

1. HAY BALES ARE TO BE PLACED WITHIN A 6" MINIMUM TRENCH PRIOR TO CONSTRUCTION.

SOIL TEST PIT

ORIGINAL CONTOUR

PROPOSED CONTOUR

WETLANDS LINE

PROPOSED SPOT ELEVATION

25' WETLAND BUFFER ZONE

50' WETLAND BUFFER ZONE

100' WETLAND BUFFER ZONE

COLOR LEGEND

× 100

2. THOROUGHLY COMPACT EXCAVATED SOILS BACK INTO THE TRENCH AFTER INSTALLATION OF EROSION CONTROL DEVICES. 3. BALE STRING SHALL BE LAID PARALLEL TO THE GROUND

4. EACH BALE TO BE SECURELY STAKED INTO THE GROUND WITH (2) 1"x1"x3' OAK BEAN POLE. 5. CONTRACTOR IS RESPONSIBLE TO MAINTAIN INTEGRITY OF HAY BALE LINE FOR DURATION OF CONSTRUCTION. 6. EROSION CONTROLS TO REMAIN UNTIL SOIL CONDITIONS

7. LOOSE HAY TO BE SPREAD ON AREAS OF EXPOSED LOAM & SEED UNTIL GERMINATION AND STABILATION OCCURS.

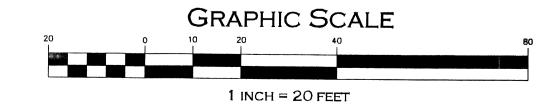
> HAY BALE DETAIL (NOT TO SCALE)

LEACHING AREA CALCULATION:

PERC RATE IN 3IB WAS < 2 MPI PERC RATE IN 3ID WAS < 2 MPI DESIGN FOR 5 MPI PER TITLE V

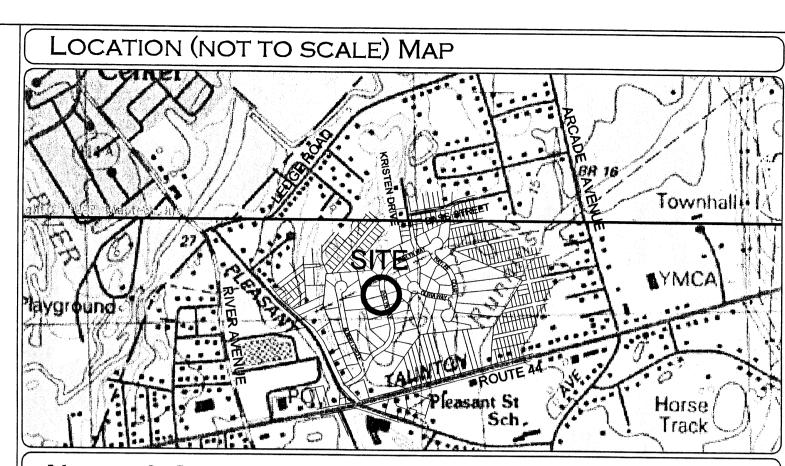
REQUIRED MINIMUM LEACHING AREA: REQUIRED AREA = 330 GPD / 0.74 GPD / SF = 446 SF MINIMUM LEACHING FIELD BED: 10' x 45' = 450 SF RESERVE AREA: 10' x 45' = 450 SF

SOIL CLASS I (SAND)



