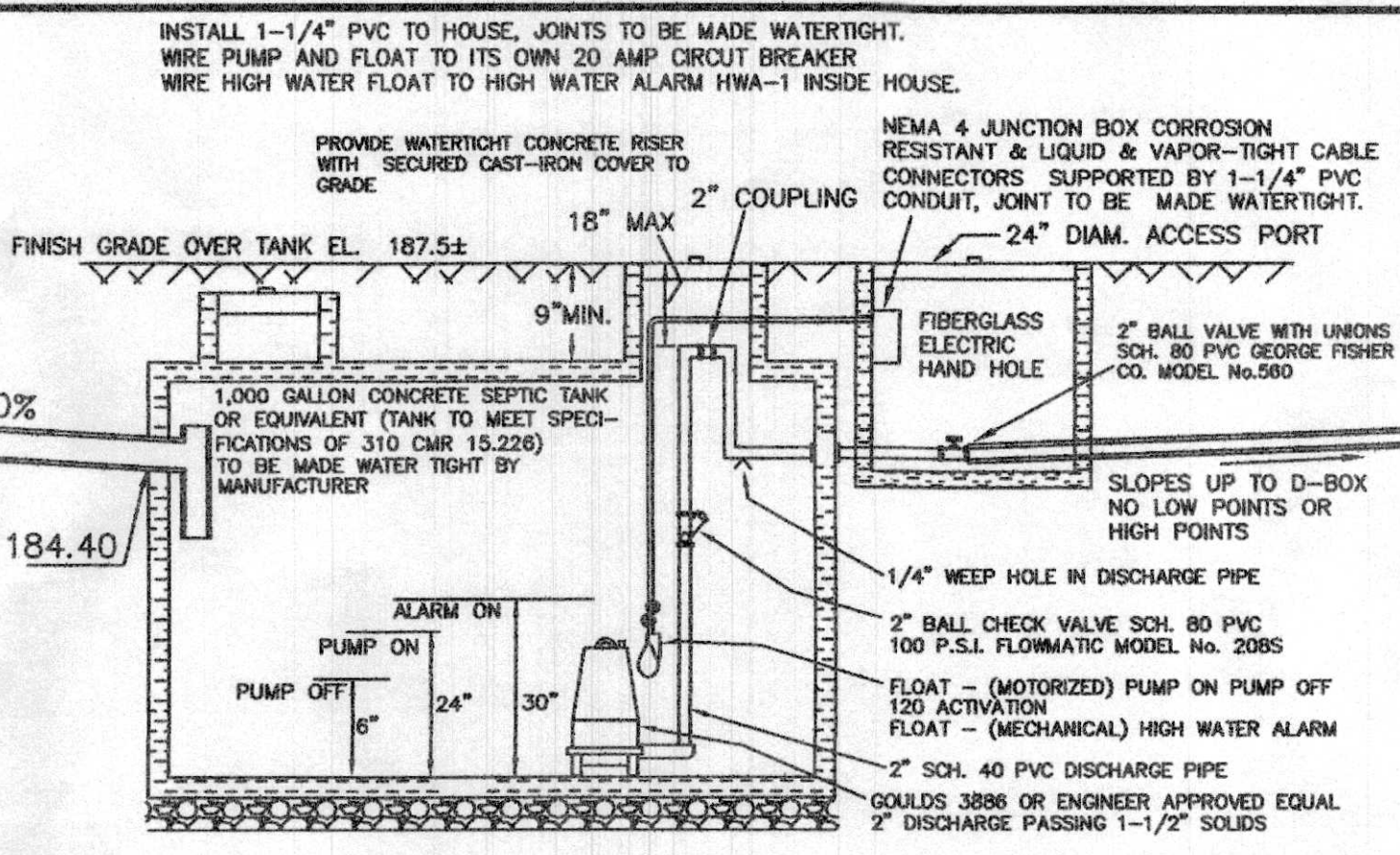
