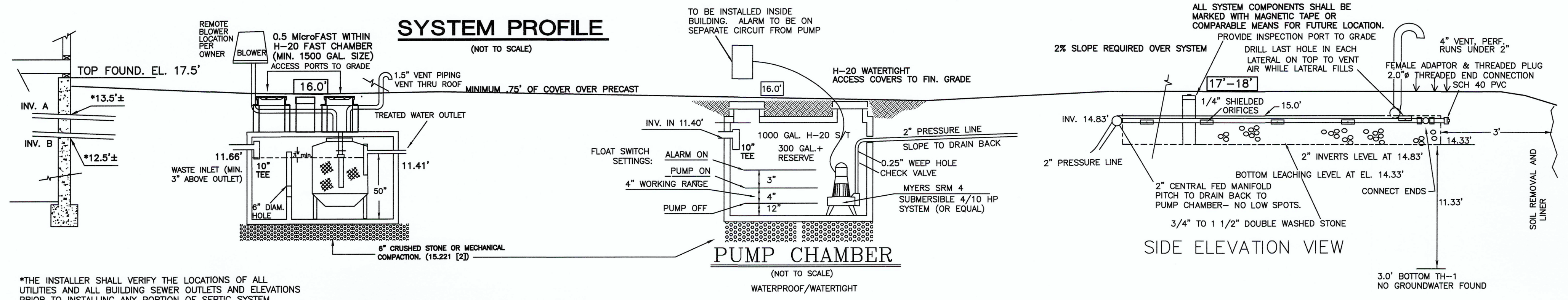


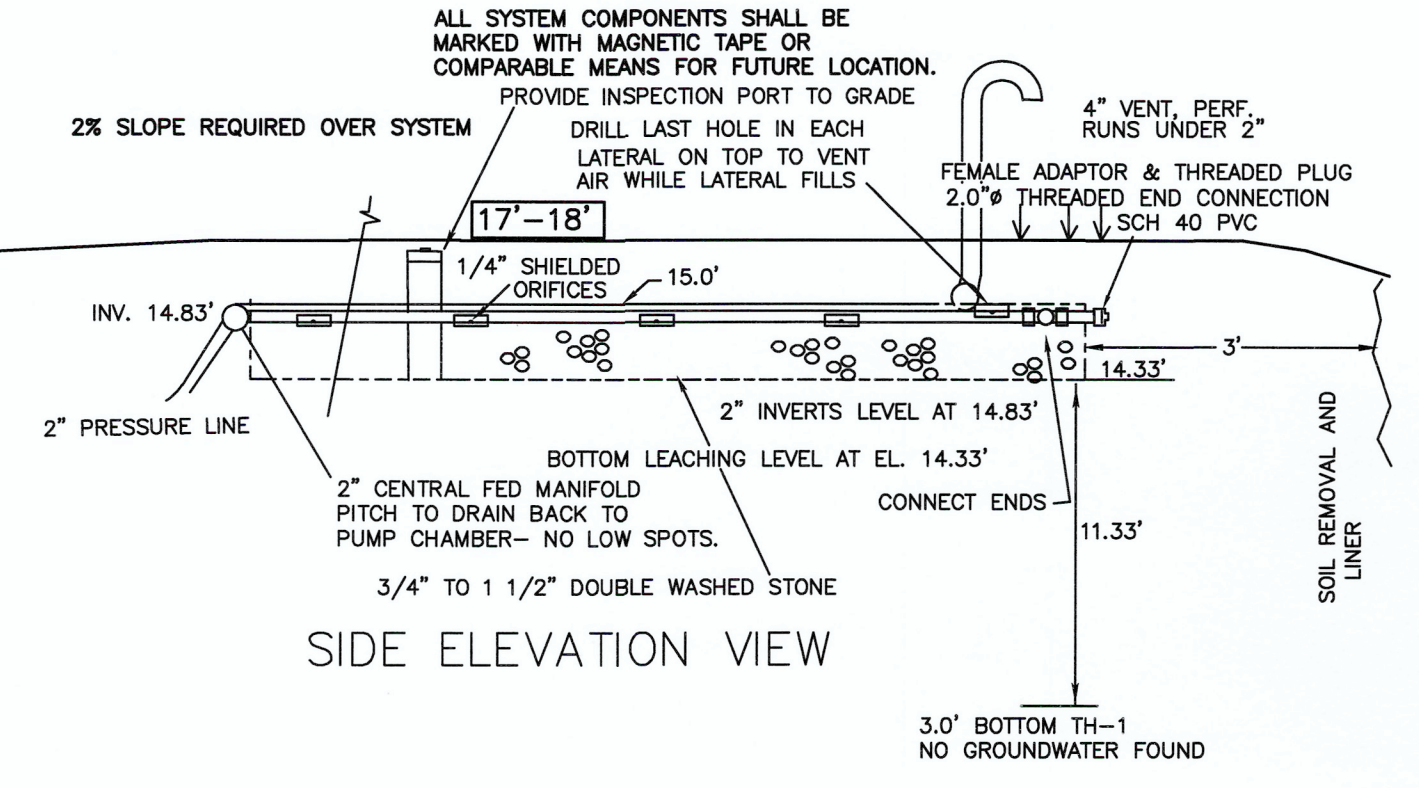
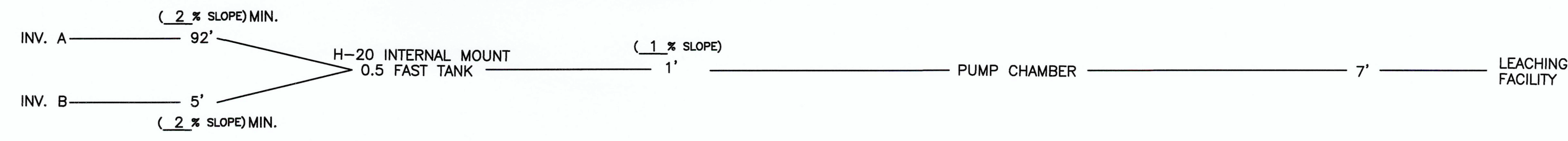
### LEGEND

