

WETLANDS LINE

25' WETLAND BUFFER ZONE

50' WETLAND BUFFER ZONE

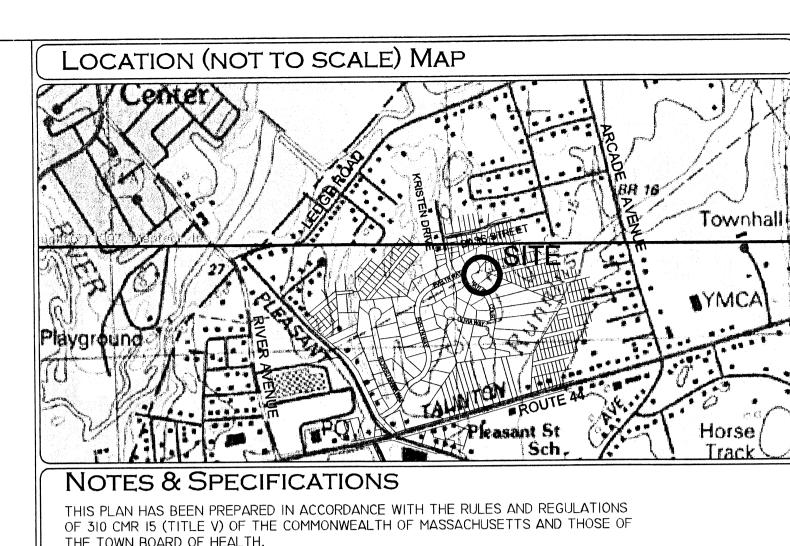
100' WETLAND BUFFER ZONE -

GRAPHIC SCALE

1 INCH = 20 FEET

	Value of the last	TEXTURE	SERVATION F	MOTTLING	OTHER	
0-10"			10 YR 3/2		-	
			10 YR 5/4		-	
22-120"	C	F5	2.5 Y 0/3	42" 7.5 YR 5/8 DATE: I-	2.07	
			ING, 42" WEEPING			
ESTIMATED HIGH GROUND WATER: 42" PERC. RATE @ 36" = < 2 MPI					BY: M. FARIA WITNESS: H. CHENEVER'	
PERC. RAT	E @ 36" = < 2	MPI		WILINESS	S; H. CHENEVER	
		DEEP OB	SERVATION H	HOLE 4B		
DEPTH	<u>HORIZON</u>	TEXTURE	<u>COLOR</u>	MOTTLING	OTHER	
0-10"	Д	SL	10 YR 3/2	-	-	
10-22"	В	LS	10 YR 5/4	-	-	
	С			38" 7.5 YR 5/8		
OBSERVED GROUND WATER: 42" STANDING, 38" WEEPING			DATE: I-	-2-07		
ESTIMATED HIGH GROUND WATER: 38"				BY: M. FARIA		
NO PERC. TEST PERFORMED				WITNESS: H. CHENEVER		
		DEED OR	SERVATION I	HOLF 4C		
DEPTH	HORIZON		COLOR		OTHER	
			10 YR 3/2			
			10 YR 5/4		_	
	_		0 5 1/ //7	70" 7 F VD F 10	-	
OBSERVED	GROUND WAT	ER: 40" STAND	ING. 32" WEEPING	DATE: I	-2-07	
OBSERVED GROUND WATER: 40" STANDING, 32" WEEPING ESTIMATED HIGH GROUND WATER: 32"				BY: M. F	BY: M. FARIA	
PERC. RATE @ 32" = < 2 MPI					S: H. CHENEVER	
		DEEDOB	SERVATION	HOLF 4D		
DEPTH	HORIZONI			MOTTLING	OTHER	
0-8"			10 YR 3/2		and the second s	
			10 YR 5/4		_	
		FS		32" 7.5 YR 5/8	-	
OBSERVED GROUND WATER: 40" STANDING, 32" WEEPING						
OBSERVED	SILOUIND WAT					
	D HIGH GROUN	ND WATER: 32"		BY: M. I	FARIA	

SOIL EVALUATION & PERC RESULTS



THE TOWN BOARD OF HEALTH.

THE REQUIRED INSPECTION SCHEDULE DURING THE PROCESS OF CONSTRUCTION SHALL BE ARRANGED BY THE CONTRACTOR WITH THE BOARD OF HEALTH & DESIGN ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

1500 GALLON SEPTIC TANK AND DISTRIBUTION BOX SHALL BE STANDARD DUTY DESIGN AS MANUFACTURED BY ROTONDO & SONS, INC. OR APPROVED EQUAL.

ALL PIPING SHALL BE 4" DIA. SCHD. 40 NSF PVC, WITH ALL JOINTS SEALED WATERTIGHT. ALL STONE SHALL BE DOUBLE WASHED AND FREE OF IRONS, CLAY OR FINES AND

THIS SYSTEM IS NOT DESIGNED TO ACCOMMODATE A GARBAGE DISPOSAL OR OTHER HIGH WATER USE UNITS.

THE PROPOSED SEPTIC SYSTEM IS NOT LOCATED WITHIN THE CONE OF INFLUENCE OF ANY MUNICIPAL WELL NOR ARE THERE ANY PRIVATE WELLS LOCATED WITHIN 100 FEET (RADIAL) OF THE PROPOSED SYSTEM.

