

SOIL DATA

DATE: 09/23/2020 PERFORMED BY: DANIEL GROSSA WITNESSED BY: GAIL JOSEPH

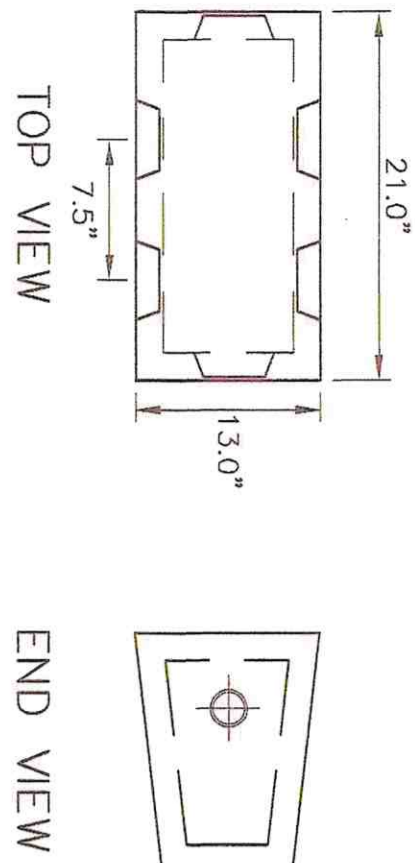
TP-3-1	TP-3-2	TP-3-3	TP-3-4
0°	0°	0°	0°
71.3	71.1	71.2	71.1
FILL	FILL	FILL	FILL
120°	120°	120°	120°
C	C	C	C
MEDIUM TO COARSE SAND	MEDIUM TO COARSE SAND	MEDIUM TO COARSE SAND	MEDIUM TO COARSE SAND
2.5/6/3	2.5/6/3	2.5/6/3	2.5/6/3
57.3	57.1	57.2	57.1
168°	168°	168°	168°

WATER @ 148" MOTTLES @ 120" EL. 61.3 PERC @ 120" EL. 61.3 PERC RATE: 1" IN < 2 MIN.
WATER @ 148" MOTTLES @ 120" EL. 61.1 PERC @ 120" EL. 61.1 PERC RATE: 1" IN < 2 MIN.
WATER @ 146" MOTTLES @ 120" EL. 61.2
WATER @ 146" MOTTLES @ 120" EL. 61.1

3" WIDE GEOTAB SILT FENCE FABRIC OR APPROVED EQUAL
1" x 1" x 3' PINE STAKE
HAYBALES PLACED ALONG DOWN SIDE OF SILT FENCE FOR SUPPORT
1" x 1" x 3' BEANPOLE STAKE
GROUND LINE
EMBED HAYBALE MIN. OF 4" INTO SOIL

