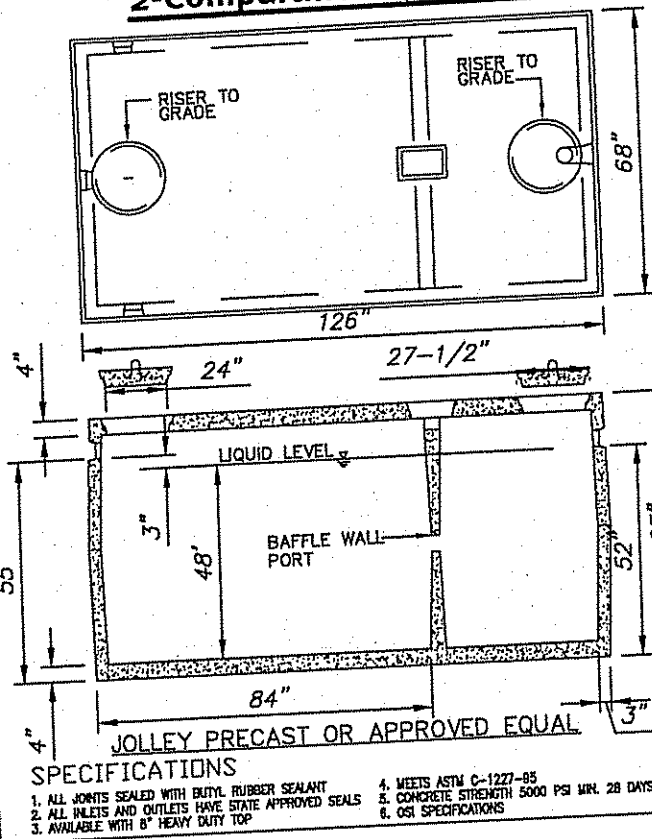
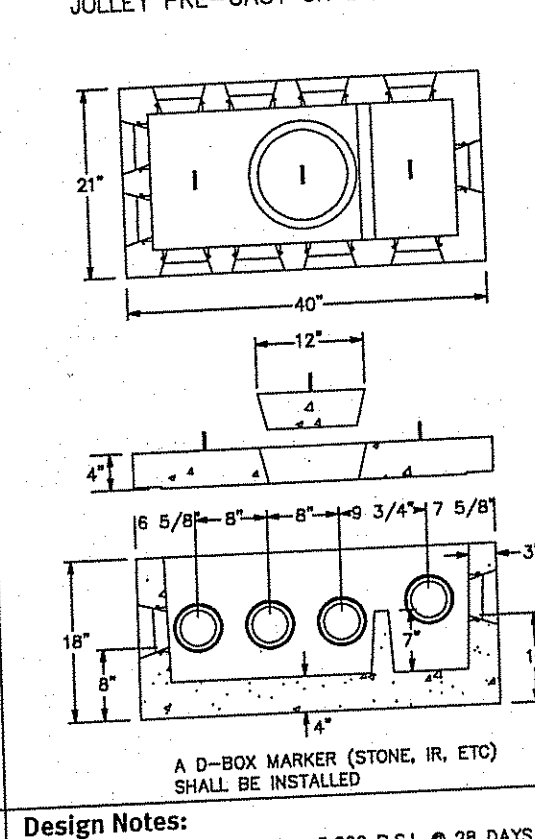


