

MINOR DISTURBED AREA FOR WELL, WATER LINE. REPLANT A CONSERVATION GRASS MIX.

# LAKE WASHINGTON

## LEGEND

- AP ASSESSOR'S MAP
- ⊕ UTILITY POLE
- ⊙ WELL
- EXISTING GRADE
- 25- PROPOSED GRADE
- LD/SC LIMITS OF DISTURBANCE SOIL EROSION CONTROL HAYBALES, WATTLES OR SILT FENCE
- SOIL EVALUATION

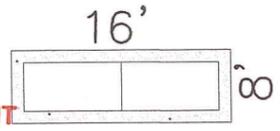
## FOUNDATION DETAILS

FULL WALK-OUT REAR  
 TF: 624/SLAB: 616.25  
 NO DRAINS  
 40" FROST WALL 2'  
 6'± or FOOTING  
 3' FULL FRONT 3'

## ROOF DRAINAGE DETAILS

SEE DETAILS PAGE 2

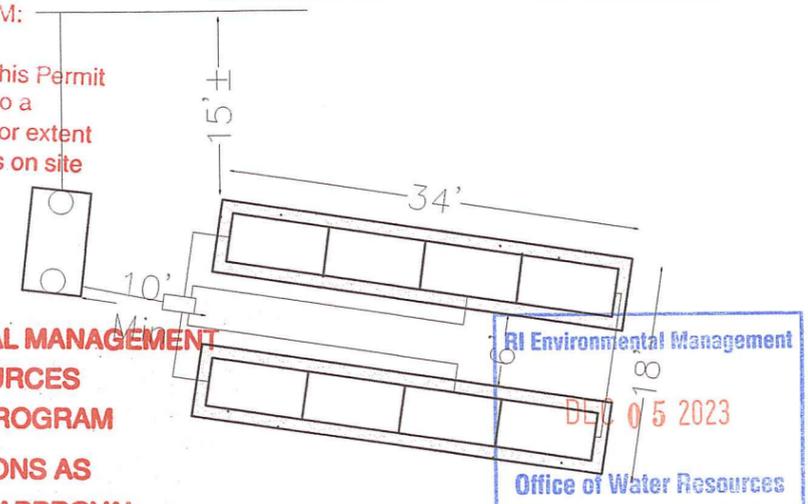
ROOF 873 GALS / PROVIDED 1,065 GALS



## OWTS DRAINFIELD DETAILS

NOTE PER DEM:

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



## RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM

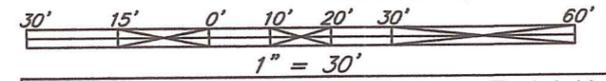
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL

DATED: JAN 16 2024 FILE #: 23-0219

NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

## DESIGN DATA:

PROPOSED 3 BR DWELLING = 345 GALS/DAY  
 Loading Rate: Soil Cat 6m - .70 G/SF/D  
 SHWT DESIGN DEPTH: Both 96" Design ELEV: 614  
 Minimum Required Area = 493 S/F  
 Area Provided = 284 @ Row x 2 = 568 S/F



TERRY LANE COMPANY  
 LAND USE FACILITATORS - REAL ESTATE PRACTITIONERS  
 15A Terry Ln, Chepachet, RI 02814 (401)568-8006 OWTSRI@GMAIL.COM

OWTS/WETLAND PLAN for:  
 JEFFREY LACE

Lake Washington Drive  
 Glocester AP LW/Lot 124

DRAWN BY TED	SCALE 1:30	1 of 2
CHK'D RAF	DATE 11/3/23	
TRACED	APP'D T.E.D.	

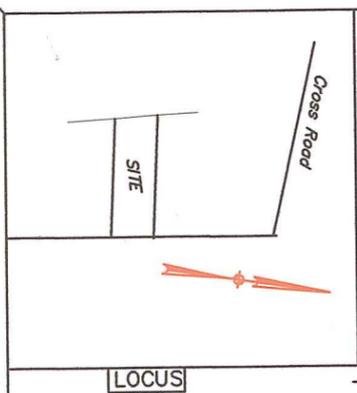
Refer to Wetland Permit Number 13 for Driveway Construction.