- 99 — EXISTING CONTOUR
- X 99.1 EXIST. SPOT ELEV.
- [99] PROPOSED CONTOUR
- [98.4] PROPOSED SPOT EL.
- TH1 TEST HOLE
- 2% SLOPE OF GROUND
- UTILITY POLE
- FIRE HYDRANT

NOTE: NOT ALL SYMBOLS MAY APPEAR IN DRAWING



\*THE INSTALLER SHALL VERIFY THE LOCATIONS OF ALL UTILITIES AND ALL BUILDING SEWER OUTLETS AND ELEVATIONS PRIOR TO INSTALLING ANY PORTION OF SEPTIC SYSTEM.



### SYSTEM DESIGN:

GARBAGE DISPOSER IS NOT ALLOWED  
 EXISTING 2 BEDROOM DWELLING  
 TOTAL FLOW: 2 BEDROOMS @ 110 GPD = 220 GPD  
 SEPTIC TANK:  
 USE MICROFAST 0.5 UNIT UNDER GENERAL USE PERMIT  
 & 1000 GAL. PUMP CHAMBER  
 LEACHING:  
 220 GPD (.74) = 298 SF REQUIRED  
 USE A 301 S.F. PRESSURE DOSED PIPE AND STONE  
 LEACHING FIELD IN FIELD CONFIGURATION SHOWN  
 (SEE DETAIL)