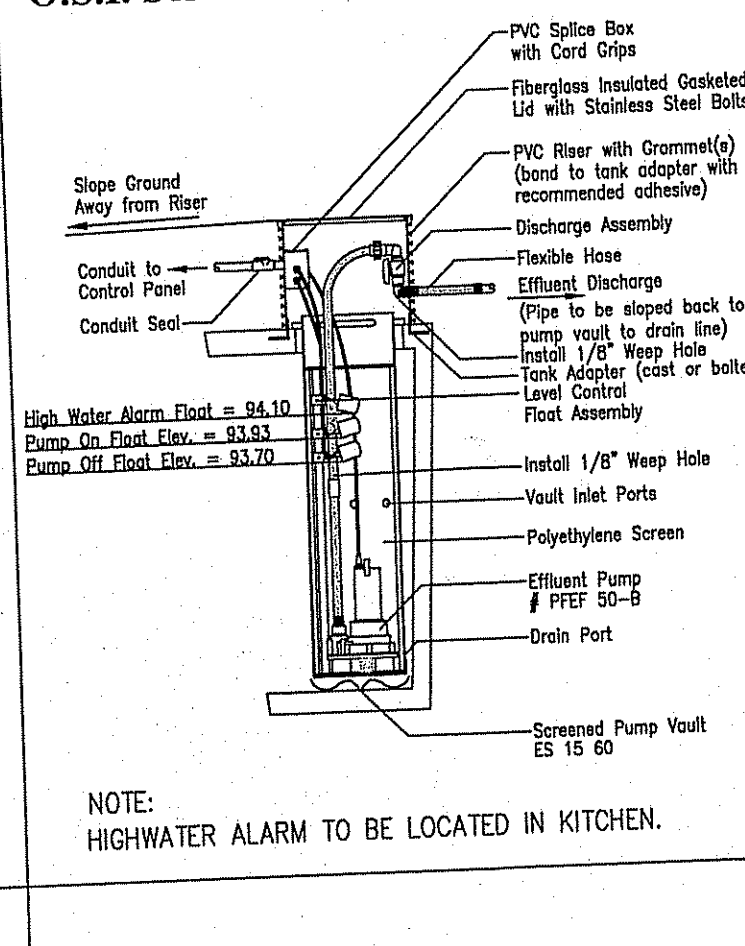
**Precast Treatment Tank - 1,500 Gallon
2-Compartment (6.0 Tons)**



Precast Distribution Box DB-11



O.S.I. Screened Vault w/ Effluent Pump



Design Calculations

- DESIGN FLOW = 4 BEDROOM HOME X 115 GAL/BD = 460 GALLONS/DAY
- DESIGN LOADING RATE = 0.61 GAL/SF/DAY
DESIGN GWT = 2.0
DESIGN DEPTH TO IMPERVIOUS = 3.0'
- MINIMUM LEACHING AREA = 460 GAL/DAY ÷ 0.61 GAL/SF/DAY = 754.1 S.F.
- ELJEN GSF 3'x4' MATS 7.0 S.F. EQUIVALENT S.F./L.F. 754.1 S.F. ÷ 7.0 S.F./L.F. = 107.7 L.F. OF TRENCH
- DESIGN LEACH FIELD = USE 7 LINES, AT 8 L.F. 93 L.F. LONG, 12 FT. SPACING
- LEACHING AREA PROVIDED = 896 S.F. (7(8) + 6(12))7.0 = 896 S.F.

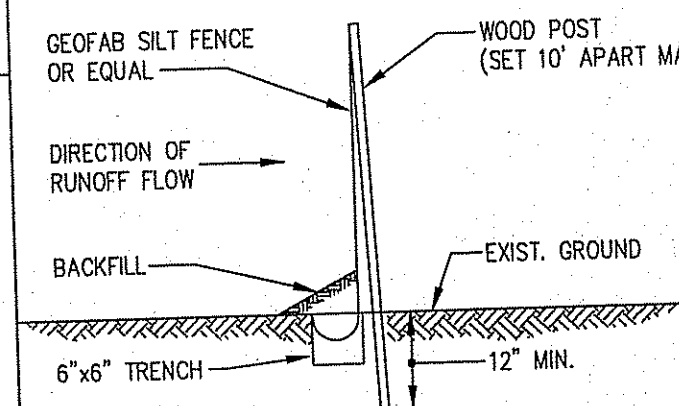
Sequence of Land Disturbing Activities

- CONTRACTOR TO OBTAIN ALL REQUIRED FEDERAL, STATE AND MUNICIPAL PERMITS, AND TO NOTIFY "DIG SAFE" PRIOR TO CONSTRUCTION.
- SET SILT FENCING AT LIMIT OF WORK. MAINTAIN CONTINUOUS FENCE LINE DURING CONSTRUCTION AND REPAIR AS NEEDED.
- CONTACT DESIGNER 24 HR. PRIOR TO ISDS CONSTRUCTION
- BEGIN ISDS BOTTOM EXCAVATION
- CONTACT DESIGNER 24 HR. PRIOR TO ISDS BOTTOM EXCAVATION COMPLETION
- BEGIN ISDS CONSTRUCTION
- CONTACT DESIGNER 24 HR. PRIOR TO ISDS COMPLETION
- COVER ISDS COMPONENTS
- CONTACT DESIGNER 24 HR. PRIOR TO ISDS FINAL COVER
- COMPLETE SOIL STABILIZATION BY LOAM AND SEEDING DISTURBED AREAS.