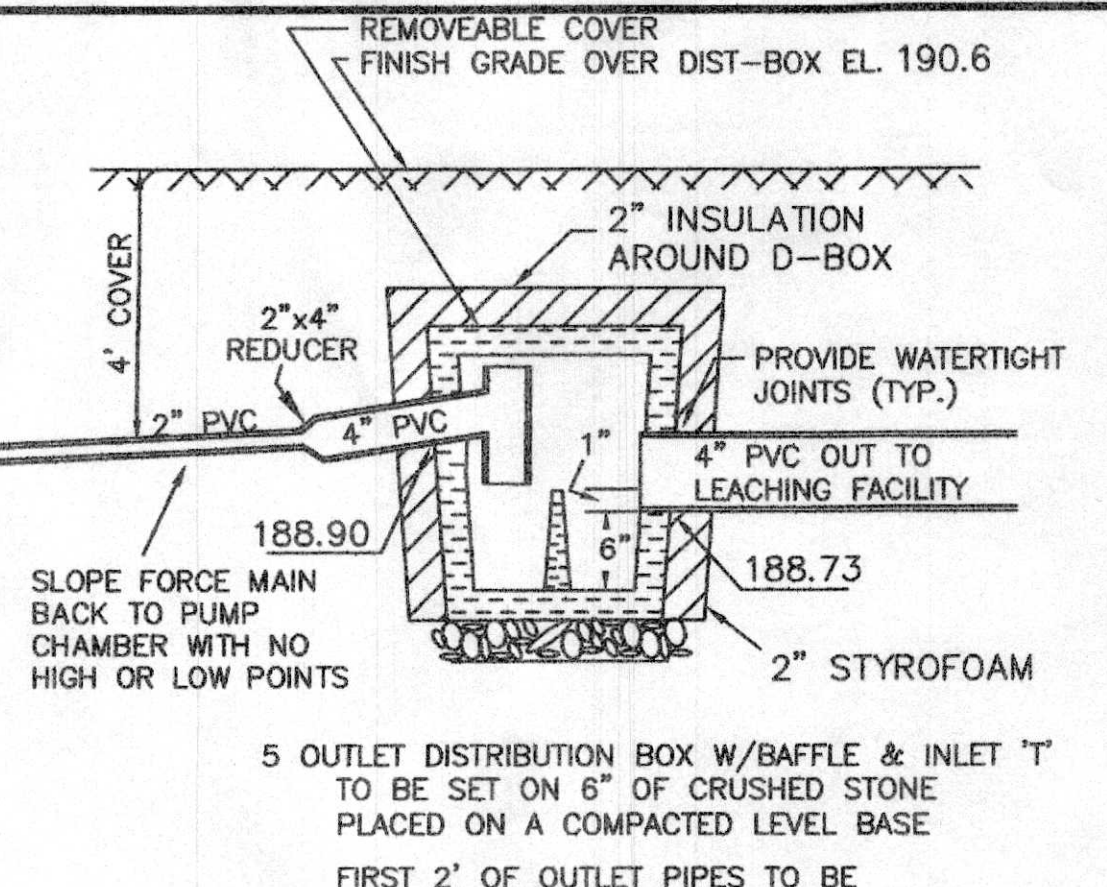