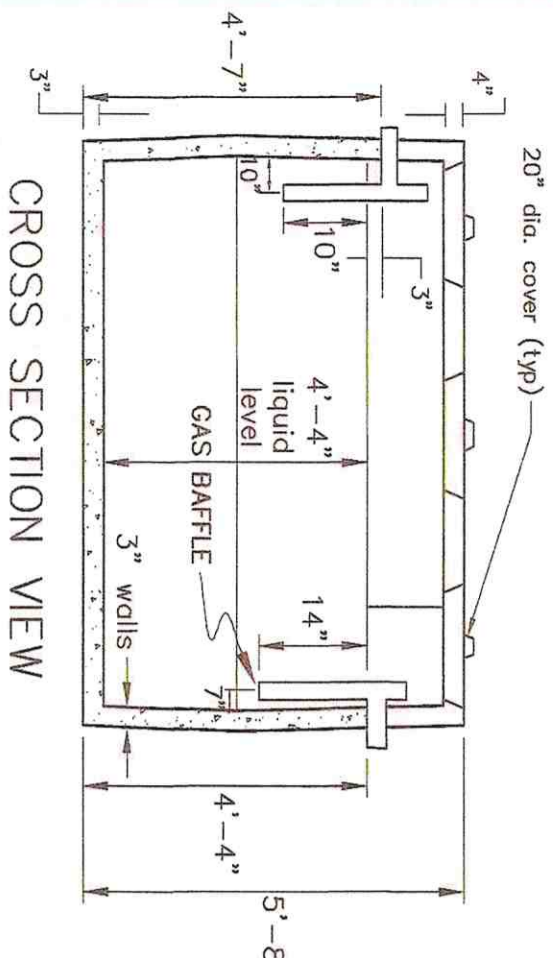
HAYBALE AND SILT FENCE DETAIL

NOT TO SCALE



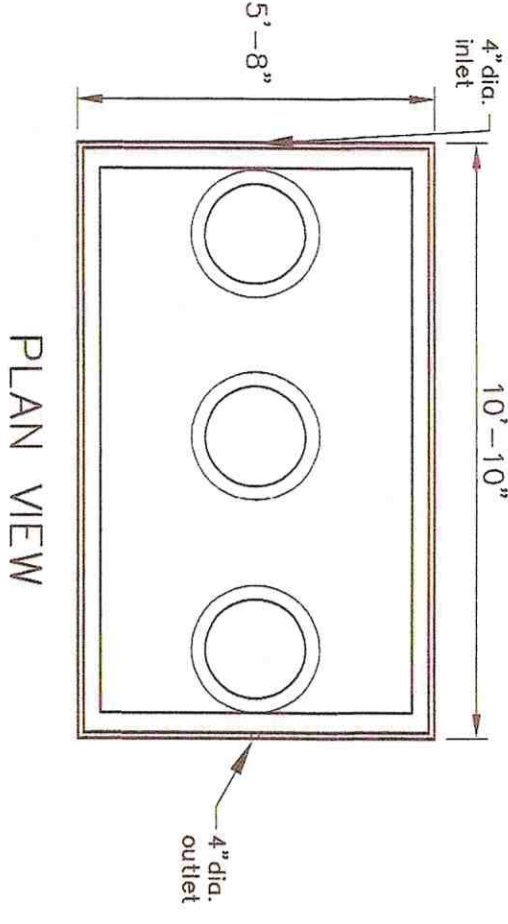
DISTRIBUTION BOX

NOT TO SCALE

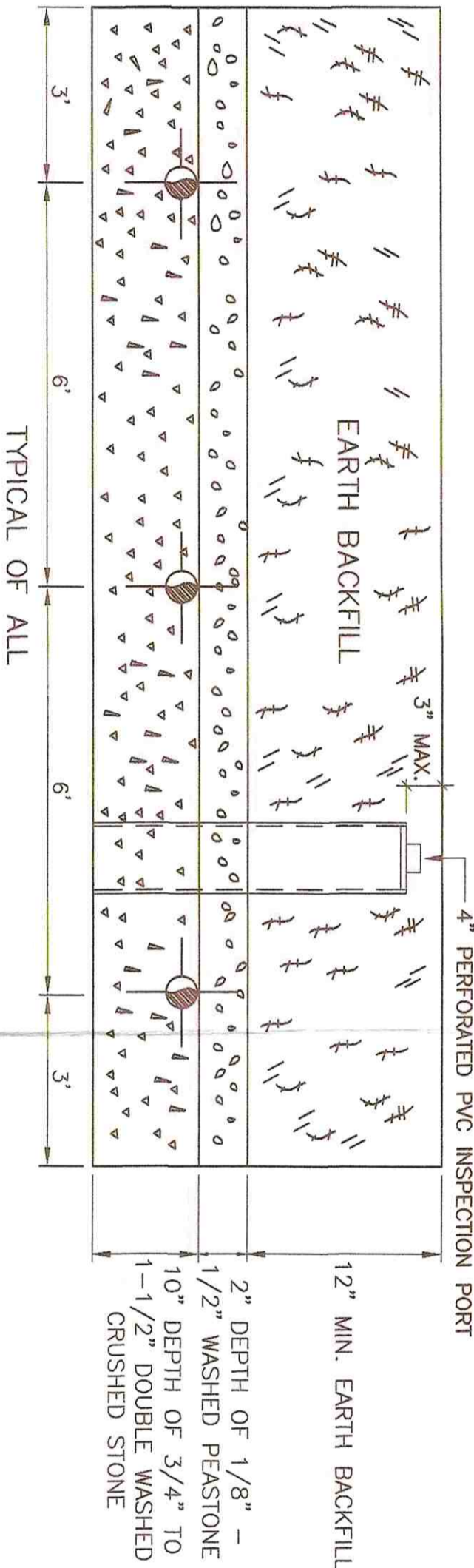


