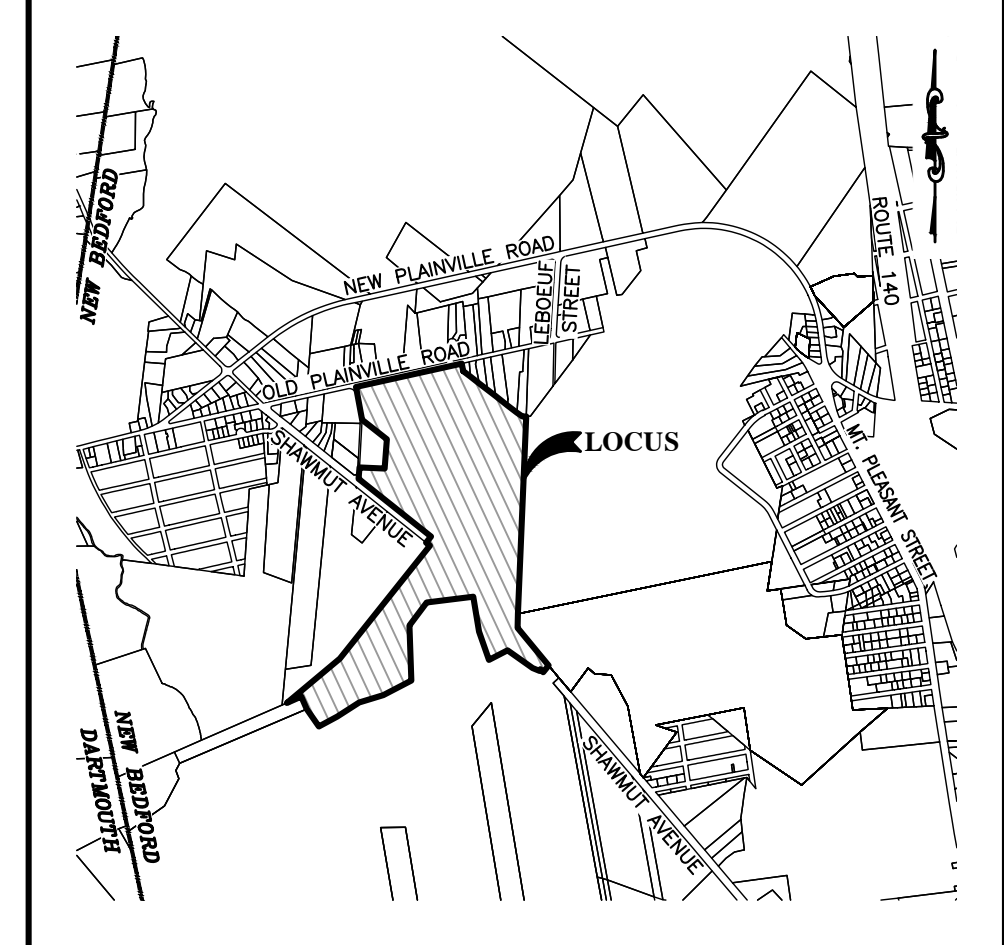


LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	PIPE INVERT ELEVATION
	TEST PIT
	SEPTIC TANK
	DISTRIBUTION BOX
	PROPOSED WATER SERVICE LINE
	OBSERVED GROUNDWATER TABLE ELEVATION
	RESERVE AREA

LOCUS MAP
SCALE: 1"=2,000'±



DESIGN DATA
DESIGN PERC RATE: 1 INCH IN 6 MINUTES
EFFLUENT LOADING RATE: CLASS I → 0.70 GPD/SF
DESIGN FLOW: 75 GPD/1,000 SF = <u>200 GPD</u> MINIMUM REQUIRED FOR OFFICE BUILDING
SYSTEM DESIGN: USE 12' x 25' LEACHING FIELD
BOTTOM: 12' x 25' x 0.70 GPD/SF = <u>210 GPD</u> PROVIDED
RESERVE AREA: USE 12' x 25' LEACHING FIELD

ZONING INFORMATION
ZONE: INDUSTRIAL A (IA)
FRONT YARD SETBACK: 25 FEET
SIDE YARD SETBACK: 25 FEET
REAR YARD SETBACK: 25 FEET

