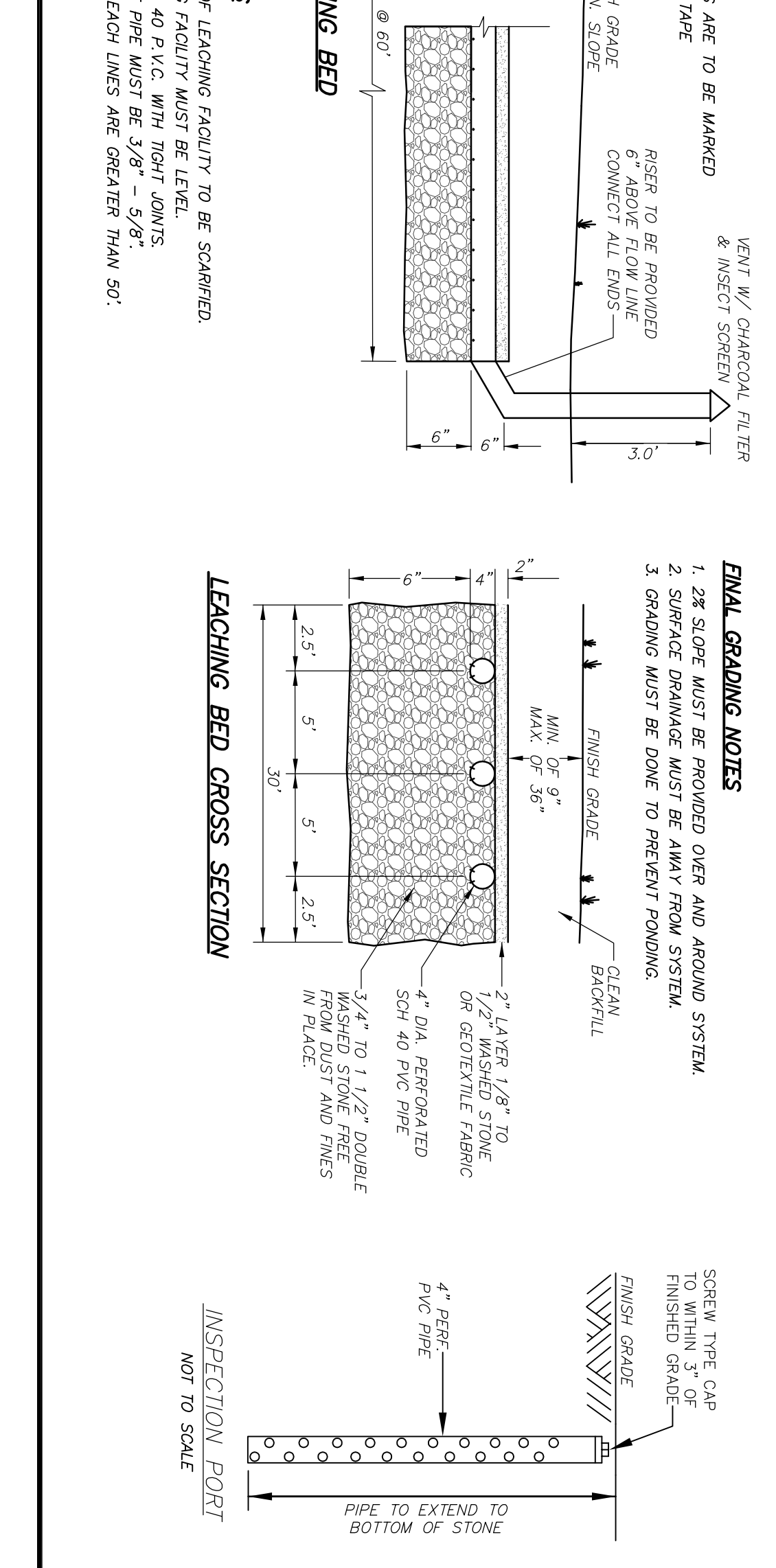
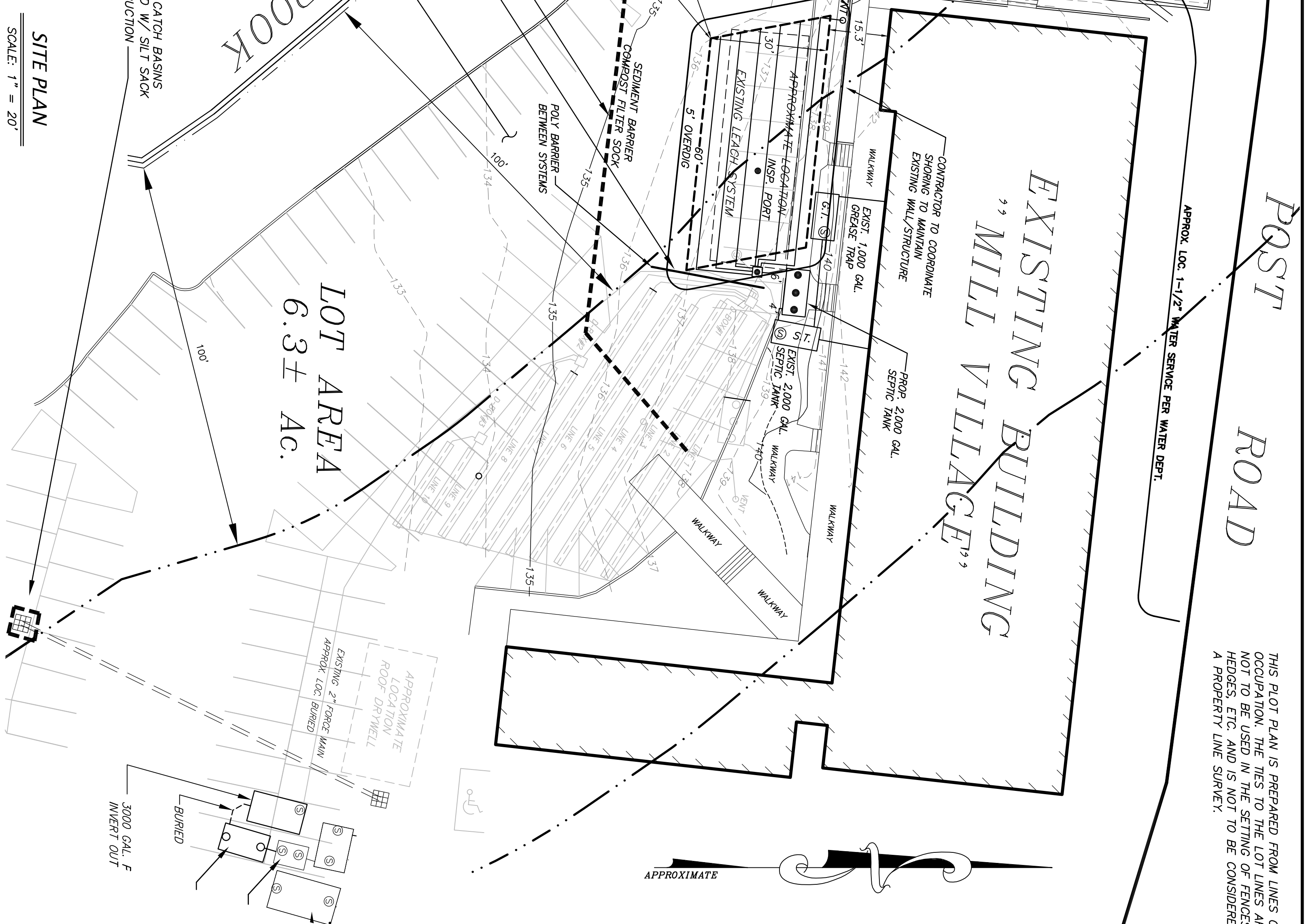