SEPTIC TANK PROFILE
N.T.S.



PUMP CHAMBER
N.T.S.

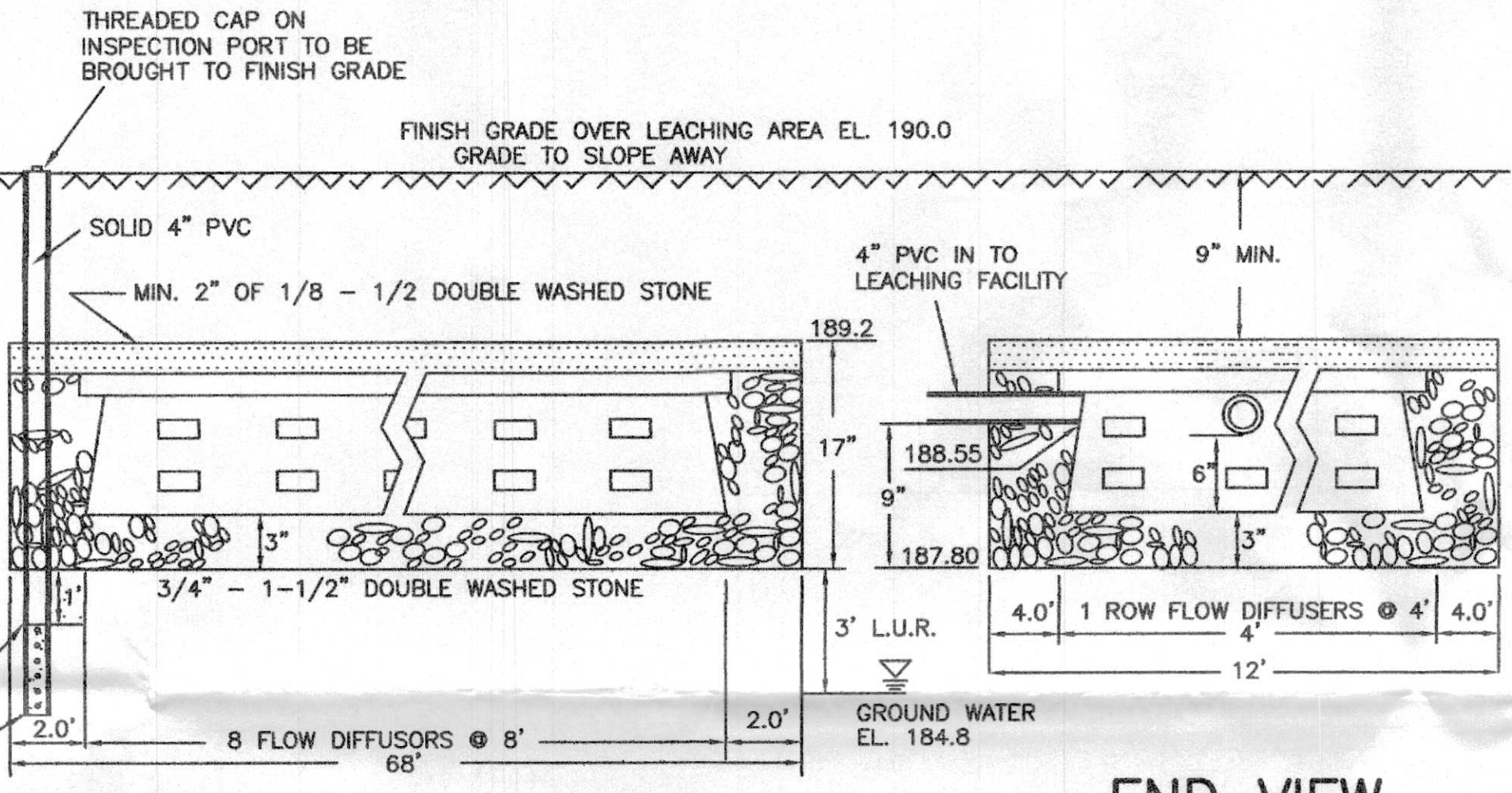
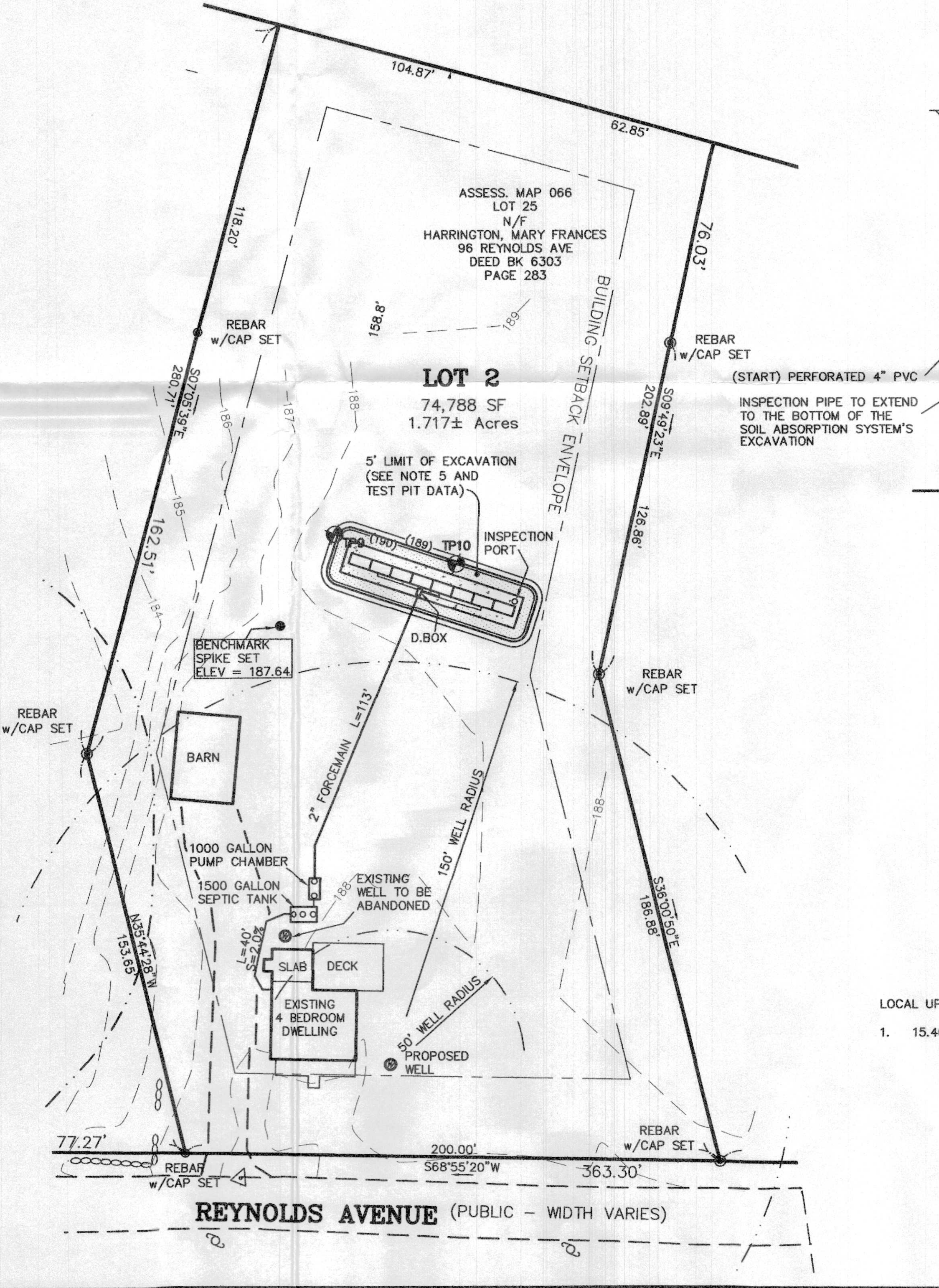