- | GENERAL NOTES |
|---|
| 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 NAVD 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 SHEA 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 WATERTIGHT SEAL. |
| 9) ALL SHIPLAP 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(3) OF TITLE V. ALL BACKFILL MATERIAL HAS TO BE APPROVED BY THE LOCAL BOARD OF HEALTH. |
| 11) THIS SYSTEM IS NOT DESIGNED FOR A GARBAGE DISPOSAL UNIT. |

FOR PERMIT

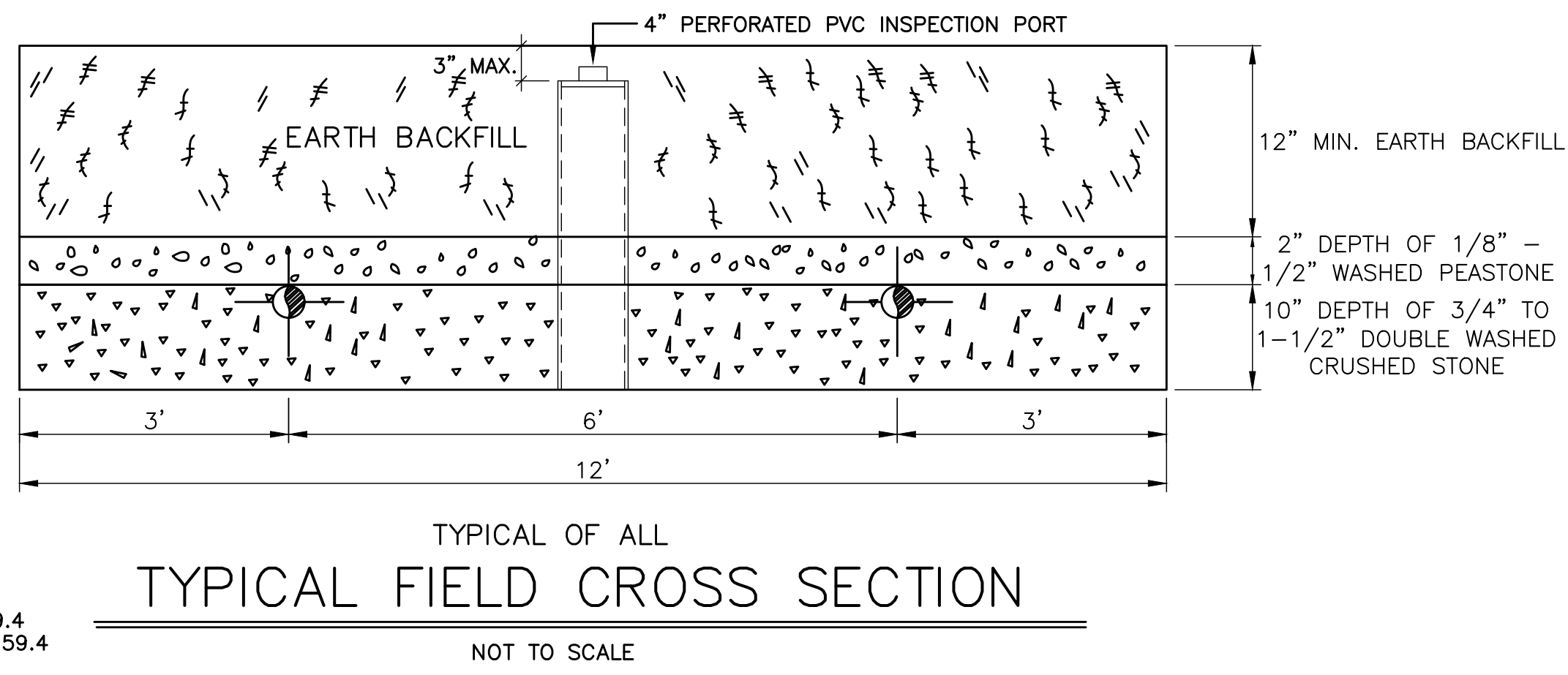
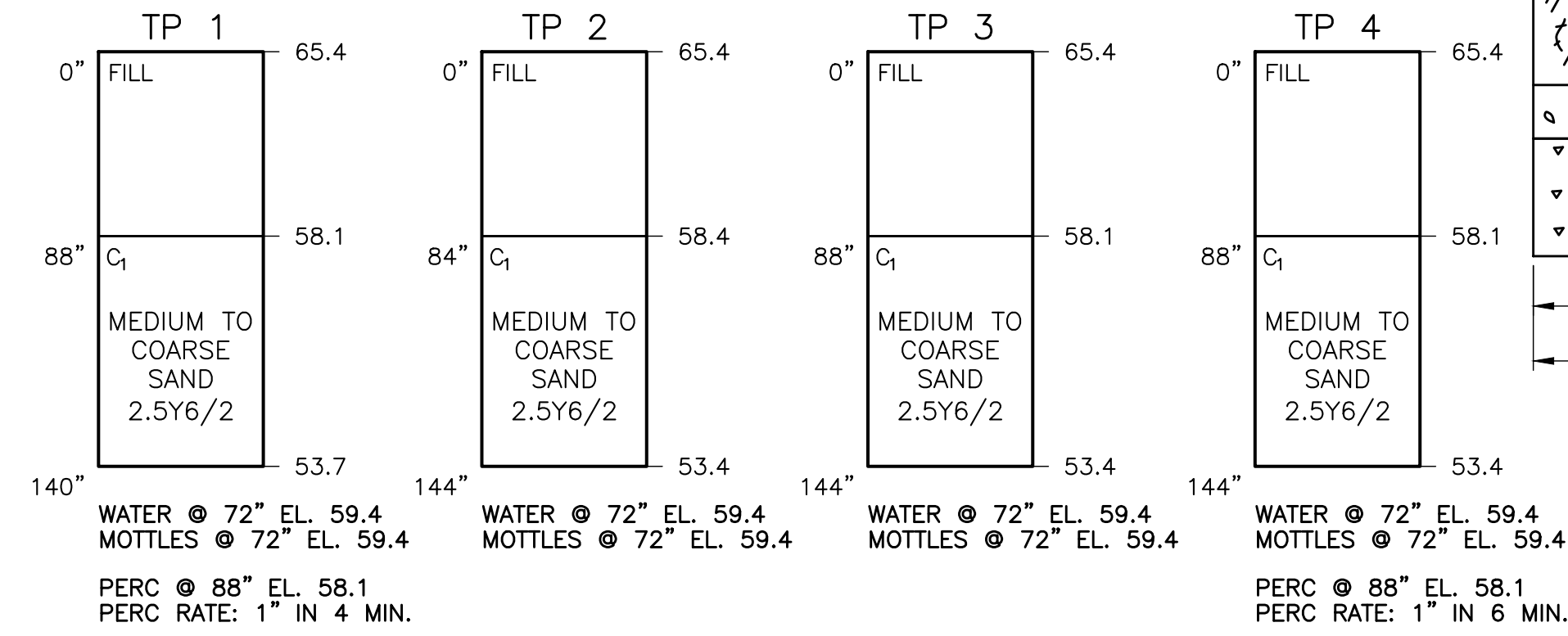
BOARD OF HEALTH STAMPS

