.35
SEPTIC TANK OUT	99.10
D-BOX IN	98.90
D-BOX OUT	98.70
LEACHFIELD INVERT	98.60
BOTTOM OF ELJEN	98.00
BOTTOM OF SAND	97.50
LEACHFIELD STRIP	94.00
SEASONAL HIGH GW	94.00
REFUSAL	88.50



Sand Filter Basin
NOT TO SCALE



LOCUS MAP

General Notes:

1. THE SURVEY AND TOPOGRAPHY SHOWN ON THIS PLAN WAS PREPARED FROM A PLAN ENTITLED, ADMINISTRATIVE SUBDIVISION PROPOSED SITE PLAN, DATED NOVEMBER 2006 (APPROVED ON 2/9/2007), A.P. 48 LOTS 12 & 14B, ROCKY HILL ROAD, SMITHFIELD, RI BY NATIONAL LAND SURVEYORS-DEVELOPERS INC., 42 HAMLET AVE., WOONSOCKET, RI (401) 769-7778.
2. WETLANDS WERE FLAGGED BY MASON & ASSOCIATES, INC. OF 771 PLAINFIELD PIKE, NORTH SCITUATE, RI 02857 ON DECEMBER 13, 2017.
3. SOIL EVALUATIONS SHOWN HEREON WERE CONDUCTED BY THOMAS E. D'ANGELO, DATED 5/18/2016, APPLICATION NO. 1631-0407.
4. THE CONTRACTOR SHALL NOTIFY BIG-SAFE 72 HOURS PRIOR TO START OF CONSTRUCTION.
5. PROPER EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO EARTH DISTURBING ACTIVITIES. THIS SHALL INCLUDE SILT FENCE OR HAYBALES AT ALL DOWN GRADIENT AREAS, INLET PROTECTION OF CATCH BASINS, AND CONSTRUCTION ENTRANCE.
6. THIS SITE LIES WITHIN THE WOONSOCKET RESERVOIR WATERSHED.

