

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. SCH. 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 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(5) & (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 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 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" TALNONT 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.

THE SPLIT RAIL FENCE WILL SERVE AS THE LIMIT OF LAWN AND FUTURE YARD ACTIVITIES AND SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION.

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

DEEP OBSERVATION HOLE 46A

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
0-12"	A	SL	10 YR 3/2	-	-
12-22"	B	LS	10 YR 5/4	-	-
22-120"	C	S	2.5 Y 6/4	42" 7.5 YR 5/8	-

OBSERVED GROUND WATER: 52" STANDING, NO WEEPING
ESTIMATED HIGH GROUND WATER: 42"
PERC. RATE @ 38" = < 2 MPI

DATE: 1-4-07
BY: M. FARIA
WITNESS: J.R.

DEEP OBSERVATION HOLE 46B

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
0-12"	A	SL	10 YR 3/2	-	-
12-22"	B	LS	10 YR 5/4	-	-
22-120"	C	S	2.5 Y 6/4	42" 7.5 YR 5/8	-

OBSERVED GROUND WATER: 54" STANDING, NO WEEPING
ESTIMATED HIGH GROUND WATER: 42"
NO PERC. TEST PERFORMED

DATE: 1-4-07
BY: M. FARIA
WITNESS: J.R.

DEEP OBSERVATION HOLE 46C

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	42" 7.5 YR 5/8	-

OBSERVED GROUND WATER: 48" STANDING, NO WEEPING
ESTIMATED HIGH GROUND WATER: 42"
PERC. RATE @ 32" = < 2 MPI

DATE: 1-4-07
BY: M. FARIA
WITNESS: J.R.

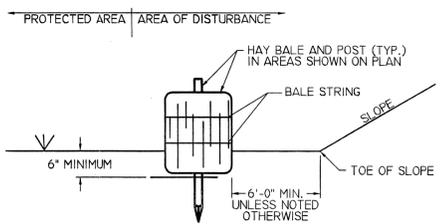
DEEP OBSERVATION HOLE 13D

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
0-10"	A	SL	10 YR 3/2	-	-
10-18"	B	LS	10 YR 5/4	-	-
18-120"	C	S	2.5 Y 6/4	38" 7.5 YR 5/8	-