BOARD OF HEALTH STAMPS

SUBSURFACE SEWAGE DISPOSAL SYSTEM	
HANGERS4PLANES ASSESSORS MAP 124 - LOT 28 NEW BEDFORD MUNICIPAL AIRPORT NEW BEDFORD, MA	
 Part of Civil & Environmental Consultants, Inc. 449 Faunce Corner Road - Dartmouth, MA 02747 Ph: 508.998.2125 - Fax: 508.998.7554 www.cecinc.com	
DATE: 03/28/2022	CONTACT PERSON: ALISON CESAR
ACAD NO. NB 20-7600 SSDS.DWG	FILE NO. 20-7600

SOIL DATA

DATE: 08/31/2021 PERFORMED BY: DANIEL S. GIOIOSA SE880
 WITNESSED BY: GAIL JOSEPH, BOARD OF HEALTH AGENT



LEGEND

- 65 — EXISTING CONTOUR
- 66 — PROPOSED CONTOUR
- 64.93 — PIPE INVERT ELEVATION
- — TEST PIT
- — SEPTIC TANK
- — DISTRIBUTION BOX
- W — PROPOSED WATER SERVICE LINE
- — OBSERVED GROUNDWATER TABLE ELEVATION
- ▨ — RESERVE AREA

DESIGN DATA

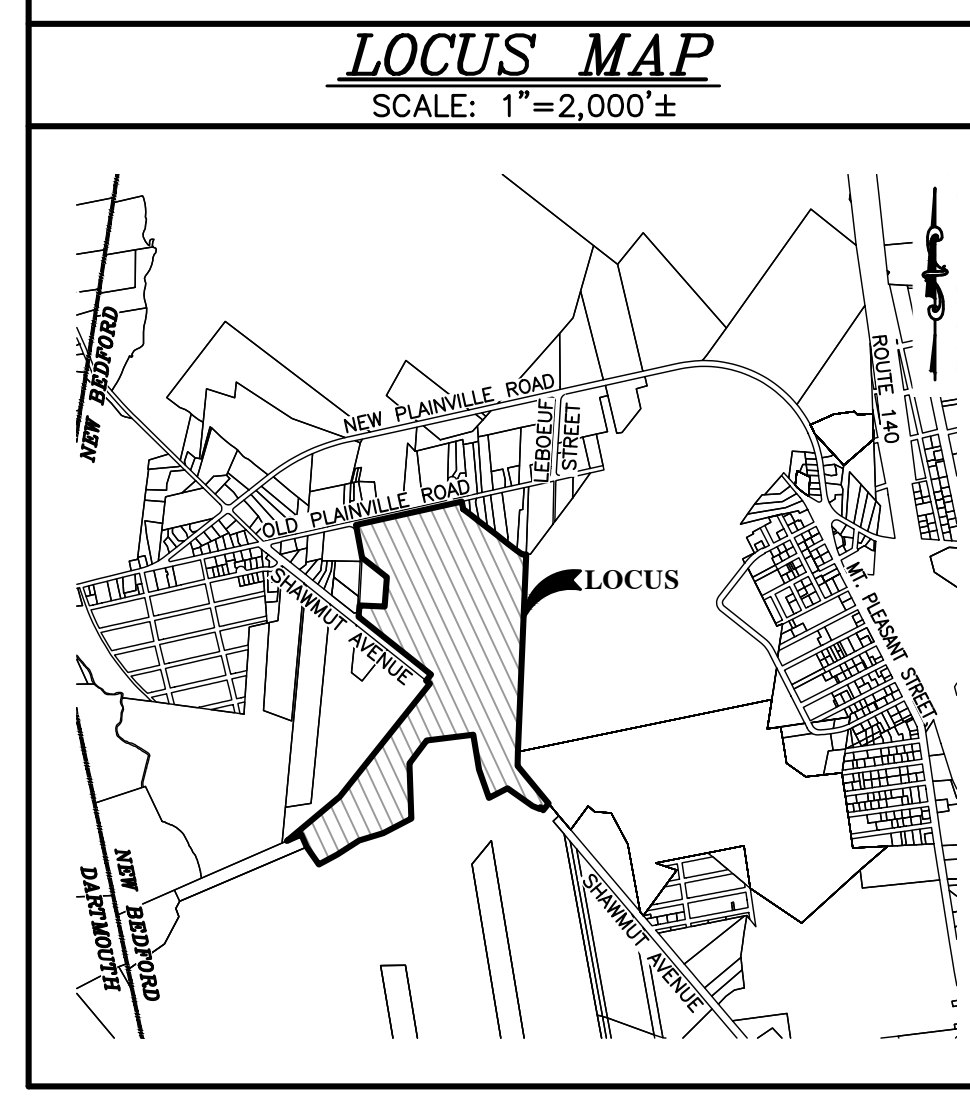
DESIGN PERC RATE: 1 INCH IN 6 MINUTES
 EFFLUENT LOADING RATE: CLASS I → 0.70 GPD/SF
 DESIGN FLOW: 75 GPD/1,000 SF = 200 GPD MINIMUM REQUIRED FOR OFFICE BUILDING
 SYSTEM DESIGN: USE 12' x 25' LEACHING FIELD
 BOTTOM: 12' x 25' x 0.70 GPD/SF = 210 GPD PROVIDED
 RESERVE AREA: USE 12' x 25' LEACHING FIELD