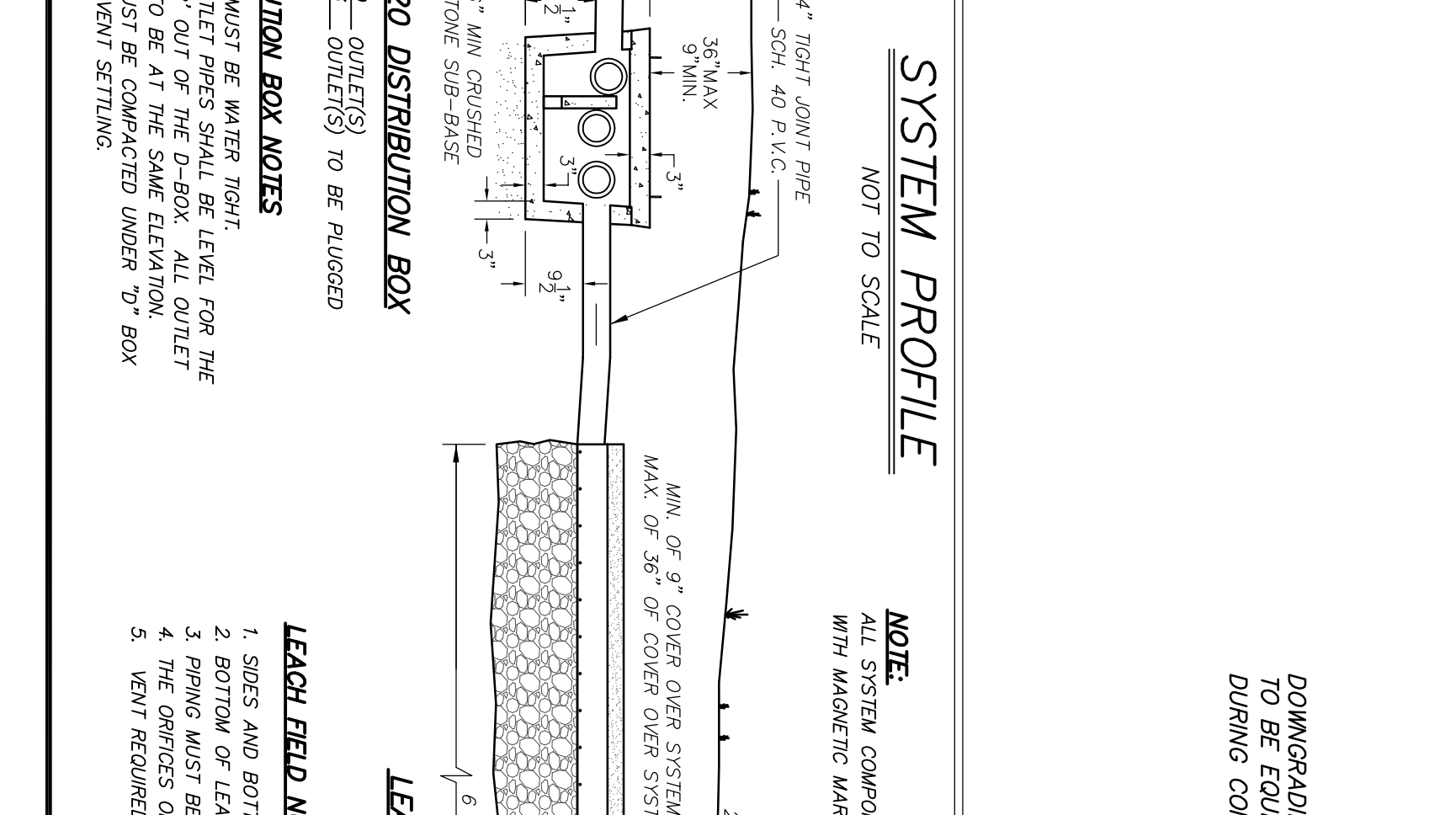
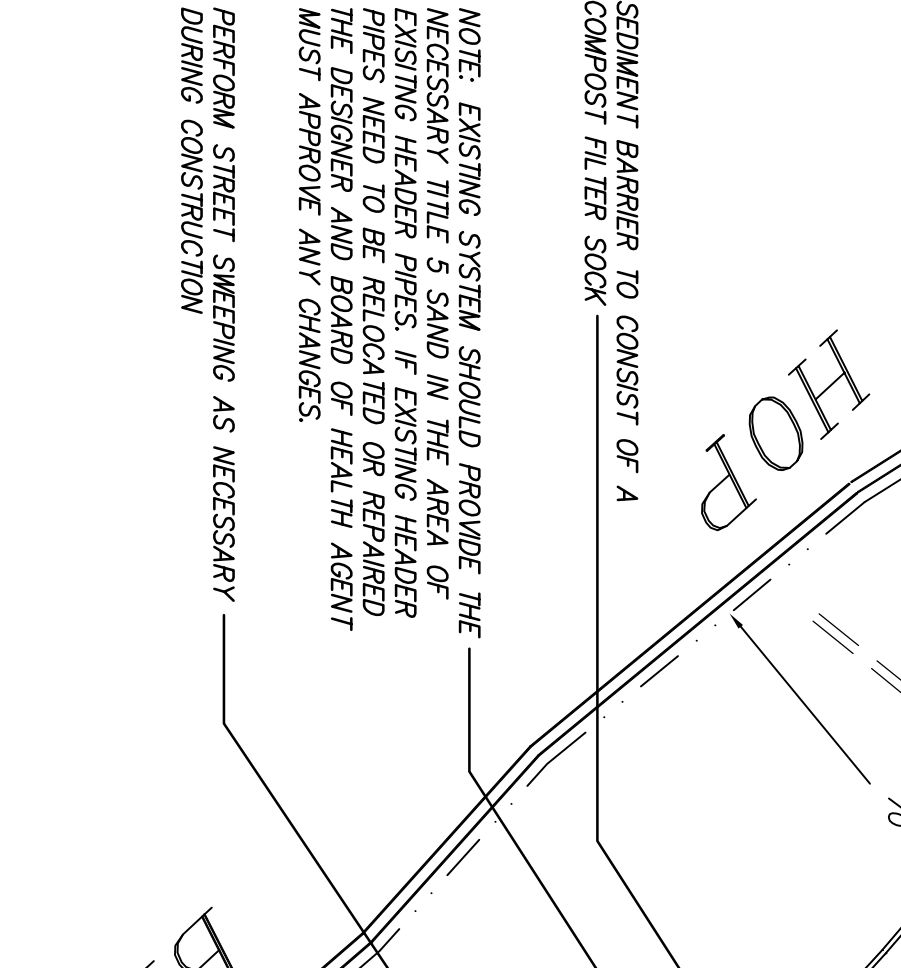
