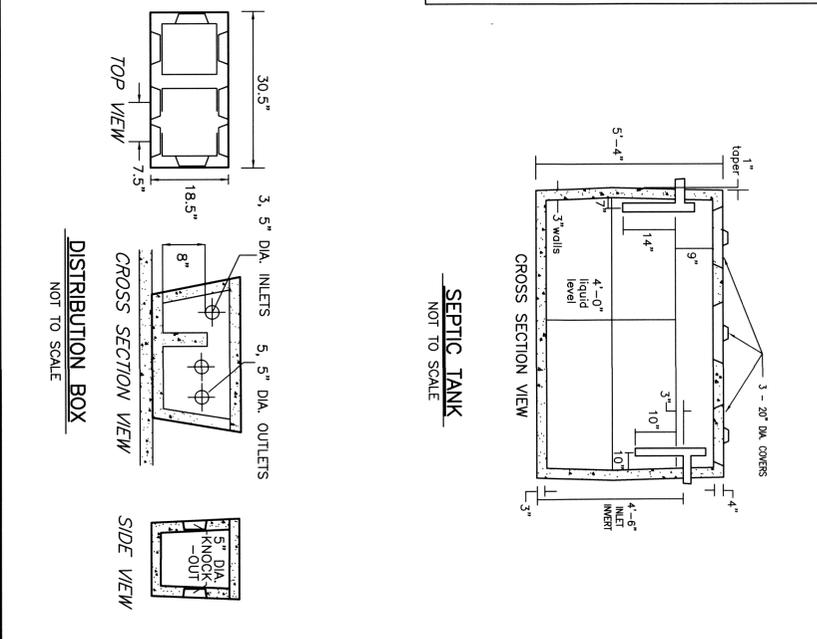
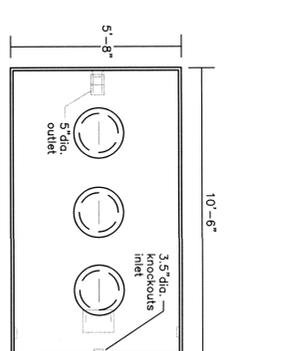
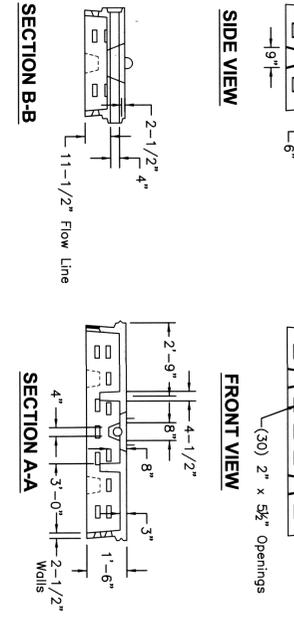
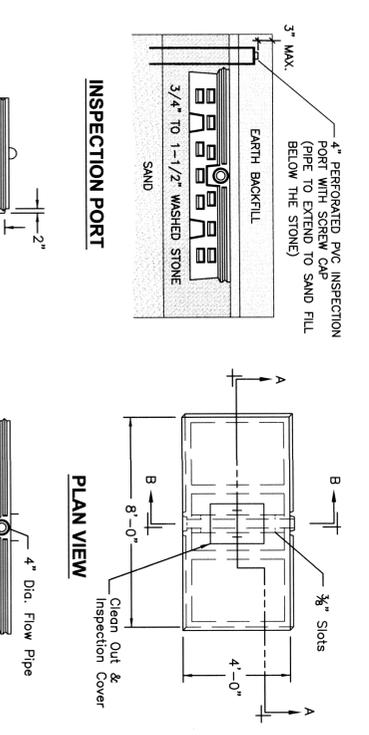
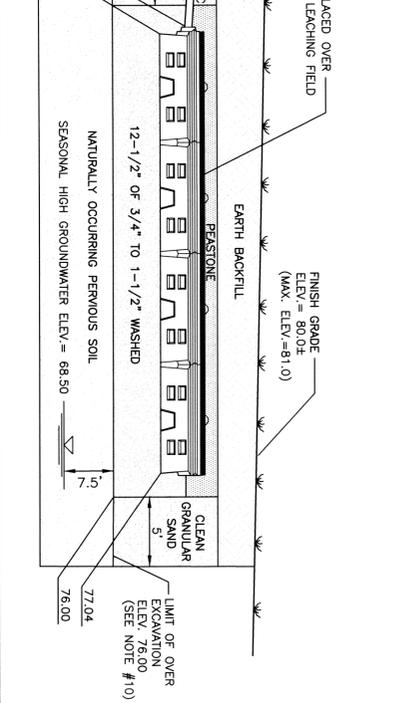
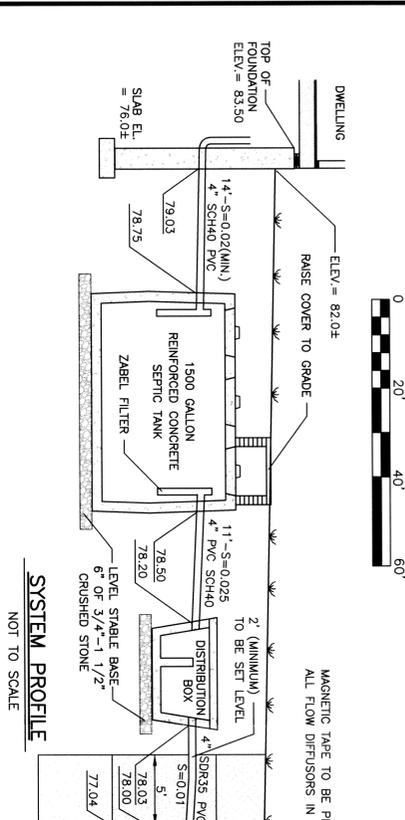