Zoning Information

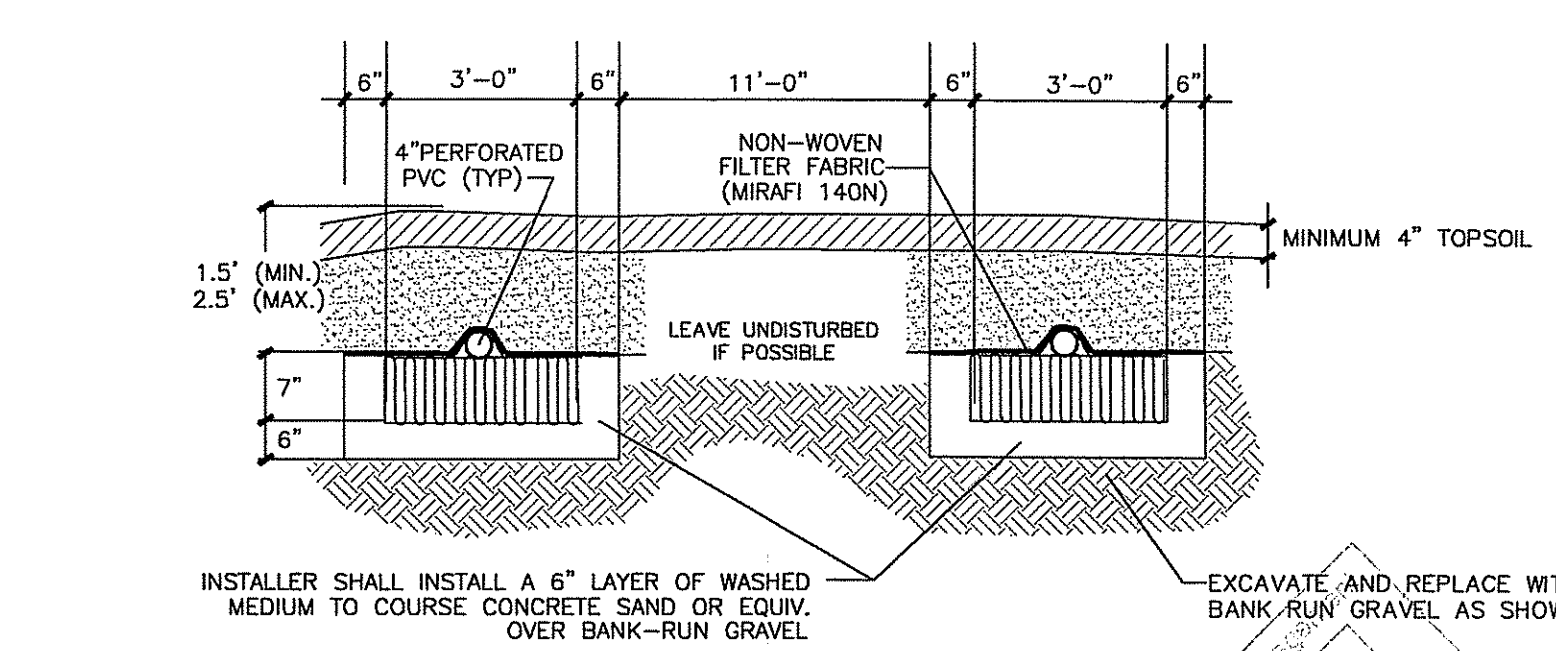
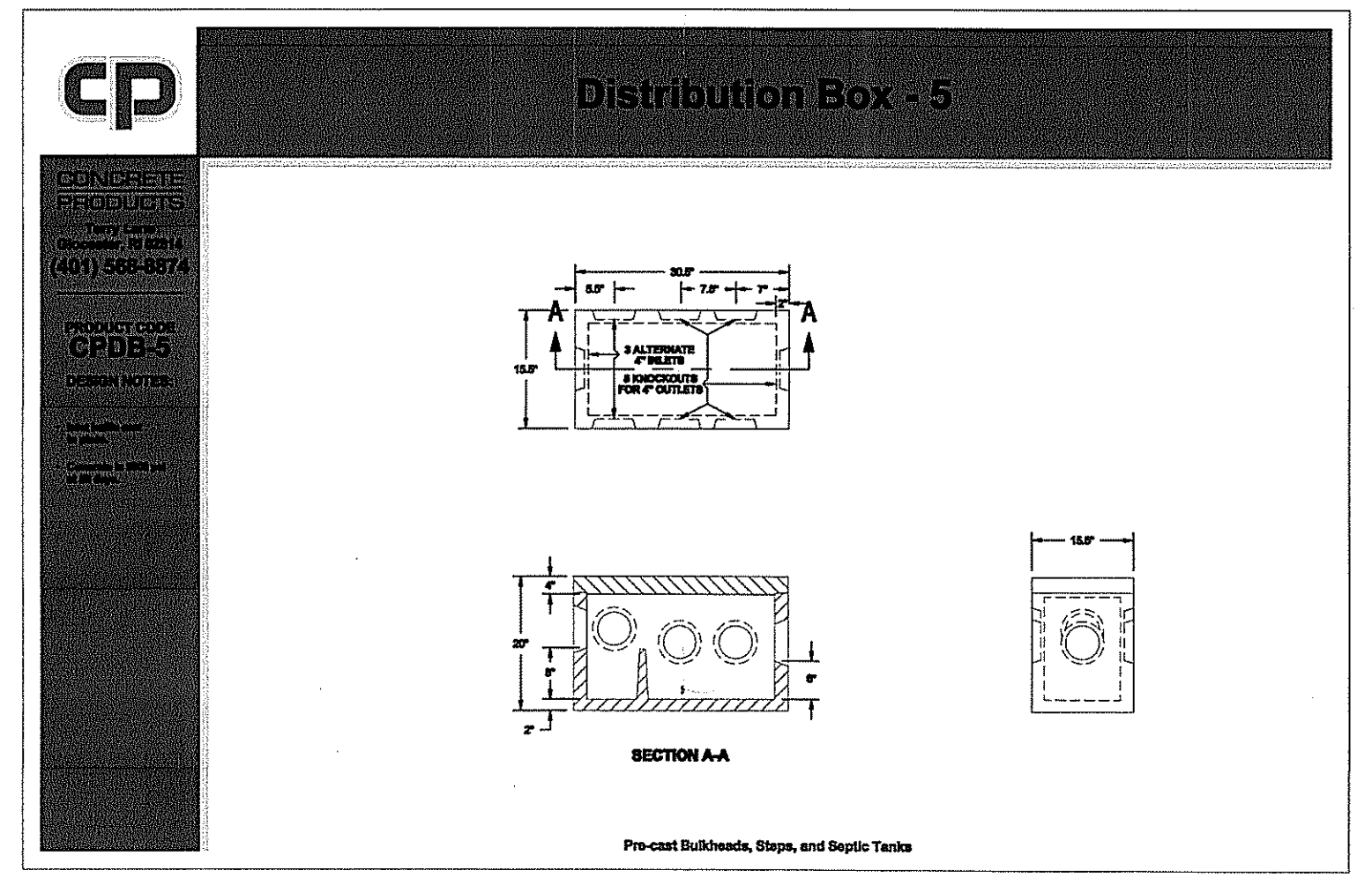
ZONE DESIGNATION	R-80
MINIMUM LOT SIZE	80,000 S.F.
MINIMUM LOT WIDTH	200 FT.
MAX. LOT COVERAGE	25%
MAX. BLDG. HEIGHT	39 FT. (*20' FOR ACCESSORY)

