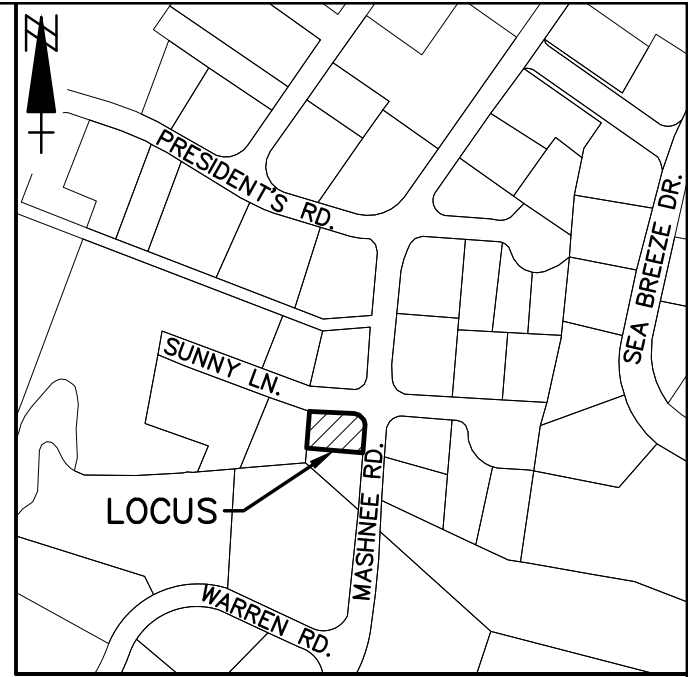


LOT COVERAGE NOTES (FOR ZONING PURPOSES)
 ZONING BYLAW SECTION 2456 TABLE: NONCONFORMING LOT
 SIZE: 6,000-7,000 S.F.

	EXISTING	PROPOSED	MAXIMUM ALLOWABLE
BY STRUCTURES	15.1%	18.0%	25%

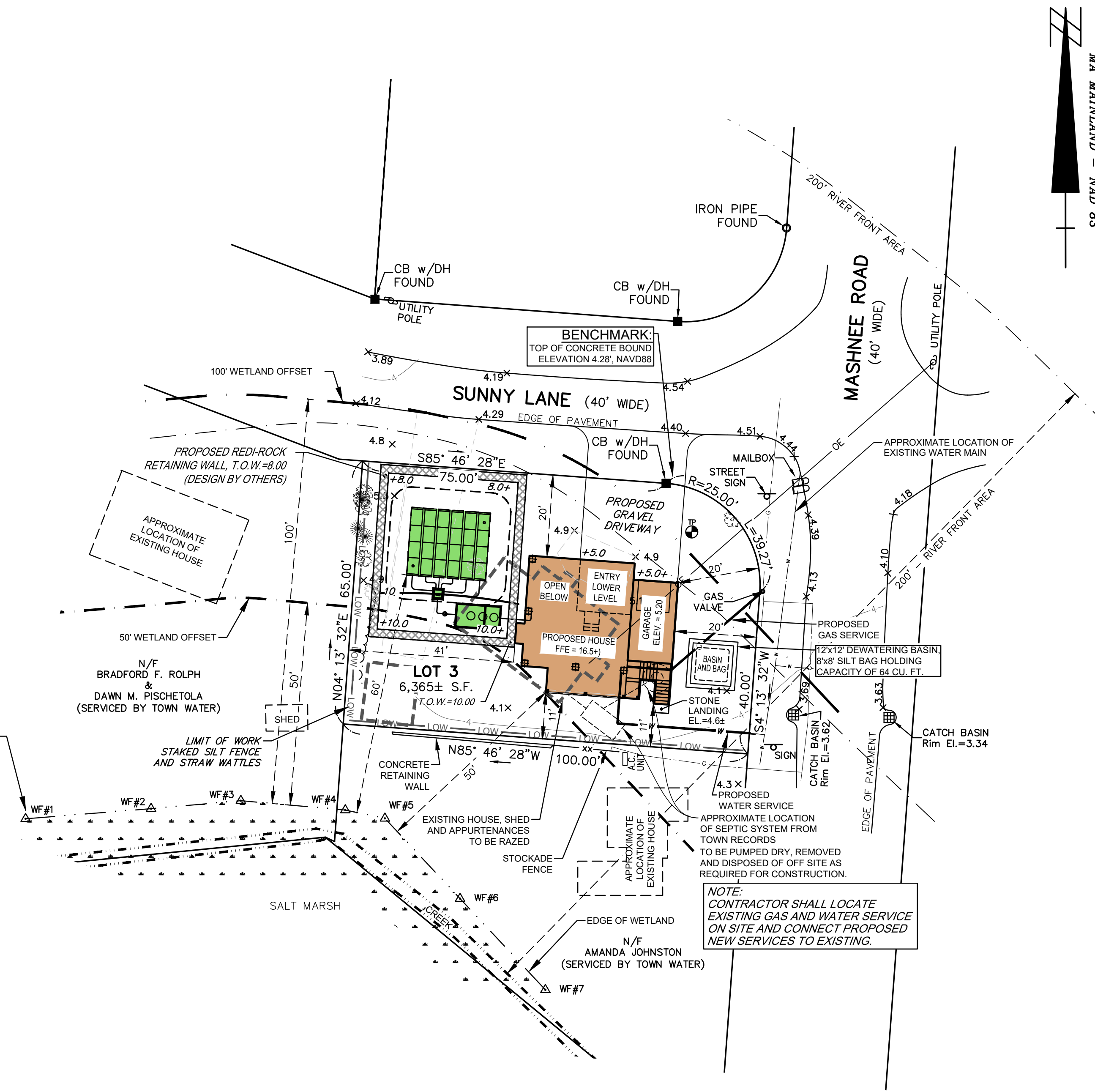
NOTE:
 THE LOCATION OF THE UTILITIES ARE SHOWN AS MARKED ON THE GROUND BY OTHERS.