Site Testing

R.I.D.E.M. DIVISION OF ISDS APPROVAL
a. GROUND WATER VERIFICATION NO. 0435-1519 DATE: 09/15/04
b. SITE SUITABILITY REPORT NA DATE: NA
SITE TESTING DATE OF EXCAVATION 09/15/04

SEV 3
SOIL STRATA:
Ap 0-8" 10yr 2/2 sil, 1-sbk, fr 4
Bw 8-25" 10yr 5/6 sil, 1-sbk, fr 6
20B 25-35" 2.5y 5/4 10yr 5/6 la, 0-ma, fr 6
2C 35-108" 2.5y 4/4 2.5y 4/2 7.5y 4/6 vgcbls, 0-ma, fr 6

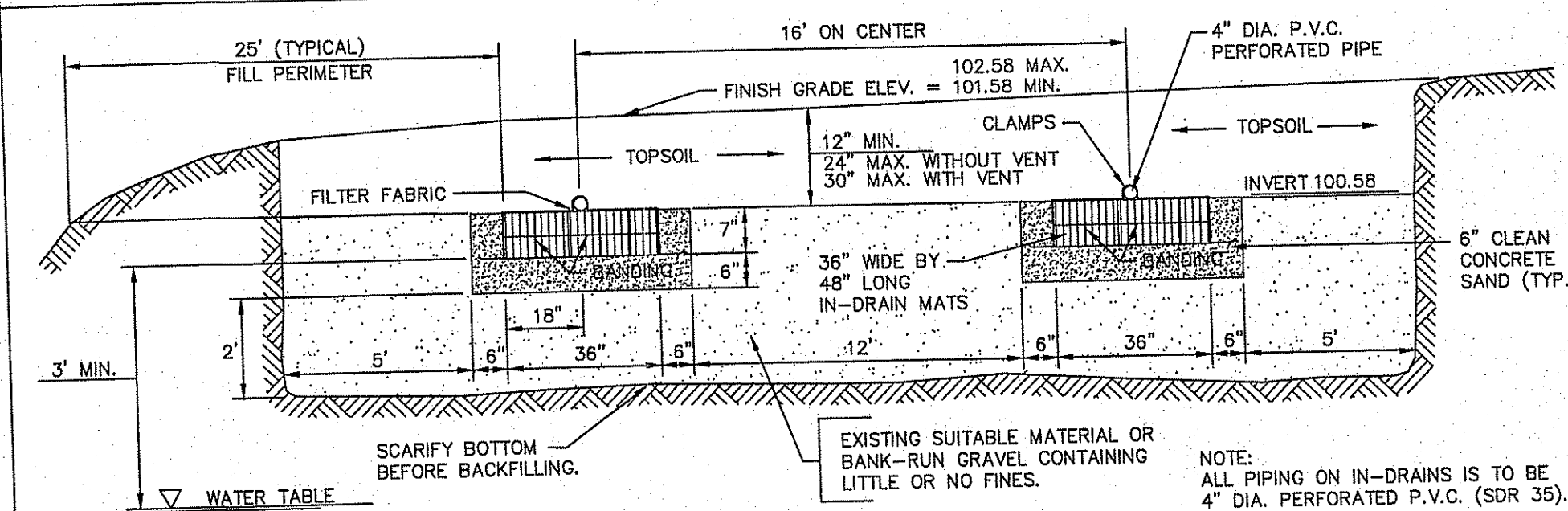


- SILT FENCE DETAIL**
NOT TO SCALE
- INSTALLATION SEQUENCING:**
- DIG TRENCH 6" DEEP.
 - SET FENCE POST 10' APART MAX. AT SLIGHT ANGLE TOWARD RUNOFF DIRECTION.
 - ATTACH GEOFAB TO POST.
 - LOWER 6" OF GEOFAB IN TRENCH CURLED TOWARD RUNOFF DIRECTION & BACKFILL.
 - FENCE TO BE INSTALLED AS INDICATED ON THE SITE PLAN OR AS DIRECTED BY THE ENGINEER.