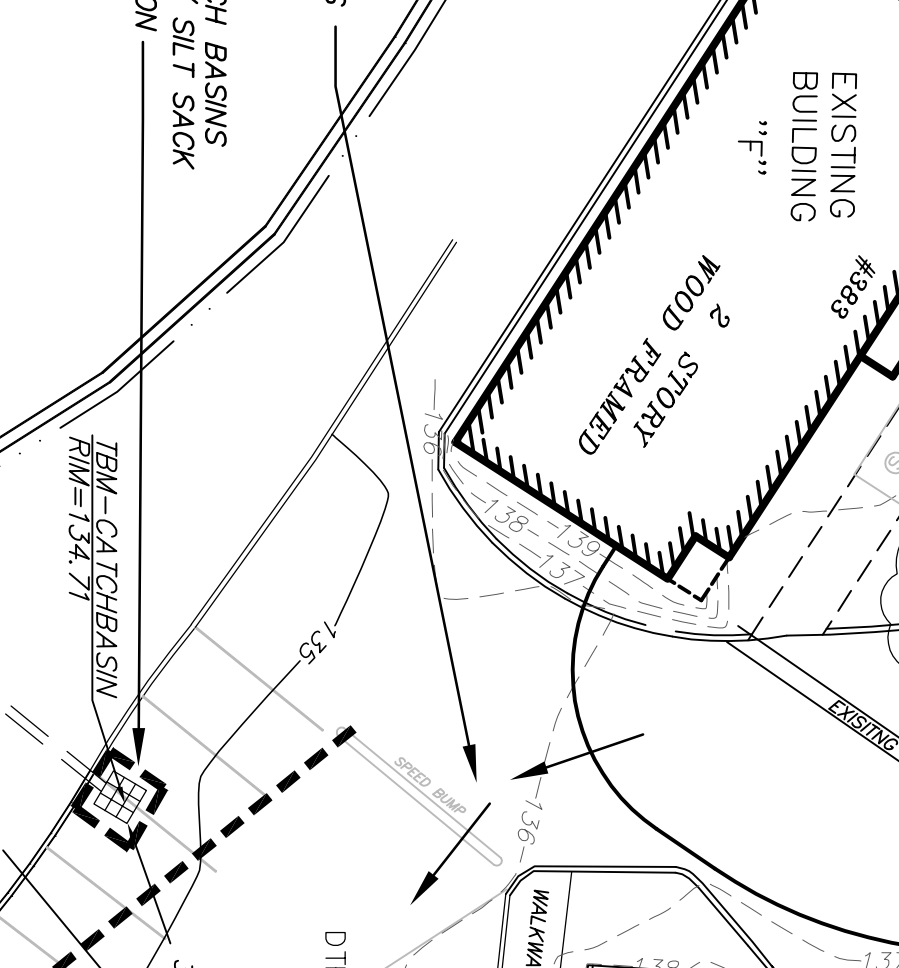
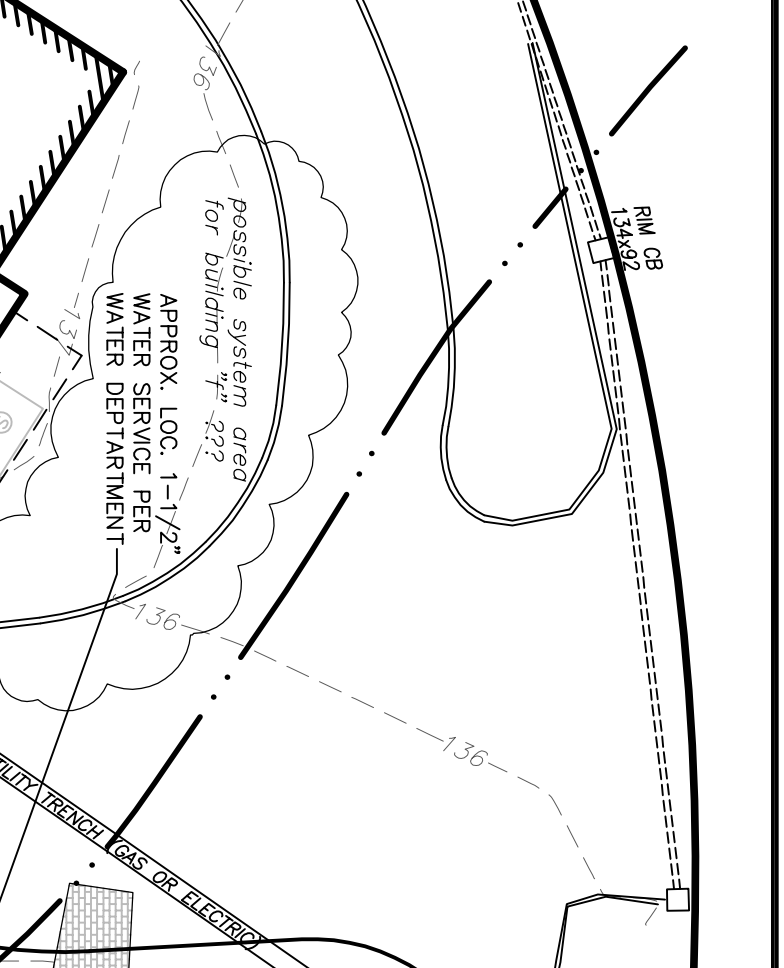
