

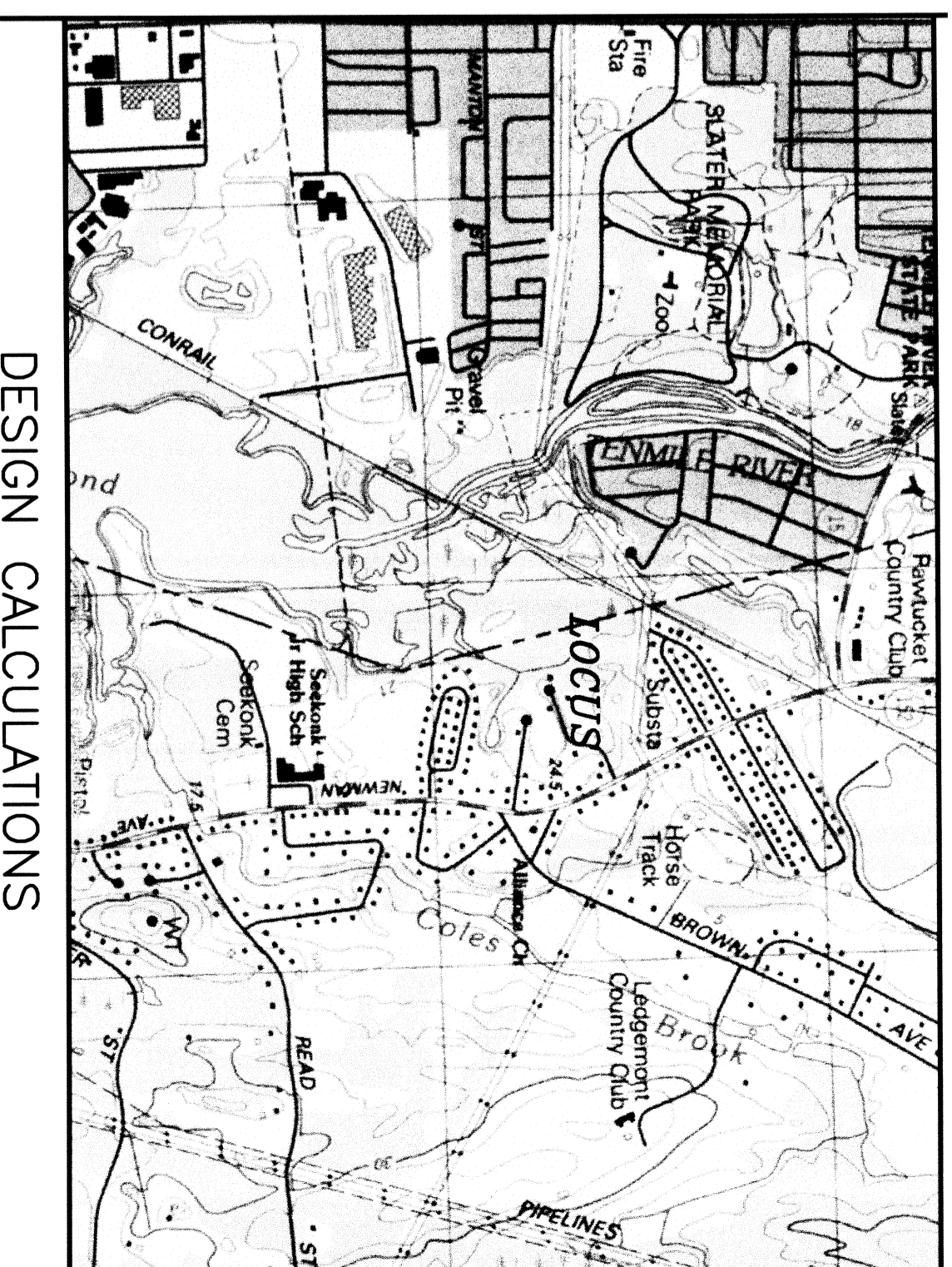
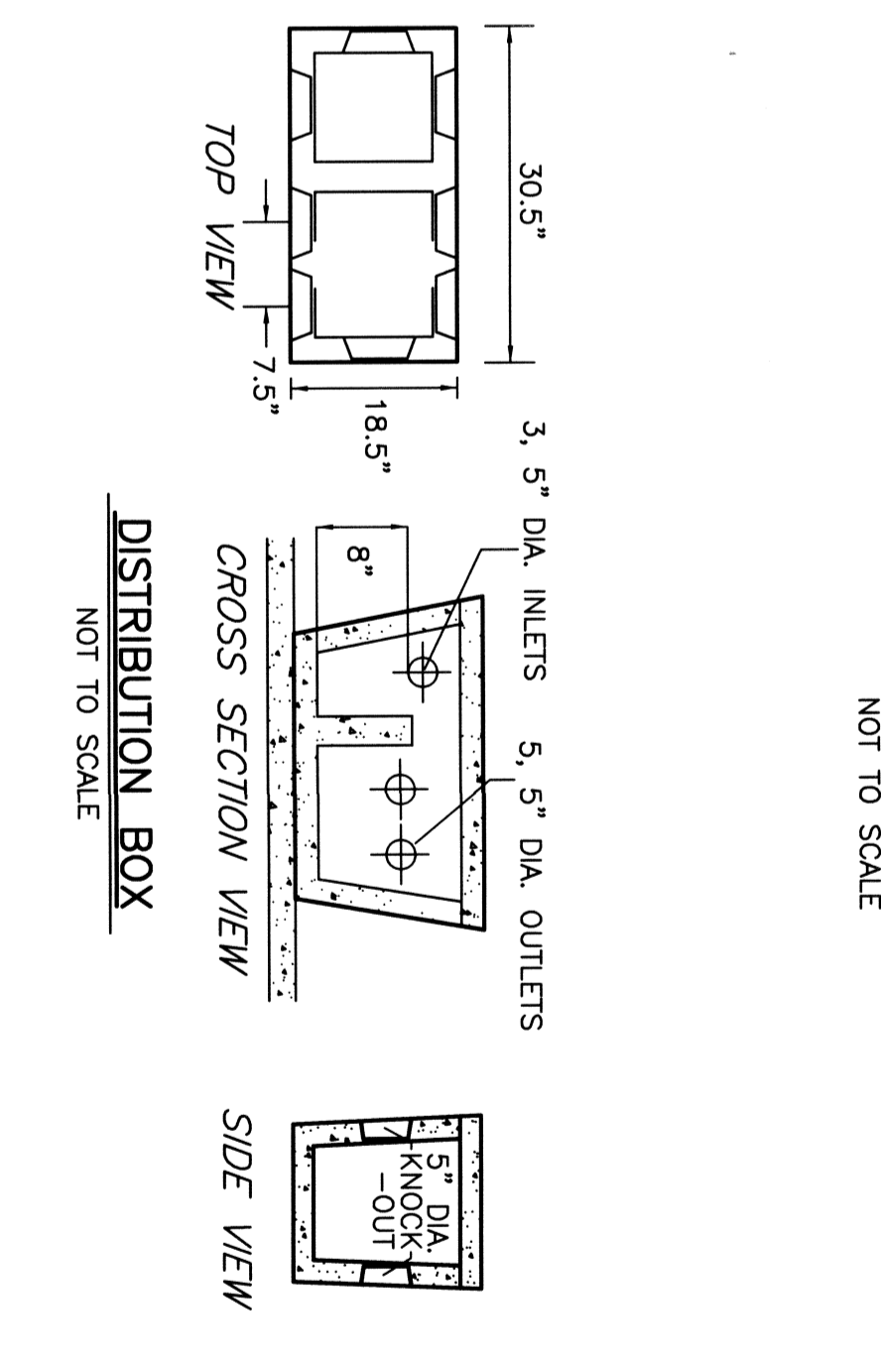
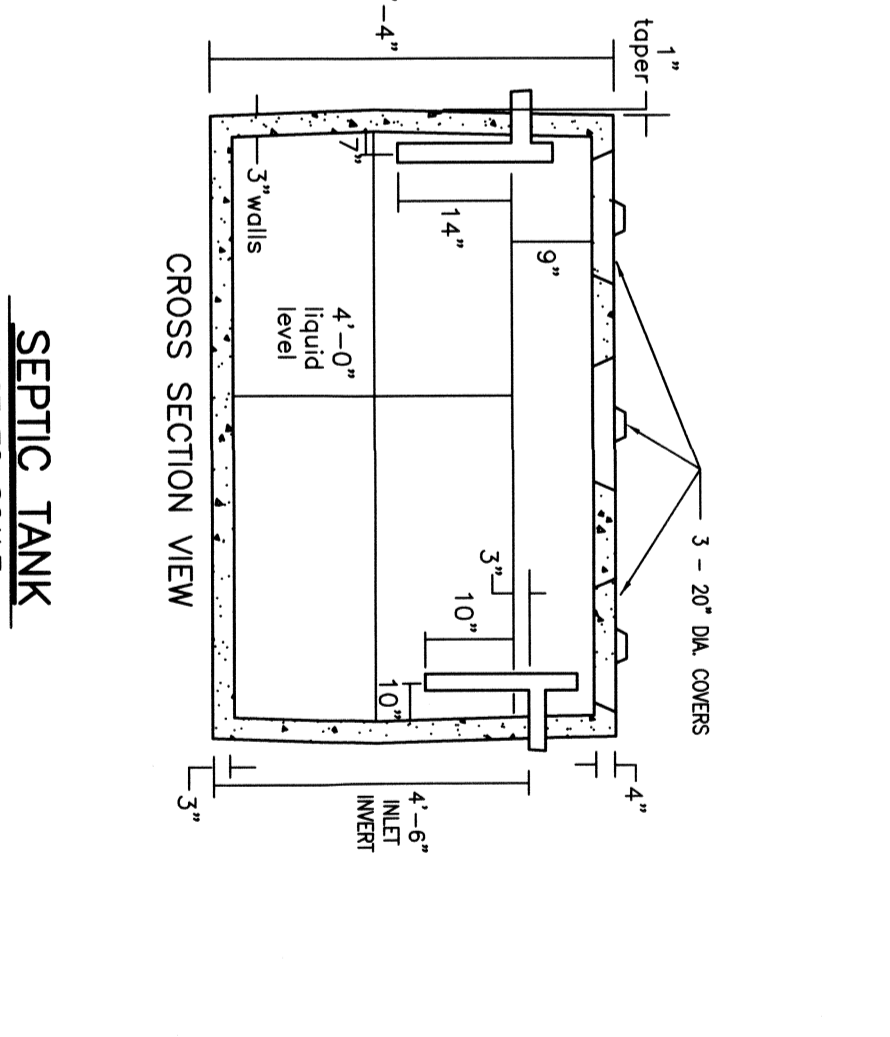