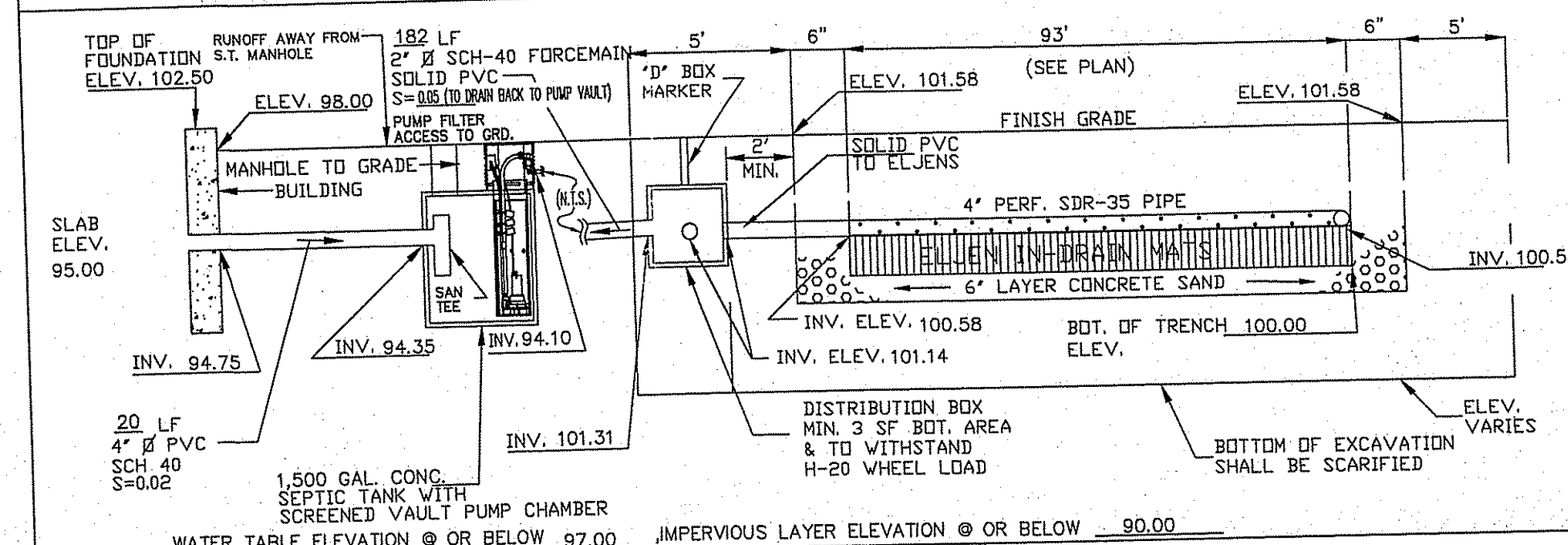
General Notes

- CONSTRUCTION SHALL CONFORM TO THE RHODE ISLAND SPECIFICATIONS SET FORTH IN "DEPARTMENT OF ENVIRONMENTAL MANAGEMENT- RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION DESIGN, CONSTRUCTION AND MAINTENANCE OF INDIVIDUAL SEWAGE DISPOSAL SYSTEMS" REV. 1/02
- IN ADDITION TO THE MINIMUM STANDARDS CALLED FOR IN THE REGULATIONS, THE FOLLOWING STANDARDS SHALL ALSO APPLY:
A. ALL STONE SHALL BE DOUBLE WASHED. THE CONTRACTOR SHALL BE ALLOWED TO WASH THE STONE ON THE SITE ONCE. IN NO CASE SHALL THE STONE DELIVERED TO THE SITE NOT BE WASHED AT LEAST ONCE BY THE PROCESSOR, AND IN NO CASE SHALL THE STONE INSTALLED NOT BE DOUBLE WASHED.
- THE FILL AROUND THE SYSTEM SHALL BE COARSE SAND, OR BANK RUN GRAVEL. IT SHOULD CONTAIN NO MORE THAN 5% FINES AND PREFERABLY NO MORE THAN 2% FINES. FINES ARE ANY PARTICLES WHICH PASS THROUGH THE #200 SIEVE. WHERE FILL IS USED, A PERC TEST SHALL BE DONE IN THE FILL. IF THE PERC RATE IS SLOWER THAN 2 MIN./INCH, THE MATERIAL SHALL BE REMOVED.
- NO DRAINS OR WATERLINES TO BE INSTALLED WITHIN 25' OF LEACHING AREA.
- NO GARBAGE GRINDERS SHALL BE INSTALLED.
- IF THERE ARE NO EXISTING OR PROPOSED WELLS WITHIN 200' OF THE PROPOSED SYSTEM.
- IF THERE ARE NO EXISTING OR PROPOSED DRAINS WITHIN 200 FEET OF THE PROPOSED SYSTEM OTHER THAN SHOWN.
- IF THERE ARE NO EXISTING OR PROPOSED SYSTEMS WITHIN 100' OF A PROPOSED OR EXIST. WELL.
- IF THERE ARE NO EXISTING OR EXISTING PUBLIC WELLS WITHIN 500' OF THE PROPOSED SYSTEM.
- INSTALLER TO STRIP TOP AND SUBSOIL OF LEACHING AREA DOWN TO SUBSTRATA 5 FT. ON ALL SIDES. AN ADDITIONAL 6" MAY NEED TO BE REMOVED IF FINES ARE PRESENT IN THE SUBSTRATA, AS DETERMINED BY THE ENGINEER OR R.I.D.E.M. OFFICIALS.