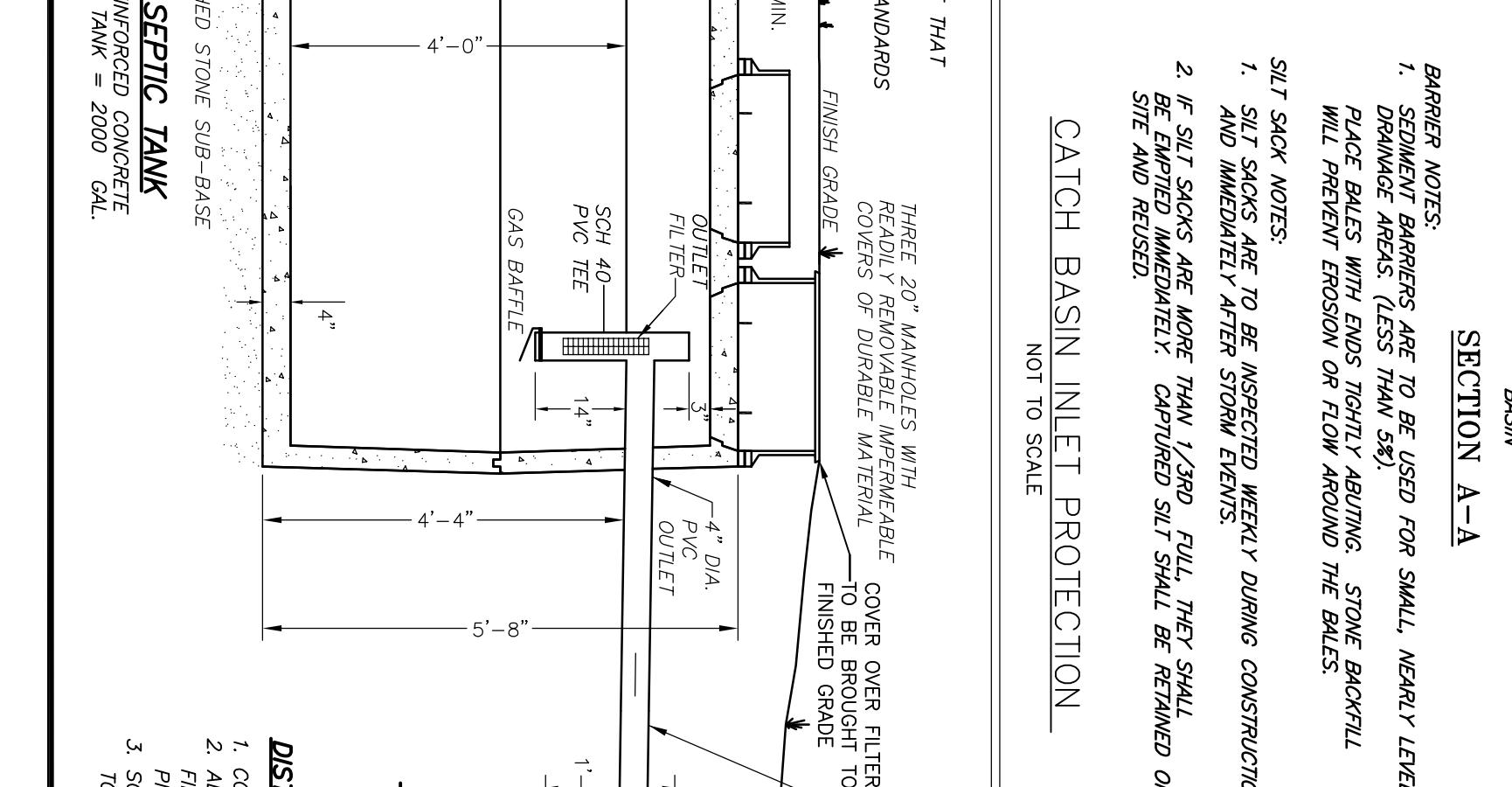
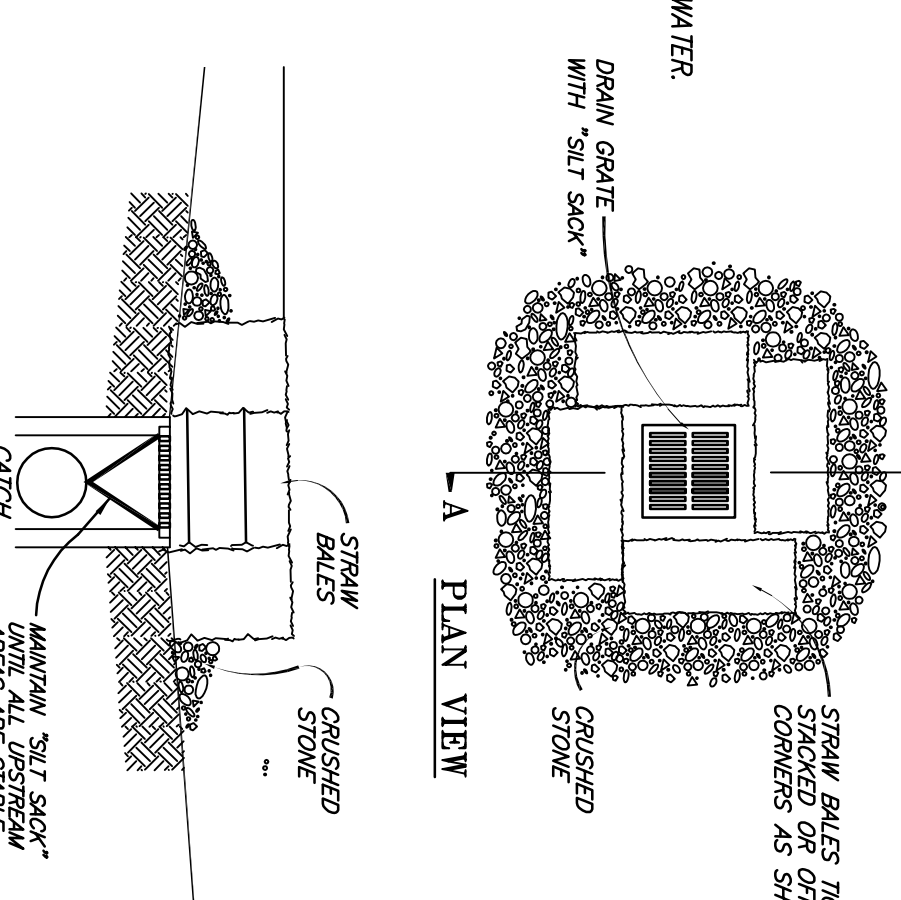