DISTRIBUTION BOX DETAIL
N.T.S.

IMPORTANT TEST
AFTER ELECTRIC METER IS COMPLETE, CONTRACTOR SHALL THROTTLE GATE VALVE TO INSURE FLOW OF OUTLETS OF DISTRIBUTION BOX IS LESS THAN HALF THE PIPE DIAMETER

- ### GENERAL NOTES
- THIS SEWAGE DISPOSAL SYSTEM SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE REGULATIONS OF TITLE 5 OF THE STATE ENVIRONMENTAL CODE AND THE REGULATIONS OF THE LOCAL BOARD OF HEALTH.
 - THE LOCAL BOARD OF HEALTH AND THIS FIRM ARE TO BE NOTIFIED:
 - PRIOR TO BEGINNING CONSTRUCTION IN THE EXCAVATION FOR THE PURPOSE OF SOIL EXAMINATION TO INSURE CONTINUITY OF PERMEABLE MATERIAL.
 - PRIOR TO BACKFILLING THE COMPLETED SYSTEM FOR THE PURPOSE OF PERFORMING AN AS-BUILT INSPECTION.
 - PRIOR TO CONSTRUCTING THE SYSTEM IN A MANNER OTHER THAN SHOWN ON THIS DESIGN.
 - CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION THROUGH DIG SAFE AND OTHER APPROPRIATE AGENCIES. REPORT ANY DISCREPANCIES TO THE DESIGN ENGINEER.
 - ALL SEPTIC SYSTEM COMPONENTS SHALL WITHSTAND H-10 LOADING UNLESS LOCATED IN AREAS UNDER PAVEMENT, DRIVES OR TRAVELLED WAY IN WHICH CASE THEY SHALL WITHSTAND H-20 LOADING.
 - WHERE REQUIRED CONTRACTOR WILL REMOVE ALL LOAM, SUBSOIL AND OTHER UNSUITABLE MATERIAL IN THE AREA BENEATH AND FOR 5 FEET ON ALL SIDES OF THE LEACHING FACILITY. THE CONTRACTOR SHALL REPLACE ALL UNSUITABLE MATERIAL WITH CLEAN COARSE SAND FREE FROM CLAY, FINES OR OTHER UNSUITABLE MATERIAL. REPLACEMENT MATERIAL TO HAVE AN INPLACE PERC RATE OF TWO MINUTES OR LESS.
 - 4" SCHEDULE 40 PVC PIPE WITH TIGHT JOINTS TO BE USED IN DISPOSAL SYSTEM UNLESS OTHERWISE NOTED.
 - THIS SYSTEM IS NOT DESIGNED FOR USE WITH A GARBAGE DISPOSAL
- INSPECTION AND AS-BUILT REQUIREMENTS**
THE ENTIRE SYSTEM TO BE INSTALLED INCLUDING BUT NOT LIMITED TO RISERS, PUMPS AND ELECTRICAL SHALL BE OPERATIONAL.
FOR PUMP SYSTEMS - ALL FLOATS WITH WEIGHTS TO BE SET AND SIGNED OFF BY THE ELECTRICAL INSPECTOR