- INSTALLER TO REMOVE ALL TREES AND SHRUBS FROM LEACHING AREA, AND 10' ON ALL SIDES.
- BUILDING SEWER PIPE TO BE MINIMUM 4" SCH 40 PVC. ALL SEPTIC SYSTEM PIPING TO BE MINIMUM 4" SDR 35.
- "D-BOX" TO HAVE MANHOLE TO GRADE AND/OR LOCATION MARKER.
- "D-BOX" TO WITHSTAND H-20 WHEEL LOAD.
- SEPTIC TANK MANHOLE TO BE AT FINISH GRADE AS PER 2002 DEM REGULATIONS.
- LIMIT OF RIDEM WETLANDS REVIEWED UNDER APPLICATION NO. 05-0198 (6-7-05)
- INSTALLER TO MAINTAIN INVERT EL. 100.58 FOR 25' PERIMETER.
- PROPERTY BOUNDARY LINE SURVEY BY COMMONWEALTH ENGINEERS AND CONSULTANTS, INC., AND CONSIDERED PRELIMINARY AT THIS TIME. TOPOGRAPHY FROM PLANS PREPARED BY COMMONWEALTH ENGINEERS & CONSULTANTS.
- PORTION OF SITE IS LOCATED WITHIN FLOOD ZONE A AS PER (F.E.M.A.) COMMUNITY PANEL NO.445409 0005 E, CITY OF WARWICK, DATED JUNE 16, 1992.
- DIPRETE ENGINEERING ASSOC., INC. CERTIFIES TO THE SOIL CONDITIONS AND PERC RATE ONLY IN AREA TESTED. INSTALLER TO NOTIFY DESIGNER IF SOIL CONDITIONS ARE FOUND DIFFERENT THAN STATED ON SEPTIC APPLICATION.
- CONTRACTOR TO ENSURE ALL SECTIONS OF R.I.D.E.M. ISDS DIVISION APPLICATIONS ARE ADHERED TO.
- BENCH MARK SET WITHIN 150' OF PROPOSED SYSTEM PRIOR TO CONSTRUCTION. BENCH MARK = IRON ROD ELEV. = 100.59
- THIS PLAN IS SUBSTANTIALLY CORRECT IN ACCORDANCE WITH A CLASS IV STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. THIS PLAN IS NOT TO BE CONSTRUED AS AN ACCURATE SURVEY AND MAY BE SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE.
- ALL STAGES OF THE I.S.D.S. INSTALLATION MUST BE SUPERVISED BY THE R.I.D.E.M. LICENSED DESIGNER.
- WETLANDS DELINEATION BY MASON & ASSOCIATES, INC. 771 PLAINFIELD RD. NORTH SCITUATE, RI 02857.
- SURVEY EVALUATIONS BY ECOTONES, INC. 1130 TEN ROD RD., NO. KINGSTOWN, RI 02852