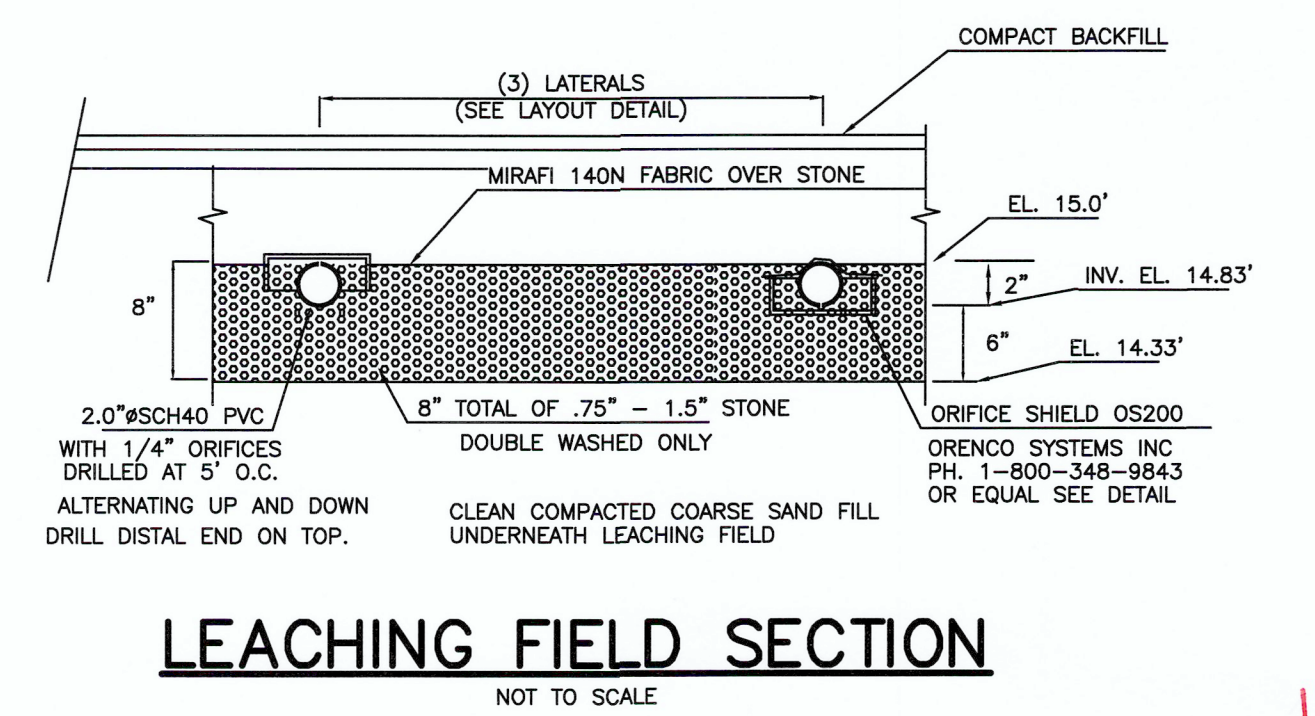
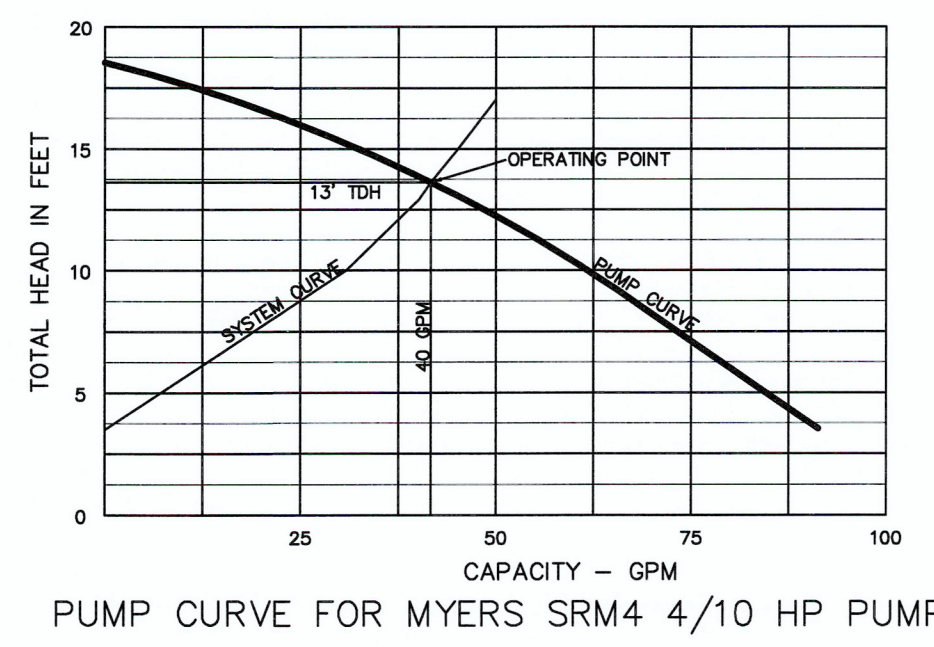