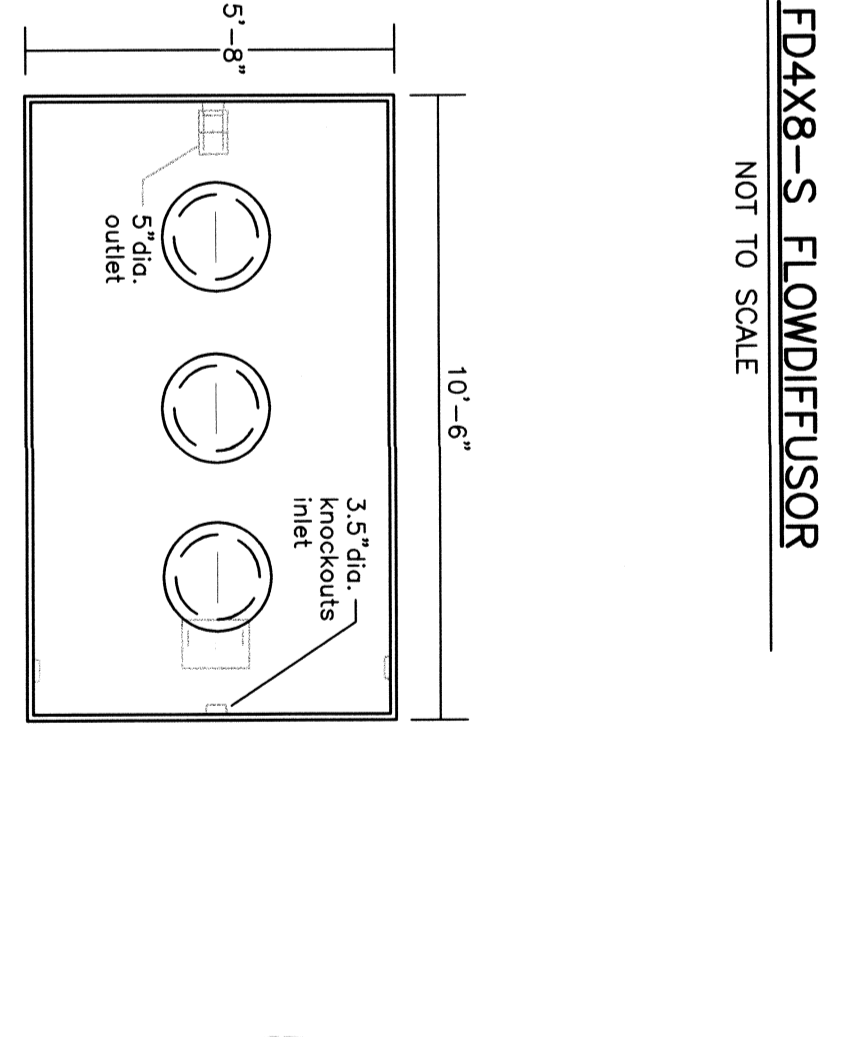
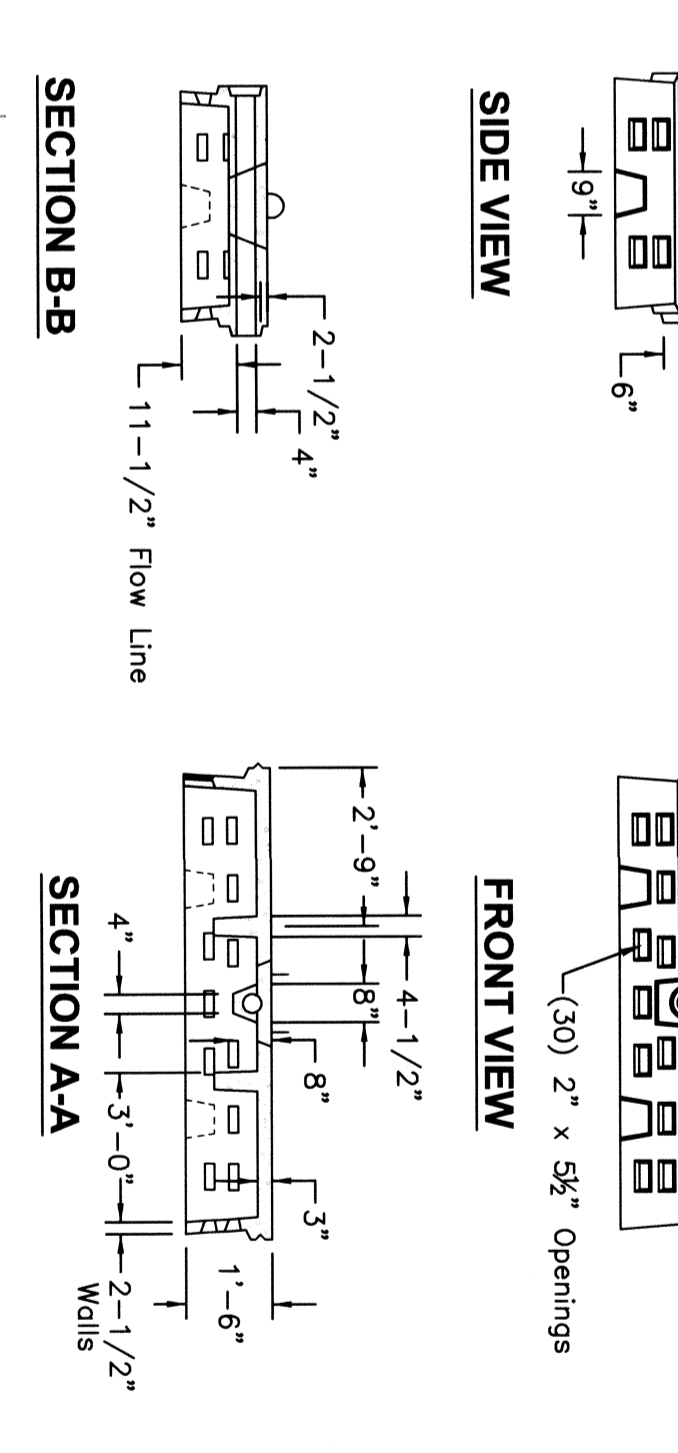
