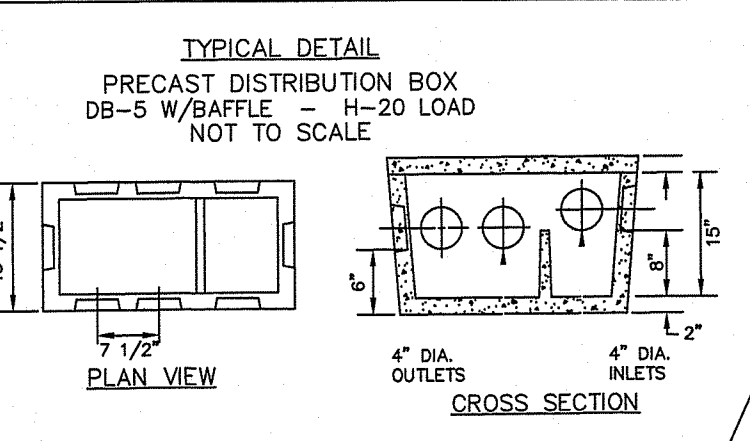


Washington Hgwy (Rte 116)
 Pleasant View Ave. (Rte 116)
 Farnum Pike (Rte 104)
 244-1 SITE
 LOCUS



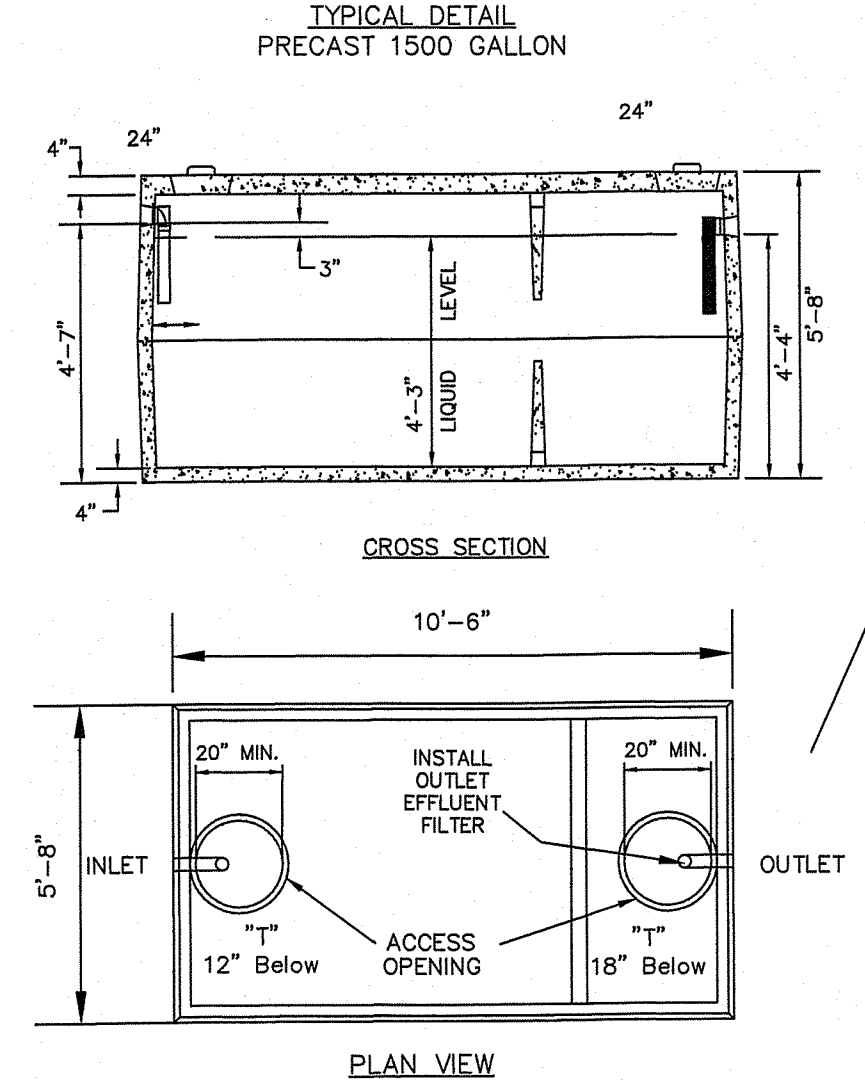
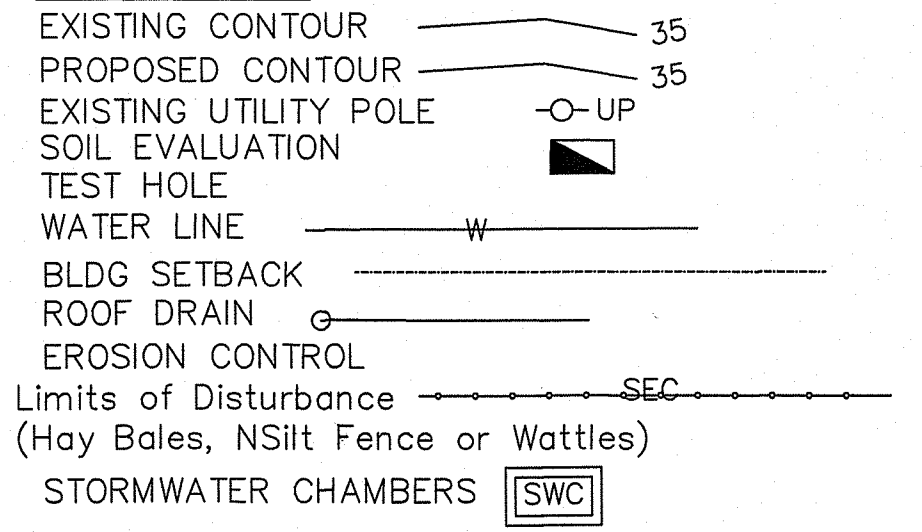
ZONING: R-80

