

LEGEND

- UTILITY POLE
- EXIST. PAVEMENT EDGE
- EXISTING CONTOUR
- EXISTING WETLAND EDGE
- 50' PERIMETER WETLAND
- EXIST. TREELINE
- PROPOSED WELL LINE
- PROPOSED CONTOUR
- SILT FENCE
- ZONING SETBACKS
- SOIL EVALUATION

ZONING R-20

- MIN. LOT AREA 20,000 SF
- MIN. FRONTAGE 125 FT
- MIN. FRONT YARD 30 FT
- MIN. SIDE YARD 10 FT
- MIN. REAR YARD 30 FT

DESIGN METHODOLOGY

- SOIL CATEGORY 1 = 10 MIN/IN PERC. RATE
- REQUIRED LEACHING AREA:
 - 4 BEDROOMS @ 165 SF/BEDROOM = 660 SF
 - ELJEN IN-DRAIN UNIT: 7 SF/LF x 4 LF = 28 SF/UNIT
 - 660 SF ÷ 28 SF/UNIT = 24 UNITS
- PROVIDED AREA: 24 UNITS X 28 SF/UNIT = 672 SF

INVERT SCHEDULE

DESIGN WATER	TBD
TOP OF FOUNDATION	114.50
BLDG. SEWER @ FND.	XXX.00
TOP OF TANK	XXX.00
SEPTIC TANK IN	XXX.00
SEPTIC TANK OUT	XXX.00
D-BOX IN	XXX.00
D-BOX OUT	XXX.00
ELJEN INVERT	109.58
BOTTOM OF ELJEN	109.00
BOTTOM OF SAND	108.50

ISDS NOTES:

- THE PROJECT SITE IS LOCATED WITHIN FLOOD ZONE C, AREA OF MINIMAL FLOODING, AS REFERENCED ON FIRM PANEL 440013 0010 B, EFFECTIVE JULY 2, 1979.
- ALL SEWAGE DISPOSAL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE "RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF INDIVIDUAL SEWAGE DISPOSAL SYSTEM", PREPARED BY THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, AS AMENDED.
- NO SUBSURFACE OR SURFACE DRAINS, INCLUDING FOUNDATION DRAINS, EXISTING OR PROPOSED, WITHIN 25 FEET OF THE DISPOSAL TRENCHES OR SEPTIC TANK.
- NO WELLS, WETLANDS OR WATER COURSES, EXISTING OR PROPOSED, WITHIN 200 FEET OF THE PROPOSED DISPOSAL SYSTEM, EXCEPT AS SHOWN.
- NO SANITARY DISPOSAL SYSTEM, EXISTING OR PROPOSED, WITHIN 100 FEET OF THE PROPOSED WELL LOCATION.
- NO PUBLIC WELLS ARE PROPOSED WITHIN 500 FEET OF THE PROPOSED DISPOSAL SYSTEM.
- ALL DISTRIBUTION PIPES SHALL BE 4-INCH SOLID WALL PVC, SDR-35 AND 4-INCH PERFORATED PVC, SDR-35.
- THE 5 OUTLET DISTRIBUTION BOX SHALL HAVE A MINIMUM AREA OF 3.0 SQUARE FEET AND HAVE A BAFFLE OR INLET TEE. (HD 20 LOAD)
- THE SEPTIC TANK SHALL BE WATERTIGHT, AND SHALL HAVE INLET AND OUTLET TEES AND MANHOLES EXTENDING TO FINISH GRADE AT BOTH THE INLET AND OUTLET. IN ADDITION, THE SEPTIC TANK SHALL BE EQUIPPED WITH A ZABEL A-1800 EFFLUENT FILTER INSTALLED AT THE OUTLET TEE.
- THE LEACHING AREA AND 5' BEYOND MUST BE STRIPPED OF TREES, BRUSH, TOPSOIL, UNDESIRABLE MATERIAL AND SOIL CONTAINING FINES, AND THE EXCAVATION SCARIFIED AND BACKFILLED WITH CLEAN, COARSE GRAVEL IF EXISTING MATERIAL IS UNSUITABLE.
- DESIGNER SUPERVISION IS REQUIRED FOR SYSTEM INSTALLATION. CONTACT LICENSED DESIGNER AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- UTILITIES WERE PLOTTED FROM BEST AVAILABLE INFORMATION. CONTRACTOR TO VERIFY LOCATIONS, SIZES AND MATERIALS PRIOR TO COMMENCING ANY CONSTRUCTION.
- CONTRACTOR REQUIRED TO NOTIFY DIG-SAFE BEFORE COMMENCING ANY SITE CONSTRUCTION.
- PRIOR TO THE START OF SITE CONSTRUCTION, CONTRACTOR IS REQUIRED TO DEVELOP AND IMPLEMENT A PLAN FOR THE TEMPORARY CONTROL OF VEHICULAR AND PEDESTRIAN TRAFFIC FOR WORK WITHIN PUBLIC STREET RIGHT-OF-WAY AT THE SITE AND FOR SAFE CONSTRUCTION SITE ACCESS AND EGRESS. CONTRACTOR TO OBTAIN APPROVAL OF SAID PLAN FROM APPROPRIATE STATE AND COMMUNITY PUBLIC SAFETY OFFICIALS.
- PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES AS DEPICTED ON THE PLAN. EROSION CONTROL MEASURES SHALL REMAIN IN PLACES AND BE MAINTAINED UNTIL ALL DISTURBED AREAS ARE STABILIZED.

