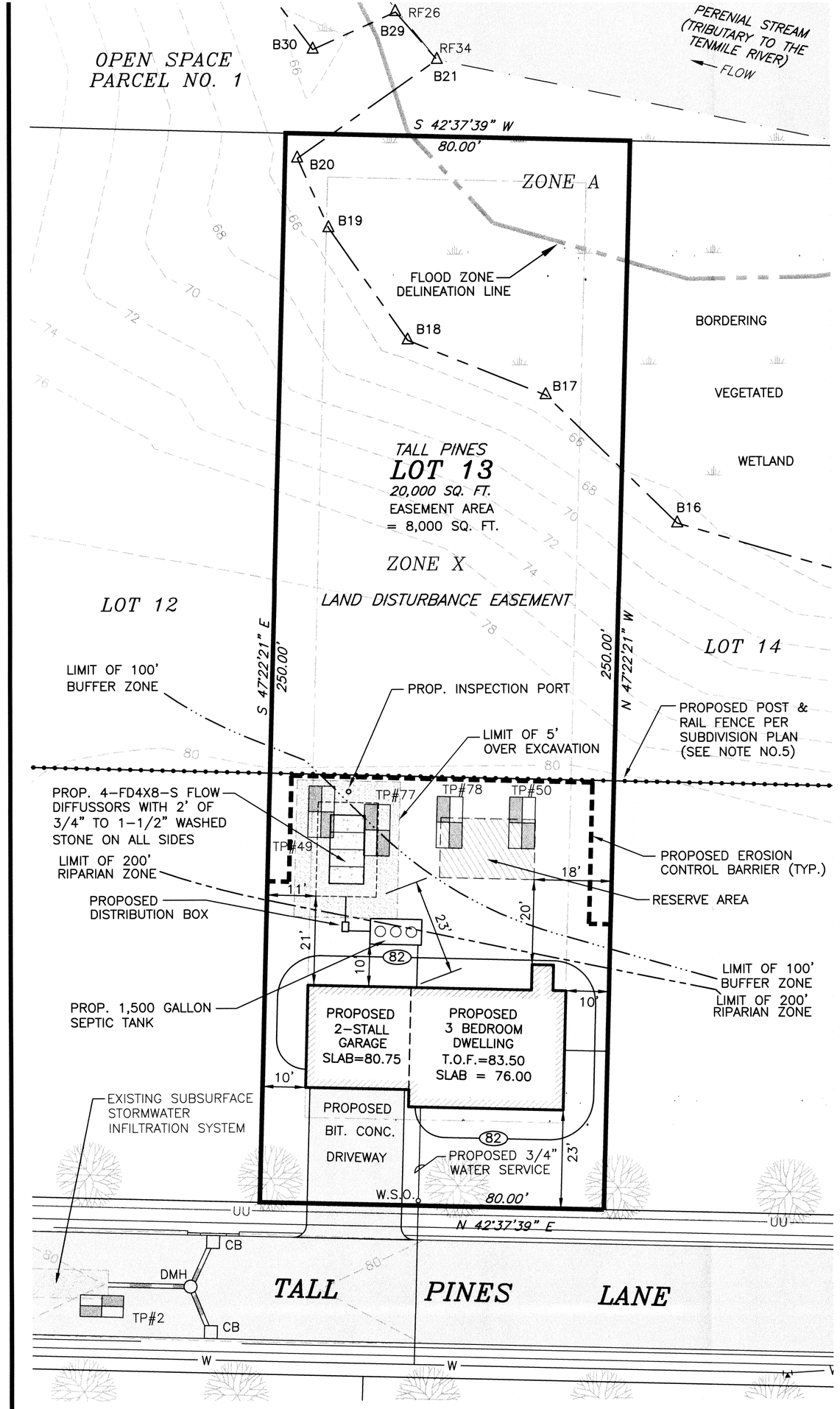


PLAN

SCALE: 1" = 20'

0 20' 40' 60'