Min Lot Area: 80,000
 Min Frontage: 200' (Ex. Non-Conforming)
 Min Front Yard: 40'
 Min Side Yard: 25'
 Min Rear Yard: 75'
 Min Lot Coverage: 10%
 Min Height: 39'

DESIGN DATA #2113-0597

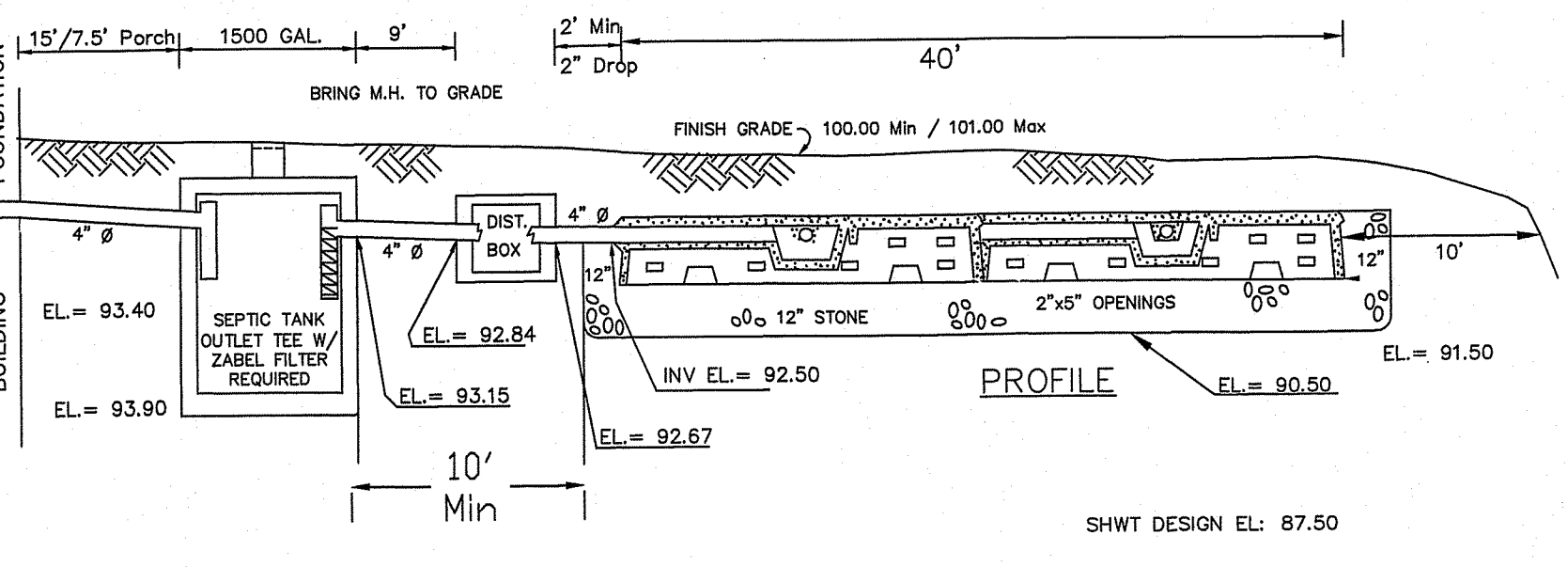
