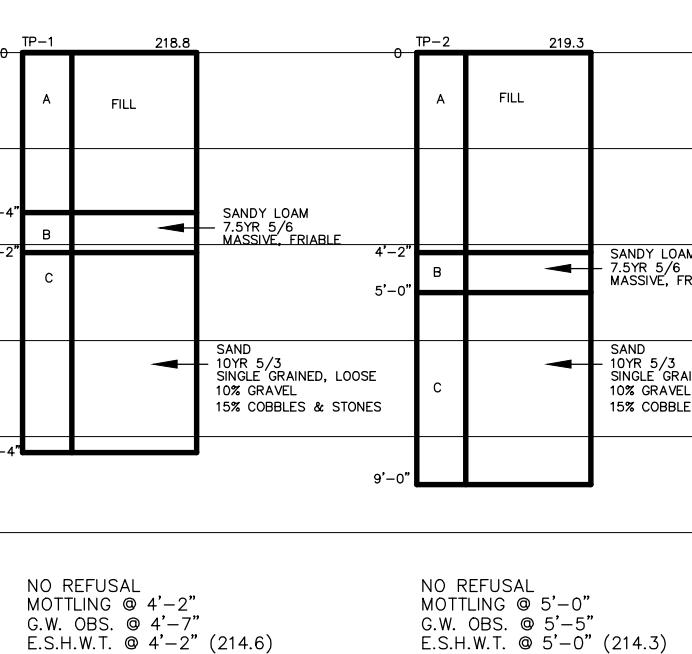


TEST PIT DATA:

DATE OF TESTING: 05/15/2025
TEST BY: STAMSKI AND McNARY, INC.
CERT. SOIL EVAL: PAUL KIRCHNER, SE#4237
WITNESSED BY: JAMES GARRETT



NO REFUSAL

MOTTLING

4"-2"

G.W. OBS.

4"-7"

E.S.H.W.T.

4"-2"

(214.6)

NO REFUSAL

MOTTLING

5"-0"

G.W. OBS.

5"-7"

E.S.H.W.T.

5"-0"

(214.3)

NO REFUSAL

MOTTLING

5"-0"

G.W. OBS.

5"-7"

E.S.H.W.T.

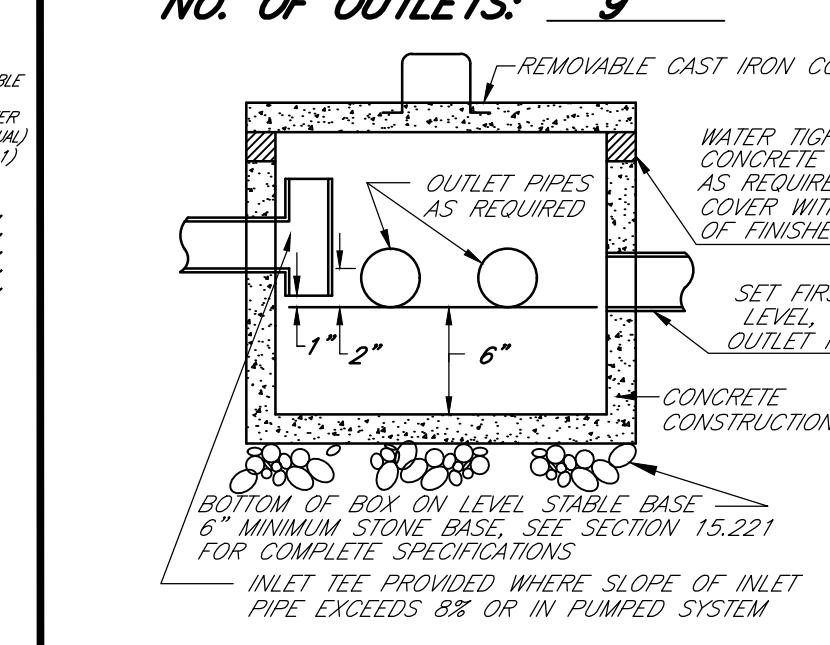
5"-0"

(213.1)