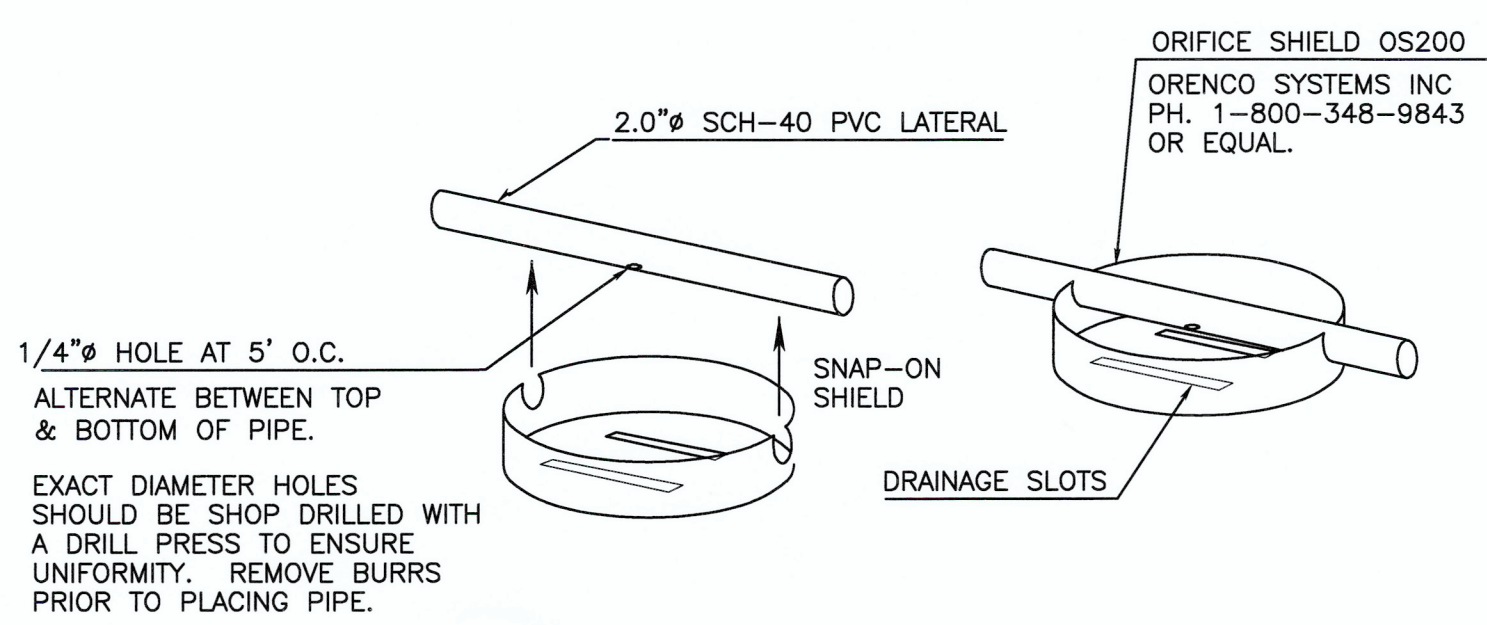