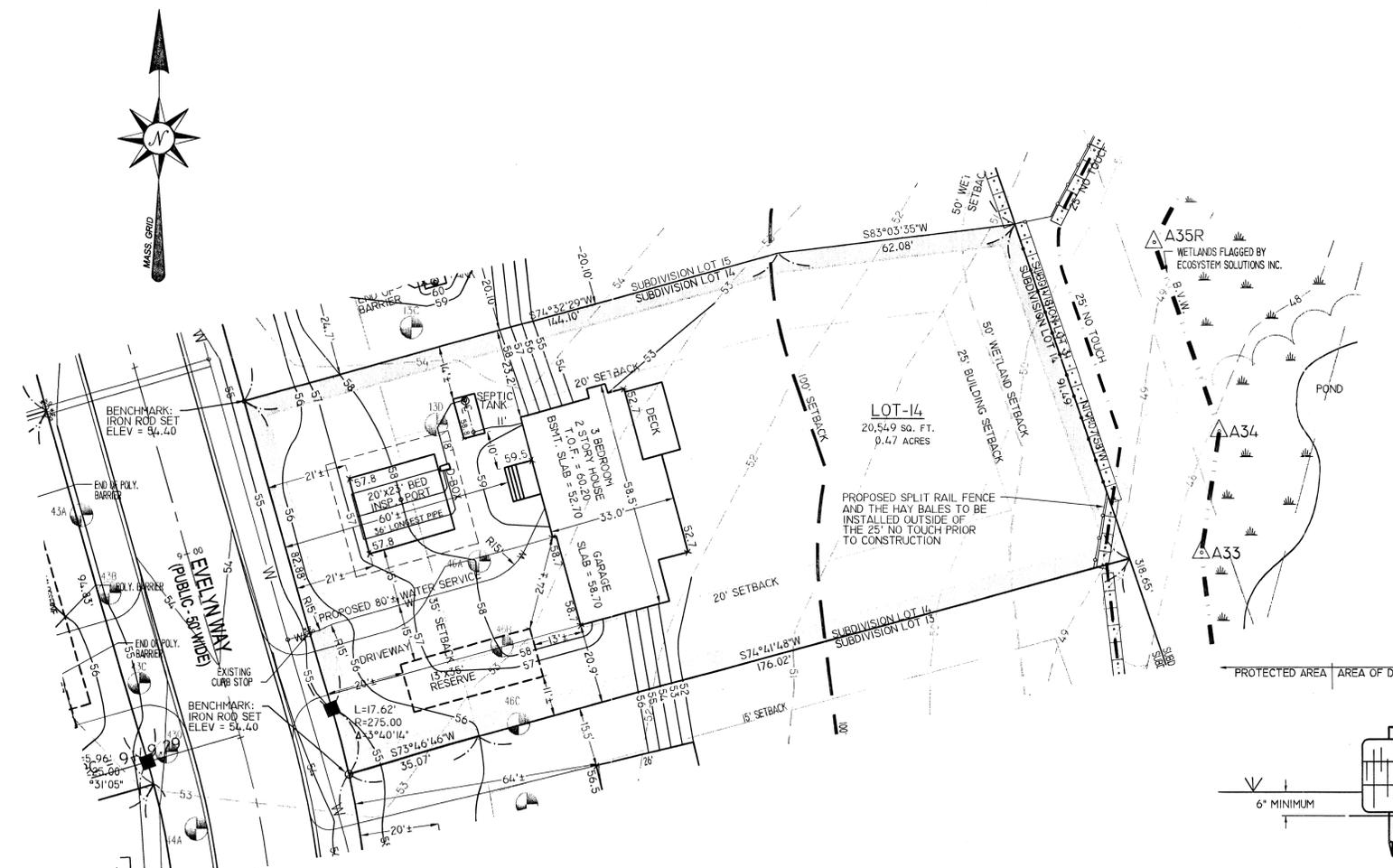
OBSERVED GROUND WATER: NO STANDING, NO WEEPING
ESTIMATED HIGH GROUND WATER: 38"
NO PERC. TEST PERFORMED

DATE: 1-04-07
BY: M. FARIA
WITNESS: J.R.

SOIL EVALUATION & PERC RESULTS



- NOTES:**
- HAY BALES ARE TO BE PLACED WITHIN A 6" MINIMUM TRENCH PRIOR TO CONSTRUCTION.
 - THOROUGHLY COMPACT EXCAVATED SOILS BACK INTO THE TRENCH AFTER INSTALLATION OF EROSION CONTROL DEVICES.
 - BALE STRING SHALL BE LAID PARALLEL TO THE GROUND SURFACE.
 - EACH BALE TO BE SECURELY STAKED INTO THE GROUND WITH (2) 1"x1"x3" OAK BEAN POLE.
 - CONTRACTOR IS RESPONSIBLE TO MAINTAIN INTEGRITY OF HAY BALE LINE FOR DURATION OF CONSTRUCTION.
 - EROSION CONTROLS TO REMAIN UNTIL SOIL CONDITIONS STABILIZE.
 - LOOSE HAY TO BE SPREAD ON AREAS OF EXPOSED LOAM & SEED UNTIL GERMINATION AND STABILIZATION OCCURS.



LEGEND

SOIL TEST PIT
EXISTING CONTOUR
PROPOSED CONTOUR
PROPOSED SPOT ELEVATION

COLOR LEGEND

WETLANDS LINE
25' WETLAND BUFFER ZONE
50' WETLAND BUFFER ZONE
100' WETLAND BUFFER ZONE

GRAPHIC SCALE
1 INCH = 20 FEET

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 46A & 46C 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: 20' x 23' = 460 SF
RESERVE AREA: 13' x 35' = 455 SF

SEPTIC SYSTEM DESIGN & NOI PLAN

"BANNA ESTATES" (RECORD LOT 14)
#13 EVELYN WAY, SEEKONK, MA 02771
AP 20 LOT 623

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

JOB # 06-050-14 SCALE: 1"=20' DESIGNED BY: MSF DATE: JUNE 7, 2010
REVISED: JUNE 22, 2010

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