TANK SHALL CONFORM TO TITLE 5 REQUIREMENTS.
AS MANUFACTURED BY SHEA CONCRETE OR APPROVED EQUAL

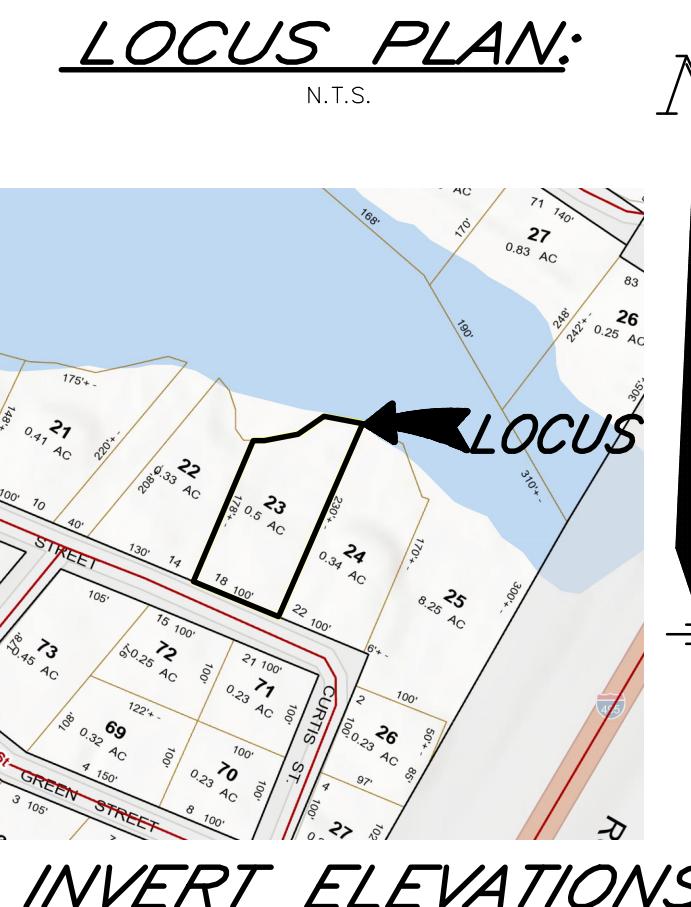
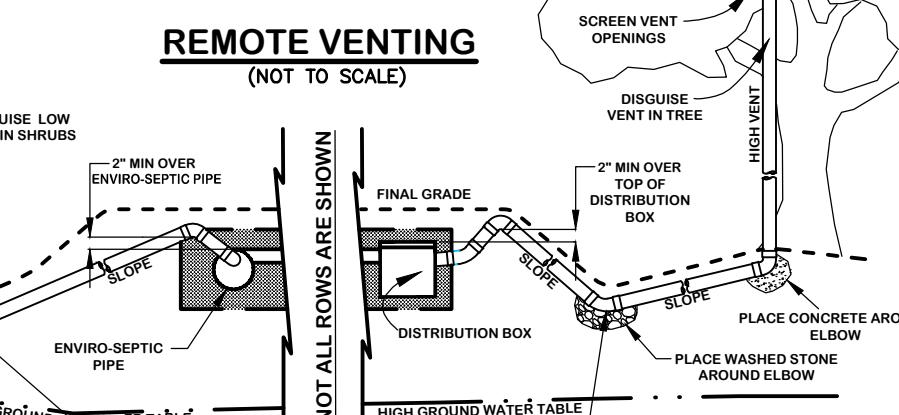
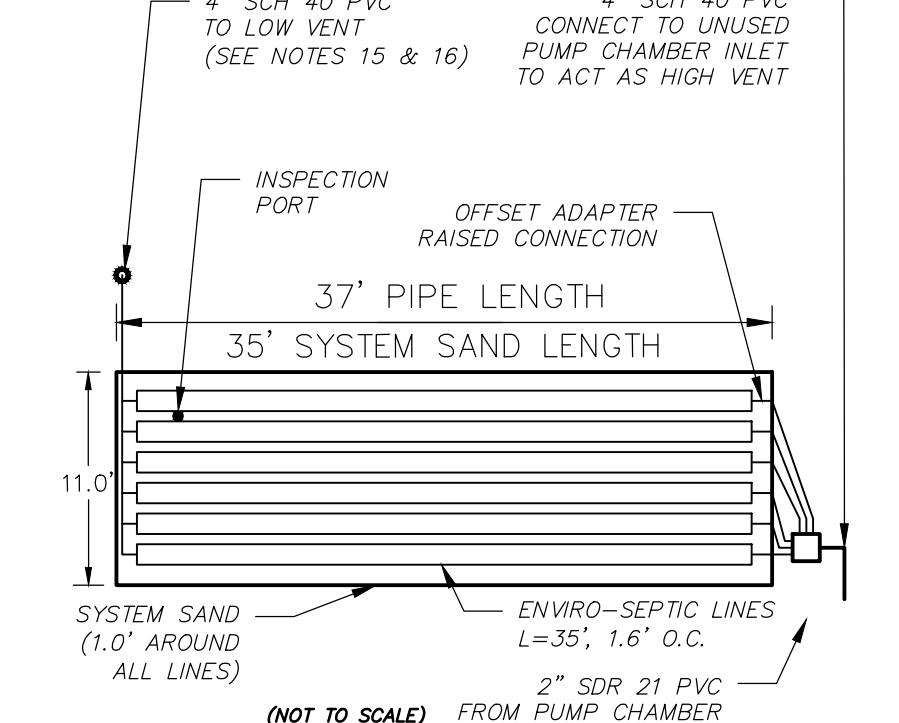
D.BOX DETAIL:

TO CONFORM TO TITLE 5 REQUIREMENTS
NO. OF OUTLETS: 9



SOIL ABSORPTION SYSTEM:

PRESBY ADVANCED ENVIRO-SEPTIC LEACHING SYSTEM



INVERT ELEVATIONS:

4" INV. @ EXISTING DWELLING* = 218.67*-

*SEE NOTE 20

4" INV. @ SEPTIC TANK (IN) = 216.90

4" INV. @ SEPTIC TANK (OUT) = 216.65

4" INV. @ PUMP CHAMBER (IN) = 216.55

2" INV. @ PUMP CHAMBER (OUT) = 216.30

2" INV. @ D.BOX (IN) = 219.05

4" INV. @ D.BOX (OUT) = 218.88

AT LEACHING FACILITY:

TOP OF SYSTEM SAND = 219.60

4" INV. TO LINE = 218.68

BOTTOM OF SYSTEM SAND = 217.60

File: Pres Inv. port.dwg

NOTES:

1. THIS PLAN IS FOR THE DESIGN AND CONSTRUCTION OF A SEWAGE DISPOSAL FACILITY ONLY.
2. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO TITLE 5 AND THE LITTLETON BOARD OF HEALTH REGULATIONS.
3. IF ALTERATIONS (REMOVAL OF VEGETATION, GRADING, EXCAVATIONS, ETC.) ARE TO BE MADE WITHIN 100 FT OF WETLAND AREAS (PONDS, BROOKS, SWAMPS, ETC.) A REQUEST FOR DETERMINATION OF APPLICABILITY OF THE WETLANDS PROTECTION ACT (131 s404) SHOULD BE FILED WITH THE TOWN'S CONSERVATION COMMISSION. THE FILING OF A NOTICE OF INTENT MAY BE REQUIRED AND LOCAL BYLAWS MAY APPLY.
4. ACCEPTABLE MATERIAL SPECIFICATIONS FOR DISTRIBUTION LINES: PVC-SCHEDULE 40, SDR 21, ABS-SCHEDULE 40, SDR 21 PVC SHALL BE USED IN AREAS SUBJECT TO VEHICULAR TRAFFIC.
5. UNLESS OTHERWISE SHOWN, THERE ARE NO KNOWN WELLS WITHIN 150' OF THE PROPOSED SEWAGE DISPOSAL SYSTEM.
6. ALL TOP, SOIL, FILL, BOULDERS, AND OTHER MATERIALS UNDER THE PROPOSED LEACHING AREA SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIALS ACCORDING TO TITLE 5 SECTION 15.255 "CONSTRUCTION IN FILL". A 5' OVER DIG AROUND THE SYSTEM SAND IS NOT REQUIRED AS SPECIFIED IN THE MODIFIED REMEDIAL USE CERTIFICATION FOR PRESBY ADVANCED ENVIRO-SEPTIC SPECIAL CONDITION 6.
7. PER TITLE 5 REQUIREMENTS, THE DESIGN ENGINEER IS REQUIRED TO COORDINATE CONSTRUCTION OF THE SEWAGE SYSTEM. AN CERTIFY THAT THE SYSTEM IS CONSTRUCTED ACCORDING TO THE PLANS, LOCAL REGULATIONS, AND TITLE 5. IN MOST INSTANCES THE DESIGN ENGINEER IS ALSO REQUIRED TO PREPARE AN "AS-BUILT" PLAN, UNLESS OTHERWISE SPECIFICALLY STATED. IN WRITING BETWEEN OWNER AND THE INSTALLER, THE INSTALLER SHALL BE RESPONSIBLE FOR COORDINATING INSPECTIONS WITH THE DESIGN ENGINEER AND PAY FOR THESE SERVICES. NOTIFYING THE DESIGN ENGINEER DOES NOT RELIEVE THE OWNER OR INSTALLER FROM THE RESPONSIBILITY OF HAVING THE REQUIRED INSPECTIONS ETC. BY THE BOARD OF HEALTH.
8. FINISHED GRADE OVER THE LEACHING AREA SHALL HAVE A MINIMUM SLOPE OF 2%.
9. THE FIRST TWO FOOT SECTIONS OF PIPE FROM THE DISTRIBUTION BOX SHALL BE SET LEVEL.
10. THE SYSTEM, INCLUDING SEPTIC TANK, SHALL BE STAKED AND THE BENCHMARK SET IN THE FIELD BY THE DESIGN ENGINEER.