SEPTIC TANK

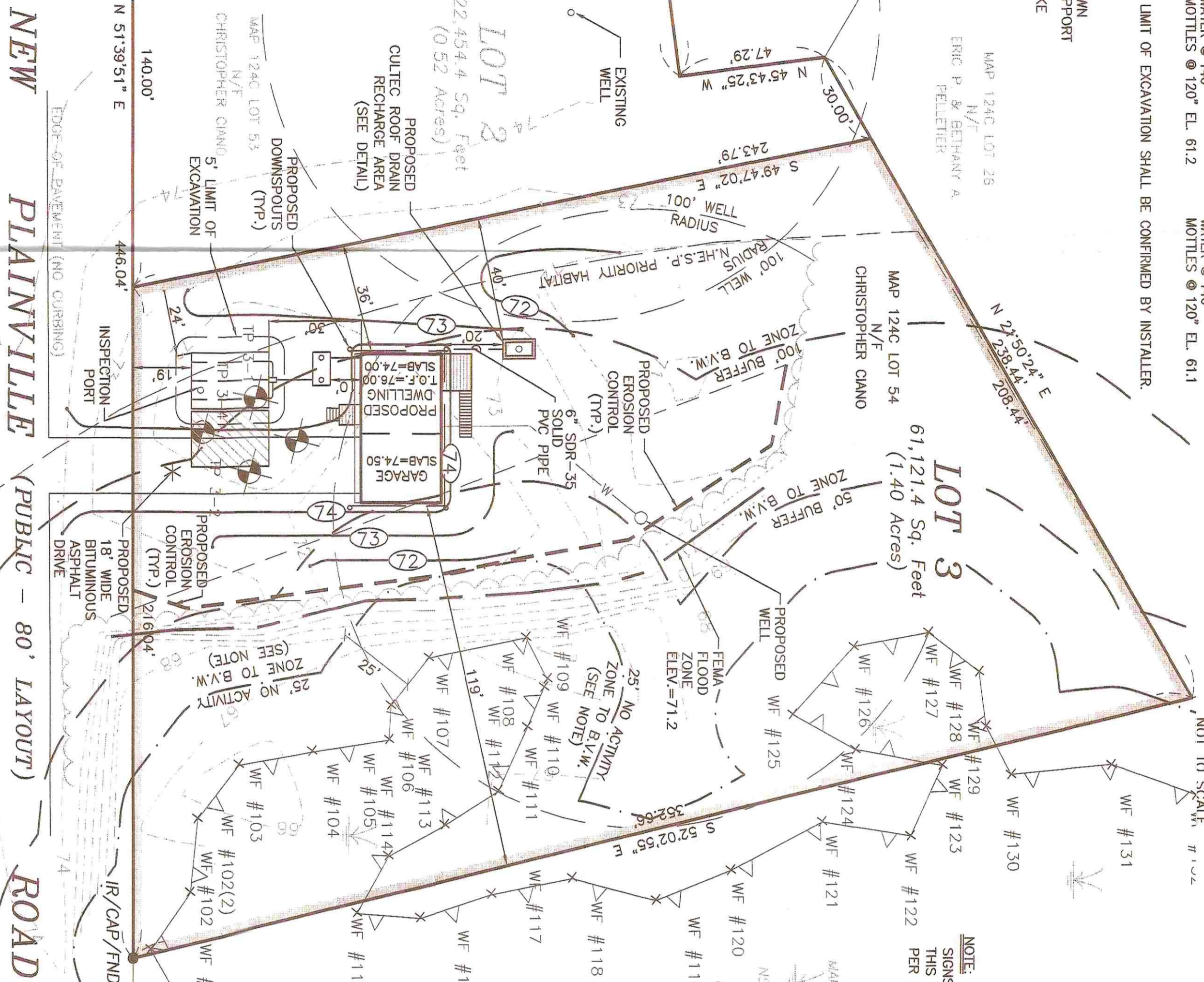
NOT TO SCALE



TYPICAL FIELD CROSS SECTION

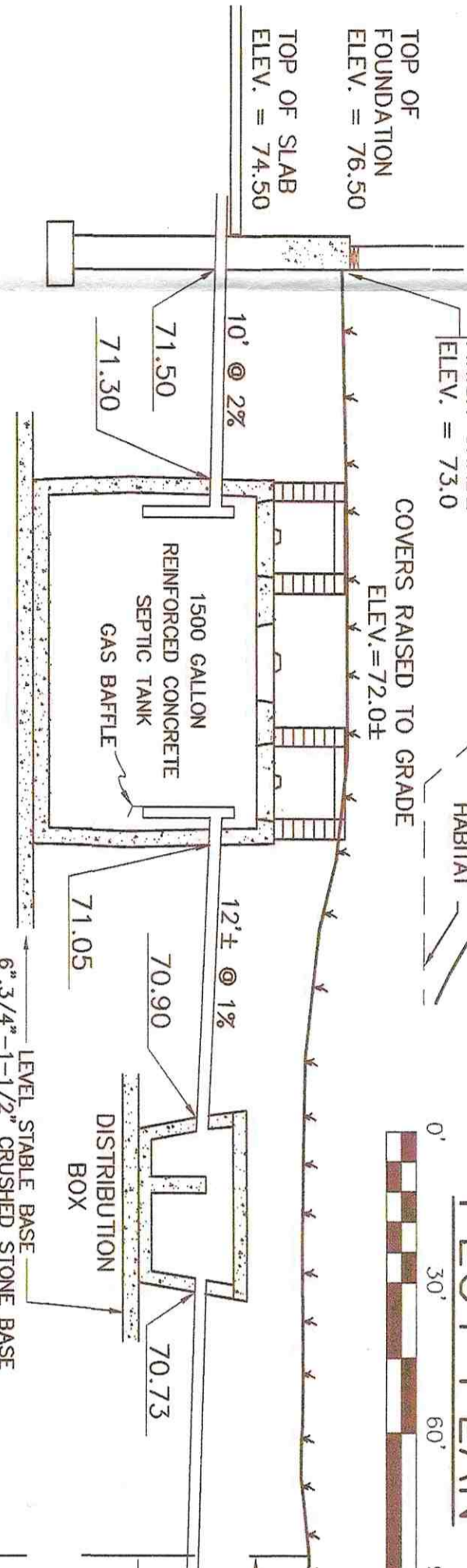
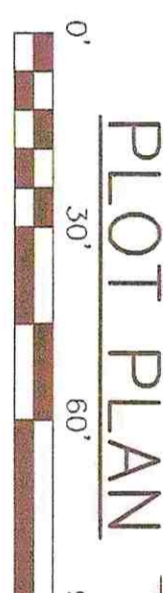


NOTE:
SIGNS STATING PROJECTED CONSERVATION AREA EXISTS BEYOND THIS BARRIER (POST FENCE, ETC.) AND IS TO REMAIN UNDISTURBED PER ORDER OF THE CITY OF NEW BEDFORD CONSERVATION COMMISSION.