LEGEND

PROPERTY LINE	UTILITY POLE
STREET TREE	LIGHT POST
EVERGREEN TREE	SEPTIC TANK
TREE LINE	100.00 INVERT ELEVATION
WETLAND LINE	WATER TABLE ELEV.
A14 WETLAND FLAG	RESERVE AREA
T.P. 2B TEST PIT	FIRE HYDRANT
142 EXISTING CONTOUR	W WATER MAIN
142 PROPOSED CONTOUR	STC STORMCEPTOR UNIT
DRAIN LINE	DMH DRAIN MANHOLE
CB CATCH BASIN	

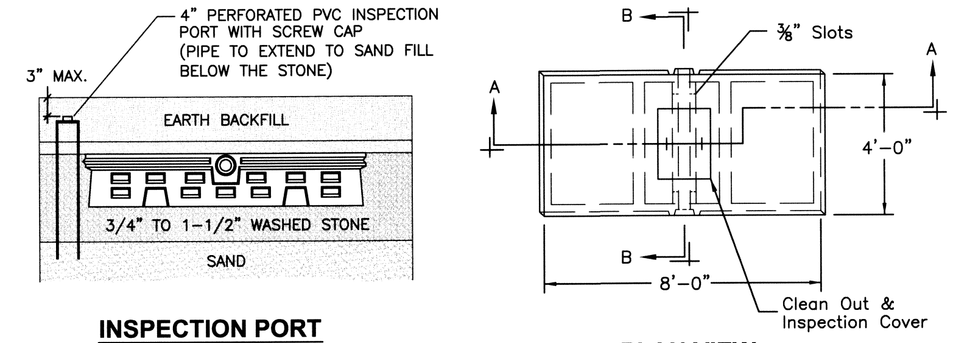
I CERTIFY THAT I HAVE CONTACTED THE SEEKONK WATER DISTRICT FOR THE LOCATION OF THE EXISTING WATER SERVICE AND CURB STOP TO LOT 13 AND IT IS SHOWN CORRECTLY. THE WATER SERVICE SHOWN ON THIS PLAN IS TAKEN FROM A SKETCH OF SERVICE NO. 5040 FOR 7 TALL PINES LANE PROVIDED TO ME BY THE SEEKONK WATER DISTRICT.

NOTES:

1. 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.
2. 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.
3. 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.
4. THIS LOT TO BE SERVICED BY MUNICIPAL WATER AND THE SUBSURFACE SEWAGE DISPOSAL SHOWN HEREON.
5. 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 THE SEEKONK PLANNING BOARD AND THE SEEKONK CONSERVATION COMMISSION. NO WORK IN PERMITTED TO TAKE PLACE BEYOND THE POST AND RAIL FENCE.