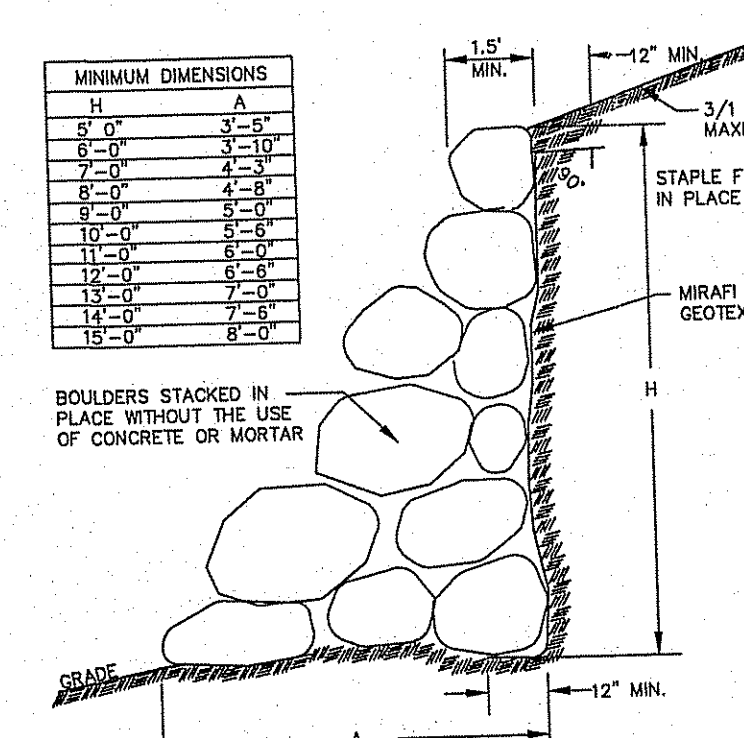
Cross-Section N.T.S.



Septic System Profile N.T.S.



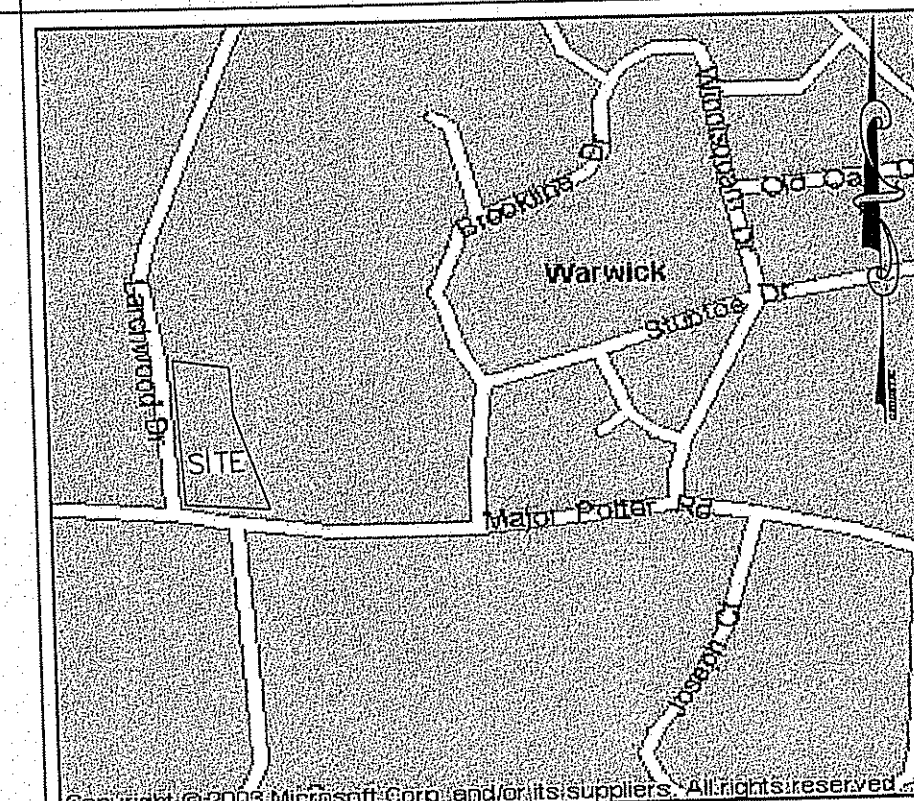
Boulder Retaining Wall Detail N.T.S.