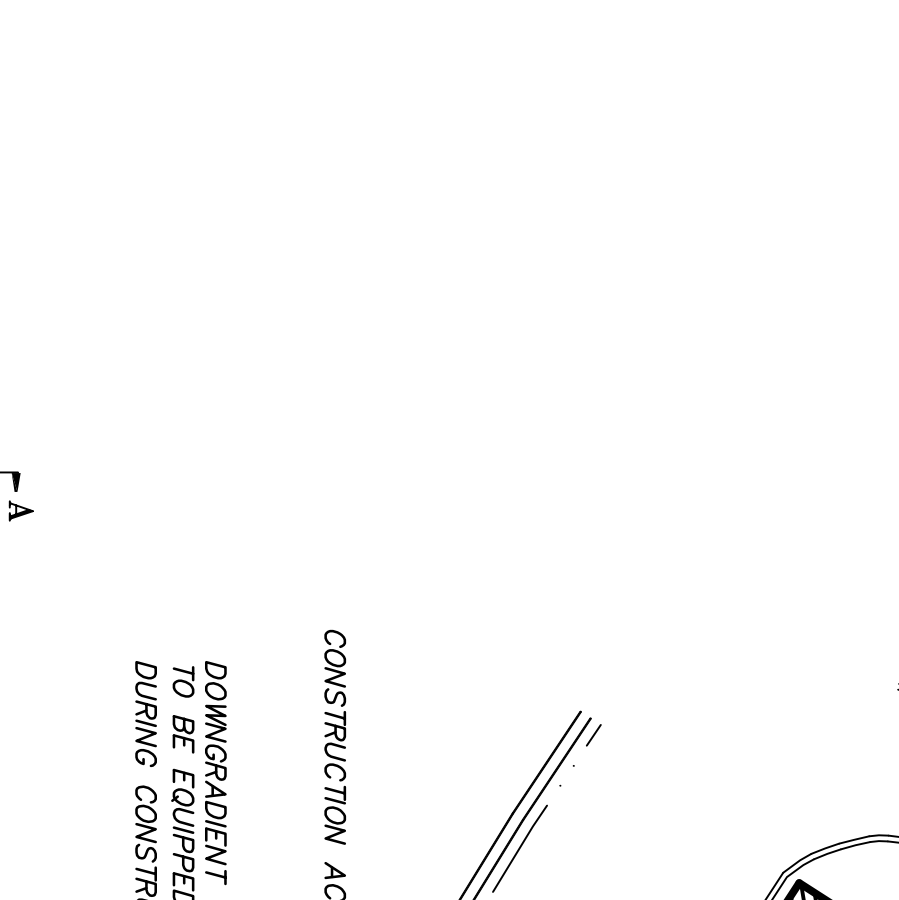
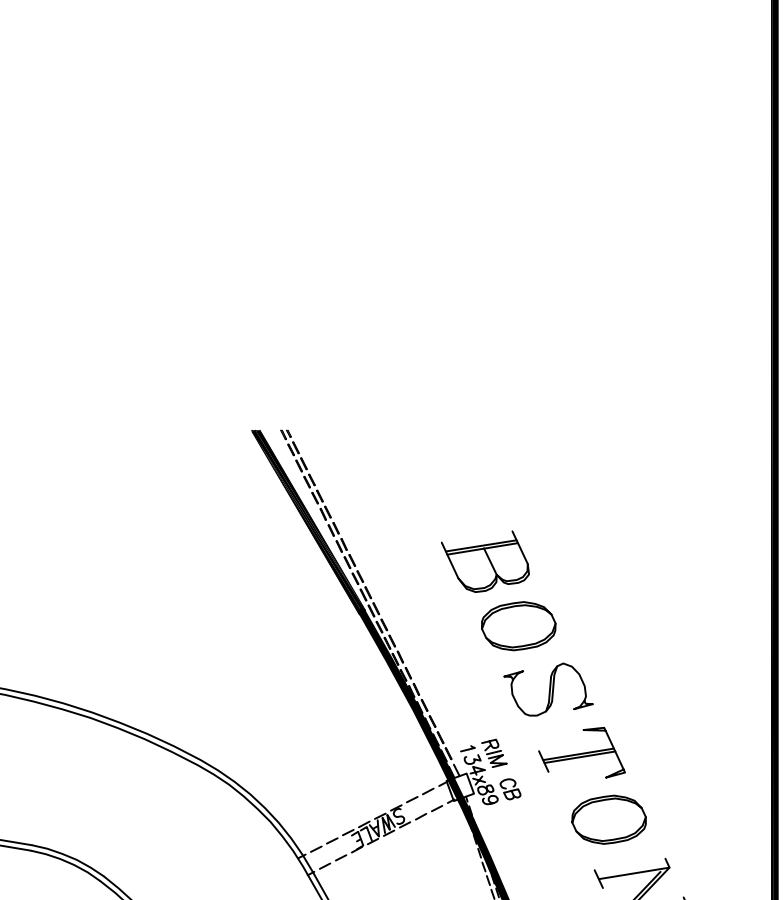