Robert F. Angilly, JR.  
 No. 3582  
 REGISTERED PROFESSIONAL ENGINEER

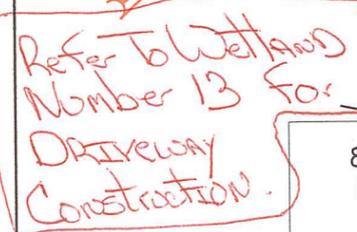
ROBERT F. ANGILLY, Jr. - Designer #3047

SET BENCHMARK #2  
 NAIL IN POLE EL.630.00

SET BENCHMARK #1  
 NAIL IN POLE EL. 633.00



LOCUS



8613-117 EXISTING OWTS

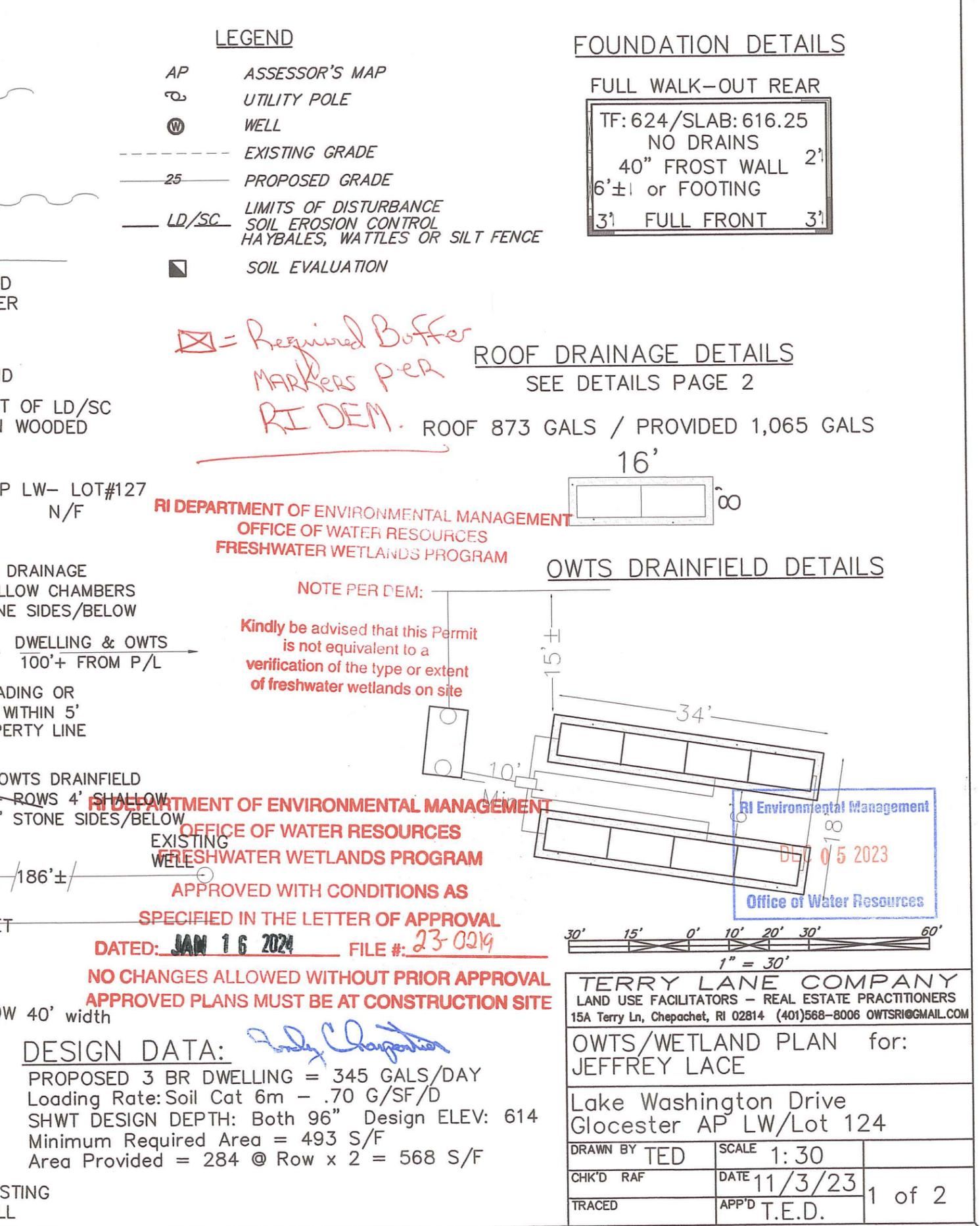
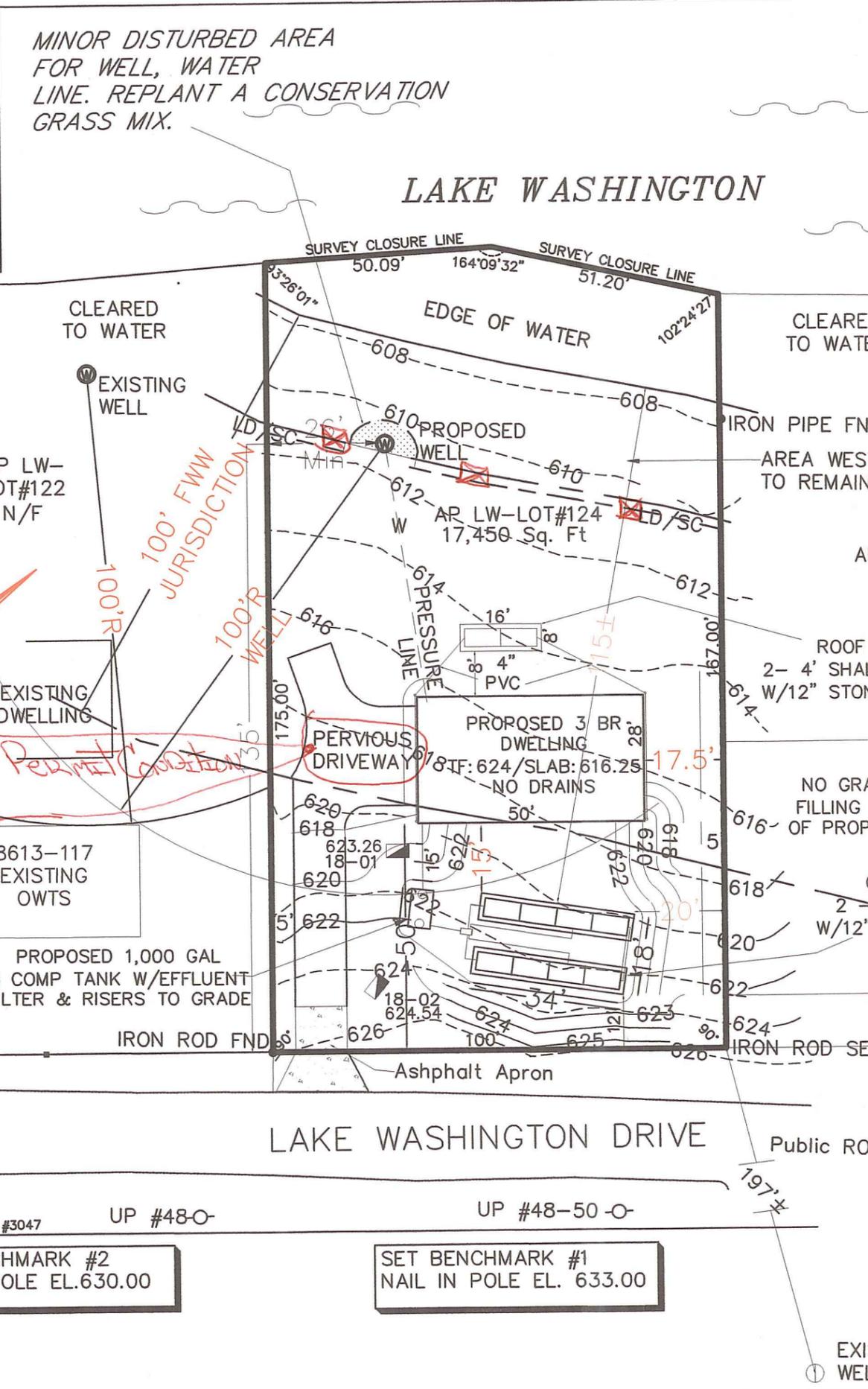
PROPOSED 1,000 GAL 2 COMP TANK W/EFFLUENT FILTER & RISERS TO GRADE