11. ALL UNDERGROUND UTILITIES SHOWN HERE WERE COMPILED ACCORDING TO AVAILABLE RECORD PLANS FROM VARIOUS UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE. ACTUAL LOCATIONS MUST BE DETERMINED BEFORE DESIGNING, EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, OR PAVEMENT RESTORATION OR REPAIR. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE CONTACTED, INCLUDING THOSE IN CONTROL OF UTILITIES. SEE CHAPTER 370, ACTS OF 1963 MASS. WE ASSUME NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN. BEFORE PLANNING FUTURE CONNECTIONS, THE APPROPRIATE UTILITY ENGINEERING DEPARTMENT MUST BE CONSULTED. D.I.G. SAFE TELE. NO.: 1-888-344-7233
12. THIS SEPTIC SYSTEM IS NOT DESIGNED FOR A GARBAGE GRINDER.
13. ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE OR A COMPARABLE MEANS IN ORDER TO BE LOCATED ONCE BURIED.
14. ALL DISTURBED SURFACES SHALL BE RESTORED WITH 4" OF LOAM AND CONSERVATION NATIVE SEED MIX WITHIN THE 100' BUFFER ZONE.
15. THE BYPASS VENT WILL FUNCTION AS THE HIGH VENT IF THERE ARE NO PUMPS, RESTRICTIONS, OR OTHER VENTS BETWEEN THE LOW VENT AND THE ROOF VENT. IF RESTRICTION IS PLACED BETWEEN THE LOW VENT AND THE ROOF VENT, HIGH VENT IS REQUIRED THROUGH AN UNUSED DISTRIBUTION BOX OUTLET. ALTERNATIVELY, IF A HIGH VENT IS NEEDED, THE DISTRIBUTION BOX MAY BE CONNECTED TO AN UNUSED SEPTIC TANK INLET TO ALLOW THE BUILDING STACK TO ACT AS THE HIGH VENT. IF AN EFFLUENT FILTER IS USED, IT MUST BE PROPERLY MAINTAINED TO ENSURE ADEQUATE AIR FLOW.
16. FINAL VENT LOCATION SUBJECT TO OWNER'S APPROVAL.
17. SEWER MANHOLES BROUGHT TO FINISH GRADE SHALL BE SECURED TO PREVENT UNAUTHORIZED ACCESS.
18. THE PRESBY ADVANCED ENVIRO-SEPTIC SYSTEM HAS BEEN CERTIFIED FOR REMEDIAL USE; THIS SYSTEM SHALL BE INSTALLED AND OPERATED IN COMPLIANCE WITH THE MODIFIED APPROVAL FOR REMEDIAL USE MODIFIED MARCH 15, 2022, TRANSMITAL NUMBER 21-CLM-000073-APP. AS THE DESIGNER OF RECORD, WE HEREBY CERTIFY WE HAVE RECEIVED THE REQUIRED TRAINING AND THE PLAN IS IN ACCORDANCE WITH THE LATEST DEP 1A APPROVAL.
19. THE EXISTING SEPTIC TANK SHALL BE PUMPED DRY, BOTTOM RUPPTED AND BACKFILLED WITH CLEAN SAND IN ACCORDANCE WITH TITLE 5, SECTION 15.354 "ABANDONMENT OF SYSTEMS" OR DISPOSED OFFSITE. IF THE EXISTING LEACH FIELD MAY BE ENCOUNTERED, SOIL SPOILS MAY BE PLACED AS GENERAL FILL WITH ONE FOOT OF COVER OVER THE REMAINDER. THE LEACH FIELD MAY BE ABANDONED IN PLACE.
20. PRIOR TO PUSING ANY NEW SYSTEM COMPONENTS, CONTRACTOR SHALL VERIFY EXISTING BUILDING INVERT. ANY DISCRENCIES SHALL BE REPORTED TO THE DESIGN ENGINEERS.
21. ZABEL EFFLUENT TEE FILTER SHALL BE INSTALLED IN COMPLIANCE WITH APPROVAL ISSUED AUGUST 11, 1997. ALL SEWER MANHOLES AT FINISHED GRADE SHALL BE SECURED TO PREVENT UNAUTHORIZED ACCESS. BOTH INLET AND OUTLET MANHOLES MUST CLEARLY AND PERMANENTLY NOTE THAT THE SYSTEM IS EQUIPPED WITH THE ZABEL A1800 FILTER.
22. A WAIVER HAS BEEN REQUESTED UNDER THE TOWN OF LITTLETON WETLANDS PROTECTION REGULATIONS FOR THE WORK PROPOSED WITH THE 50' NO-DISTURB ZONE.
23. TOWN OF LITTLETON BOARD OF HEALTH ENACTMENTS, CHAPTER 223

REGULATION 27 - FILL REQUIREMENTS:

REQUIRED: FILL > 10' FROM PROPERTY LINE FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM.

PROVIDED: 2'

PROVIDED: 2' 4"

PROVIDED: 2' 4"