LOCUS MAP
NOT TO SCALE

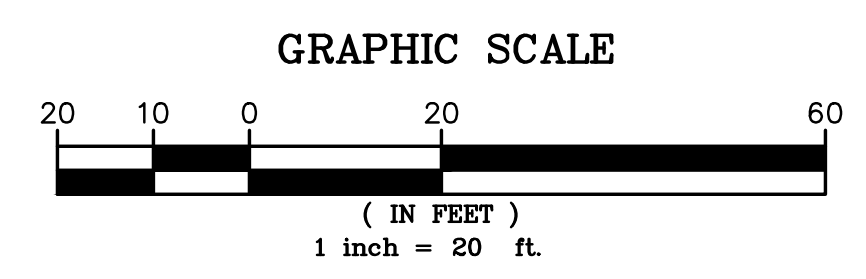
LOCAL UPGRADE APPROVALS REQUIRED:

NO.	DESCRIPTION	REQUIRED	PROPOSED	VARIANCE
1	WETLAND SETBACK TO SOIL ABSORPTION SYSTEM	150 FT.	60 FT.	90 FT.



WETLAND BOUNDARY WAS FLAGGED BY NATHAN R. GOSHGARIAN, WETLAND SCIENTIST WITH HOLMES AND MCGRATH ON MARCH 10, 2022.

NOTE:
 CONTRACTOR SHALL LOCATE EXISTING GAS AND WATER SERVICE ON SITE AND CONNECT PROPOSED NEW SERVICES TO EXISTING.

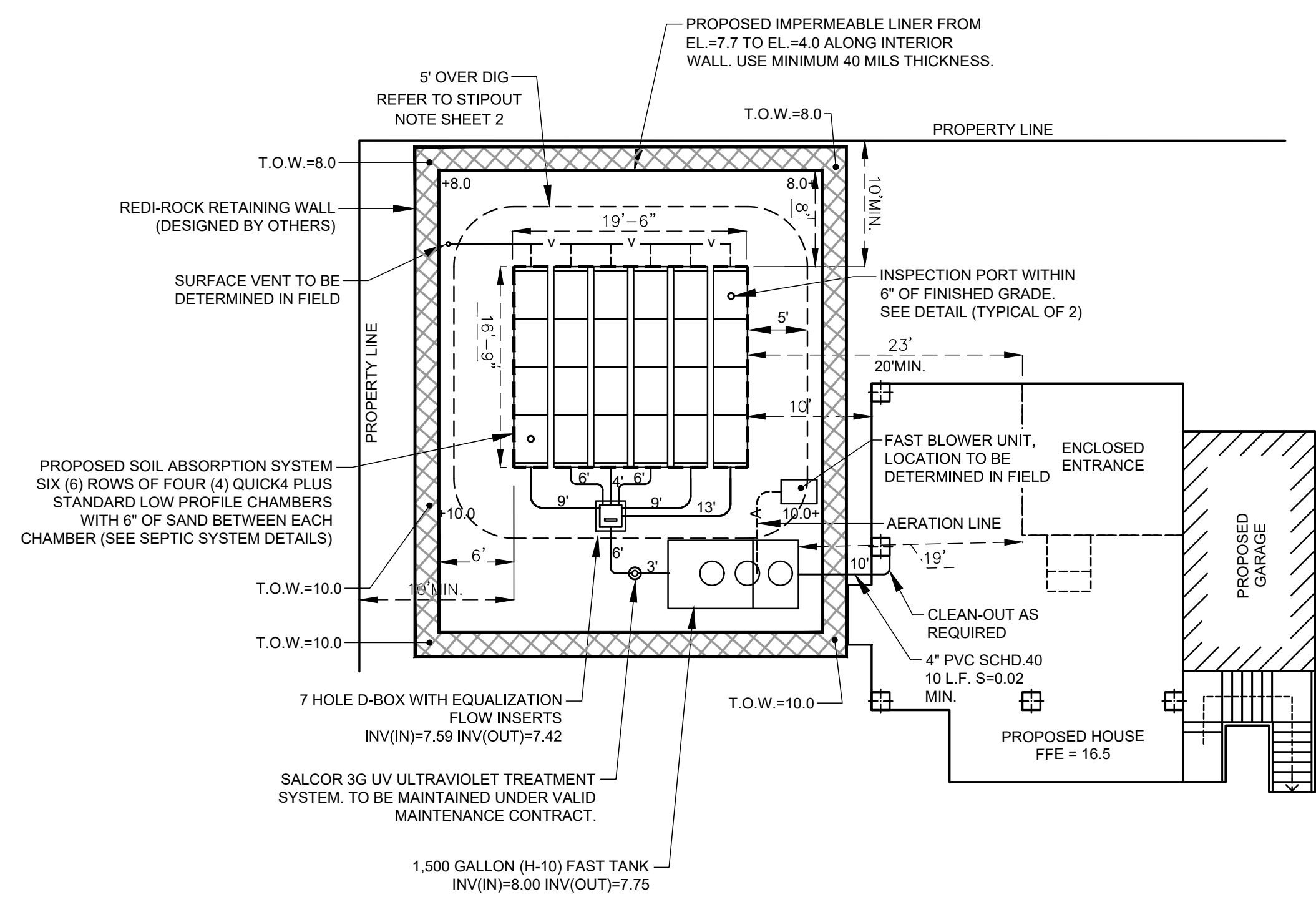


DIG-SAFE NOTE

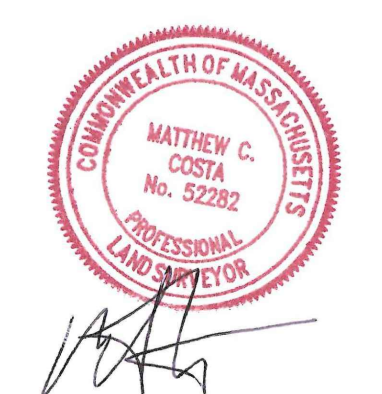
THE CONTRACTOR SHALL REQUEST THAT DIG-SAFE AND TOWN LOCATE AND MARK ALL UTILITIES PRIOR TO THE START OF WORK. THE LOCATIONS OF UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND SHALL BE CONFIRMED PRIOR TO THE START AND AS NEEDED FOR THE DURATION OF ALL WORK.