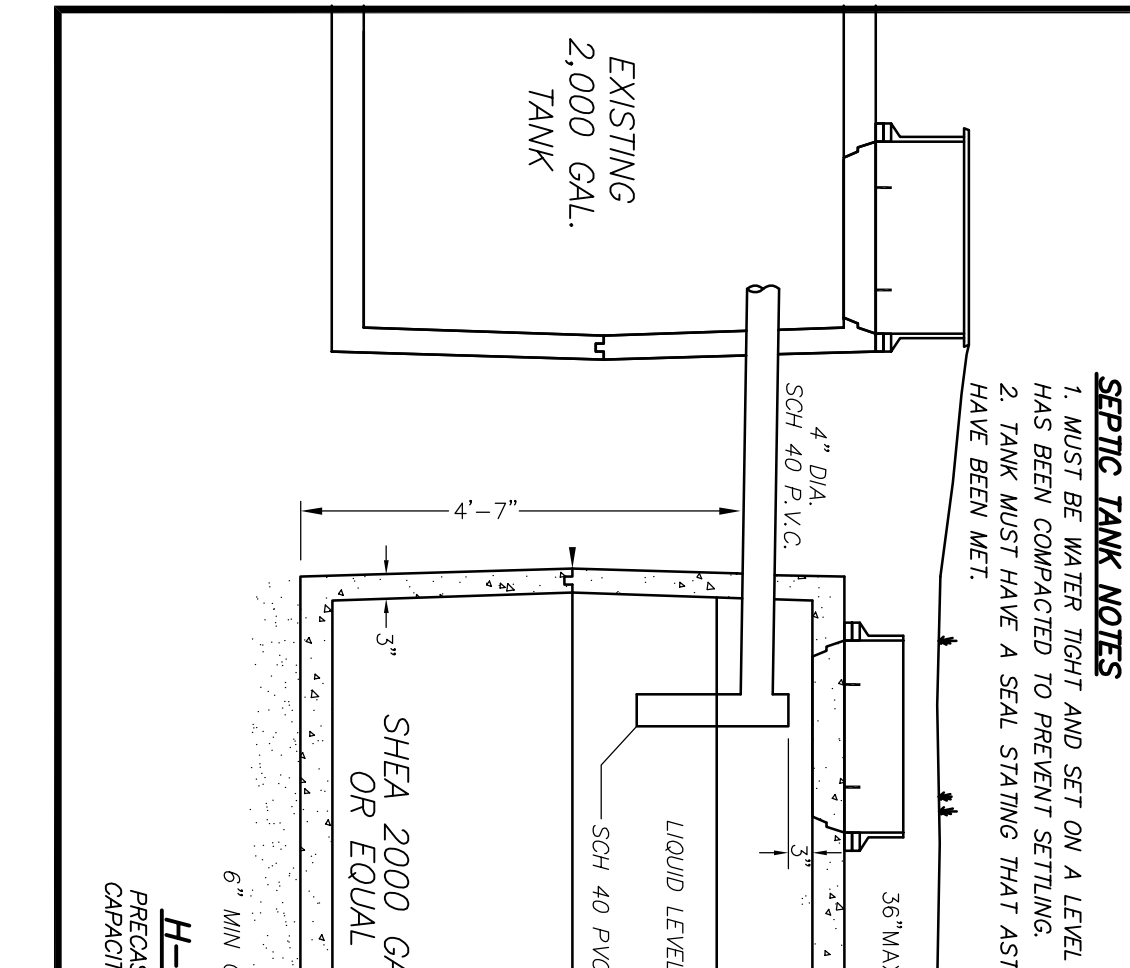
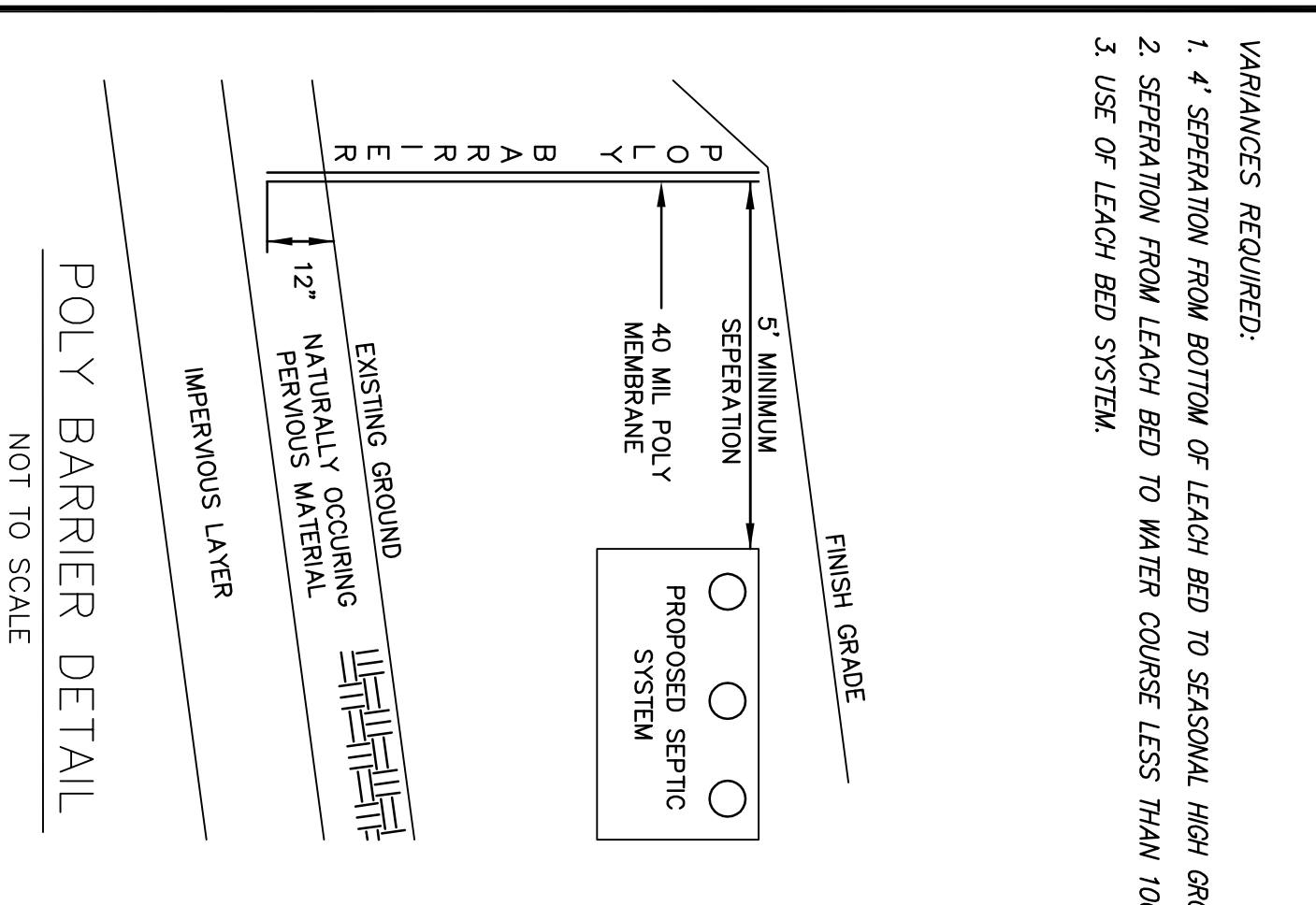