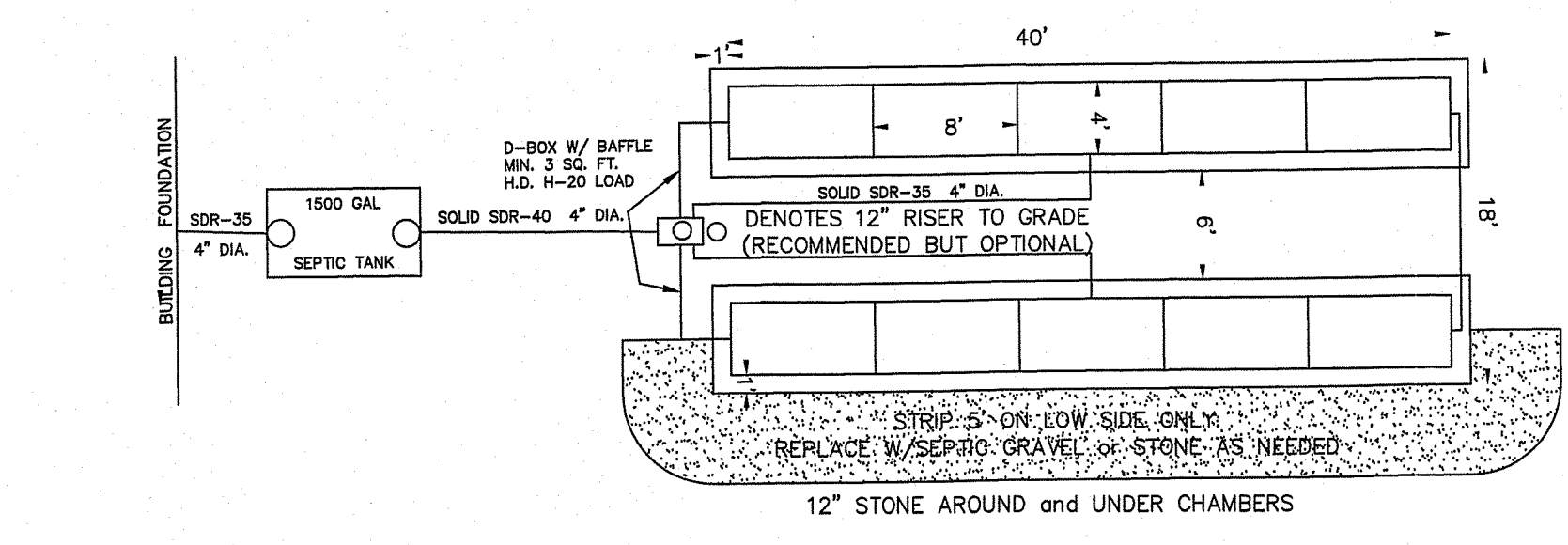
Proposed 4 B/R - 460 Gals/Day
 Soil Cat #6m / Loading Rate .70 Gal/SF/Day
 Minimum Required Area = 658 S/F
 Area Provided = 696 S/F
 Depth SHWT = 96" Design Use EL: 87.50
 Depth Impervious = 120" Design Use EL: 85.50