NEW PLAINVILLE ROAD

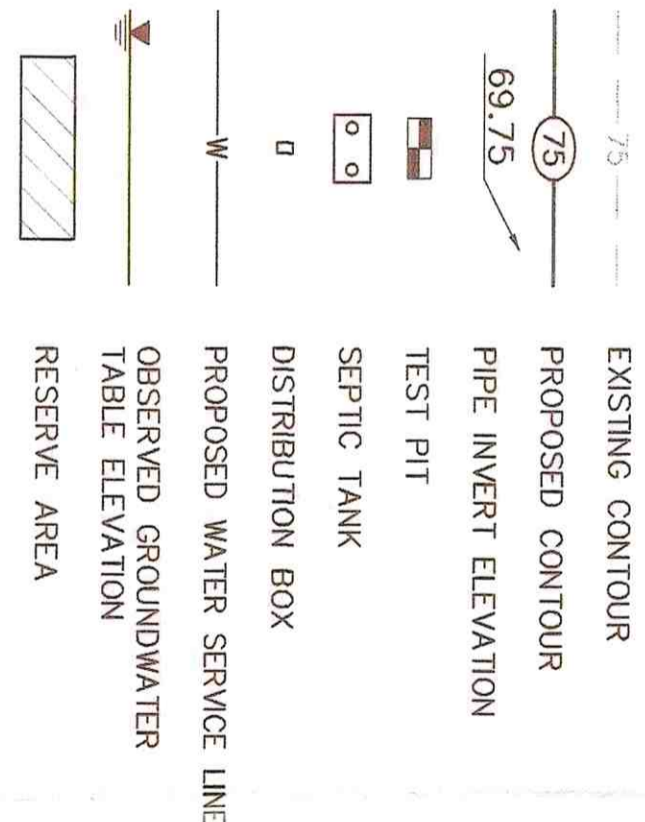
PLOT PLAN



SYSTEM PROFILE

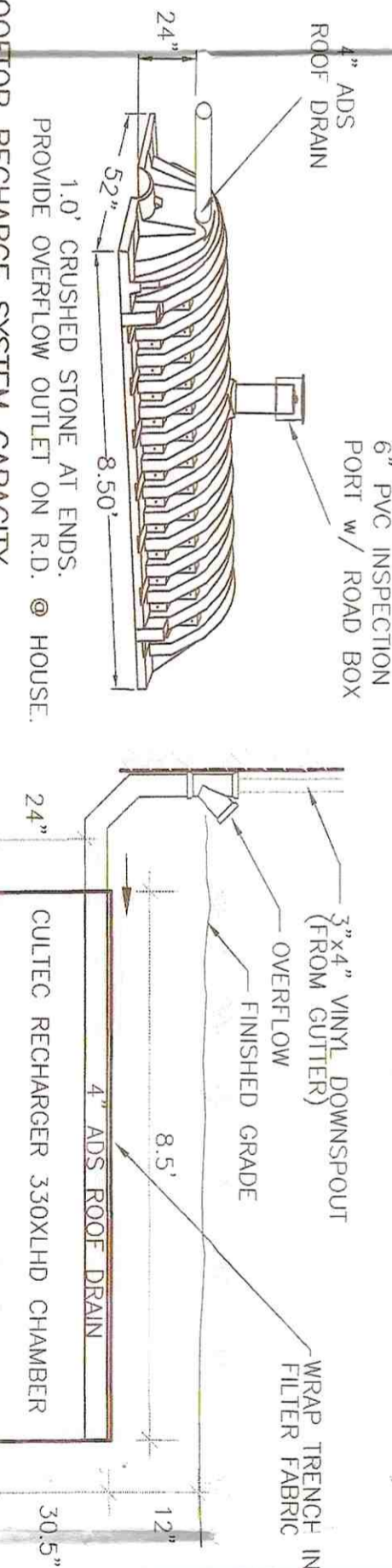
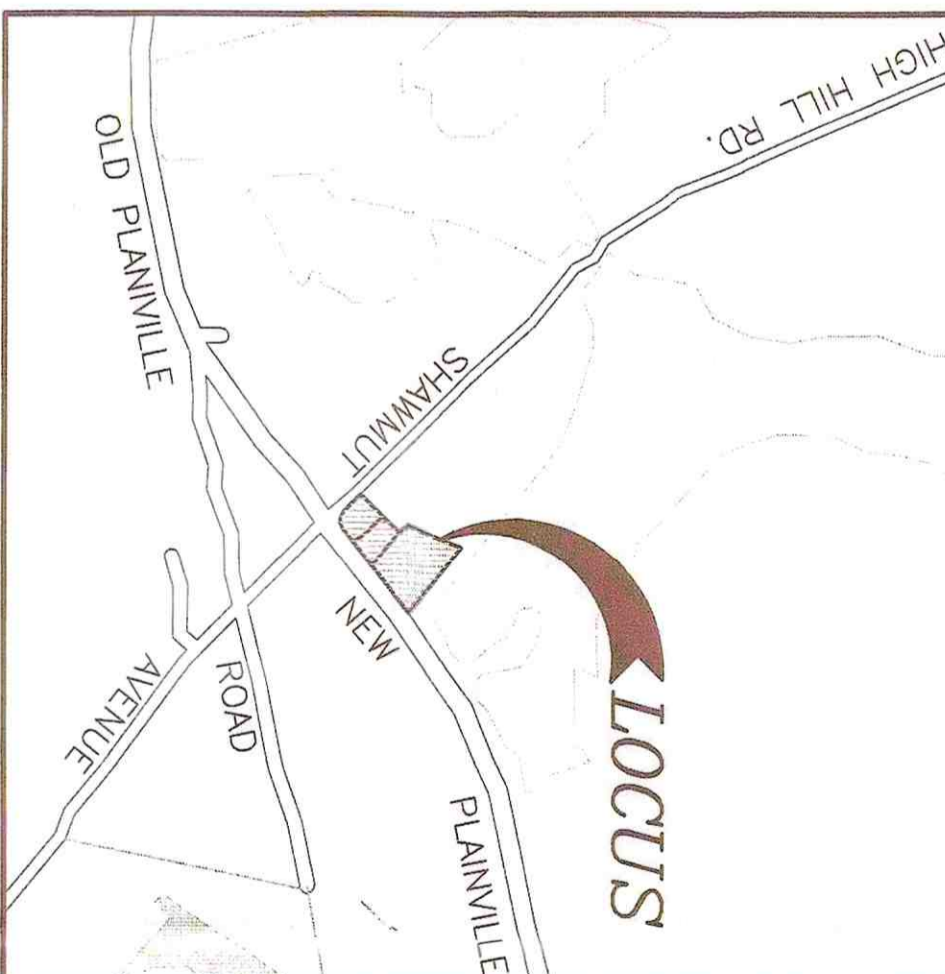
NOT TO SCALE