ZONING INFORMATION

ZONE: INDUSTRIAL A (IA)
 FRONT YARD SETBACK: 25 FEET
 SIDE YARD SETBACK: 25 FEET
 REAR YARD SETBACK: 25 FEET

GENERAL NOTES

- 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.
- DOUBLE WASHED CRUSHED STONE SHALL BE FREE OF ALL DIRT, DUST AND FINES.
- ALL ELEVATIONS ARE BASED ON NAVD ELEVATION DATUM.
- HEAVY EQUIPMENT SHALL NOT BE ALLOWED TO OPERATE OVER THE LIMITS OF THE SEWAGE DISPOSAL SYSTEM DURING THE COURSE OF CONSTRUCTION.
- NO FIELD MODIFICATIONS TO THE SEWAGE DISPOSAL SYSTEM SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER AND THE LOCAL BOARD OF HEALTH.
- UNLESS OTHERWISE NOTED ALL SYSTEM COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH TITLE V OF THE STATE ENVIRONMENTAL CODE AND ANY APPLICABLE LOCAL REGULATIONS.
- SEPTIC TANK, DISTRIBUTION BOX, ETC. SHALL BE MANUFACTURED BY SHEA CONCRETE OR APPROVED EQUAL.
- GROUT TO BE USED AT ALL POINTS WHERE PIPES ENTER OR LEAVE ALL CONCRETE STRUCTURES IN ORDER TO PROVIDE A WATERTIGHT SEAL.
- ALL SHIPLAP JOINTS IN THE SEPTIC TANK SHALL BE SEALED WITH NEOPRENE GASKETS OR ASPHALT CEMENT.
- EXCAVATE ALL UNSUITABLE MATERIAL IN LEACHING AREA AND BACKFILL WITH CLEAN, GRANULAR SAND IN ACCORDANCE WITH 15.225(3) OF TITLE V. ALL BACKFILL MATERIAL HAS TO BE APPROVED BY THE LOCAL BOARD OF HEALTH.
- THIS SYSTEM IS NOT DESIGNED FOR A GARBAGE DISPOSAL UNIT.



**ROOF DRAIN RECHARGE
 CULTEC RECHARGER 150XLHD CHAMBER SYSTEMS**
 NOT TO SCALE

CAPACITY=27.16 C.F.

PROVIDE OVERFLOW OUTLET ON R.D. @ HOUSE.