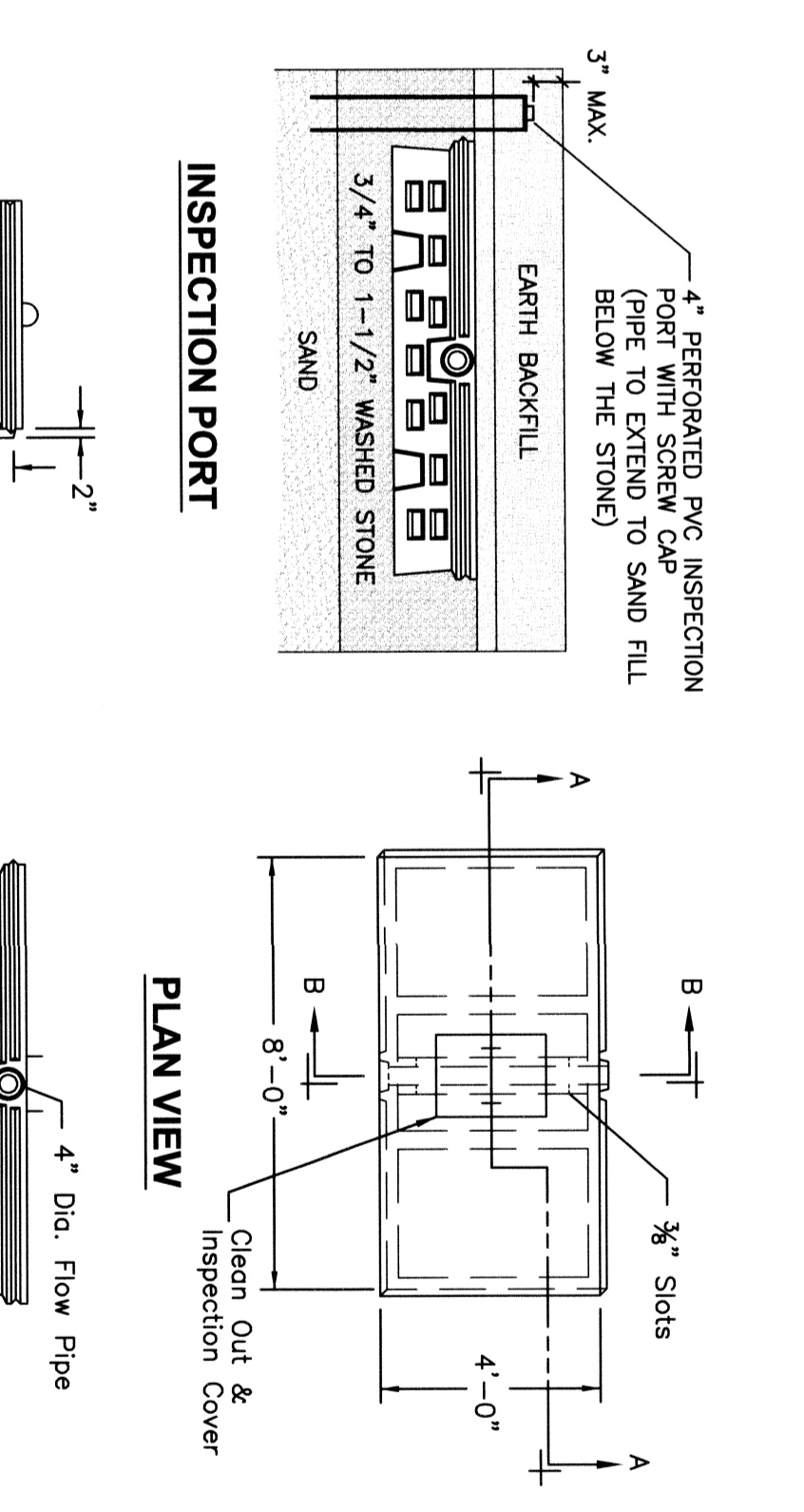
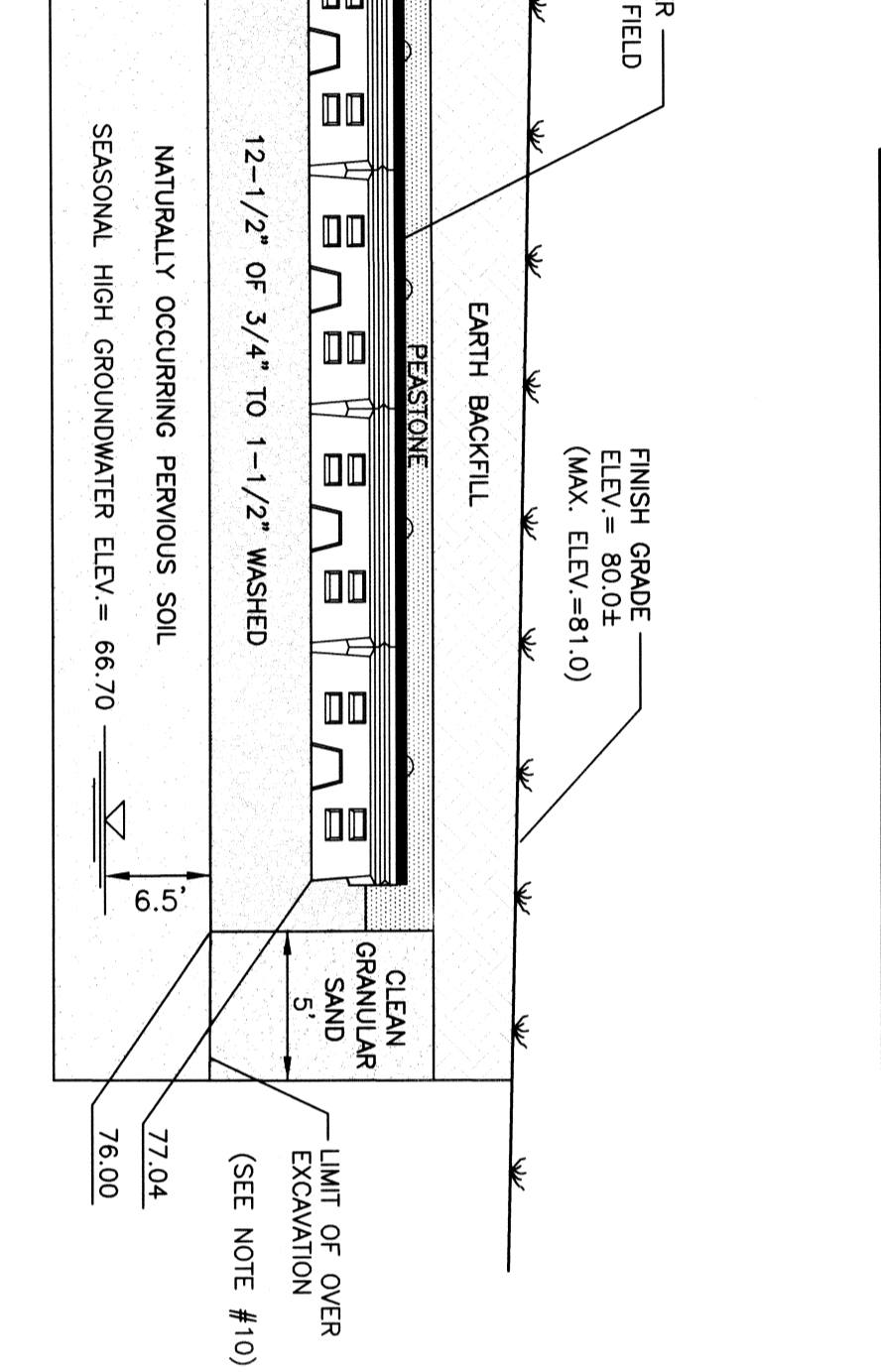
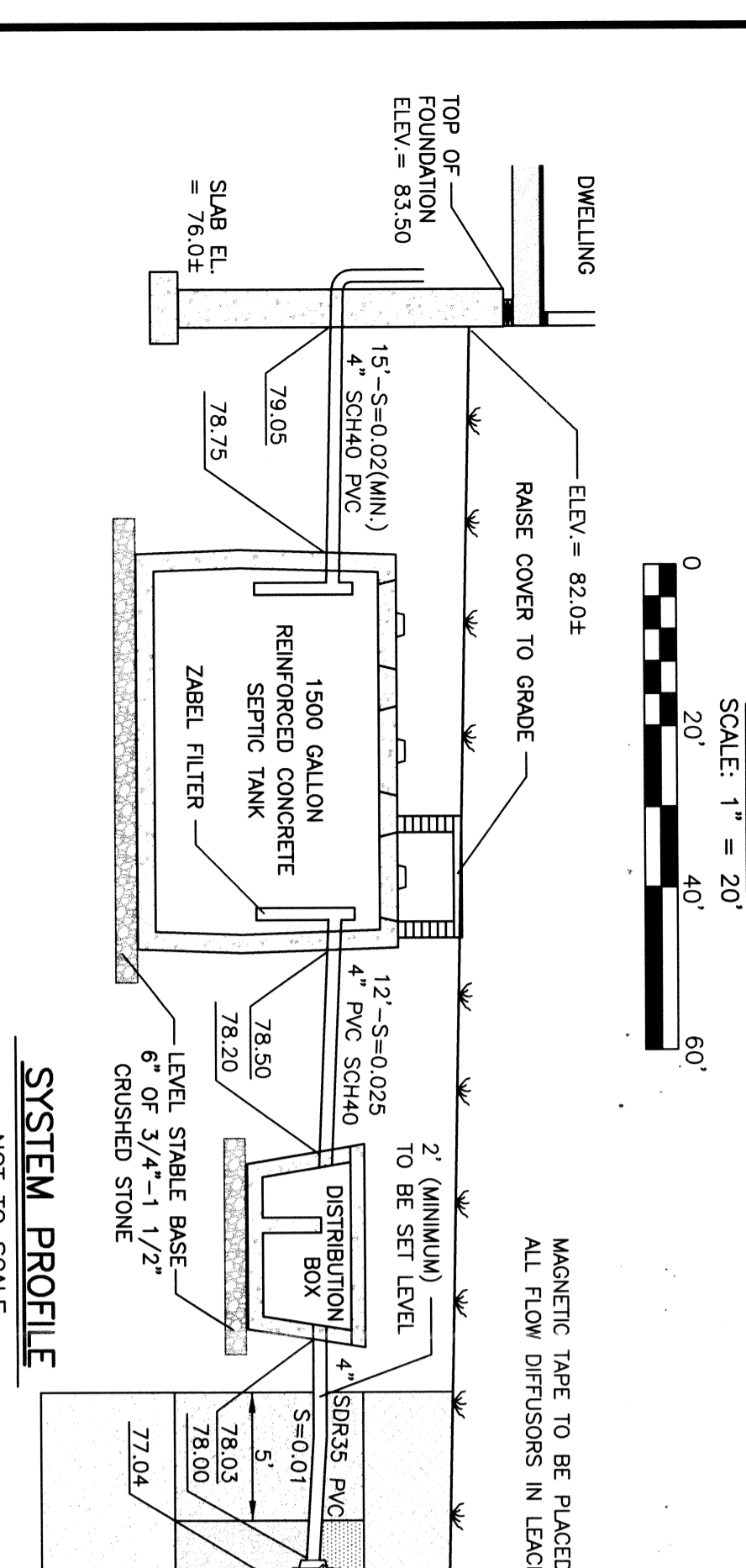
I CERTIFY THAT I HAVE CONTACTED THE SEEKONK WATER DISTRICT FOR THE LOCATION OF THE EXISTING WATER SERVICE AND CURB STOP TO LOT 9 AND IT IS SHOWN CORRECTLY. THE WATER SERVICE SHOWN ON THIS PLAN IS TAKEN FROM A SKETCH OF SERVICE NO. 5036 FOR 15 TALL PINES LANE PROVIDED TO ME BY THE SEEKONK WATER DISTRICT.