			ERVATION I	HOLE 31A		
<u>DEPTH</u>	HORIZON			MOTTLING	OTHER	
0-8"	Α		10 YR 3/2	-	-	
8-14"	В		10 YR 5/4	-	-	
14-72"	С	S	2.5 Y 6/3	48" 7.5 YR 5/8	-	
72" REFU.						
ESTIMATED	BROUND WATE HIGH GROUND EST PERFORME	WATER: 48"	IG, 72" WEEPING	DATE: 1-1 BY: M. FA	0-07 ARIA : H. CHENEVERT	
		DEEP OBS	ERVATION H			
DEPTH		TEXTURE	COLOR		OTLIED	
0-8"	A	······································	10 YR 3/2	MOTTLING	<u>OTHER</u>	
8-22"			10 YR 5/4	-	-	
22-72"	B C	S		- 50" 7.5 YR 5/8	-	
72" REFU.	C	3	2.5 1 6/4	50° 7.5 YR 5/8	-	
	ROUND WATER	R. NO STANDIN	G NO WEEPING	DATE. LU	0.07	
OBSERVED GROUND WATER: NO STANDING, NO WEEPING ESTIMATED HIGH GROUND WATER: 50"					BY: M. FARIA	
PERC. RATE @ 40" = < 2 MPI						
LING. NATE					: H. CHENEVERT	
			ERVATION H	HOLE 31C		
<u>DEPTH</u>		<u>TEXTURE</u>	<u>COLOR</u>	MOTTLING	<u>OTHER</u>	
0-6"	Α	SL	10 YR 3/2	-	-	
6-18"			10 YR 5/4	-	_	
18-72" 72"REFU.	С	S	2.5 Y 6/3	54" 7.5 YR 5/8	-	
OBSERVED G	ROUND WATER	R: NO STANDING	G, NO WEEPING	DATE: I-IO	0-07	
ESTIMATED HIGH GROUND WATER: 54"					BY: M. FARIA	
NO PERC. TEST PERFORMED				WITNESS: H. CHENEVERT		
					OF ICINE VEIVI	
SEDTU			ERVATION F			
<u>DEPTH</u>	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER	
0-6"	A	SL	10 YR 3/2	-	-	
6-18"	В	LS	10 YR 5/4	-	-	
8-72" 72"REFU.	С	S	2.5 Y 6/3	58" 7.5 YR 5/8	-	
OBSERVED G	ROUND WATER	: NO STANDING	G, NO WEEPING	DATE: I-IO	)-07	
	HIGH GROUND			BY: M. FA		
PERC. RATE @ 32" = < 2 MPI					WITNESS: H. CHENEVERT	
. —				WITHLSS:	II. CIILINE VERT	

SOIL EVALUATION & PERC RESULTS



## NOTES & SPECIFICATIONS

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF 310 CMR IS (TITLE V) OF THE COMMONWEALTH OF MASSACHUSETTS AND THOSE OF 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 FAST SYSTEM 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) AND 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.

THE LOT DOES NOT LIE IN AN OVERLAY DISTRICT FOR GROUNDWATER AQUIFER PROTECTION. THE SITE IS UNDER CONSTRUCTION, DUE TO THE POSSIBILITY OF THE DENIGUMARY

CHANGING DURING CONSTRUCTION, THE CONTRACTOR IS TO VERIFY 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: SIDE YARD SETBACK: 15' + 5'/STORY

REAR YARD SETBACK:

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.

AND "NOTICE OF INTENT PLAN OF BANNA ESTATES" REVISED: MAY 12, 2008. 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. REFER TO CONSERVATION FILINGS FOR WORK WITHIN WETLAND BUFFER.

OWNER OF RECORD: FALL RIVER AVENUE DEVELOPMENT PARTNERS, LLC C/O STEVEN NAJAS III MILES AVENUE

EAST PROVIDENCE, RI 02914 WETLAND LINES ESTABLISHED AND APPROVED UNDER THE ORDER OF RESOURCE AREA DELINEATION SE 69-613.

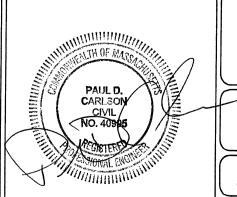
THE SPLIT RAIL FENCE WILL SERVE AS THE LIMIT OF LAWN AND FUTURE YARD ACTIVITIES AND SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION. PROPOSED SEPTIC TANK TO BE INSTALLED IS A MICROFAST 0.5 DENITRIFICATION SYSTEM BY

BIO-MICROBICS INC. THE 25-FOOT BUFFER ZONE DELINEATES THE LIMITS OF DISTURBANCE AND ALL FUTURE ACTIVITIES

THE 50-FOOT WETLAND BUFFER DELINEATES THE LIMITS OF ALL STRUCTURES AS STATED WITHIN THE TOWN OF SEEKONK CONSERVATION COMMISSION REGULATIONS AMENDED MARCH, 2003 ALL DEWATERING, DRAINING OF POOL MUST BE DISCHARGED OUTSIDE THE 100-FOOT BUFFER ZONE.

Revised:

## 5869-657 SEPTIC SYSTEM DESIGN PLAN AND NOTICE OF INTENT PLAN



## "BANNA ESTATES" #16 EVELYN WAY, SEEKONK, MA. 02771

AP 20 LOT 614 (SUBDIVISION LOT 5) Applicant: PETRA BUILDING CORP.

STEVEN NAJAS 111 MILES AVENUE, EAST PROVIDENCE, RI 02914 Scale: 06-050-5 1"=20 JUNE 18, 2009

PROFESSIONAL SEAL



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

May 10, 2010 Added Retaining Wall

SHEET OF 1

CONSERVATION SEEKONK

OFOS O I YAM