LEGEND:



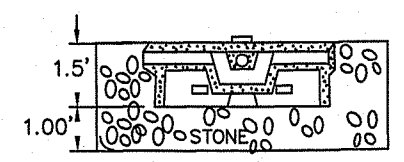
Bring All Tank Covers To Grade
 Install Effluent Outlet Filter
 SEE ATTACHED TYPICALS & DESIGN CRITERIA

SEWAGE DISPOSAL SYSTEM DETAILS
 NO SCALE

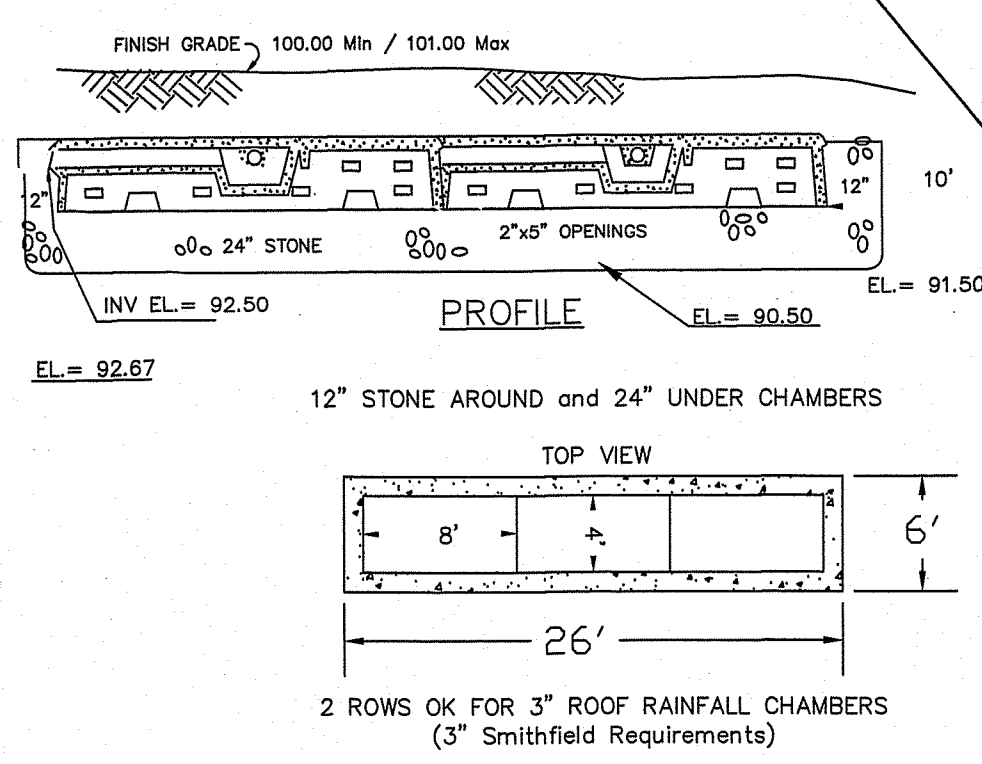


- GENERAL NOTES, PARTIAL STRIP**
- SEE ATTACHED TYPICALS FOR DESIGN CRITERIA.
 - REMOVE ALL TREES, BRUSH, STUMPS AND BOULDERS FOR 10' AROUND SYSTEM.
 - THERE ARE NO OTHER KNOWN WELLS (EXISTING OR PROPOSED) WITHIN 200' OF PROPOSED OWTS. (IF APPLICABLE)
 - THERE ARE NO OTHER KNOWN OWTS (EXISTING OR PROPOSED) WITHIN 100' OF PROPOSED WELL. (IF APPLICABLE)
 - THERE ARE NO OTHER KNOWN PUBLIC WELLS (EXISTING OR PROPOSED) WITHIN 500' OF THE PROPOSED OWTS.
 - MAINTAIN INVERT ELEVATION FOR A 10' PERIMETER FROM OF THE EDGE OF THE PROPOSED OWTS THEN A 3:1 SLOPE. DO NOT FILL WITHIN 5' OF ABUTTING PROPERTY.
 - NO PARKING OR VEHICULAR TRAFFIC ALLOWED OVER ANY PORTION OF THE OWTS UNLESS OTHERWISE SPECIFIED. CAST IRON, SCHEDULE 40, OR EQUIVALENT PIPE TO BE USED WHEN LOCATED UNDER DRIVEWAY. CHAMBERS TO BE H20 WHEEL LOAD.
 - REMOVE ALL 'A' HORIZON (LOAM) AND THE 'B' HORIZON (SUBSOIL) ONLY AS NEEDED BELOW TRENCHES ONLY. STRIP 5' ADDITIONAL AS SHOWN ON TYPICAL ON LOWSIDE ONLY. THE SOIL BETWEEN THE DISPERSAL TRENCHES SHALL REMAIN UNDISTURBED. SCARIFY BOTTOM AND SIDES PRIOR TO PLACING GRAVEL (WHEN NEEDED) OR STONE TO PROPER ELEVATION. A SIX (6) INCH LAYER OF GRAVEL SHALL BE PLACED BELOW THE STONE IN THE TRENCH WHERE THE BOTTOM OF THE STONE LIES ON OR WITHIN A SOIL HORIZON THAT MEETS SOIL CATEGORY 1 AND SUCH HORIZON IS AT LEAST SIX (6) INCHES THICK BELOW THE STONE. THE SIX (6) INCH GRAVEL