SCHEDULE OF ELEVATIONS

EXISTING INVERT AT GREASE TRAP OUTLET =	136.29
EXISTING INVERT AT SEPTIC TANK INLET =	136.46
EXISTING INVERT AT SEPTIC TANK OUTLET =	136.29
PROPOSED INVERTS	
INVERT AT SEPTIC TANK INLET =	134.6
INVERT AT SEPTIC TANK OUTLET =	134.4
INVERT AT DISTRIBUTION BOX INLET =	134.2
INVERT AT DISTRIBUTION BOX OUTLET =	134.0
INVERT AT LEACHING LINES (BEGINNING) =	133.8
INVERT AT LEACHING LINES (END) =	133.5
ELEVATION OF TRENCH BOTTOM =	133.0
FINISH GRADE OVER LEACHING AREA =	139-136

- DESIGN CRITERIA**
- ESTIMATED FLOW = 1320 GPD
 - DESIGN PERCOLATION RATE = 2 MPI
 - LEACHING AREA CALCULATION =
- BTM. AREA = 60'x30' = 1800 SF (0.74 GPD/SF) = 1332 GPD
- VARIANCES REQUIRED:**
- SEPERATION FROM BOTTOM OF LEACH BED TO SEASONAL HIGH GROUNDWATER.
 - SEPERATION FROM LEACH BED TO WATER COURSE LESS THAN 100'.
 - USE OF LEACH BED SYSTEM.