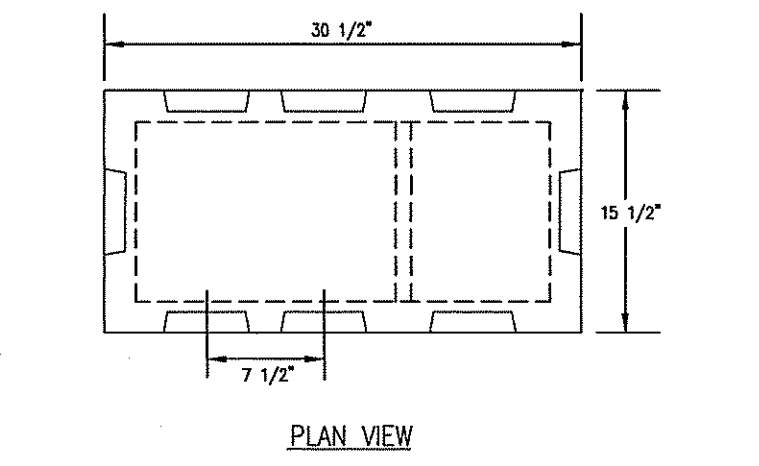
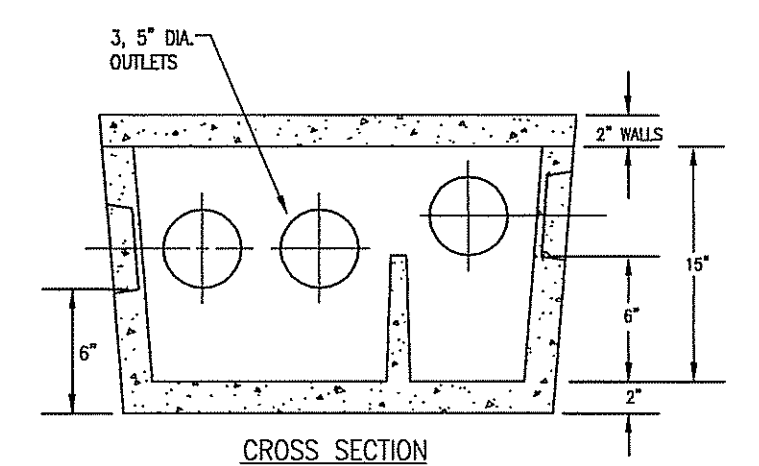
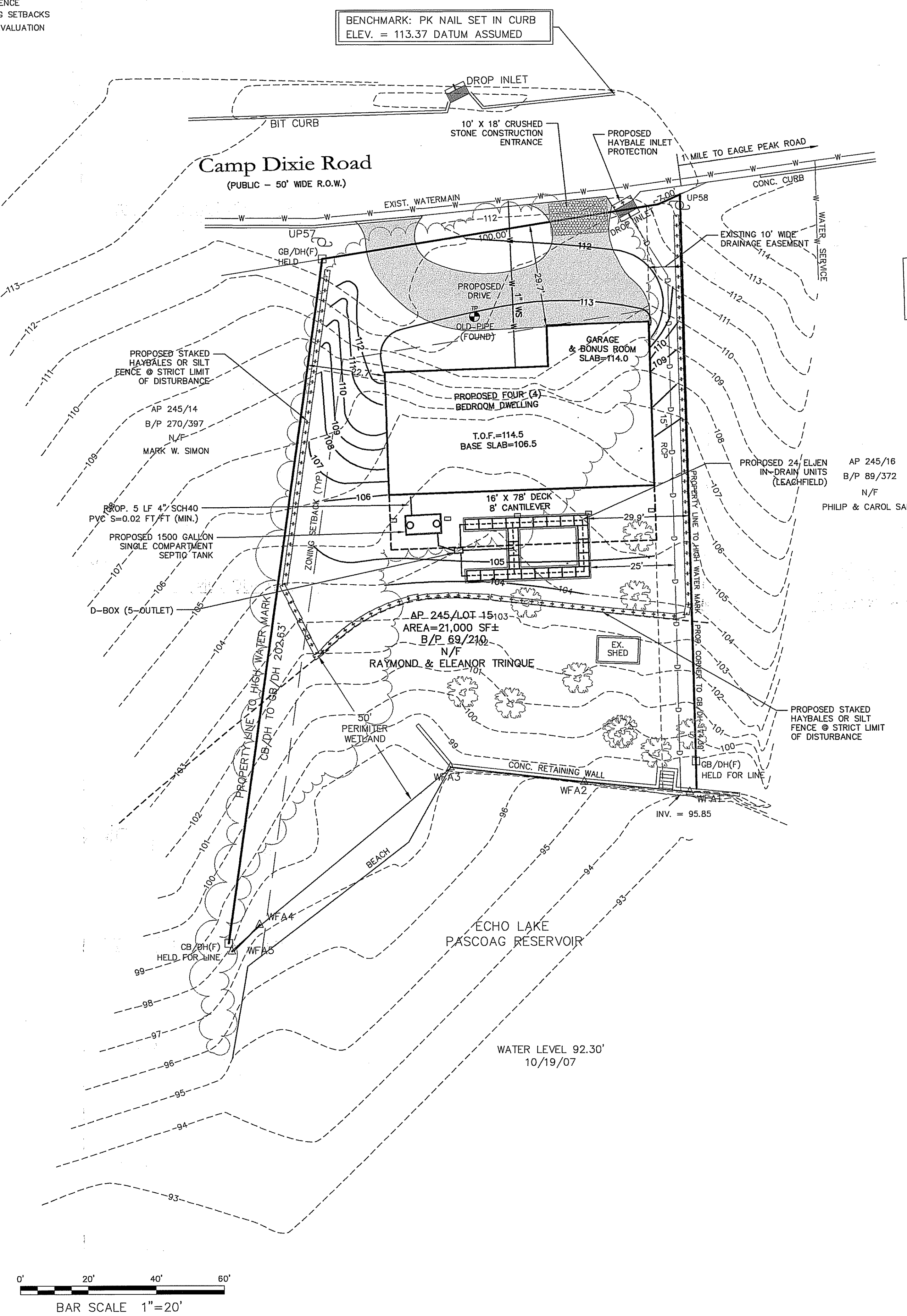
SEDIMENT CONTROL PROGRAM:

- DISTURBED AREAS WHICH ARE PARTICULARLY SENSITIVE TO EROSION SHALL RECEIVE A CRUSHED STONE OR SHARP ANGULAR RIP-RAP TREATMENT IF OTHER METHODS OF STABILIZATION ARE UNSUCCESSFUL.
- BANKS OR SLOPES NOT RECEIVING RIP-RAP SHALL BE SEEDED AND PROTECTED WITH FIBER MULCH.
- DURING CONSTRUCTION, THE CONTRACTOR AND OR THE DEVELOPER SHALL BE RESPONSIBLE FOR UTILIZING BEST MANAGEMENT PRACTICES TO CONTROL ENVIRONMENTAL DAMAGE THAT COULD RESULT FROM UNCHECKED STORMWATER RUNOFF.
- SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED PERIODICALLY AND MAINTAINED REGULARLY. SPECIAL ATTENTION SHOULD BE GIVEN AFTER A HEAVY OR PROLONGED RAINFALL.
- CARE SHALL BE SO AS NOT TO PLACE "REMOVED SEDIMENTS" WITHIN THE PATH OF EXISTING, NEWLY CREATED (BOTH TEMPORARY AND PERMANENT) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECT TO STORM WATER FLOWAGE.
- ADDITIONAL HAY BALES, SILT FENCE OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.
- SEDIMENTATION TRAPS SHALL BE PROVIDED AND MAINTAINED AT ALL DRAINAGE STRUCTURES DURING CONSTRUCTION.
- REFERENCE THE "RHODE ISLAND EROSION AND SEDIMENT CONTROL HANDBOOK" (1988) PREPARED BY THE RI DEPT. OF ENVIRONMENTAL MANAGEMENT, RI STATE CONSERVATION COMMISSION AND THE U.S. DEPT. OF AGRICULTURE, SOIL CONSERVATION SERVICE AS A PRACTICAL GUIDE.