Building Setbacks

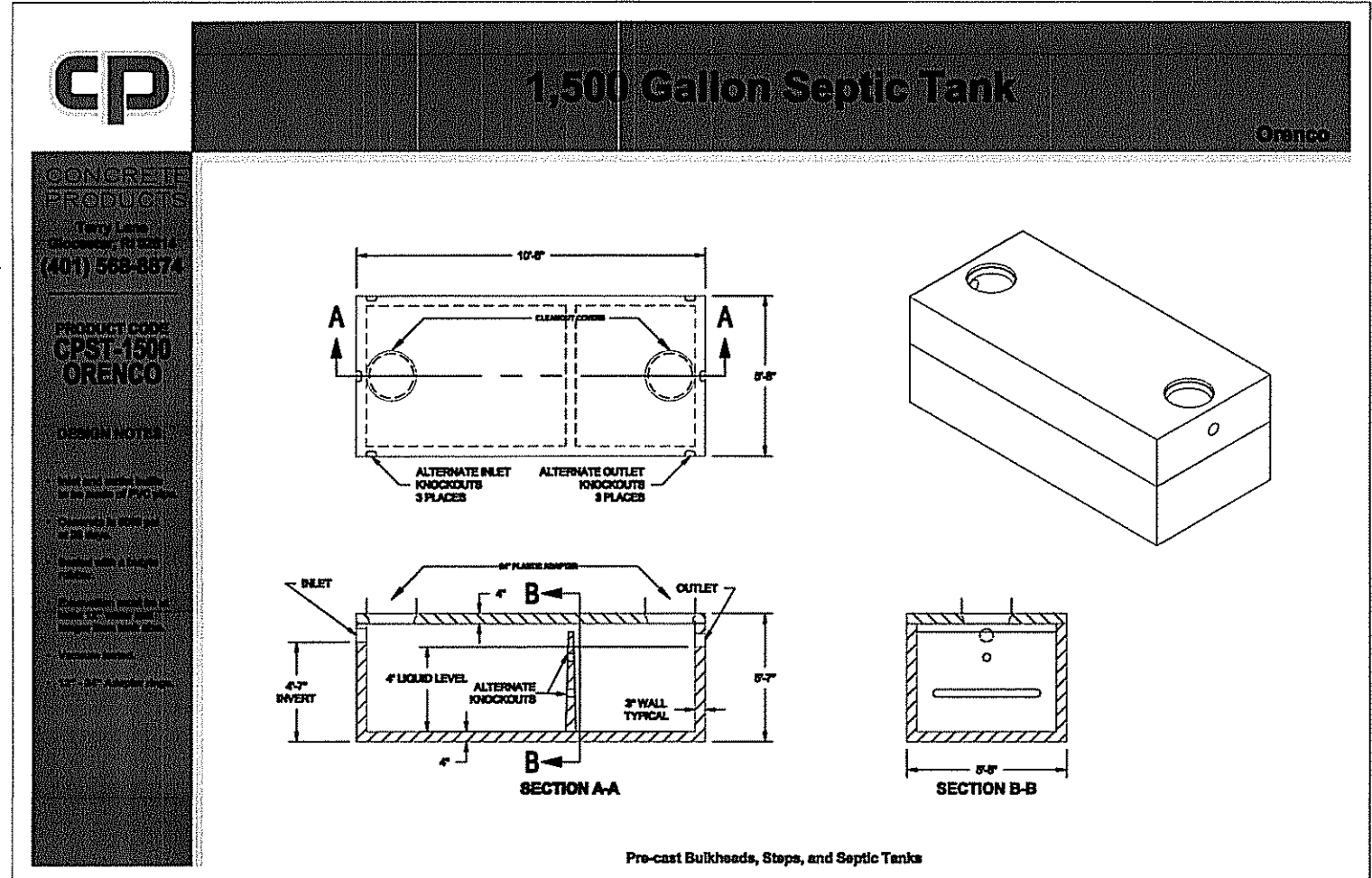
FRONT SETBACK	40'
REAR SETBACK	25'
SIDE SETBACK	75'