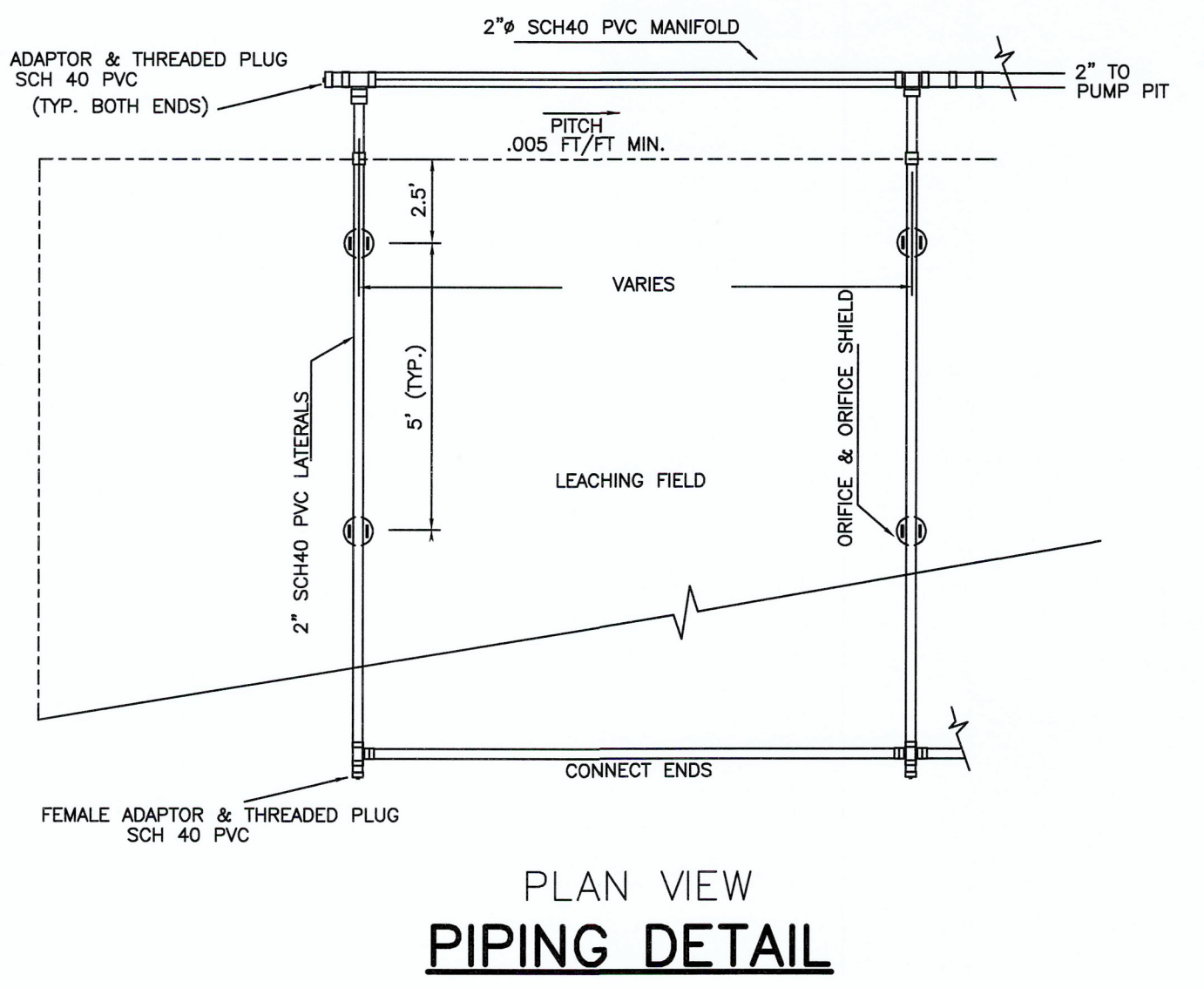
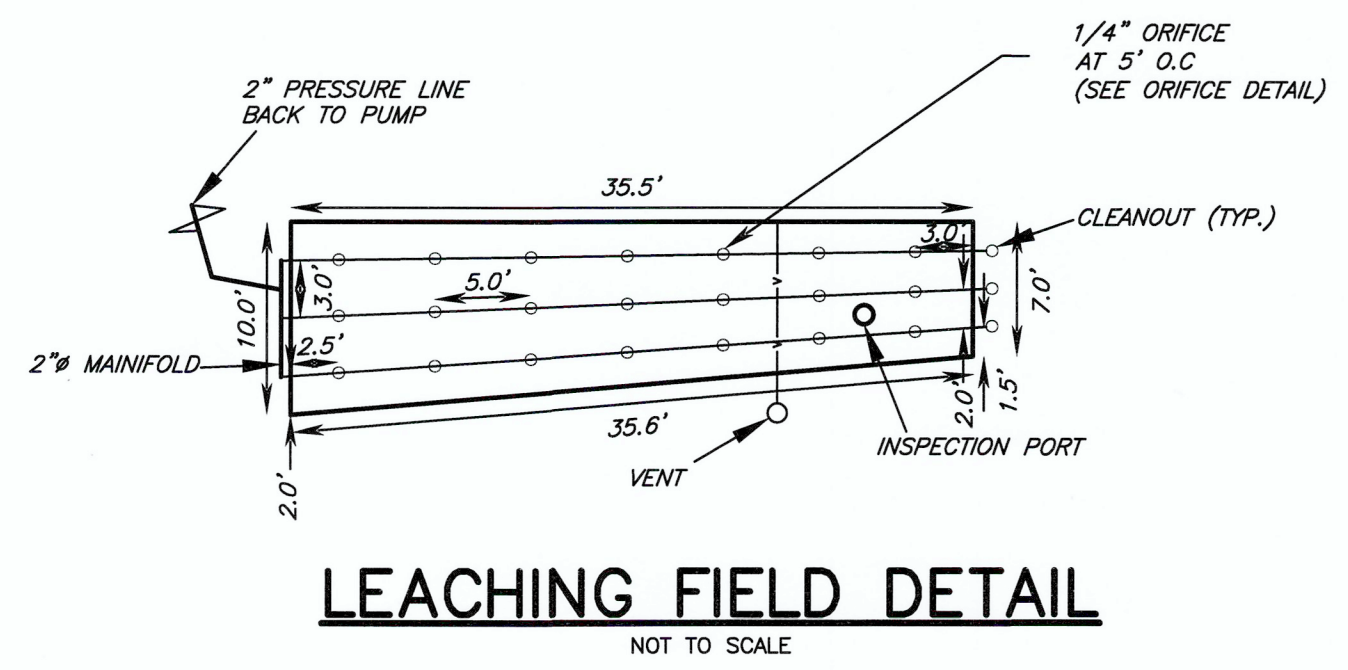