LEGEND

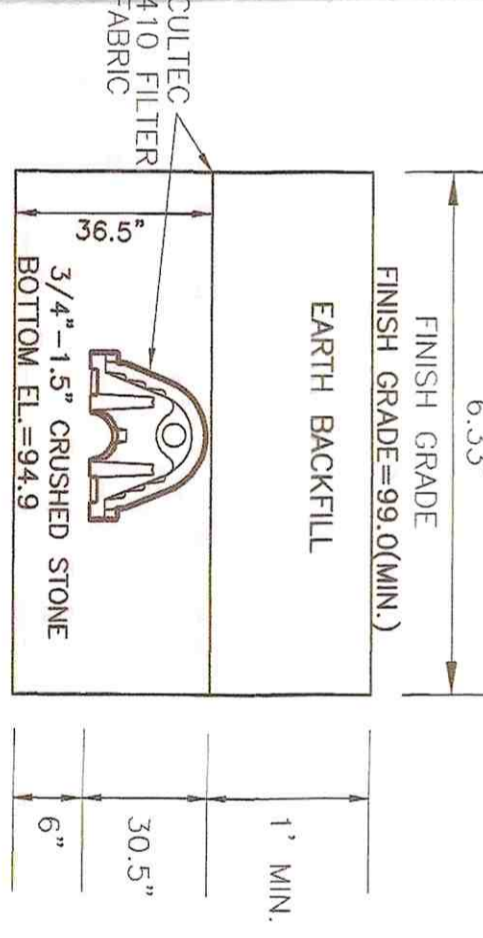


LOCUS MAP

SCALE: 1"=800.1



ROOFTOP RECHARGE SYSTEM CAPACITY
CULTEC UNIT = 79.3 CF CRUSHED STONE = (6.5x10.5x3.0) - (79.3 CF) x 4 VOID SP. = 48.1 CF
TOTAL CAPACITY OF SYSTEM = 127.4 CF SUPPLIED
1350 SQ. FT ROOF AREA X 1" / EVENT = 113 CU FT.
USE ONE(1) CULTEC 330XLHD=234.8 CF PROVIDED



ROOFTOP RECHARGE SYSTEM MAINTENANCE
ALL GUTTERS AND DOWNSPOUTS WILL HAVE LEAF SCREENS.
GUTTERS, DOWNSPOUTS AND RECHARGE SYSTEM MUST BE INSPECTED AND CLEANED AT LEAST TWICE PER YEAR (JUNE & DECEMBER).