**NOTES:**

- 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 SITEC, INC., DATED JUNE 25, 2012 AND RECORDED IN THE BRISTOL COUNTY NORTH REGISTRY OF DEEDS IN PLAN BOOK 485 PAGE 79.
- THERE ARE NO WETLAND RESOURCE AREAS AS DEFINED 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 25005C0202P" 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 - 51	TP - 52	TP - 79	TP - 80
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: DAN GIOIOSA WITNESSED BY: BETH HALAL DATE: 12-27-12	PERFORMED BY: DAN GIOIOSA WITNESSED BY: BETH HALAL DATE: 12-27-12
0" A SANDY LOAM 4" B SANDY LOAM 24" C1 MEDIUM TO COARSE SAND 84" C2 MEDIUM SAND	0" A SANDY LOAM 4" B SANDY LOAM 24" C1 MEDIUM TO COARSE SAND 84" C2 MEDIUM SAND	0" A SANDY LOAM 10" B LOAMY SAND 24" C1 COARSE SAND AND GRAVEL 48" C2 COARSE SAND	0" A SANDY LOAM 12" B LOAMY SAND 24" C1 COARSE SAND AND GRAVEL 60" C2 COARSE SAND
80.5 80.2 78.5 73.5	80.5 80.2 78.5 73.5	80.0 79.2 78.0 76.0	80.3 79.3 78.3 75.3
PERC AT 60" RATE = <2 MPI NO WATER ENC.	PERC AT 48" RATE = <2 MPI NO WATER ENC.	132" NO WATER ENC.	132" 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 ADJUTING 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 DATA.
- 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 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 SHIP-LAP JOINTS IN THE SEPTIC TANK SHALL BE SEALED WITH NEOPRENE GASKETS OR ASPHALT CEMENT.
- EXCAVATE ALL UNSUITABLE MATERIAL IN THE LEACHING AREA AND BACKFILL WITH CLEAN GRANULAR SAND AS REQUIRED BY TITLE V, MASSACHUSETTS ENVIRONMENTAL CODE.
- THIS SYSTEM IS NOT DESIGNED FOR A GARAGE DISPOSAL UNIT.

**SUBSURFACE SEWAGE DISPOSAL SYSTEM**

CLIENT: STONE GATE BUILDERS, LLC  
 LOCATION: ASSESSORS MAP 25 LOT 325  
 5 TALL PINES LANE  
 SEEKONK, MASSACHUSETTS 02771

ENGINEERING FIRM: **SITEC, Inc.**  
 Civil and Environmental Engineering  
 Land Use Planning  
 449 Founce Corner Road  
 Dornmouth, MA 02747  
 Tel. - (508) 998-2125  
 Fax - (508) 998-7554

DATE: MARCH 20, 2013  
 REVISED:

CONTACT PERSON: JEFFREY TALLMAN  
 ACAD NO.: 10\_4697\_STONE\_GATE\_LOT\_14\_SSDS