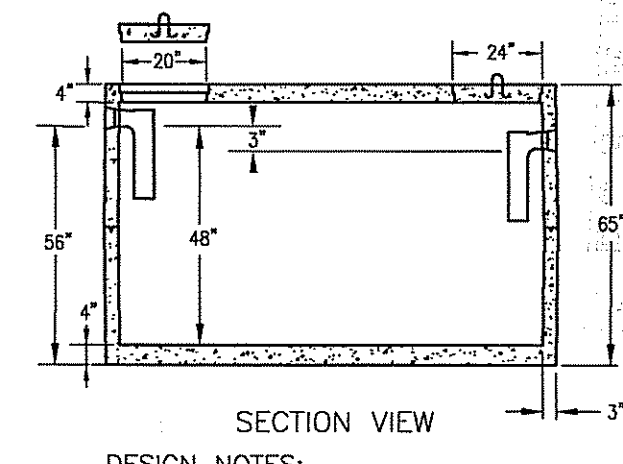
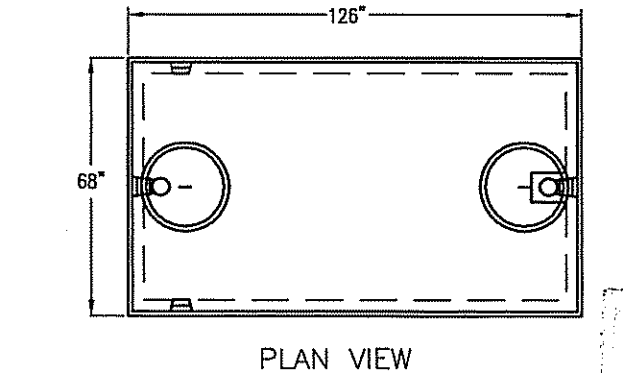
REFERENCE

- BASE MAP WAS DEVELOPED FROM EXISTING CONDITIONS SURVEY BY GROUND METHOD PREPARED BY SUGRUE & ASSOCIATES, INC., JOB NUMBER SA27527, OCTOBER, 2007.