OnSite Wastewater Treatment System Notes

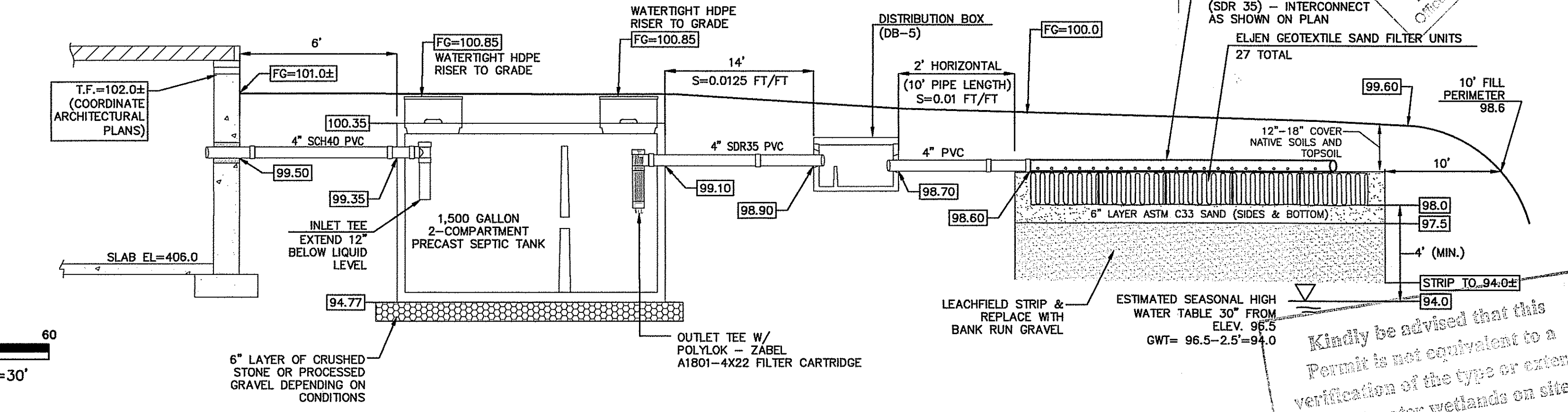
1. ALL DESIGN, CONSTRUCTION, AND MAINTENANCE REQUIREMENTS, WHETHER NOTED HEREON OR NOT, SHALL BE IN CONFORMANCE WITH RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS, JANUARY 1, 2008 AND ALL AMENDMENTS, BY THE RHODE ISLAND DEPT. OF ENVIRONMENTAL MANAGEMENT.
2. STRIP LEACHING AREA AND EXCAVATE DOWN TO ELEVATION 94.0 AT TRENCH LOCATIONS ONLY (IF SOILS ALLOW).
3. OVER-EXCAVATE ALL UNSUITABLE SOILS AND REPLACE WITH GRAVEL AS SPECIFIED IN RIDEM REGULATIONS.
4. INSTALLER MUST ASSURE THAT BOTTOM AND SIDES OF EXCAVATION FOR THE LEACHFIELD ARE NOT COMPACTED OR SWEALED.
5. ALL TREES, STUMPS, AND BRUSH SHALL BE REMOVED WITHIN 10 FEET OF THE SYSTEM.
6. MAINTAIN INVERT ELEVATION OF 98.60 FOR 10 FEET AROUND SYSTEM.
7. THERE ARE NO KNOWN PRIVATE WELLS OR DRAINS EXIST, OR PROPOSED LOCATED WITHIN 200 FEET OF THE OWTS EXCEPT AS SHOWN AND NO KNOWN PUBLIC WELLS (EXIST. & PROP.) LOCATED WITHIN 500 FEET OF THE PROPOSED OWTS.
8. THERE ARE NO KNOWN SUBSURFACE DRAINS, EXISTING OR PROPOSED, WITHIN 50 FEET OF THE PROPOSED OWTS.
9. ALL PVC PIPE SHALL BE 4" DIA. SDR 35 OR EQUIVALENT, UNLESS NOTED OTHERWISE.
10. THE SEPTIC TANK SHALL HAVE TEES ON BOTH THE INLET AND OUTLET AND SHALL BE A TWO (2) COMPARTMENT TANK WITH THE 1ST COMPARTMENT CONSISTING OF 2/3 TANK CAPACITY.
11. THE DISTRIBUTION BOX SHALL HAVE A MINIMUM BOTTOM AREA OF 3 SQUARE FEET.
12. NO VEHICULAR TRAFFIC IS ALLOWED OVER THE LEACHFIELD.
13. THE INSTALLER SHALL CONTACT THE DESIGN OF RECORD AT LEAST 24 HOURS PRIOR TO START OF CONSTRUCTION.



