

SOIL EVALUATION & PERC RESULTS

DEEP OBSERVATION HOLE 11A

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
0-12"	A	SL	10 YR 3/2	-	-
12-24"	B	LS	10 YR 5/4	-	-
24-120"	C	S	2.5 Y 6/4	44 7.5 YR 5/8	-

OBSERVED GROUND WATER: 44" STANDING, 44" WEEPING DATE: 1-9-07
 ESTIMATED HIGH GROUND WATER: 44" BY: M. FARIA
 PERC. RATE @ 40" = 2 MPI WITNESS: J.R.

DEEP OBSERVATION HOLE 11B

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
0-12"	A	SL	10 YR 3/2	-	-
12-24"	B	LS	10 YR 5/4	-	-
24-120"	C	S	2.5 Y 6/4	44 7.5 YR 5/8	-

OBSERVED GROUND WATER: 44" STANDING, 44" WEEPING DATE: 1-9-07
 ESTIMATED HIGH GROUND WATER: 44" BY: M. FARIA
 NO PERC. TEST PERFORMED WITNESS: J.R.

DEEP OBSERVATION HOLE 11C

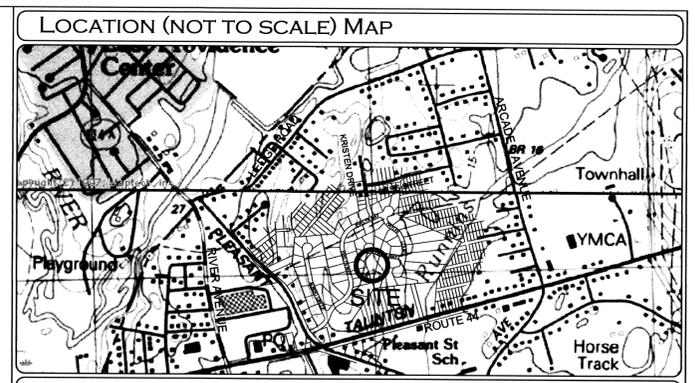
DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
0-12"	A	SL	10 YR 3/2	-	-
12-24"	B	LS	10 YR 5/4	-	-
24-120"	C	S	2.5 Y 6/4	44 7.5 YR 5/8	-

OBSERVED GROUND WATER: 44" STANDING, 44" WEEPING DATE: 1-9-07
 ESTIMATED HIGH GROUND WATER: 44" BY: M. FARIA
 PERC. RATE @ 40" = < 2 MPI WITNESS: J.R.

DEEP OBSERVATION HOLE 11D

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
0-12"	A	SL	10 YR 3/2	-	-
12-24"	B	LS	10 YR 5/4	-	-
24-120"	C	S	2.5 Y 6/4	44 7.5 YR 5/8	-

OBSERVED GROUND WATER: 44" STANDING, 44" WEEPING DATE: 1-9-07
 ESTIMATED HIGH GROUND WATER: 44" BY: M. FARIA
 NO PERC. TEST PERFORMED WITNESS: J.R.



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 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 WATER TIGHT.

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 (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.

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.

THE LOT DOES NOT LIE IN AN OVERLAY DISTRICT FOR GROUNDWATER AQUIFER PROTECTION

THE SITE IS UNDER CONSTRUCTION, DUE TO THE POSSIBILITY OF THE GROUNDWATER STONE SHIFTING DURING CONSTRUCTION, THE CONTRACTOR IS TO VERIFY THE BENCHMARK WITH THE SURVEYOR PRIOR TO 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.

THE LOT DOES NOT LIE IN AN OVERLAY DISTRICT FOR GROUNDWATER AQUIFER PROTECTION

THE SITE IS UNDER CONSTRUCTION, DUE TO THE POSSIBILITY OF THE GROUNDWATER STONE SHIFTING 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-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" TAUNTON AVENUE/PLEASANT STREET, SEEKONK, MA, DATED, AUGUST 2, 2007, REVISED, MAY 27, 2008, BY IN-SITE 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.

SEPTIC SYSTEM DESIGN PLAN AND NOTICE OF INTENT PLAN

"BANNA ESTATES"

#6 OLIVIA WAY, SEEKONK, MA 02771
 AP 20 LOT 640 (SUBDIVISION LOT 31)

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

Job #: 06-050-31 Scale: 1"=20' Design By: MSF Date: MARCH 31, 2009

Revised:

PROFESSIONAL SEAL

PAUL D. CARLSON
 CIVIL ENGINEER
 NO. 46365

Received
 MAR 31 2009
 SE 69-653 Con. Comm.

INSITE Engineering Services, LLC

PROFESSIONAL ENGINEERS AND LAND SURVEYORS
 INSITE PROFESSIONAL COMPLEX, SUITE 1
 1530 FALL RIVER AVENUE
 SEEKONK, MA 02771
 PHONE: (508) 336-4500
 FAX: (508) 336-4558

SHEET 1 OF 1

L:\06-050 Taunton Ave - Pleasant Street\CADD\06-050 SEPTIC 9-17-08.dwg 3/31/2009 12:47:59 PM EDT