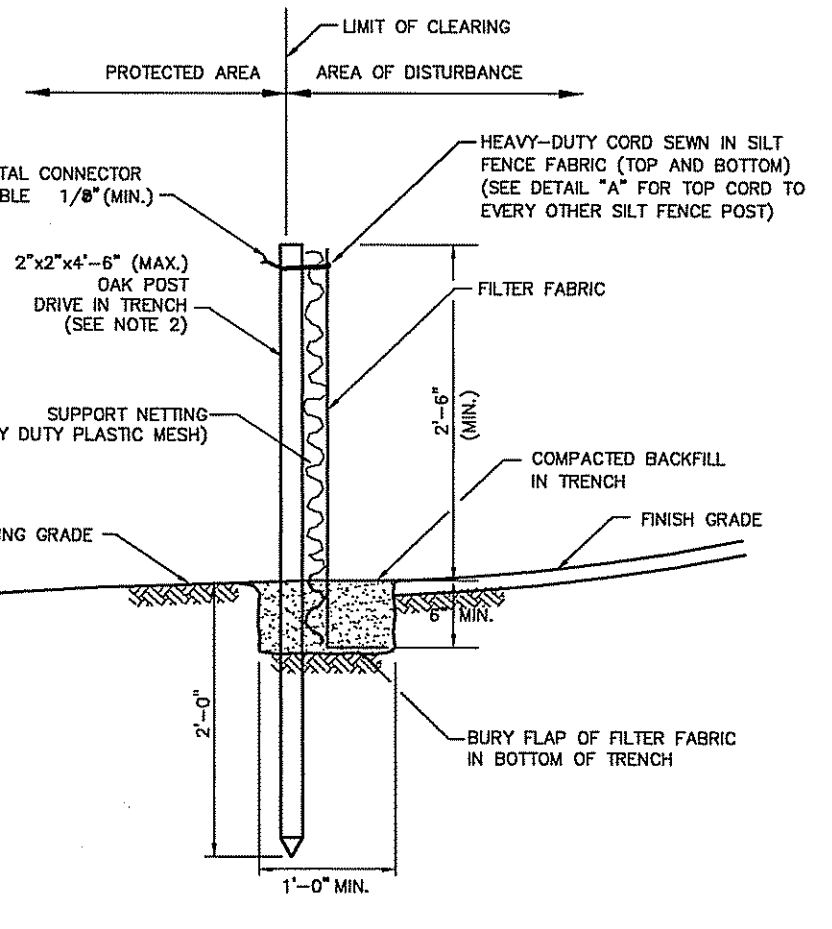
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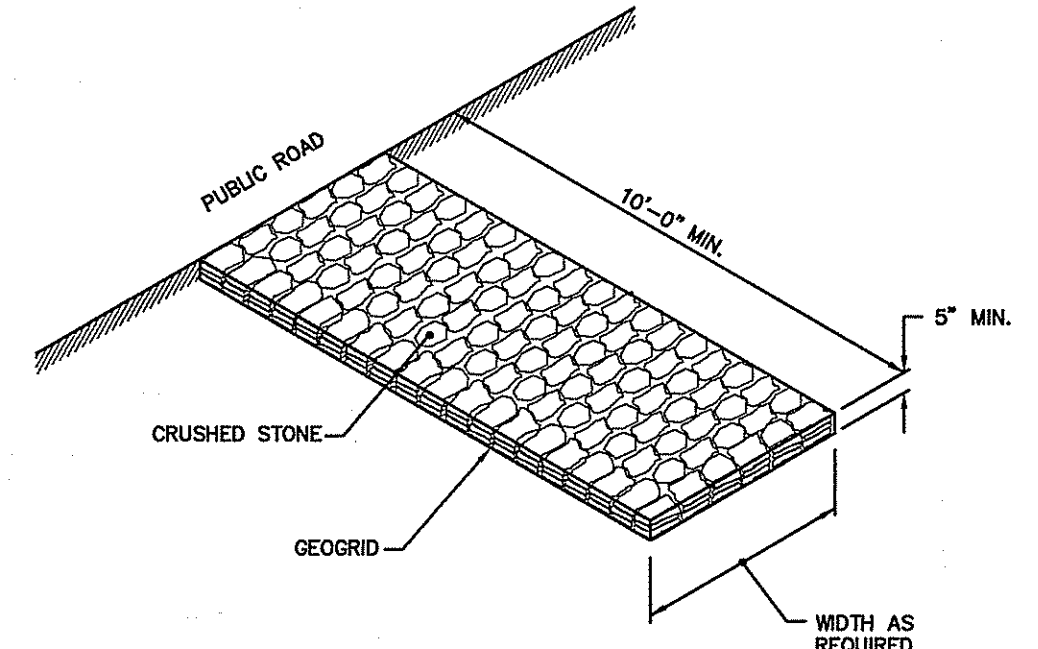
PRECAST DISTRIBUTION BOX
DB-5 W/ BAFFLE HS-20 LOAD
N.T.S.