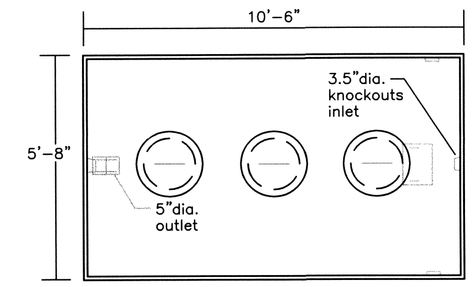
SOIL TEST DATA

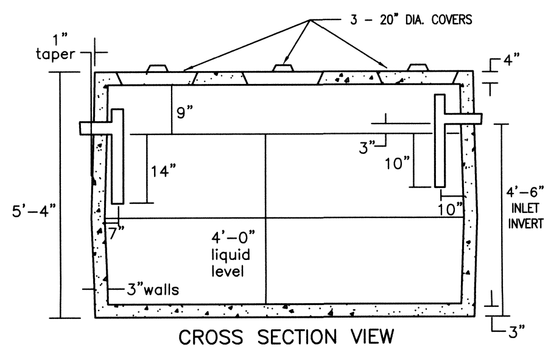
TP – 49	TP – 50	TP – 77	TP – 78
PERFORMED BY: DAN AGUIAR	PERFORMED BY: DAN AGUIAR	PERFORMED BY: DAN GIOIOSA	PERFORMED BY: DAN GIOIOSA
WITNESSED BY: J.R. CHENEVERT	WITNESSED BY: J.R. CHENEVERT	WITNESSED BY: BETH HALLAL	WITNESSED BY: BETH HALLAL
DATE: 3-14-11	DATE: 3-14-11	DATE: 12-27-12	DATE: 12-27-12
0" A SANDY LOAM 80.3	0" A SANDY LOAM 80.5	0" A SANDY LOAM 80.5	0" A SANDY LOAM 80.5
4" B SANDY LOAM 80.0	4" B SANDY LOAM 80.2	14" B LOAMY SAND 79.3	12" B LOAMY SAND 79.5
22" C1 MEDIUM TO COARSE SAND 78.5	22" C1 MEDIUM TO COARSE SAND 78.7	26" C1 COARSE SAND AND GRAVEL 78.3	36" C1 COARSE SAND AND GRAVEL 77.5
72" C2 MEDIUM SAND 74.3	72" C2 MEDIUM SAND 74.5	84" C2 COARSE SAND 73.5	72" C2 COARSE SAND 74.5
130" 69.5	130" 69.7	144" 68.5	148" 68.2
PERC AT 68"	PERC AT 62"	NO WATER ENC.	NO WATER ENC.
RATE = <2 MPI	RATE = <2 MPI		
NO WATER ENC.	NO WATER ENC.		



FD4X8-S FLOWDIFFUSOR

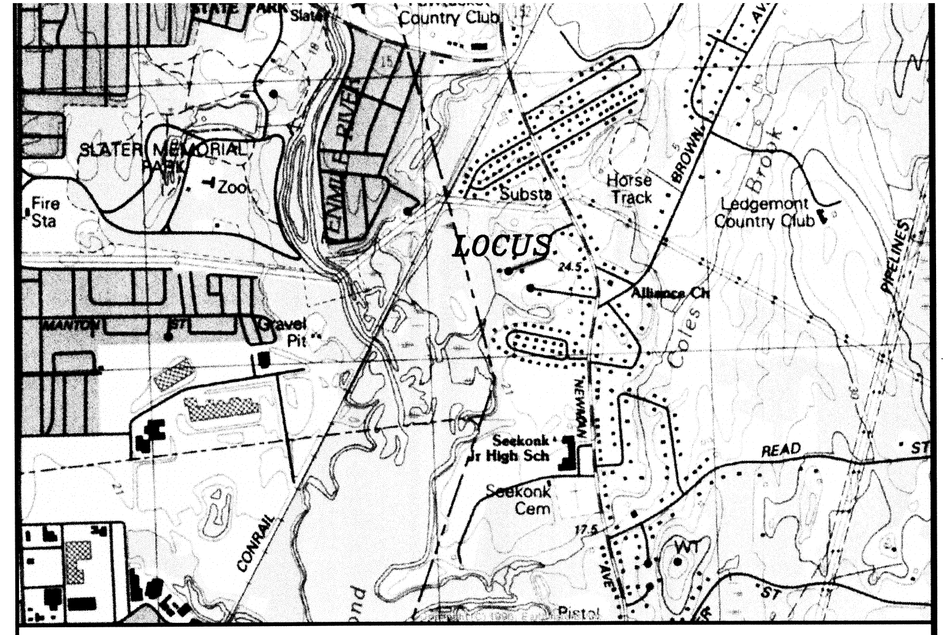
NOT TO SCALE





SEPTIC TANK

NOT TO SCALE



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'