CULTEC RECHARGER 330XLHD CHAMBER SYSTEMS

NOT TO SCALE

DESIGN DATA

DESIGN PERC RATE: 1" IN < 2 MIN.
EFFLUENT LOADING RATE: SOIL CLASS 1 → 0.74 GPD/SF
DESIGN FLOW: 3 BEDROOM X 110 GPD/BEDROOM = 330 GPD REQUIRED
SYSTEM DESIGN: USE 18" x 25" LEACHING FIELD
BOTTOM: 18" x 25" x 0.74 GPD/SF = 333 GPD PROVIDED
RESERVE AREA: USE 18" x 25" LEACHING FIELD

ZONING INFORMATION

FRONT YARD SETBACK: 20 FEET
SIDE YARD SETBACK: 10 FEET, 12 FEET
REAR YARD SETBACK: 30 FEET

GENERAL NOTES

- 1) CONTRACTOR SHALL NOTIFY DUE SAFE AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- 2) ALL CONSTRUCTION MATERIALS AND INSTALLATION METHODS TO CONFORM TO THE CITY OF NEW BEDFORD DEPARTMENT OF PUBLIC INFRASTRUCTURE SPECIFICATIONS LATEST REVISION.
- 3) THE DEVELOPER AND SITE CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE DEPARTMENT OF PUBLIC INFRASTRUCTURE PRIOR TO START OF CONSTRUCTION.
- 4) CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER IMMEDIATELY IF FIELD CONDITIONS ARE FOUND TO DIFFER WITH THIS DRAWING.
- 5) THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION OF THE ADJUTING AREA IN THE CONSTRUCTION OF THIS SITE. REPAIR OF DAMAGED PROPERTY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO COST TO THE OWNER.
- 6) THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING ALL CONSTRUCTION.

SEPTIC SYSTEM:

- 1) THIS SYSTEM SHALL BE INSPECTED WHEN LEACHING AREA IS FULLY EXCAVATED AND WHEN ALL COMPONENTS ARE IN PLACE. WHEN THE SYSTEM IS READY FOR INSPECTION, THE CONTRACTOR SHALL NOTIFY THE LOCAL BOARD OF HEALTH.
- 2) DOUBLE WASHED CRUSHED STONE SHALL BE FREE OF ALL DIRT, DUST AND FINES.
- 3) ALL ELEVATIONS ARE BASED ON ASSUMED ELEVATION DATUM.
- 4) HEAVY EQUIPMENT SHALL NOT BE ALLOWED TO OPERATE OVER THE LIMITS OF THE SEWAGE DISPOSAL SYSTEM DURING THE COURSE OF CONSTRUCTION.
- 5) NO FIELD MODIFICATIONS TO THE SEWAGE DISPOSAL SYSTEM SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER AND THE LOCAL BOARD OF HEALTH.
- 6) UNLESS OTHERWISE NOTED ALL SYSTEM COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH TITLE V OF THE STATE ENVIRONMENTAL CODE AND ANY APPLICABLE LOCAL REGULATIONS.
- 7) SEPTIC TANK, DISTRIBUTION BOX, ETC. SHALL BE MANUFACTURED BY SUEA CONCRETE OR APPROVED EQUAL.
- 8) GROUT TO BE USED AT ALL POINTS WHERE PIPES ENTER OR LEAVE ALL CONCRETE STRUCTURES IN ORDER TO PROVIDE A WATERIGHT SEAL.
- 9) ALL SHUT-UP JOINTS IN THE SEPTIC TANK SHALL BE SEALED WITH NEOPRENE GASKETS OR ASPHALT CEMENT.
- 10) EXCAVATE ALL UNSUITABLE MATERIAL IN LEACHING AREA AND BACKFILL WITH CLEAN GRANULAR SAND IN ACCORDANCE WITH 15.225(5) OF TITLE V. ALL BACKFILL MATERIAL HAS TO BE APPROVED BY THE NEW BEDFORD BOARD OF HEALTH.
- 11) THIS SYSTEM IS NOT DESIGNED FOR A GARBAGE DISPOSAL UNIT.

BOARD OF HEALTH STAMPS

BOARD OF HEALTH STAMPS

SUBSURFACE SEWAGE DISPOSAL SYSTEM & BUILDING SITE PLAN

OWNER: CHRISTOPHER CIANO
ASSESSORS MAP 124C - LOT 54
NEW PLAINVILLE ROAD, NEW BEDFORD, MA

ENGINEERING FIRM:



DATE: SEPTEMBER 23, 2020 REV.: 12/3/20, 3/4/21
CONTACT PERSON: KORY MEDEIROS
ACAD NO. NB 16-6452 SDD5-LOT 30DWG FILE NO. 16-6452