NOTE:
ALL SYSTEM COMPONENTS SHALL BE MARKED WITH A MAGNETIC MARKING TAPE OR A COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED



4' x 8' LOWBOY FLOW DIFFUSER PROFILE
N.T.S.

BY BRISTOL COUNTY PRECAST OR ENGINEER APPROVED EQUAL PLASTIC CHAMBERS ARE NOT A SUITABLE REPLACEMENT

TEST PIT DATA

WITNESS: KARL DRUIN DATE: 10/21/19
PERFORMED BY: JAMES HALL

TEST PIT #	EL. TOP	EL. WATER	PERC RATE
9	187.8	184.8	5 M.P.I.
10	187.8	184.8	

DEPTH	SOIL TYPE	ACTION
0" - 8"	A SANDY LOAM 10YR 3/1	REMOVE & REPLACE
8" - 22"	B SANDY LOAM 10YR 6/8	REMOVE & REPLACE
22" - 100"	C SANDY LOAM 10YR 7/1	

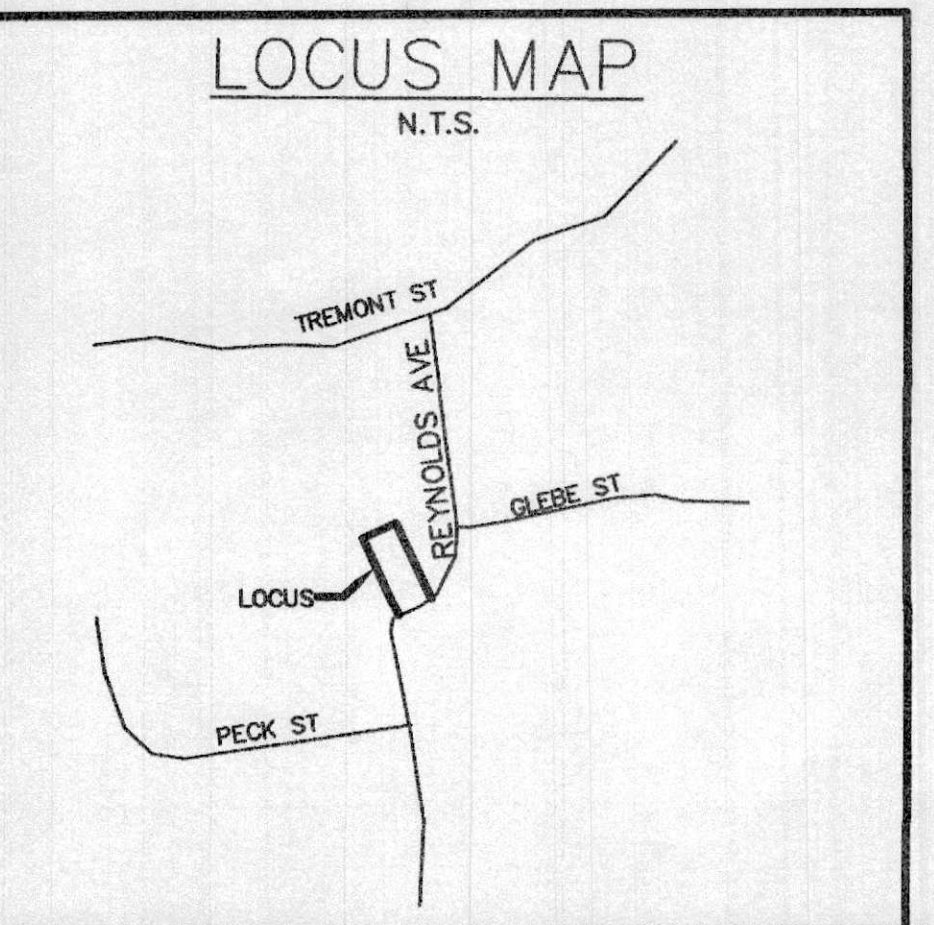
DESIGN DATA

CAPACITY REQUIRED
4 BEDROOMS AT 110 GAL./DAY/BDRM. = 440 GAL./DAY
PLUS 25% PER TOWN OF REHOBOTH REGULATIONS = 412.5 GAL./DAY

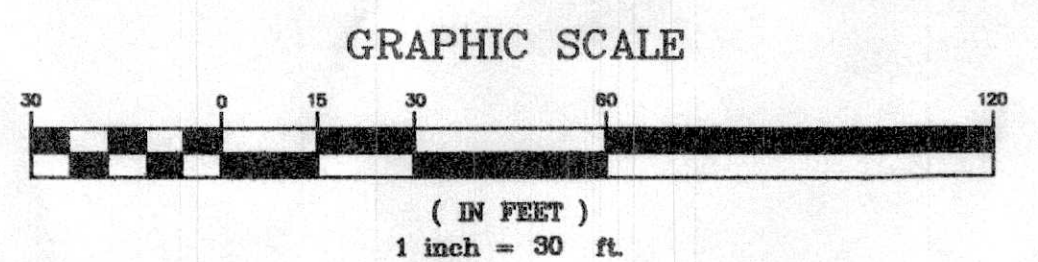
SEPTIC TANK
440 GALS X 200% = 880 GALS. DESIGN CAPACITY
USE 1,500 GALLON SEPTIC TANK

CAPACITY PROVIDED
SYSTEM SIZE: LEACH FIELD 0.75'H X 12'W X 68'L
BOTTOM AREA: 12' W X 68' L = 816 SF. X 0.60 = 816 GAL./DAY
SIDEWALL AREA: (0.75' D X 68' L)2 = 102 SF. X 0.60 = 61.2 GAL./DAY
ENDWALL AREA: (0.75' D X 12' W)2 = 18 SF. X 0.60 = 10.8 GAL./DAY

TOTALS
TOTAL LEACHING AREA: 936 S.F.
TOTAL LEACHING CAPACITY: 561 GPD



LOCAL UPGRADE REQUEST:
1. 15.405(1)(h) REDUCTION IN SEPARATION TO GROUNDWATER FROM 4' TO 3'.



LEGEND

---	100	EXISTING CONTOUR
---	100	PROPOSED CONTOUR
⊕		TEST PIT
⊙		SEPTIC TANK
⊙		PUMP CHAMBER
□		DIST. BOX
⊙		WELL
---		LIMIT OF WETLAND
---		WETLAND FLAG

SEWAGE DISPOSAL SYSTEM DESIGN

PREPARED FOR: Ed Dudley
96 Reynolds Ave
Rehoboth, MA 02769

LOCATION: 96 REYNOLDS AVE
REHOBOTH, MA 02769

DATE: 5/12/2020 SCALE: 1" = 30' DRAWN: MH CHECKED: T.C. JOB NO.: 2020-110 DWG. NO.: 2020-110.dwg

Mount Hope ENGINEERING INC.
CIVIL/ENVIRONMENTAL SERVICES
1788 G.A.R. HIGHWAY Swansea, MA 02777 (508) 379-1234
P.O. BOX 943 Portsmouth, RI 02871 (401) 683-1934