ROOFTOP RECHARGE SYSTEM CAPACITY

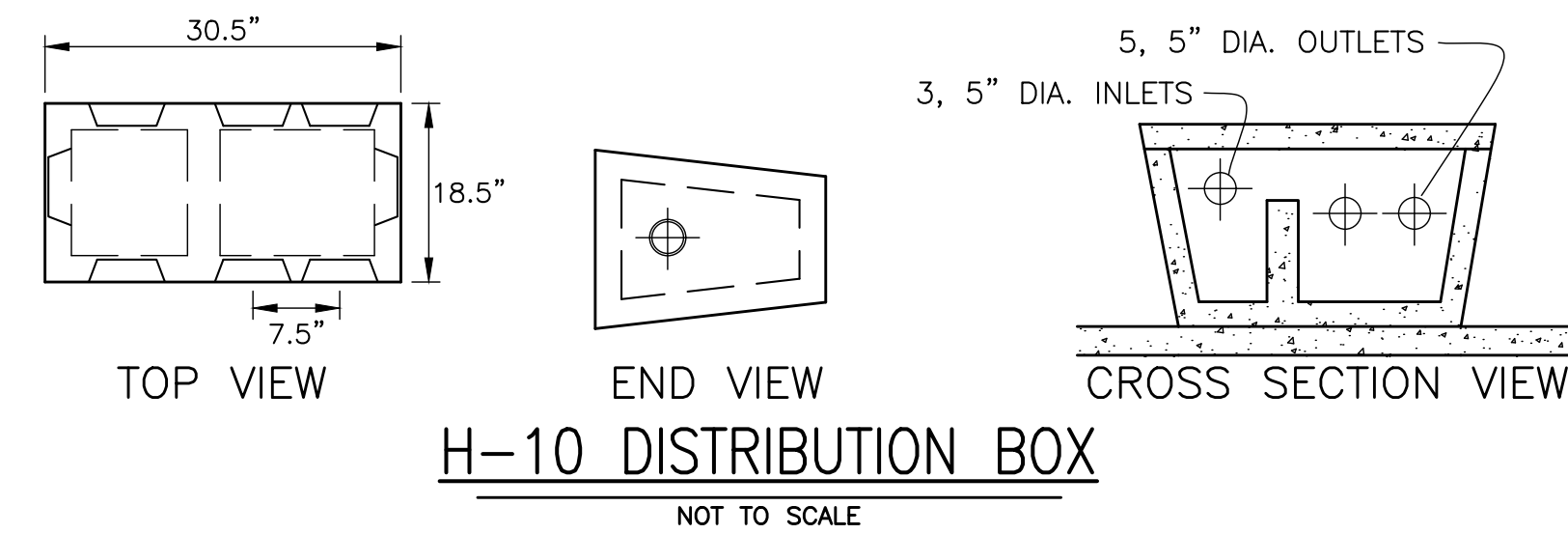
CULTEC UNIT RECHARGER 150XLHD = 27.16 CF
 6" CRUSHED STONE = (6.8'x12'x1.4') - (27.16 CF) x 0.4 VOIDS = 34.0 CF
 TOTAL CAPACITY OF SYSTEM = 27.16 CF + 34.0 CF = 61.2 CF PER CHAMBER SUPPLIED USE (1) CHAMBER