BASE LAYER IS NOT NECESSARY. HOWEVER, IF THIS SOIL CATEGORY 1 HORIZON IS DESCRIBED AS EXTREMELY COBBLY, THE SIX (6) INCH GRAVEL BASE LAYER SHALL BE REQUIRED. STONE MEETING REQUIREMENTS SHALL BE PLACED BENEATH THE CHAMBER. THE SPACE BETWEEN THE EXCAVATION AND THE TOP OF THE CHAMBERS SHALL BE COVERED WITH FILTER FABRIC. EFFLUENT SHALL BE APPLIED TO THE CHAMBER TRENCHES AT LEAST EVERY TWENTY-FIVE (25) FEET. THE ENDS OF THE CHAMBER TRENCHES SHALL BE INTERCONNECTED WITH IMPERFORATED SDR 35 PVC PIPE LAID WITH WATER TIGHT JOINTS. IF THE PIPE WILL BE SUBJECT TO VEHICULAR TRAFFIC, IT SHALL BE SCHEDULE 40 PVC. SCARIFY BOTTOM PRIOR TO PLACING GRAVEL (WHEN NEEDED) TO PROPER ELEVATION. AVOID DRIVING IN THE EXCAVATION ONCE BOTTOM HAS BEEN SCARIFIED.
 - NO SUBDRAINS ALLOWED WITHIN 25' OF LEACHING SYSTEM, INCLUDING FOUNDATION DRAIN.
 - ALL PIPING TO BE 4" SDR 35 OR EQUAL.
 - "D" BOX TO BE MIN. 3 SQ/FT BOTTOM AREA AND H20 LOAD CAPACITY. INSURE BAFFLE OR TEE INSTALLED.
 - "D" BOX AND SEPTIC TANK TO BE A MINIMUM DISTANCE OF 75' FROM WELL (IF APPLICABLE)
 - ALL SEPTIC TANKS TO BE 2 COMPARTMENTS WITH THE FIRST COMPARTMENT HAVING A LIQUID VOLUME OF 2/3 THE REQUIRED VOLUME OF THE ENTIRE TANK. BRING BOTH COVERS TO GRADE. RISERS SHALL BE WATER TIGHT AND SHALL BE TAMPER RESISTANT AND MECHANICALLY FASTENED. A 100 GALLON OR GREATER BATH TUB OR A GARBAGE GRINDER REQUIRES THE TANK CAPACITY TO BE INCREASED BY 250 GALLONS. SEPTIC TANKS AND RISERS MUST BE CERTIFIED WATER TIGHT BY THE MANUFACTURER OR BY ONSITE TESTING. SITE ASSEMBLED TANKS MUST BE TESTED FOR LEAKAGE ON SITE.
 - PLUG ALL UNUSED INLETS/OUTLETS ON SIDE/END FEED CHAMBERS.