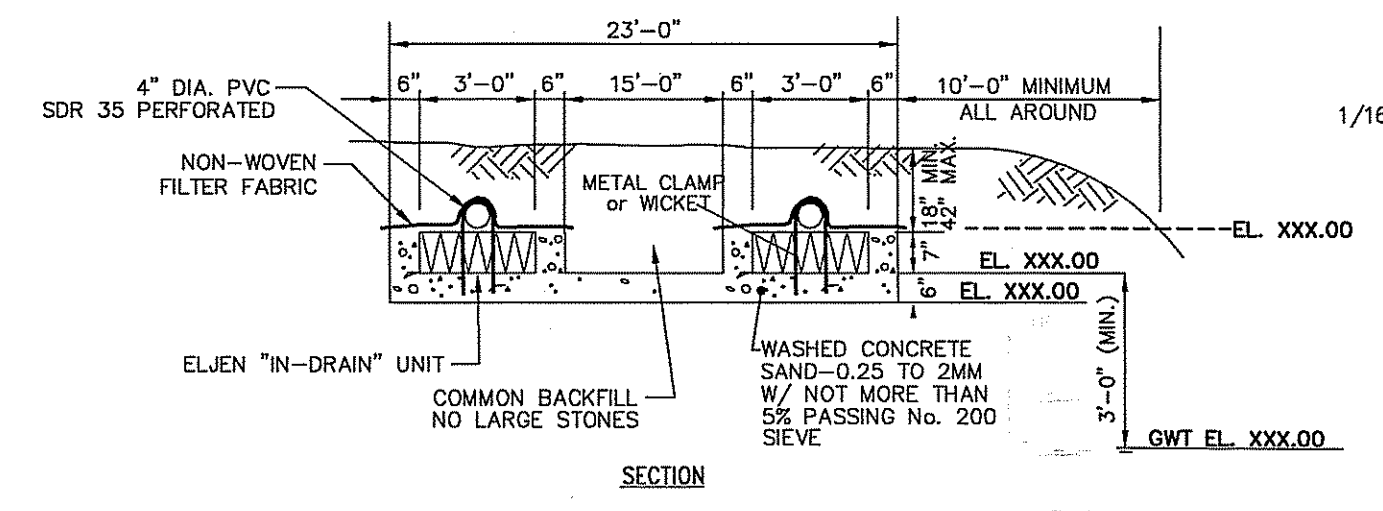
1500 GALLON SEPTIC TANK
(SINGLE COMPARTMENT)
N.T.S.



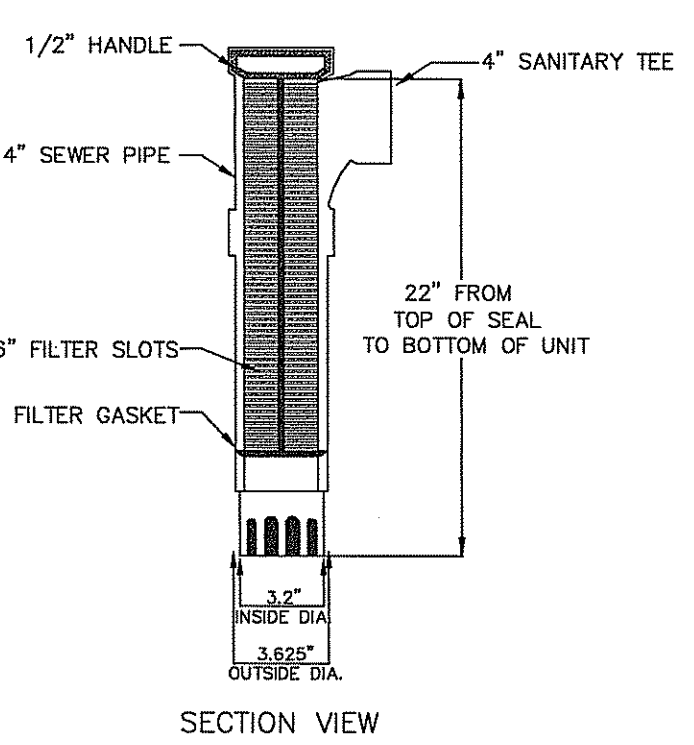
SILT FENCE DETAIL
N.T.S.