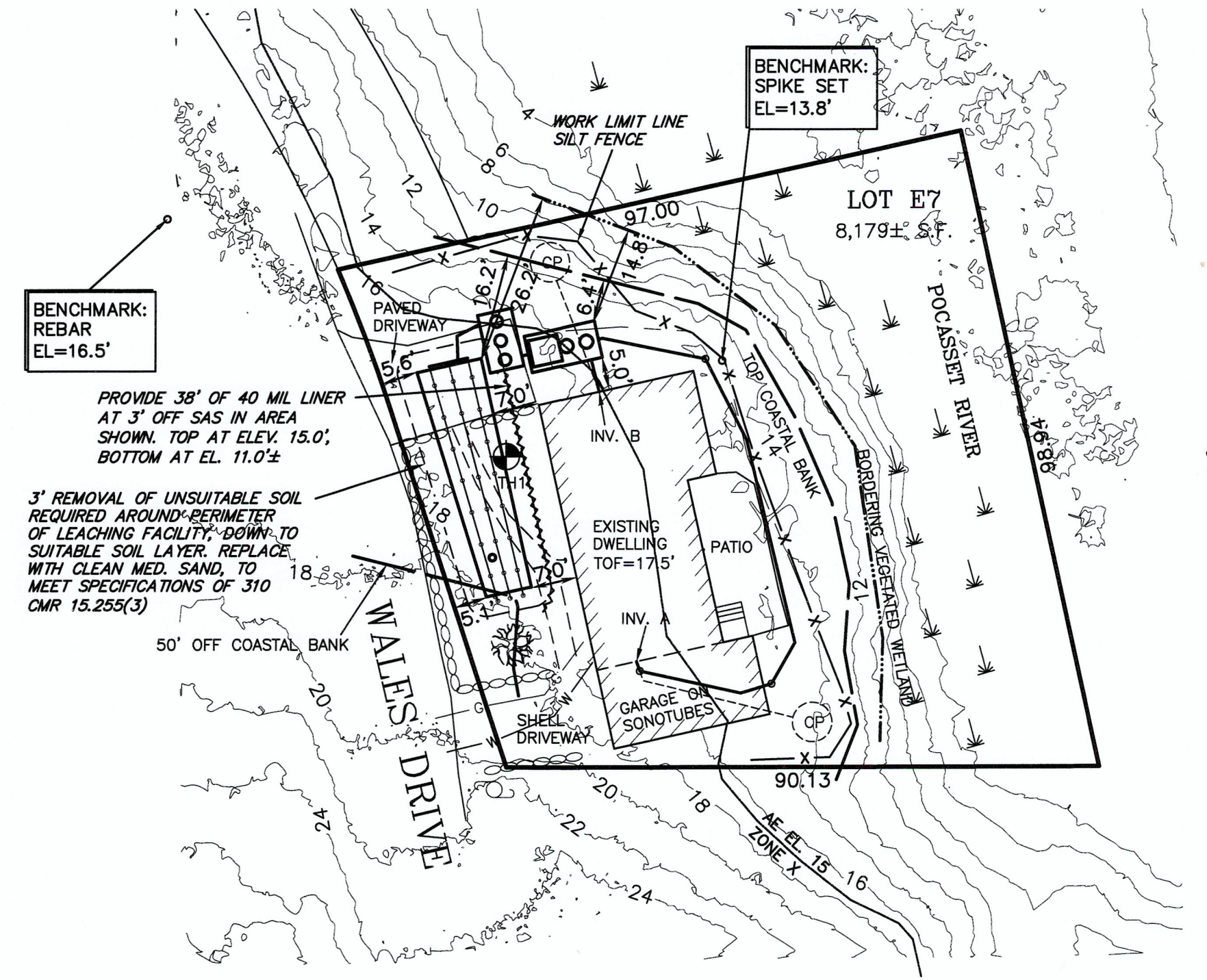
APPROVED \_\_\_\_\_ DATE \_\_\_\_\_ BOARD OF HEALTH \_\_\_\_\_, MA

