



SOIL EVALUATION & PERC RESULTS

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
Deep Observation Hole 38A					
0-10"	Ao	SL	10 YR 3/2	-	ORGANIC
10-24"	B	LS	10 YR 5/6	-	-
24-120"	C	F-MS	2.5 Y 6/3&2	36" 7.5 YR 5/8	STRATIFIED
OBSERVED GROUND WATER: 48" STANDING, 46" WEEPING ESTIMATED HIGH GROUND WATER: 36" NO PERC. TEST PERFORMED					
Deep Observation Hole 38B					
0-12"	Ao	SL	10 YR 3/2	-	ORGANIC
12-24"	B	LS	10 YR 5/6	24"	7.5 YR 5/8
24-120"	C	F-MS	2.5 Y 6/3&2	-	STRATIFIED
OBSERVED GROUND WATER: 36" STANDING, 34" WEEPING ESTIMATED HIGH GROUND WATER: 24" PERC. RATE @ 36" = 3 MPI					
Deep Observation Hole 38C					
0-8"	Ao	SL	10 YR 3/2	-	ORGANIC
8-24"	B	LS	10 YR 5/6	-	-
24-120"	C	F-MS	2.5 Y 6/3&2	40"	7.5 YR 5/8
OBSERVED GROUND WATER: 60" STANDING, 56" WEEPING ESTIMATED HIGH GROUND WATER: 40" PERC. RATE @ 46" = < 2 MPI					
Deep Observation Hole 38D					
0-8"	Ao	SL	10 YR 3/2	-	ORGANIC
8-24"	B	LS	10 YR 5/6	-	-
24-120"	C	F-MS	2.5 Y 6/3&2	40"	7.5 YR 5/8
OBSERVED GROUND WATER: 60" STANDING, 56" WEEPING ESTIMATED HIGH GROUND WATER: 40" NO PERC. TEST PERFORMED					

NOTES & SPECIFICATIONS

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF 310 CMR 15 (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 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 SHALL BE SATISFACTORY TO THE TOWN BOARD OF HEALTH.

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 ELEV = 47.5 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.

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

WATER TABLE FLUCTUATES ANNUALLY, NO WARRANTY OF A DRY BASEMENT IS EXPRESSED OR IMPLIED.

THE PROPOSED WORK DOES NOT LIE IN A CRITICAL FLOOD HAZARD ZONE. (SEE 250063-0010-A) THE LOT DOES NOT LIE IN AN OVERLAY DISTRICT FOR GROUNDWATER AQUIFER PROTECTION.

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 AN R-1 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" TALUNTON 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
111 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.

NO CONSTRUCTION TO OCCUR WITHIN CONSERVATION RESTRICTIONS AREA. REFERENCE: CONSERVATION RESTRICTION PLAN, DATED NOV. 11, 2008.

Received
JAN 12 2008
Con. Comm.

69-646

SEPTIC SYSTEM DESIGN PLAN AND NOTICE OF INTENT PLAN (LOT 38)

"BANNA ESTATES"
HAYLEE COURT, SEEKONK, MA. 02771
RECORD LOT 38 (PART OF AP 20 LOTS 470/605 AP 19 LOT 539)

Applicant: MERIDIAN CUSTOM HOMES
1 RICHMOND SQUARE, SUITE 117C, PROVIDENCE, RI 02906

Job # 06-050-38 Scale: 1"=20' & 40' Drawn By: MSF Date: Oct. 29, 2008
Revised: JAN. 9, 2009

PROFESSIONAL SEAL
PAUL D. CARLSON
NO. 40999
REG. PROFESSIONAL ENGINEER
STATE OF MASSACHUSETTS

PROFESSIONAL ENGINEERS AND LAND SURVEYORS
INSITE PROFESSIONAL COMPLEX, SUITE 1
15309 FALL RIVER AVENUE
SEEKONK, MA 02771
PHONE: (508) 336-4500
FAX: (508) 336-4588

INSITE
Engineering Services, LLC

SHEET 1 OF 1

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