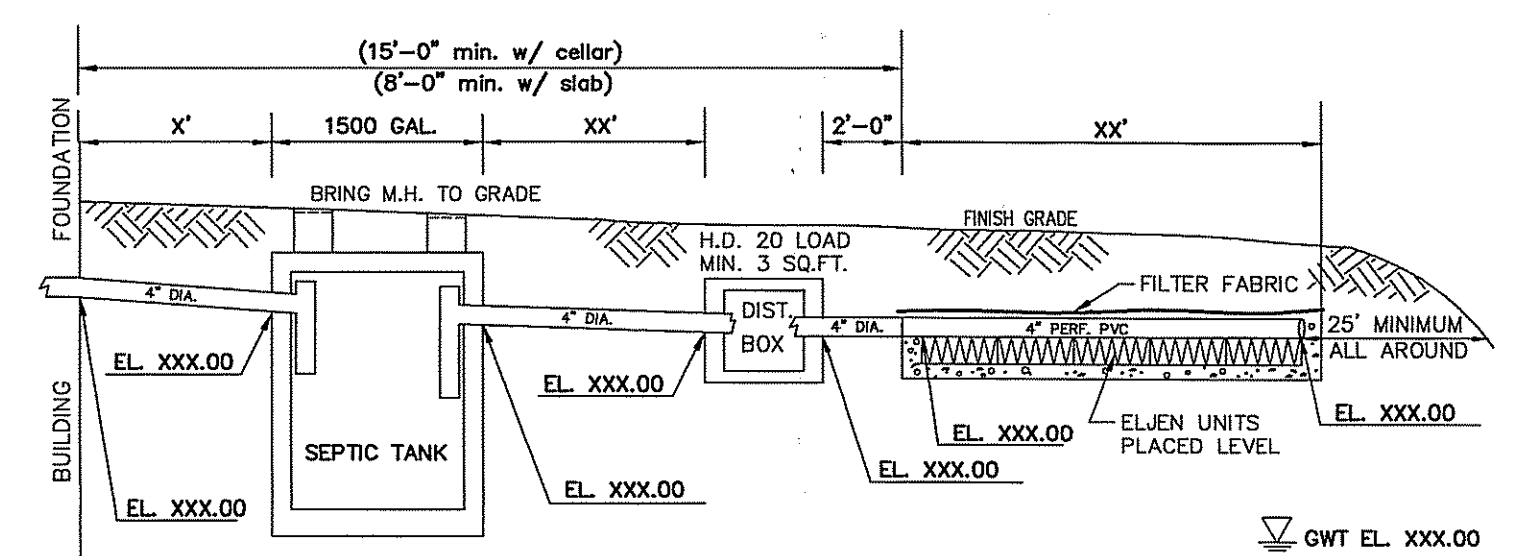
CONSTRUCTION ACCESS
N.T.S.



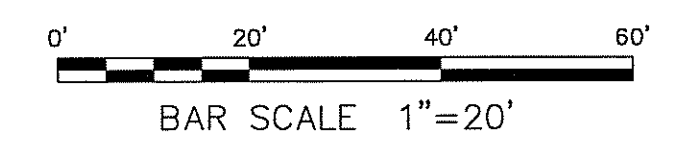
ELJEN "IN-DRAIN" SECTION
N.T.S.



ZABEL: A1800 FILTER
N.T.S.



SYSTEM ELEVATION
N.T.S.



BY	
DESCRIPTION	
DATE	
NO.	

BRUNN
No. 6696
REGISTERED ENGINEER
(CIVIL)

Thalman Engineering Co., Inc.
Civil Engineering • Landscape Architecture
600 Putnam Pike, Suite #7
Greenville, Rhode Island 02828
(401) 349-3040 • (401) 349-3041 (fax)

ISDS Plan & Details
Proposed Single Family Dwelling
Camp Dixie Road
Burrillville
Raymond & Eleanor Trinque
date: Oct-07
scale: 1"=20'

Design By: CSR
Checked By: BPT

Sheet
1
of 1

FILE NO.: 07.031