Minimum Lot Requirements

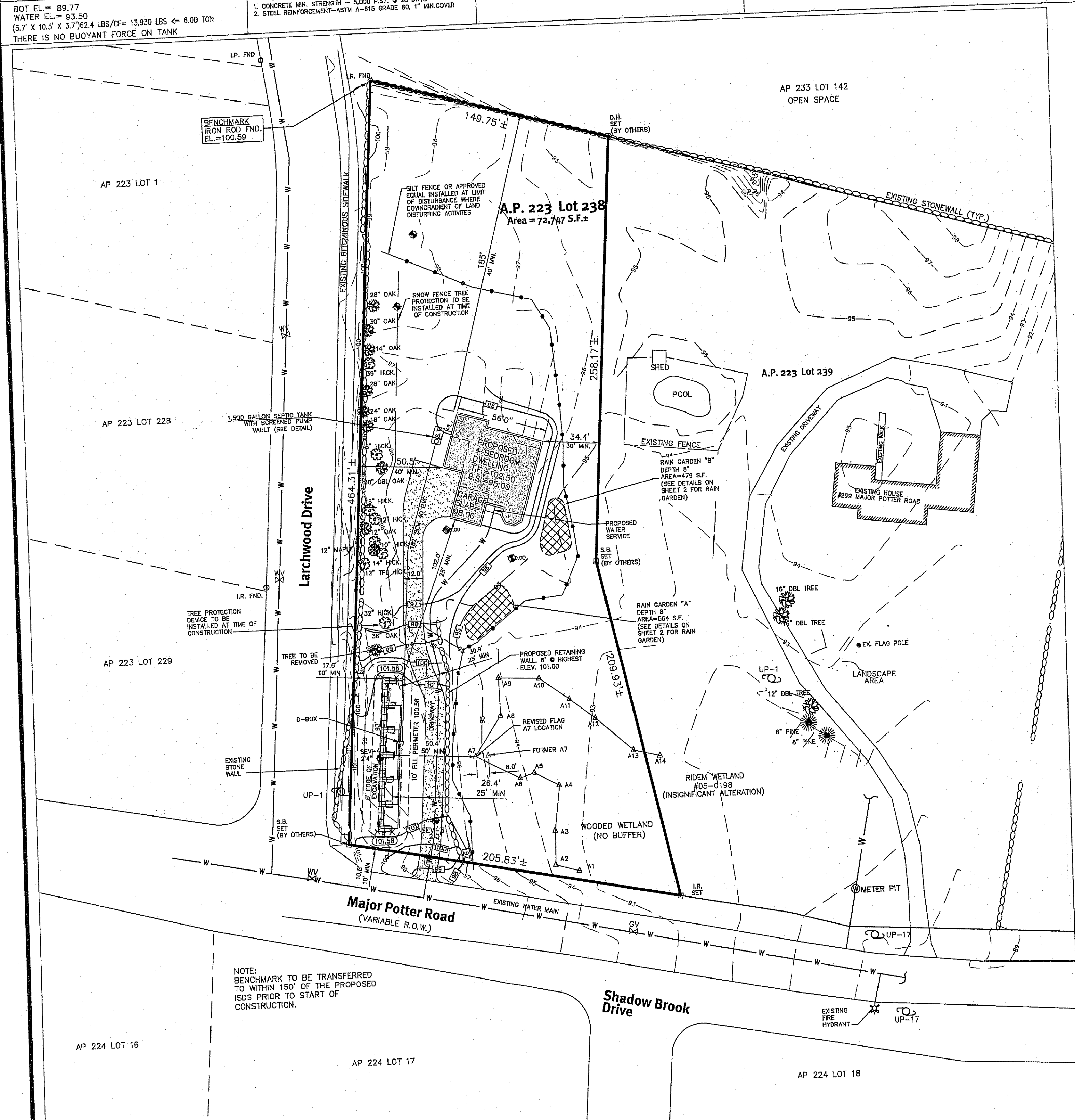
AREA	40,000	SQ. FT.
FRONTAGE	150	FEET
FRONT YARD	40	FEET
SIDE YARD	30	FEET
REAR YARD	40	FEET
CORNER SIDE YARD	40	FEET

Locus Plan N.T.S.



Legend

- OBSERVATION HOLE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- WATER SERVICE LINE
- UTILITY POLE



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
OWTS & FRESHWATER WETLANDS
JOINT PERMIT APPROVAL
OWTS# 0435-1519 FWW# 18-0100
APPROVED DATE 8/21/18
No Changes Allowed Without RIDEM Approval
Approved Plans/Permit Must Be Kept at Construction Site

Scale: 1"=40'
0 20' 40' 80'

Diprete Engineering

Two Stafford Court, Cranston, RI 02920
Tel: 401-943-1000 Fax: 401-464-6006 www.Diprete-Eng.com

Engineers - Planners - Surveyors

CHRISTOPHER A. DUHAMEL
REGISTERED PROFESSIONAL ENGINEER

OWTS Plan
Major Potter Road, U.P. #18

Joseph Padula
Applicant

66 Indian Hill Road
Warwick, Rhode Island 02886