### TEST HOLE LOGS

ENGINEER: DANIEL E. GONSALVES, SE #13587  
 WITNESS: TERRI GUARINO, CHO  
 DATE: 9/9/22  
 PERC. RATE = < 2 MIN/INCH  
 CLASS I SOILS

DEPTH	SOIL TYPE	ELEV.
0"	FILL	17.0'
48"	A LS	
56"	10YR 4/2	12.3'
	B LS	
72"	10YR 4/6	11.0'
	C MS	
168"	2.5Y 7/4	3.0'

NO GROUNDWATER ENCOUNTERED



- ### NOTES
- DATUM IS NAVD 88
  - MUNICIPAL WATER IS EXISTING
  - MINIMUM PIPE PITCH TO BE 1/8" PER FOOT.
  - DESIGN LOADING FOR ALL PROPOSED PRECAST UNITS TO BE AASHO H-20
  - PIPE JOINTS TO BE MADE WATERTIGHT.
  - CONSTRUCTION DETAILS TO BE IN ACCORDANCE WITH 310 CMR 15.000 (TITLE 5.)
  - THIS PLAN IS FOR PROPOSED WORK ONLY AND NOT TO BE USED FOR LOT LINE STAKING OR ANY OTHER PURPOSE.
  - PIPE FOR SEPTIC SYSTEM TO SCH. 40-4" PVC.
  - COMPONENTS NOT TO BE BACKFILLED OR CONCEALED WITHOUT INSPECTION BY BOARD OF HEALTH AND PERMISSION OBTAINED FROM BOARD OF HEALTH.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING DIGSAFE (1-888-344-7233) AND VERIFYING THE LOCATION OF ALL UNDERGROUND & OVERHEAD UTILITIES PRIOR TO COMMENCEMENT OF WORK.
  - ANY UNSUITABLE MATERIAL ENCOUNTERED SHALL BE REMOVED BENEATH AND 5' AROUND THE PROPOSED LEACHING FACILITY.
  - EXISTING LEACHING FACILITY SHALL BE PUMPED AND REMOVED OR PUMPED AND FILLED WITH CLEAN SAND.
  - OWNER'S ENGINEER TO PERFORM INSPECTIONS OF THE FINAL INSTALLATION. MINIMUM OF 24 HOURS NOTICE REQUIRED.
  - INSTALLER TO VERIFY THE ELECTRICAL SYSTEM IS SUITABLE FOR PUMP CONNECTION. ELECTRICAL PERMIT REQUIRED.



### LOCUS MAP

SCALE 1"=2000'±  
 ASSESSORS MAP 38.4 PARCEL 41  
 LOCUS IS WITHIN FEMA FLOOD ZONE AE  
 EL. 15 AS SHOWN ON COMMUNITY PANEL  
 #25001C0503J DATED 7/16/2014

- ### VARIANCES REQUESTED:
- UNDER MAX. FEASIBLE COMPLIANCE 15.405:  
 (1a): REDUCTION IN SETBACK, SAS TO LOT LINE (10' TO 5.1')  
 (1b): REDUCTION IN SETBACK, SAS TO FOUNDATION (20' TO 7.0') & SEPTIC TANK TO FOUNDATION (10' TO 5.0')  
 (1c): REDUCTION IN SETBACK, SAS TO BVW (50' TO 26.2') & SEPTIC TANK TO BVW (25' TO 14.8')  
 (1f): REDUCTION IN SETBACK, SAS TO COASTAL BANK (50' TO 16.2') & SEPTIC TANK TO COASTAL BANK (25' TO 6.4')  
 15.555 (5): REDUCTION IN LATERAL REMOVAL OF UNSUITABLE MATERIAL (5' TO 3')  
 TOWN OF BOURNE HEALTH REGULATIONS:  
 REDUCTION IN SETBACK, SAS TO WATERCOURSE (COASTAL BANK) (150' TO 16.2')

RECEIVED  
 By Bourne Health Department at 2:49 pm, Dec 06, 2022

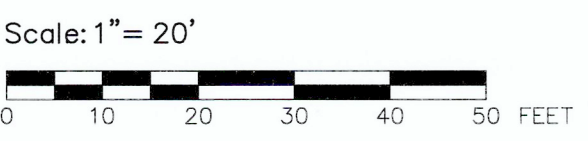
# TITLE 5 SITE PLAN

OF

## 7 WALES DRIVE POCASSET, MA

PREPARED FOR  
**CHRISTINE MOSCATIELLO**

DATE: NOVEMBER 15, 2022



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**down cape engineering, inc.**  
 civil engineers  
 land surveyors  
 939 Main Street (Rte 6A)  
 YARMOUTHPORT MA 02675

DEC  
 DCE #22-250

11-15-22 [Signature]  
 DATE DANIEL A. OJALA, P.E., P.L.S.