EXCAVATE ALL TOP, SUB AND ANY OTHER SOILS ENCOUNTERED DOWN TO THE BOTTOM OF EXCAVATION (SEE CROSS SECTION) FOR A HORIZONTAL DISTANCE OF 5' ON ALL SIDES OF THE PROPOSED SYSTEM. BACK FILL TO TOP OF STONE ELEVATION WITH SELECT ON SITE OR IMPORTED SOIL MATERIAL CONSISTING OF CLEAN GRANULAR SAND, FREE OF ORGANIC MATTER OR OTHER DELETERIOUS SUBSTANCES AND MEETING THE SIEVE SIZE REQUIREMENTS OF 310 CMR 15.255(3) & (5) [CONSTRUCTION IN FILL].

ELEVATIONS SHOWN ON THIS PLAN ARE BASED ON NGVD 29.

SHALL BE SATISFACTORY TO THE TOWN BOARD OF HEALTH.

CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO THE CONTINUATION OF CONSTRUCTION.

WATER TABLE FLUCTUATES ANNUALLY, NO WARRANTEE OF A DRY BASEMENT IS EXPRESSED

THE PROPOSED WORK DOES NOT LIE IN A CRITICAL FLOOD HAZARD ZONE AS SHOWN ON F.I.R.M. PANEL 250063-0010-A.

THE LOT DOES NOT LIE IN AN OVERLAY DISTRICT FOR GROUNDWATER AQUIFER PROTECTION. THE CONTRACTOR IS TO VERIEY THE BENCHMARK WITH THE SURVEYOR PRIOR TO CONSTRUCTION. MAINTAIN 15' MINIMUM SEPARATION FROM WATER SERVICE TO PROPOSED SEPTIC COMPONENTS.

HOUSE DIMENSIONS, ELEVATION AND LOCATION ARE APPROXIMATE AND SUBJECT TO CHANGE, CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION.

THE LOT LIES IN A R-I ZONING DISTRICT.

FRONT YARD SETBACK: 35'
SIDE YARD SETBACK: 15' + 5'/STORY

REAR YARD SETBACK: 25'

REFERENCE: DEFINITIVE SUBDIVISION PLAN FOR FALL RIVER AVENUE DEVELOPMENT PARTNERS, LLC, "BANNA ESTATES" TAUNTON AVENUE/PLEASANT STREET, SEEKONK, MA. DATED; AUGUST 2, 2007, REVISED; MAY 27, 2008. BY INSITE ENGINEERING SERVICES, LLC.

TIE INTO PROPOSED CONTOURS AND ELEVATIONS AS SHOWN IN THE ABOVE REFERENCE.

I CERTIFY THAT THE PROPOSED WATER SERVICE SHOWN ON THIS PLAN IS IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE SEEKONK WATER DISTRICT. THE CONTRACTOR IS TO COORDINATE THE WATER SERVICE TIE IN WITH THE WATER AUTHORITY AND INSTALL THE WATER SERVICE WITH MAGNETIC MARKING TAPE ABOVE THE ENTIRE LENGTH OF THE WATER SERVICE.

WETLAND LINES ESTABLISHED AND APPROVED UNDER THE ORDER OF RESOURCE AREA DELINEATION SE 69-613 FILLED AS DEED BOOK 1700 PAGE 87.

REFERENCE: (APPROVED) SEPTIC SYSTEM DESIGN PLAN, DATE SEPTEMBER 25, 2009

DESIGN CALCULATIONS

AVERAGE DAILY SEWAGE FLOW (GALLONS PER DAY) 3 BEDROOM DWELLING @ 110 GPD PER BEDROOM = 330 GPD SEPTIC TANK SIZING (GALLONS)

200% AVERAGE DAILY FLOW = 2 (330) = 660 GALLONS 3 BEDROOM HOME REQUIRES 1500 GALLON TANK (MINIMUM).

DESIGN SOIL TYPE AND PERCOLATION RATE

SOIL CLASS I (SAND)

PERC RATE IN 4A & 4C WAS < 2 MPI

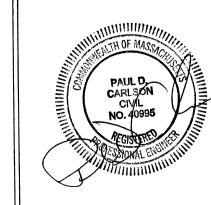
DESIGN FOR 5 MPI PER TITLE V

LEACHING AREA

REQUIRED AREA = 330 GPD / 0.74 GPD / SF = 446 SF MINIMUM

LEACHING FIELD BED: 20' x 23' = 460 SF RESERVE AREA: 7' x 64' = 448 SF

SEPTIC SYSTEM DESIGN PLAN SE 69-665

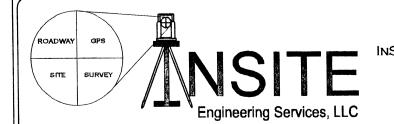


"BANNA ESTATES" (RECORD LOT 43) #29 EVELYN WAY, SEEKONK, MA 02771

AP 20 LOT 652 Applicant: PETRA BUILDING CORP.

STEVEN NAJAS 111 MILES AVENUE, EAST PROVIDENCE, RI 02914

NDesigned By 1"¤20' MSF (SEPTEMBER 25, 2009) 06-050-43 Revised: OCTOBER 4, 2010 (ADJUSTED SITE DESIGN TO ORIGINAL SUBDIVISION LOT LINES AND AS-BUILT HOUSE FOUNDATION.)



PROFESSIONAL ENGINEERS AND LAND SURVEYORS INSITE PROFESSIONAL COMPLEX, SUITE 1 1539 FALL RIVER AVENUE SEEKONK, MA 02771 PHONE: (508) 336-4500 Fax: (508) 336-4558

OF 1

SHEET