**NOTES:**

- PROPERTY LINE INFORMATION TAKEN FROM THE PLAN ENTITLED "DEFINITIVE SUBDIVISION PLAN OF TALL PINES, A CONSERVATION, SUBDIVISION IN SEEKONK, MASSACHUSETTS" PREPARED FOR STONE GATE BUILDERS, INC., PREPARED BY SITE, INC., DATED JUNE 25, 2012 AND RECORDED IN THE BRISTOL COUNTY NORTH REGISTRY OF DEEDS IN PLAN BOOK 466 PAGE 79.
- THERE ARE NO WETLAND RESOURCE AREAS AS DENIED BY THE WETLANDS PROTECTION ACT (310 CMR 10.04) LOCATED ON OR WITHIN 100' OF THIS LOT OTHER THAN THOSE SHOWN HEREON.
- THIS LOT IS NOT LOCATED IN A FLOOD HAZARD AREA AS SHOWN ON THE NATIONAL FLOOD INSURANCE PROGRAM MAP ENTITLED "FLOOD INSURANCE RATE MAP, BRISTOL COUNTY, MASSACHUSETTS, PANEL 202 OF 550, MAP NUMBER 25005C0202F" DATED JULY 7, 2009.
- THIS LOT TO BE SERVICED BY MUNICIPAL WATER AND THE SUBSURFACE SEWAGE DISPOSAL SHOWN HEREON.
- THE POST AND RAIL FENCE SHOWN REPRESENTS A PERMANENT PHYSICAL BARRIER IN THE FIELD OF THE LIMITS OF DISTURBANCE AS DELINEATED ON THE DEFINITIVE SUBDIVISION PLAN OF "TALL PINES" APPROVED BY BOTH THE SEEKONK PLANNING BOARD AND THE SEEKONK CONSERVATION COMMISSION. NO WORK IS PERMITTED TO TAKE PLACE BEYOND THE POST AND RAIL FENCE.