NOTES

- HOUSE NUMBER: 3 SUNNY LANE
- ASSESSOR'S NUMBER: 26.3-25
- ZONING DISTRICT: R40
- FLOOD HAZARD ZONES: AE (EL.15)
NOTE: ENTIRE LOT IS LOCATED IN LAND SUBJECT TO COASTAL STORM FLOWAGE.
- BENCHMARK: CATCH BASIN RIMS AS SHOWN
- TOPOGRAPHIC INFORMATION BASED ON AN ON THE GROUND INSTRUMENT SURVEY.
- ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988
- REFERENCE: PLAN BOOK 84, PAGE 27
 PLAN BOOK 111, PAGE 53
- DEED: BOOK 33095 PAGE 347
- WIND EXPOSURE CATEGORY: C
- ENTIRE LOT IS LOCATED WITHIN THE RIVERFRONT AREA.

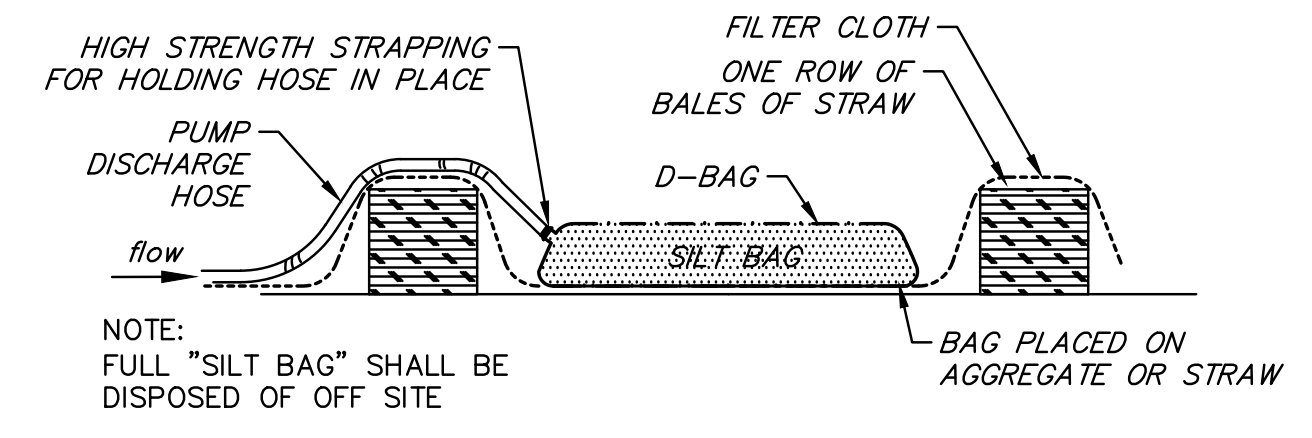


SEPTIC SYSTEM LAYOUT
1" = 10'

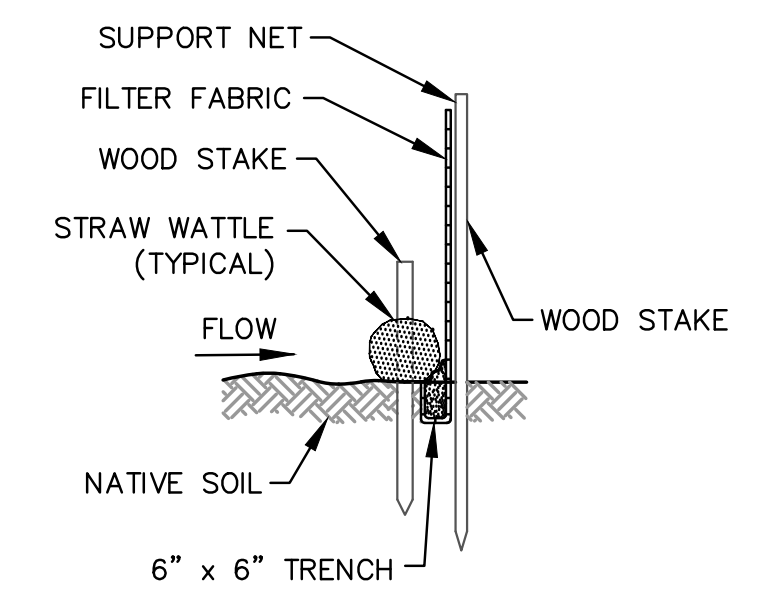


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 By Bourne Health Department at 2:24 pm, Nov 22, 2022

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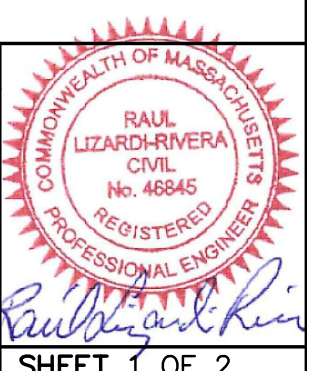