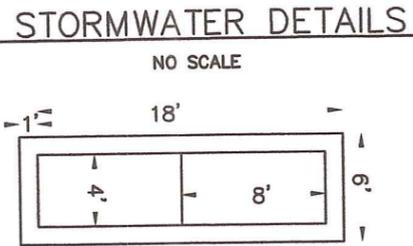
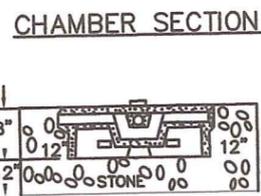
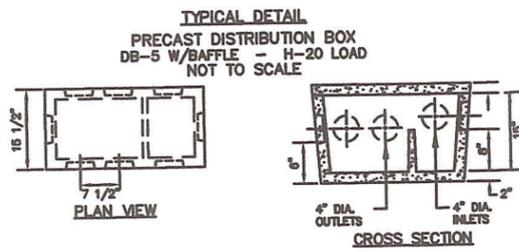
IRON ROD FND

UP #48-0-

ASHPHALT APRON

EXISTING WELL

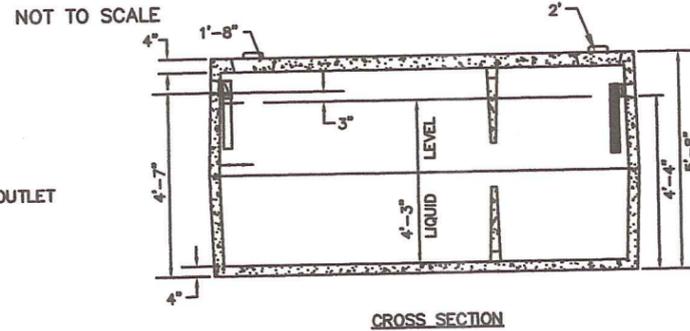
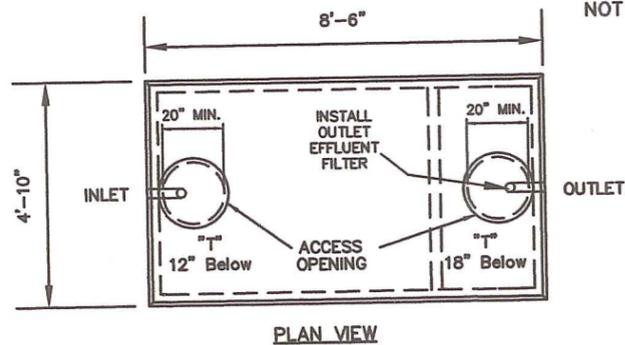




**STORMWATER DESIGN DATA:**

ROOF AREA 28' X 50' = 1400 SF X 7.48/12 = 873 GALS per INCH  
 FLOWDIFFUSORS END UNITS W/12" STONE SIDES AND BELOW  
 4 X 8 = 32 X 1' BELOW INV. = 32 CF X 7.48 GAL = 239.36 GALS  
 STONE BOTTOM 6 X 9 = 54 CF X 7.48 GAL = 403.92 X 40% = 161.57 GALS  
 SIDES 9 + 4 + 9 = 22'L X 2'D = 44 X 7.48 = 329.12 X 40 = 131.65 GALS  
 TOTAL EACH END = 532.58 GALS X 2 = 1065 GALS