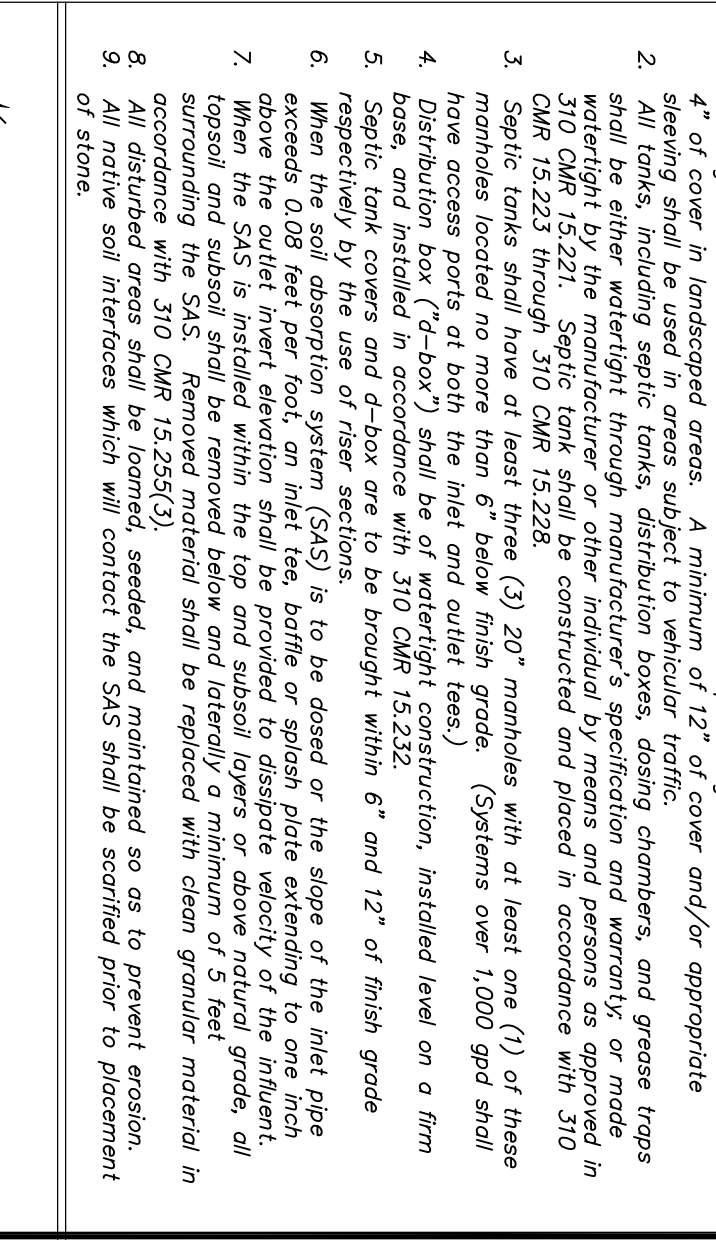


GENERAL NOTES:

- Contractor shall call Digsafe at (888) 344-2233 a minimum of 72 hours prior to excavation.
- Inspections by Design Engineer and Board of Health are as required by the Board of Health.
- Health Plan was prepared for the design of the subsurface septic disposal system and is based on the subsurface explorations and percolation tests listed below.
- System was designed only to accommodate sanitary sewage associated with normal domestic usage, consisting of water carried purseable waste and for flows indicated in the schedule of elevations.
- The system must be verified through the buildings plumbing in accordance with the state building code effective during the construction.
- Plans show only features that were visually apparent on the date of the topographic survey, and the absence of subsurface structures, utilities, etc. is not guaranteed.
- Contractor shall determine the location of all subsurface structures and utilities and shall be responsible for any damage to them.
- There are no wells located within 100 feet of the proposed leaching area or within 100 feet of the proposed trench bottom.
- The subject property is located within a Zone II of a public drinking water supply well.
- All construction is to conform to the requirements of the Massachusetts Environmental Management Act (94A:10).
- There are no bordering, vegetated wetlands, inland banks, or surface waters within 100' of the proposed system.
- Any landscaping or other features which are used to lower the ground water.
- All elevations subject to T.M. CATCH BASIN, S.M. 134.71 (ASSUMED).
- For proper performance, septic tank should be pumped annually.
- System cannot be backfilled or concealed until design firm and board of health have approved.
- Design firm must prepare and submit "As-Built" plan to Board of Health. This plan must certify that the system was installed in accordance with state and local regulations and that it complies with the proposed plan for boundary survey purposes.
- Surface features and topography outside of work area are approximate.
- System is not designed to accommodate a garbage grinder.

TECHNICAL NOTES:

- Building sewer shall be in accordance with state plumbing code and have a minimum of 4" of cover in landscaped areas. A minimum of 12" of cover and/or appropriate steering shall be used in areas subject to vehicular traffic, driveways, and grass areas.
- Systems shall be installed in accordance with the Massachusetts Plumbing Code and shall be either water-tight through manufacturer's specification and warranty or made water-tight by the manufacturer or other individual by means and persons as approved in OMR 15.223 through 15.228.
- Septic tanks shall have at least three (3) 20" manholes with at least one (1) of these manholes located no more than 6' below finish grade. (Systems over 1,000 gpd shall have access ports at both the inlet and outlet lines).
- Septic tank covers and 4" x 6" or 6" x 6" manholes shall be installed on a firm base, and installed in accordance with 310 OMR 15.232.
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PERCOLATION TESTS

HOLE NO.	TOP ELEVATION (ft.)	DEPTH (ft.)	SATURATED 12"-9" DROP (Min./In.)	9"-6" DROP (Min./In.)	PERC. RATE (Min./In.)
PT-4					

DEEP OBSERVATION HOLE LOG

NO.	DATE	DEPTH (ft.)	SOIL	TEXTURE	COLOR	MOISTURE	OTHER
DH-1	0-84"						
	84"-108"		Bc	SANDY LOAM (FA1)			
	108"-158"		Ct	SAND			

TESTS CONDUCTED BY: MIKE SULLIVAN
TESTS OBSERVED BY: BOB LEIPOLD

APPLICANT
RANDY GOLDBERG

LOCATION
MILL VILLAGE
365 BOSTON POST ROAD
SUDBURY, MA.

DATE: 1-14-14

NO.: 1
DATE: 1/22/18
MISC. EDITS:

BY: RM

LAND SURVEYING AND CIVIL ENGINEERING
SULLIVAN, CONNORS AND ASSOCIATES
121 BOSTON POST RD. SUDBURY, MA. 01776
PHONE: 978-443-9566 FAX: 978-443-8915

DATE: 1-14-14 **SHEET:** 1 OF 1