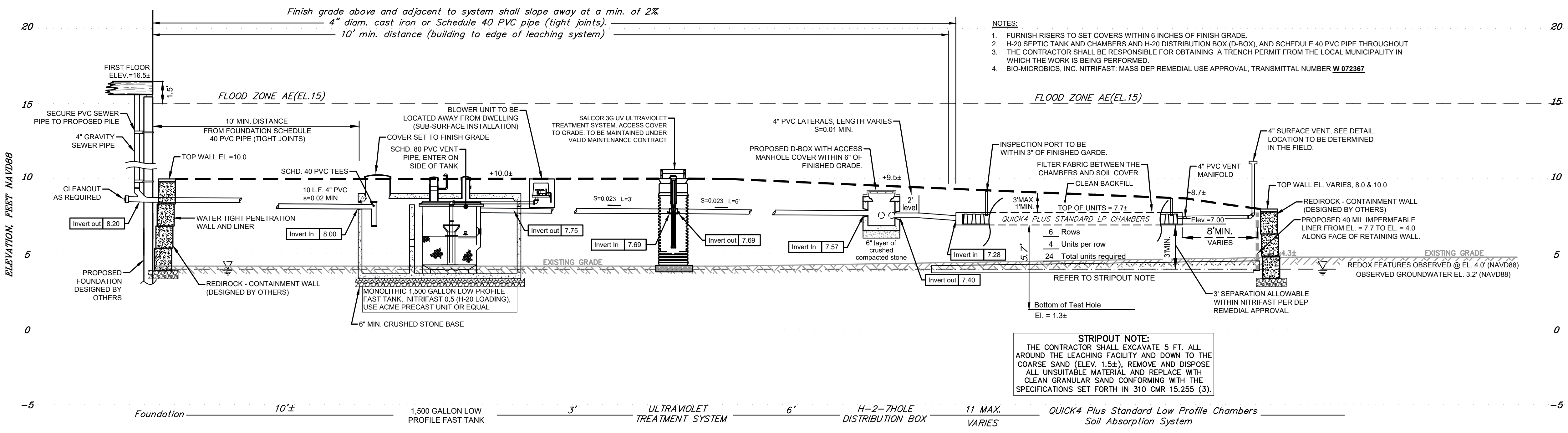
DEWATERING CONTROL SYSTEM DETAIL
NOT TO SCALE



STRAW WATTLE W/ SILT FENCE
NOT TO SCALE

DATE	DESCRIPTION	Drawn	Checked
REVISIONS			
PLAN OF PROPOSED SEWAGE DISPOSAL SYSTEM PREPARED FOR LIAM COYNE FOR LOT 3, #3 SUNNY LANE IN BOURNE, MA			
SCALE: 1"=20'	DATE: AUG. 8, 2022		
holmes and mcgrath civil engineers and land surveyors 205 worcester court-suite a4-falmouth, ma-02540 508-548-3564 www.holmesandmcgrath.com			
DRAWN: PJR, LAC	CHECKED:		
JOB NO: 221279	DWG. NO.: 89-4-89A	SHEET 1 OF 2	





SEWAGE SYSTEM PROFILE
SCALE: 1/4" = 1'