1000 GALLON TYPICAL DETAIL



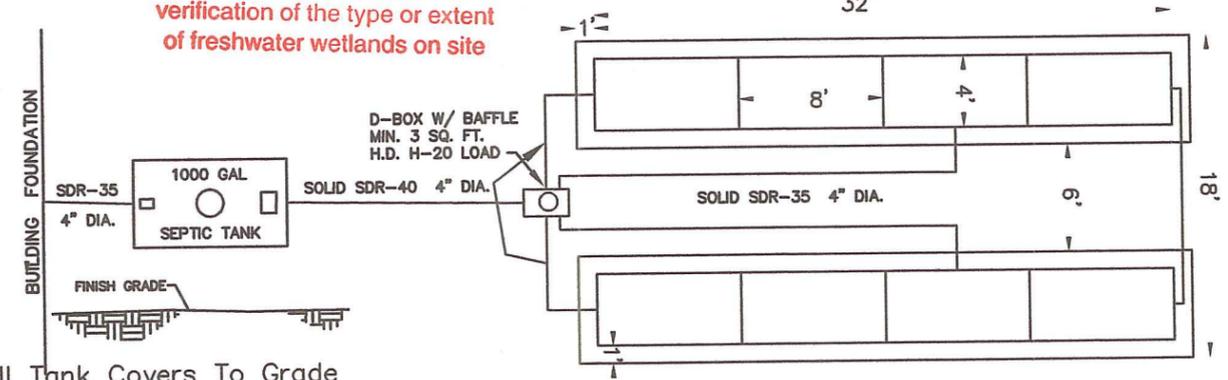
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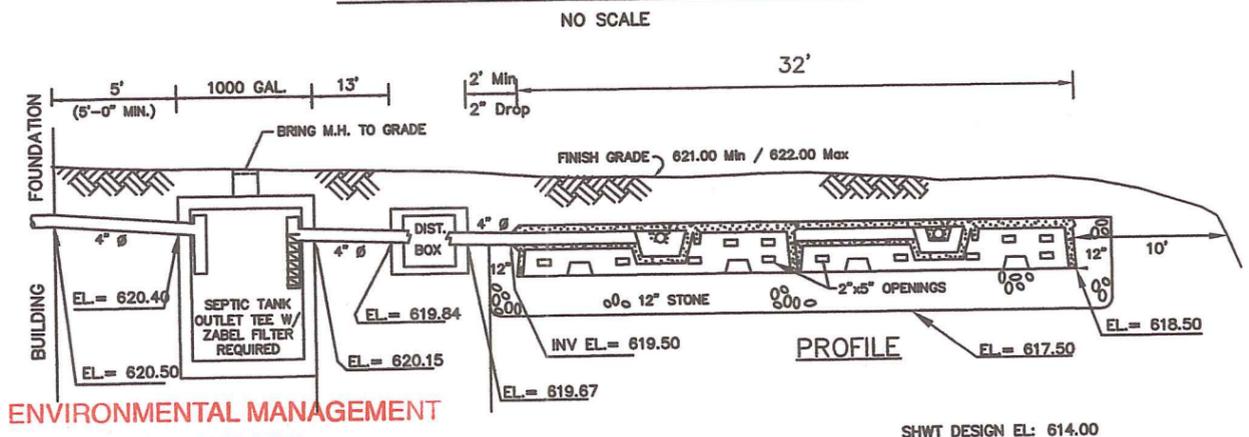


Bring All Tank Covers To Grade  
 Install Effluent Outlet Filter  
 SEE ATTACHED TYPICALS & DESIGN CRITERIA

**CHAMBER GENERAL NOTES NO STRIP**

- 1) SEE ATTACHED TYPICALS FOR DESIGN CRITERIA.
- 2) REMOVE ALL TREES, BRUSH, STUMPS AND BOULDERS FOR 10' AROUND SYSTEM.
- 3) THERE ARE NO OTHER KNOWN WELLS (EXISTING OR PROPOSED) WITHIN 200' OF PROPOSED OWTS. (IF APPLICABLE)
- 4) THERE ARE NO OTHER KNOWN OWTS (EXISTING OR PROPOSED) WITHIN 100' OF PROPOSED WELL. (IF APPLICABLE)
- 5) THERE ARE NO OTHER KNOWN PUBLIC WELLS (EXISTING OR PROPOSED) WITHIN 500' OF THE PROPOSED OWTS.
- 6) 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.
- 7) 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.
- 8) REMOVE ALL 'A' HORIZON (LOAM) AND THE 'B' HORIZON (SUBSOIL) ONLY AS NEEDED BELOW TRENCHES 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 CHAMBER WALL SHALL BE TWELVE (12) INCHES AND SHALL BE BACKFILLED WITH STONE TO THE TOP OF THE CHAMBER. THE STONE 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 WATERTIGHT 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.
- 9) NO SUBDRAINS ALLOWED WITHIN 25' OF LEACHING SYSTEM, INCLUDING FOUNDATION DRAIN.
- 10) ALL PIPING TO BE 4" SDR 35 OR EQUAL.
- 11) "D" BOX TO BE MIN. 3 SQ/FT BOTTOM AREA AND H20 LOAD CAPACITY. INSURE BAFFLE OR TEE INSTALLED.
- 12) "D" BOX AND SEPTIC TANK TO BE A MINIMUM DISTANCE OF 75' FROM WELL (IF APPLICABLE)
- 13) 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 WATERTIGHT 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 WATERTIGHT BY THE MANUFACTURER OR BY ONSITE TESTING. SITE ASSEMBLED TANKS MUST BE TESTED FOR LEAKAGE ON SITE.
- 14) PLUG ALL UNUSED INLETS/OUTLETS ON SIDE/END FEED CHAMBERS.

**SEWAGE DISPOSAL SYSTEM DETAILS**



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PROPOSED OWTS DETAILS  
 for JEFFREY LACE  
 LAKE WASHINGTON DR.  
 AP LW / LOT 124 DEC 5 2023

DRAWN BY TD	SCALE NTS	2 OF 2 Office of Water Resources
CHK'D TD	DATE 11-3-23	

*Andy Carpenter*