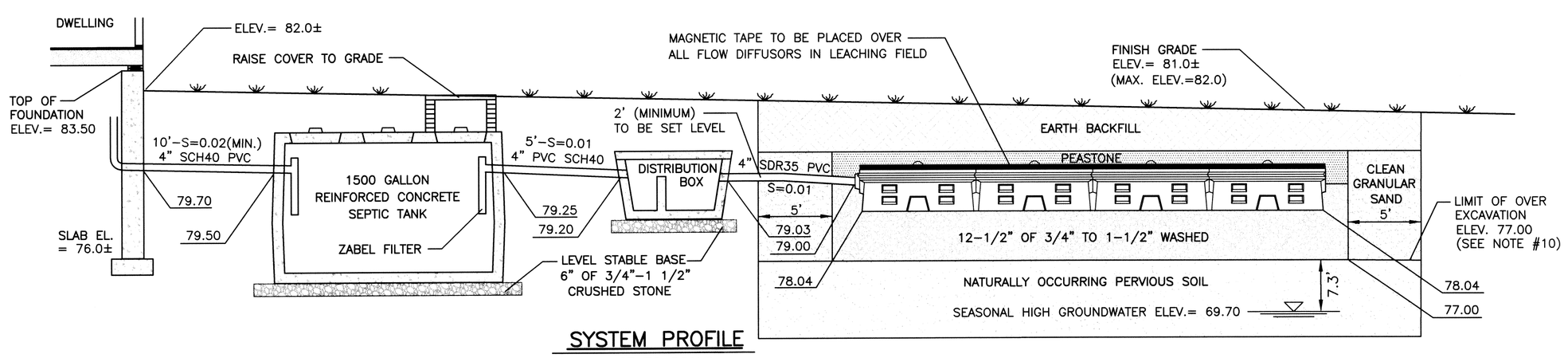
CONTRACTOR NOTES

1) CONTRACTOR SHALL NOTIFY DIG SAFE AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
2) 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 DEPICT ALL EXISTING UTILITIES.
3) CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER IMMEDIATELY IF FIELD CONDITIONS ARE FOUND TO DIFFER WITH THESE DRAWINGS.
4) THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION OF THE ABUTTING 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

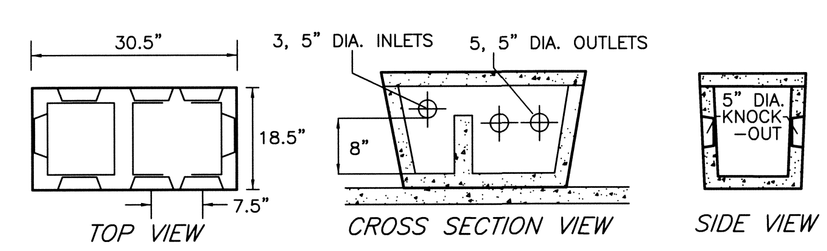
1) THIS SYSTEM SHALL BE INSPECTED IN ACCORDANCE WITH THE TOWN OF SEEKONK BOARD OF HEALTH REGULATIONS.
2) DOUBLE WASHED CRUSHED STONE SHALL BE FREE OF ALL DIRT, DUST AND FINES.
3) ALL ELEVATIONS ARE BASED ON SUBDIVISION DATUM.
4) HEAVY EQUIPMENT SHALL NOT BE ALLOWED TO OPERATE OVER THE LIMITS OF THE OF 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 A. ROTONDO & SONS 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 THE LEACHING AREA AND BACKFILL WITH CLEAN GRANULAR SAND AS REQUIRED BY TITLE V, MASSACHUSETTS ENVIRONMENTAL CODE.
11) THIS SYSTEM IS NOT DESIGNED FOR A GARBAGE DISPOSAL UNIT.

69-756



SYSTEM PROFILE

NOT TO SCALE



DISTRIBUTION BOX

NOT TO SCALE

P.E. STAMP

P.L.S. STAMP

APR 16 2013

SUBSURFACE SEWAGE DISPOSAL SYSTEM

CLIENT: STONE GATE BUILDERS, LLC

LOCATION: ASSESSORS MAP 25 LOT 324
7 TALL PINES LANE
SEEKONK, MASSACHUSETTS 02771

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

DATE: APRIL 4, 2013 | REVISED:

CONTACT PERSON: JEFFREY TALLMAN

ACAD NO. : 10_4697_STONE GATE_LOT 13_SSDS