SOIL TEST

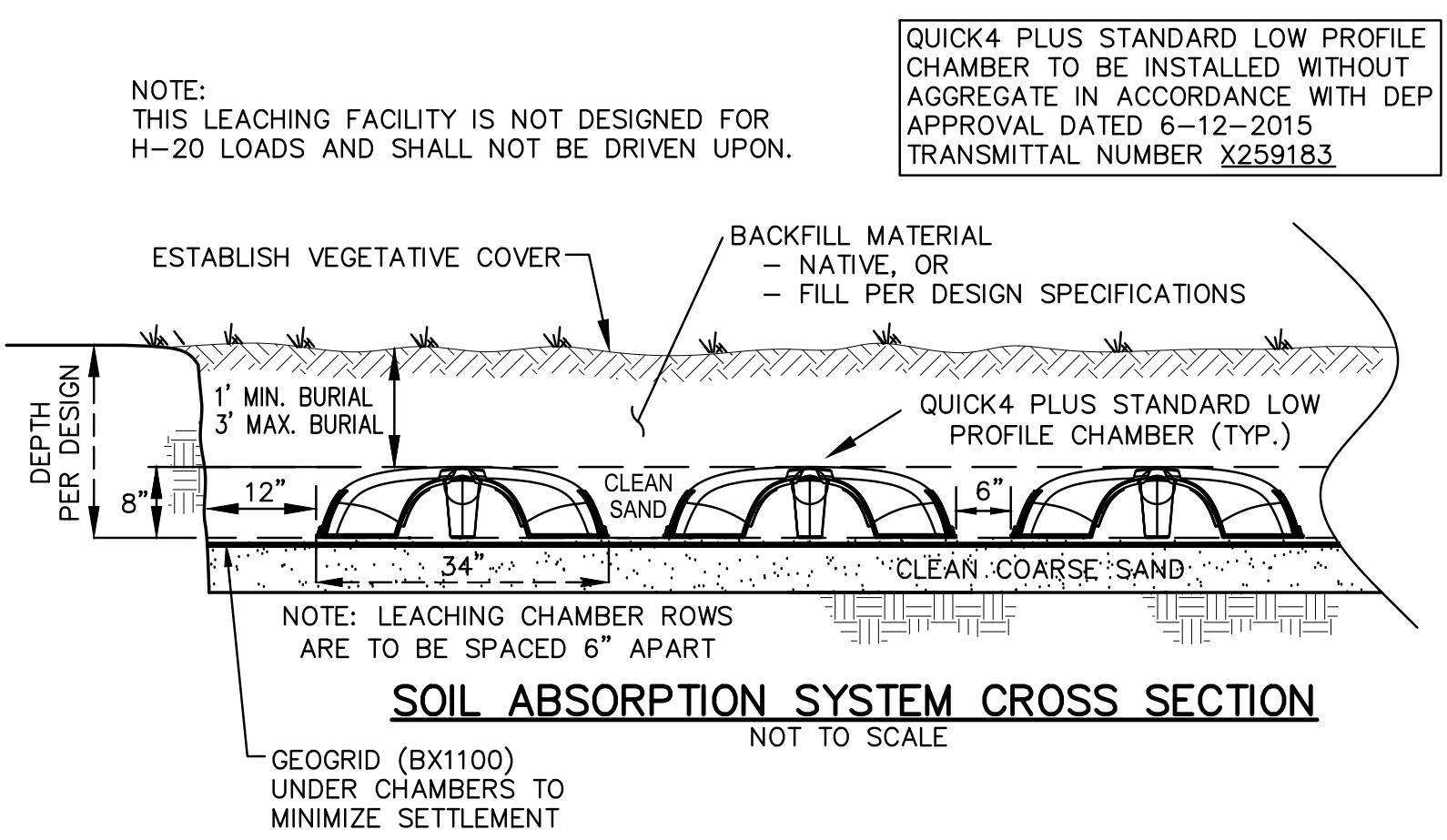
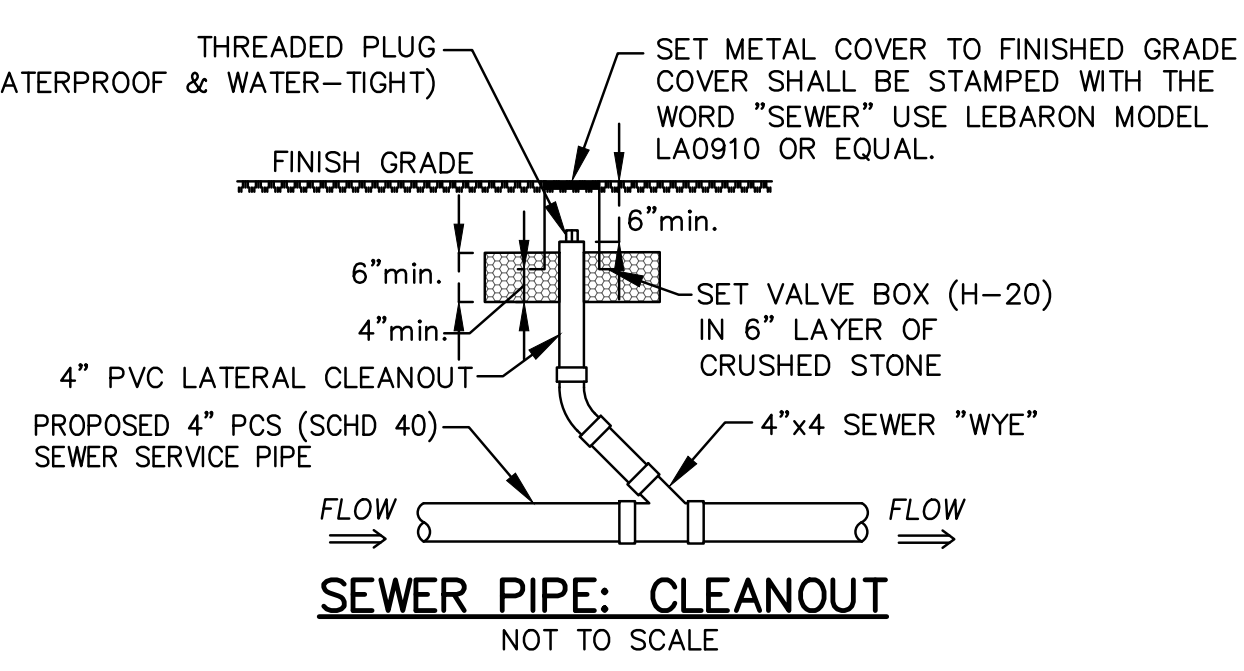
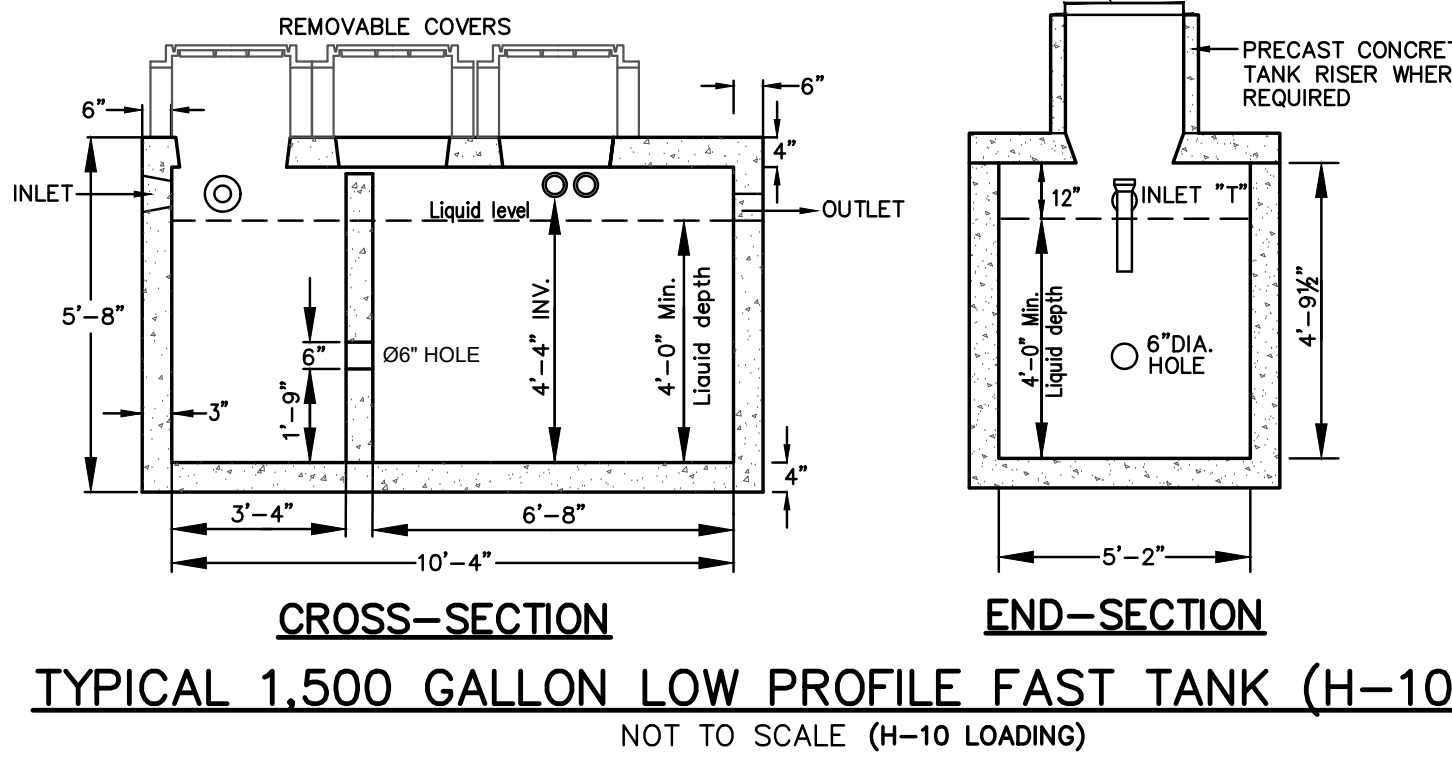
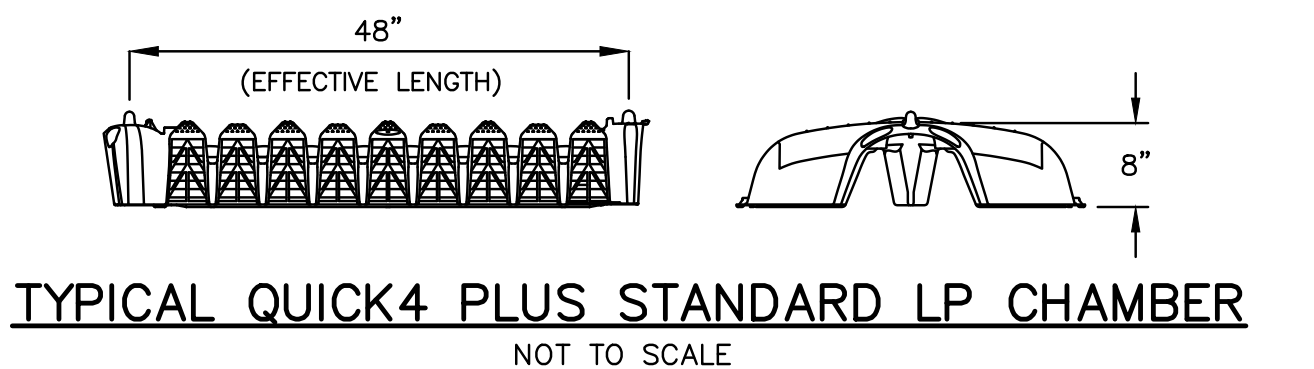