VOLUME TO ACCOMMODATE 1" RUNOFF OF ROOF AREA

OFFICE BUILDING = 625 SF
 625 SF x 1 INCH/12 INCH = 52.1 CF REQUIRED

ROOFTOP RECHARGE SYSTEM MAINTENANCE

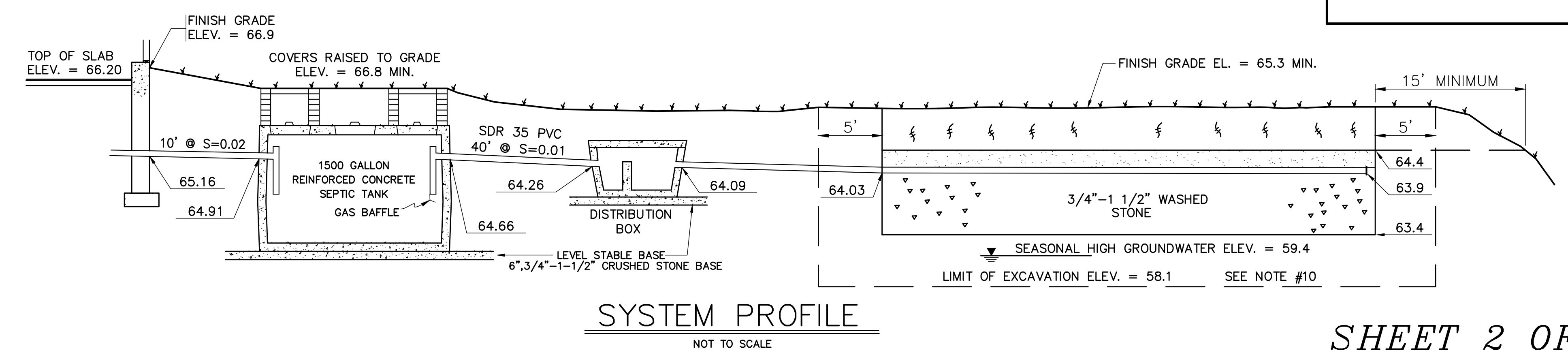
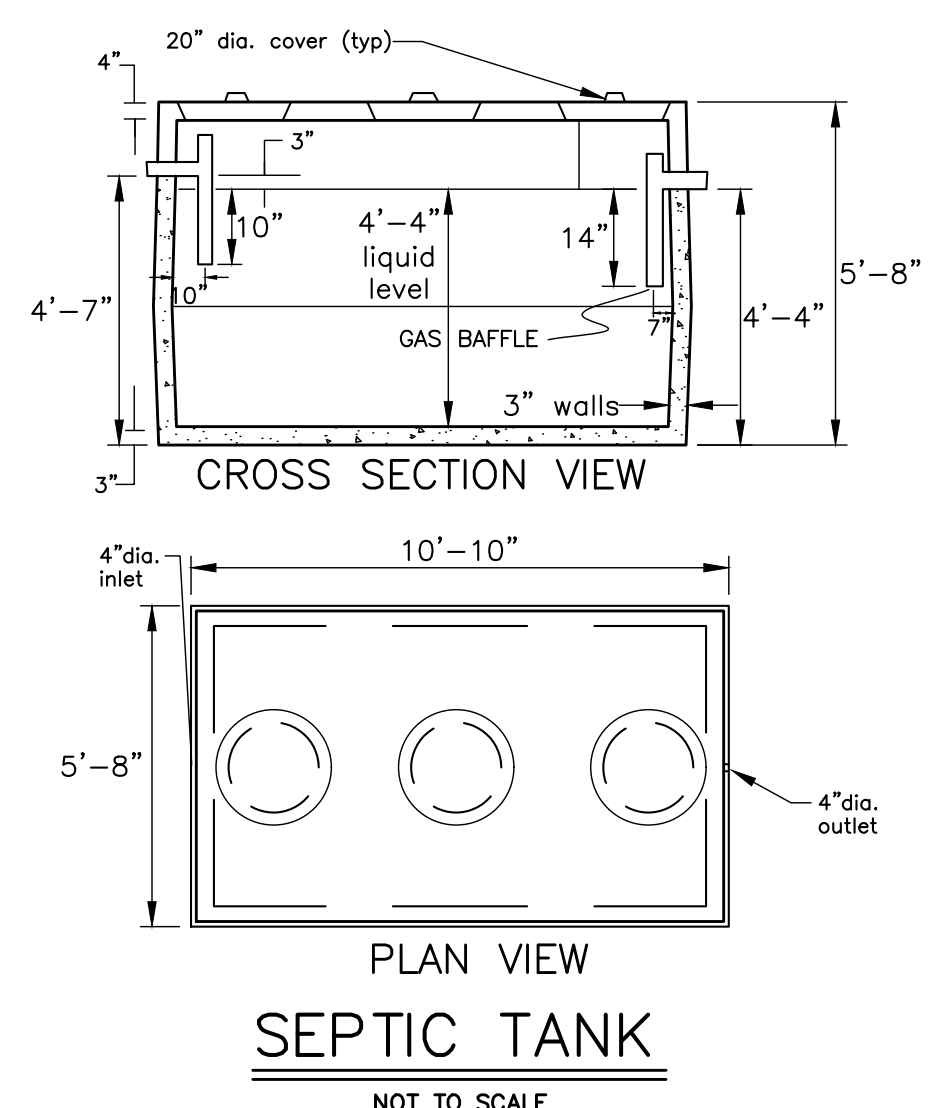
ALL GUTTERS AND DOWNSPOUTS WILL HAVE LEAF SCREENS. GUTTERS, DOWNSPOUTS, AND RECHARGE SYSTEM MUST BE INSPECTED AND CLEANED AT LEAST TWICE PER YEAR (JUNE & DECEMBER).



FOR PERMIT

BOARD OF HEALTH STAMPS

BOARD OF HEALTH STAMPS



SUBSURFACE SEWAGE DISPOSAL SYSTEM

HANGERS4PLANES
 ASSESSORS MAP 124 - LOT 28
 NEW BEDFORD MUNICIPAL AIRPORT
 NEW BEDFORD, MA

SITEC
 Part of Civil & Environmental Consultants, Inc.
 449 Faunce Corner Road - Dartmouth, MA 02747
 Ph: 508.998.2125 · Fax: 508.998.7554
 www.cecinc.com

DATE: 03/28/2022
 CONTACT PERSON: ALISON CESAR
 ACAD NO. NB 20-7600 SSDS.DWG | FILE NO. 20-7600