**SOIL TEST DATA**

TP - 40	TP - 41	TP - 71	TP - 72
PERFORMED BY: DAN AGUIAR WITNESSED BY: J.R. CHENEVERT DATE: 3-14-11	PERFORMED BY: DAN AGUIAR WITNESSED BY: J.R. CHENEVERT DATE: 3-14-11	PERFORMED BY:	PERFORMED BY:
0" SANDY LOAM A 8" SANDY LOAM B 24" COARSE SAND C1 80" MEDIUM SAND C2	0" SANDY LOAM A 8" SANDY LOAM B 24" COARSE SAND C1 80" MEDIUM SAND C2	0" SANDY LOAM A 8" SANDY LOAM B 24" COARSE SAND C1 80" MEDIUM SAND C2	0" SANDY LOAM A 8" SANDY LOAM B 24" COARSE SAND C1 80" MEDIUM SAND C2
PERC AT 56" RATE = -2 MPI NO WATER ENC.	PERC AT 60" RATE = -2 MPI NO WATER ENC.		



**DESIGN CALCULATIONS**

DESIGN PERC RATE: 1 INCH IN 2 MINUTES

DESIGN FLOW: 3 BEDROOMS X 110 GPD/BDM = 330 GPD REQUIRED

LEACHING FIELD DESIGN: 330 GPD / (0.74 GPD / S.F.) = 446 S.F. REQUIRED

USE 4 - FD4X8-S FLOWDIFFUSORS WITH 3' OF STONE ALL AROUND.

THEREFORE: BOTTOM AREA = 14' X 22' = 308 S.F. PROVIDED

SIDEWALL AREA = (2)(2)(14) + (2)(2)(22) = 144 S.F. PROVIDED

TOTAL LEACHING AREA = 452 S.F. PROVIDED

THEREFORE, DESIGN FLOW PROVIDED = (452 S.F.)(0.74 GPD / S.F.) = 334 GPD

**ZONING REQUIREMENTS**

SECTION 25 LOT REQUIREMENTS:

MIN. LOT AREA = 15,000 S.F.

MIN. LOT WIDTH = N/A

MIN. LOT FRONTAGE = 50'

SETBACKS: FRONT - 20'

SIDE - 10'

REAR - 10'

**CONTRACTOR NOTES**

- CONTRACTOR SHALL NOTIFY DIG SAFE AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION. THIS PLAN IS BASED ON FIELD AND RECORD INFORMATION AND, THEREFORE, MAY NOT COMPLETELY REFLECT ALL EXISTING UTILITIES.
- CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER IMMEDIATELY IF FIELD CONDITIONS ARE FOUND TO DIFFER WITH THESE DRAWINGS.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION OF THE ADJACENT AREA AND UTILITIES IN THE CONSTRUCTION OF THIS SITE. REPAIR OF DAMAGED PROPERTY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO COST TO THE OWNER.

**GENERAL NOTES**

- THIS SYSTEM SHALL BE INSPECTED IN ACCORDANCE WITH THE TOWN OF SEEKONK BOARD OF HEALTH REGULATIONS.
- DOUBLE WASHED CRUSHED STONE SHALL BE FREE OF ALL DIRT, DUST AND FINES.
- ALL ELEVATIONS ARE BASED ON SUBDIVISION DATUM.
- HEAVY EQUIPMENT SHALL NOT BE ALLOWED TO OPERATE OVER THE LIMITS OF THE 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 A. ROTONDO & SONS OR APPROVED EQUAL.
- GROUT TO BE USED AT ALL POINTS WHERE PIPES ENTER OR LEAVE ALL CONCRETE STRUCTURES IN ORDER TO PROVIDE A WATER-TIGHT SEAL.
- ALL SHURUP JOINTS IN THE SEPTIC TANK SHALL BE SEALED WITH NEOPRENE GASKETS OR ASPHALT CEMENT.
- EXCAVATE ALL UNSURVEYED MATERIAL IN THE LEACHING AREA AND BACKFILL WITH CLEAN GRANULATED SAND AS REQUIRED BY TITLE V, MASSACHUSETTS ENVIRONMENTAL CODE.
- THIS SYSTEM IS NOT DESIGNED FOR A GARBAGE DISPOSAL UNIT. 69-759

**P.E. STAMP**

**SUBSURFACE SEWAGE DISPOSAL SYSTEM**

CLIENT: STONE GATE BUILDERS, LLC

LOCATION: ASSESSORS MAP 25 LOT 320

15 TALL PINES LANE

SEEKONK, MASSACHUSETTS 02771

ENGINEERING FIRM: **STTEC, Inc.**

Civil and Environmental Engineering

449 Fauceux Corner Road

Dorchester, MA 02747

Tel. - (508) 998-2125

Fax - (508) 998-7534

DATE: APRIL 9, 2013

REVISID:

CONTACT PERSON: JEFFREY TALLMAN

ACAD NO. : 10\_4697\_STONE\_GATE\_LOT\_9\_SSOS