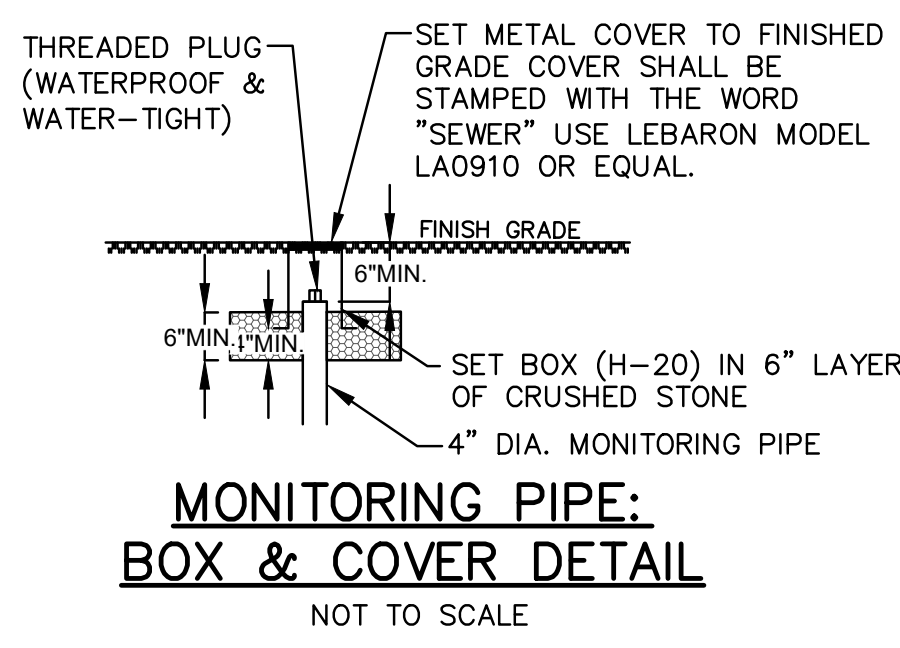
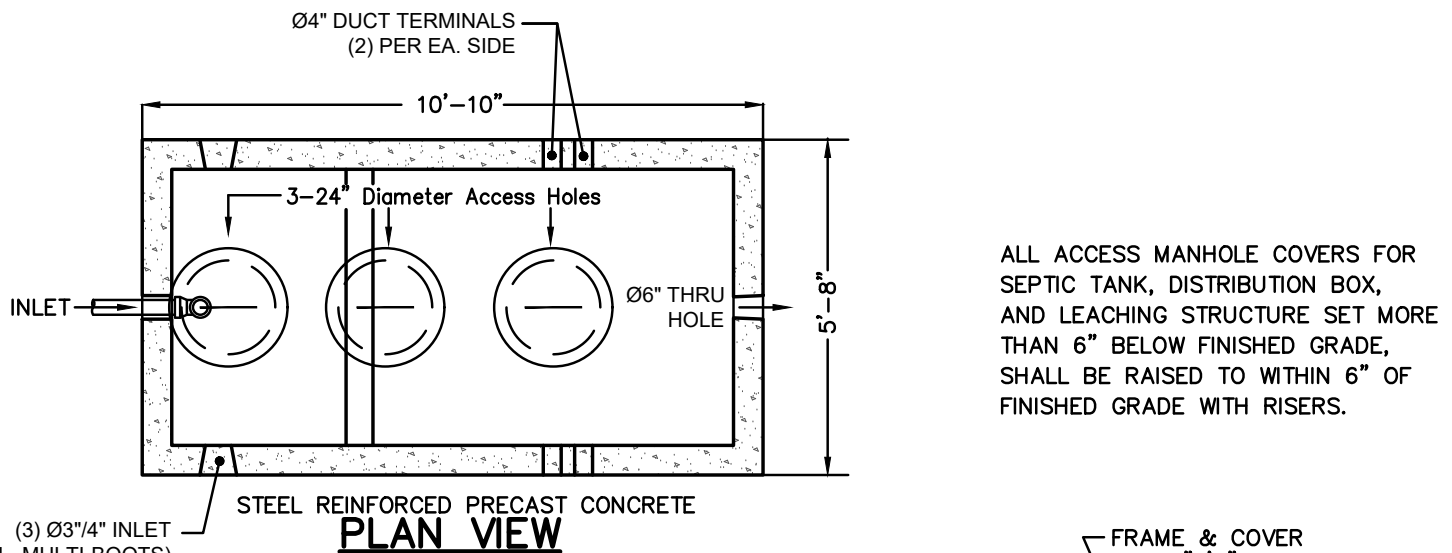
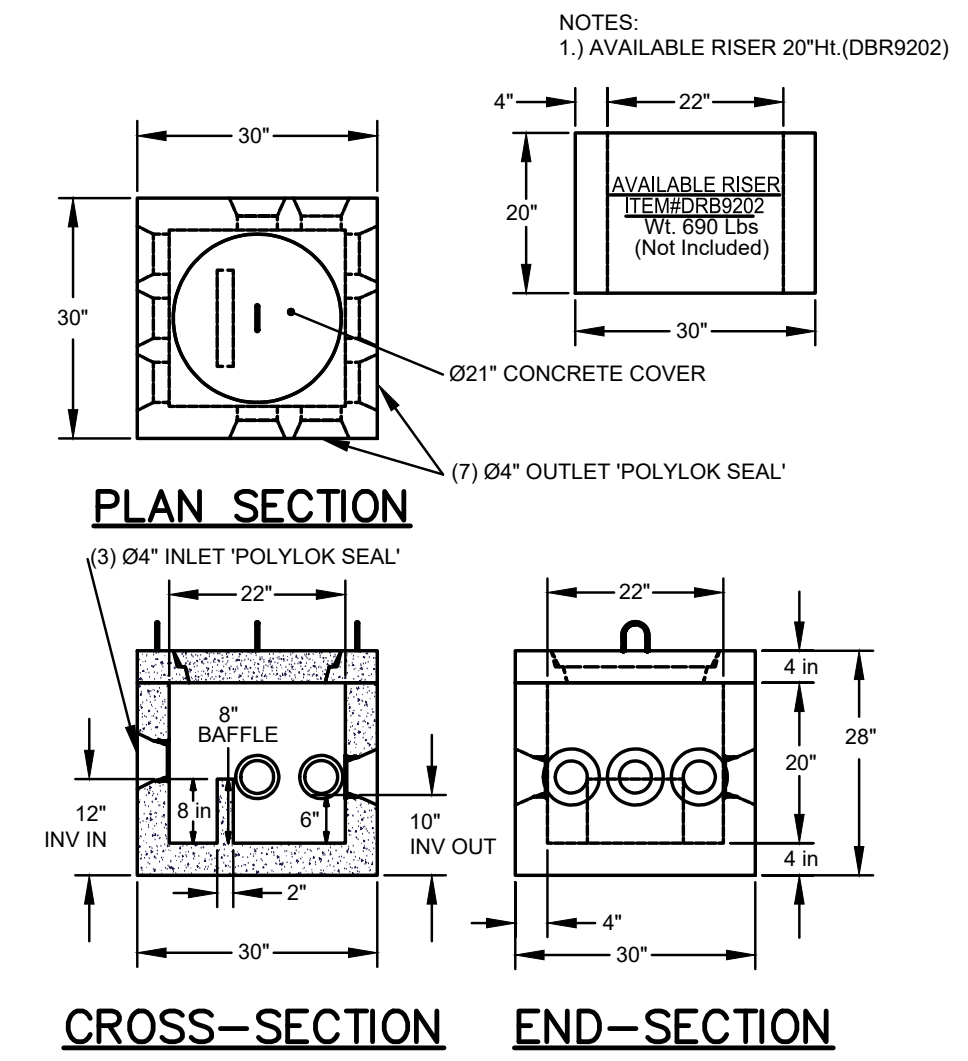
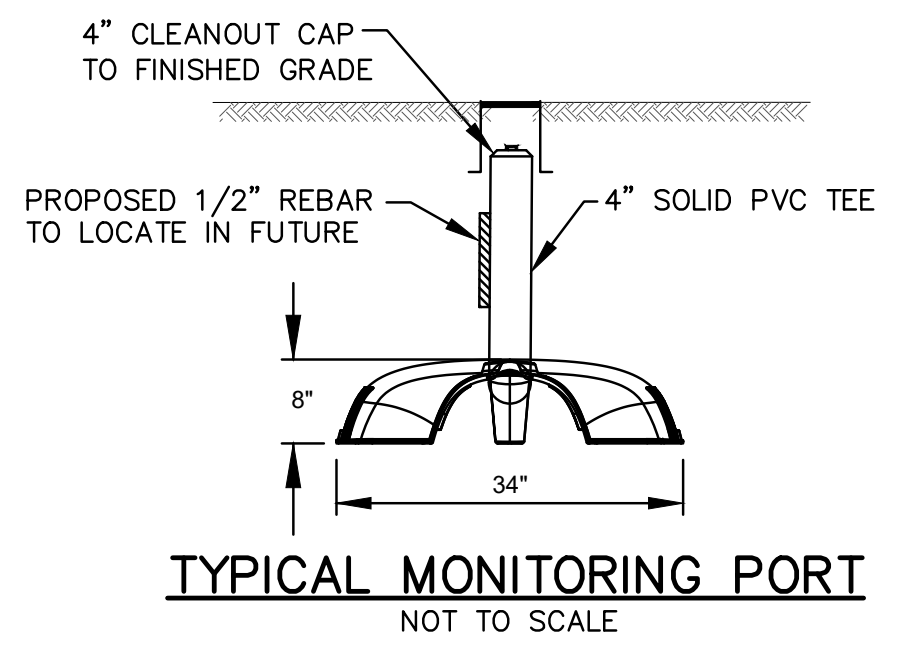
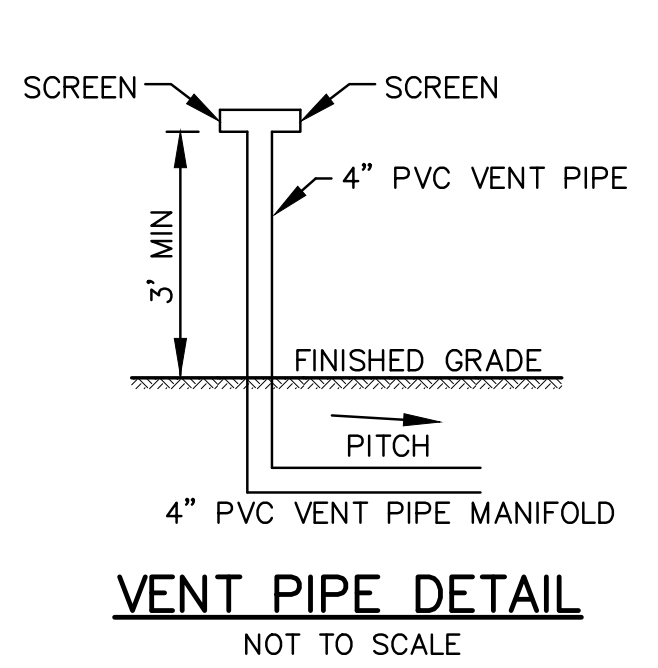
Date of soil test: 03/17/2022
 Test taken by: L. CARREIRO
 Results witnessed by: T. GUARINO
 Percolation rate: < 2 MIN./IN.
 Ground water 4" (EL.=4.0 - REDOX FEATURES)