OWTS CHAMBER SECTION



STORMWATER DETAILS
 NO SCALE

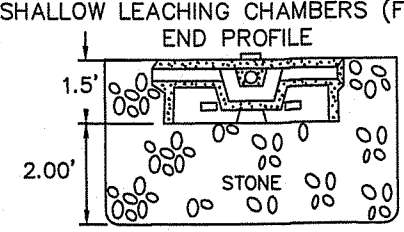


ROOF DRAINAGE NOTES

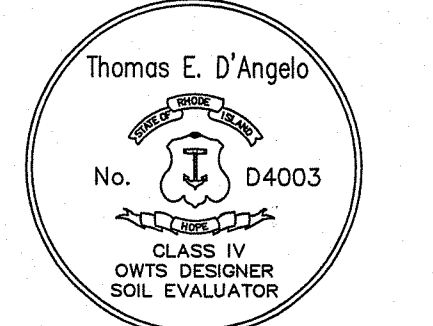
FLOWDIFFUSORS (SHALLOW LEACHING CHAMBERS)
 END UNITS W/12" STONE SIDES AND 24" BELOW
 4 X 8 = 32 X 1.5 = 48 CF X 7.48 GAL = 369.04 GALS
 STONE BOTTOM 6 X 8 = 48 X 7.48 = 359.04 X 2 = 718.08 X 40% = 287.23
 SIDES 8 X 2 = 16 X 2 = 32 X 7.48 = 239.36 X 2 = 478.72 X 40% = 191.48
 TOTAL MIDDLE UNITS = 847.75

MULCAHEY
 56 X 52 = 2912 SF/4 = 3" = 728 CF X 7.48 G/CF = 5445.44 GALS
 5445/2 = 2722.72 EACH HALF ROOF
 2722 - 955.60 = 1767.12
 3 FD = 2758.95 EACH ROW

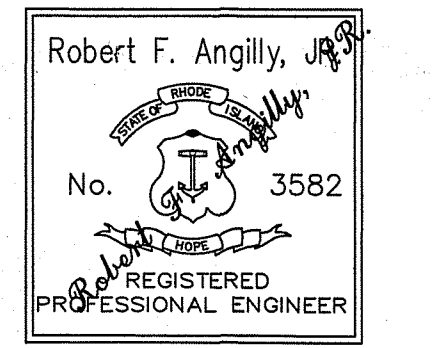
STORMWATER CHAMBER SECTION
 SHALLOW LEACHING CHAMBERS (Flowdiffusors)



SUBJECT LOT
 AP 46 / LOT 329
 AREA = 2.48 AC±



Soil Evaluation: Thomas E. D'Angelo #4003



Engineering: Robert F. Angilly, JR. #3047

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 OWTS & FRESHWATER WETLANDS
 JOINT PERMIT APPROVAL
 OWTS# 2231-0167 PERMIT# 22-0306
 APPROVED: [Signature] DATE: 10/27/22
 No Changes Allowed Without RIDEM Approval
 Approved Plans/Permit Must Be Kept at Construction Site

NO.	DATE	BY	REVISIONS
1			PROPOSED OWTS DESIGNS for THOMAS MULCAHEY
2			244-1 Farnum Pike SMITHFIELD AP 46/LOT 329
3			DRAWN BY: SCALE 1:30
4			CHK'D: DATE 6/21/22
5			TRACED: APP'D: Pg 1 OF 1