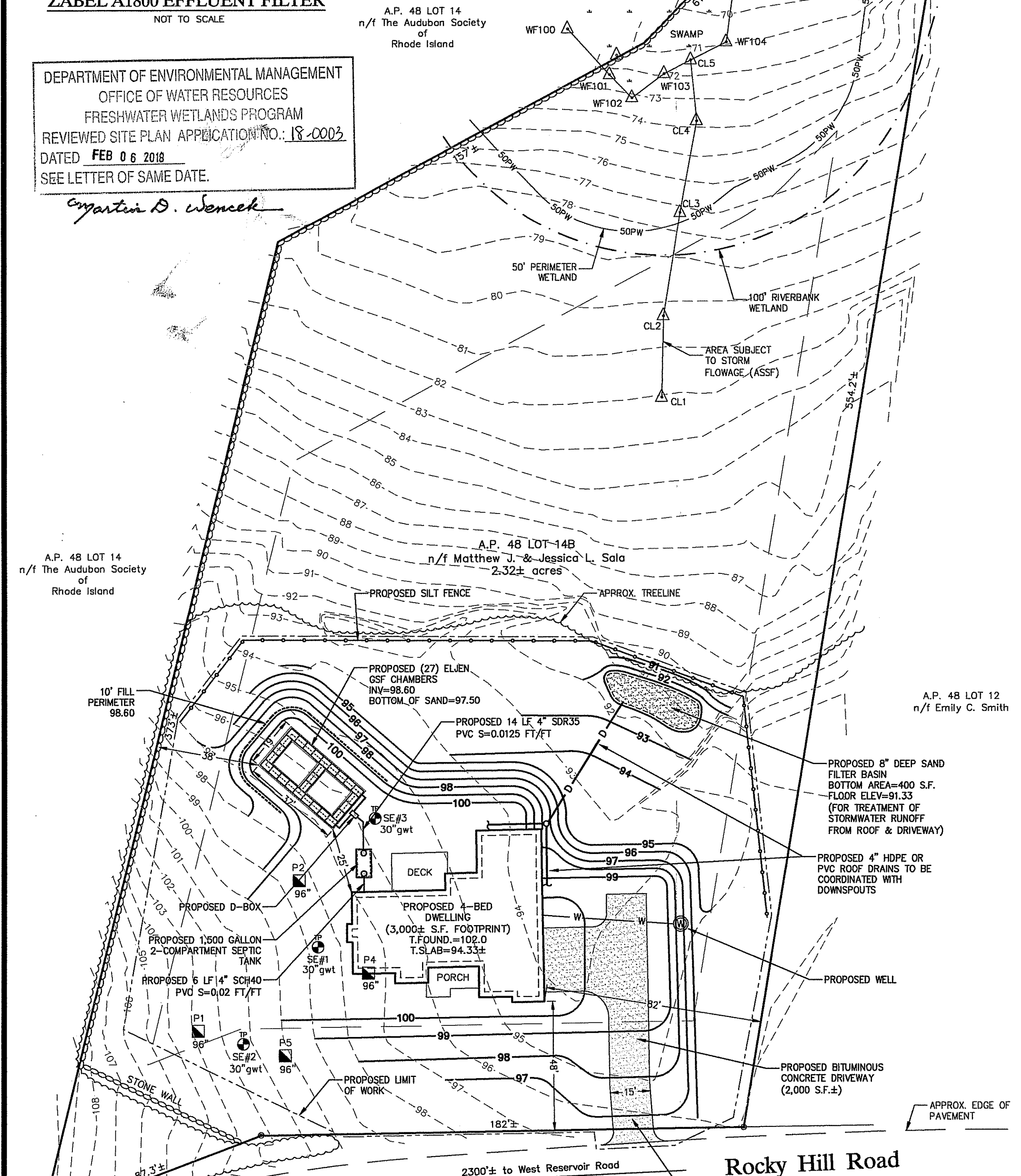
ELJEN GEOTEXTILE SAND FILTER (GSF) CROSS SECTION
NOT TO SCALE



1,500 Gallon Septic Tank
NOT TO SCALE

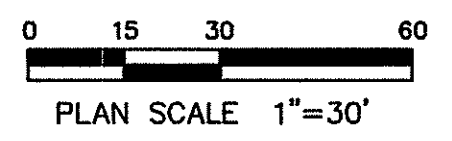


On-Site Wastewater Treatment System Profile
NOT TO SCALE



BENCHMARK NOTE:
THE CONTRACTOR SHALL CONTACT THE DESIGN OF RECORD TO SET A BENCHMARK PRIOR TO START OF CONSTRUCTION

CONTRACTOR TO INSTALL AND MAINTAIN A TEMPORARY CRUSHED STONE ENTRANCE PAD PER TOWN OF SMITHFIELD SOIL & EROSION ORDINANCE



Advanced Civil Design, Inc.
CIVIL ENGINEERS
88 PEEPTOAD ROAD
SCITUATE, RI 02857
PH: (401) 473-4404

NO.	DATE	REVISION

PROJECT:
ON-SITE WASTEWATER TREATMENT SYSTEM PLAN & DETAILS
A.P. 48 LOT 14B
182 Rocky Hill Road
Smithfield, RI 02917

OWNER/APPLICANT:
Matthew J. & Jessica L. Sala
16 Adams Street
Smithfield, RI 02917

DATE: 12/22/2017
SCALE: 1"=30'
DESIGNED BY: C.S.R.
CHECKED BY: C.S.R.
DRAWING NO. 1

CURTIS S. RUOTOLO
No. 8756
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.