DEEP OBSERVATION HOLE LOG NO. 1						
DEPTH	ELEV.	SOIL HORIZON	SOIL TEXTURE (USDA)	SOIL COLOR (Munsell)	SOIL MOTTLING	OTHER (STRUCTURES, STONES, BOULDERS, CONSISTENCY, & GRAVEL)
0"	4.3					
0"-4"	4.0	A	LOAMY SAND	2.5 Y 5/3		
4"-19"	2.7	B	MEDIUM SAND	5 Y 5/3	● 4" DEPTH	
19"-36"	1.3	C	MEDIUM SAND	5 Y 5/4		

STANDING WATER @ 13", REDOX FEATURES OBSERVED @ 4" BELOW GRADE

DESIGN CRITERIA

Number of bedrooms 3
 Garbage disposal unit: NO
 Leaching area - capacity required: 3x110 = 330 gal./s/day or 446 square feet
 6 rows of 4 = 24 total units, each unit = 4.00 feet, total length = 96 feet
 DEP Approval: 4.73 sf/lf (QUICK4 PLUS STANDARD LOW PROFILE (3.3" Invert))
 Total area proposed: 4.73 sf/lf x 96 feet = 454 square feet
 Proposed leaching capacity: 336 gal./s/day (LTAR = 0.74 gpd/sf)
 Water supply: TOWN
 Septic Tank Capacity 1,500 GAL.
 330 X 200% = 660 GAL.
 Chamber units: H-10 loading design



GENERAL NOTES

- 1) No change to this system shall be made unless approved in writing by Holmes and Mcgrath.
- 2) Subject to inspection during construction by the Board of Health and Holmes and Mcgrath.
- 3) Heavy construction equipment shall not travel over disposal system during or after construction.
- 4) Disposal system to be constructed in accordance with Title 5 of the State Environmental Code.
- 5) A copy of these plans must be kept on the site during the time of construction.
- 6) A copy of these plans must be furnished to the contractor constructing the disposal system.
- 7) Before backfilling, the contractor shall notify Holmes and Mcgrath, Inc., and the Board of Health Agent to inspect the system as constructed.
- 8) If the contractor encounters any variation between the existing conditions shown on the plan and the conditions encountered on the site, or any soil condition different than shown on the soil log, or any adverse soil, the contractor shall immediately contact Holmes and Mcgrath. Holmes and Mcgrath will examine the soil condition and report to the owner any suggested revisions.

RECEIVED
 By Bourne Health Department at 2:24 pm, Nov 22, 2022

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DATE	DESCRIPTION	Drawn	Checked
REVISIONS			
PLAN (CONSTRUCTION DETAILS) OF PROPOSED SEWAGE DISPOSAL SYSTEM PREPARED FOR LIAM COYNE FOR LOT 3, #3 SUNNY LANE IN BOURNE, MA			
SCALE: AS SHOWN	DATE: AUG. 8, 2022		
DRAWN: LAC	CHECKED:		
JOB NO: 221279	DWG. NO.: 89-4-89A		SHEET 2 OF 2