

EXISTING OWTS:
 REFERENCE RIDEM PERMIT # 0432-2764
 THE LOCATION OF EXISTING OWTS COMPONENTS ARE APPROXIMATE. THE EXISTING OWTS IS TO BE ABANDONED. THE SEPTIC TANK SHALL BE PUMPED DRY AND EITHER FILLED WITH CLEAN MATERIAL OR REMOVED OFF SITE. IF ANY UNSUITABLE MATERIAL FROM THE EXISTING OWTS IS ENCOUNTERED DURING CONSTRUCTION IT IS TO BE REMOVED FROM THE SITE AND DISPOSED OF BOTH PROPERLY AND LEGALLY. ALTERNATIVELY, MATERIAL ENCOUNTERED WHICH IS SUITABLE FOR FILL SHALL BE PERMITTED TO BE BURIED ON-SITE PROVIDED SUCH SUITABLE AREA EXISTS ON-SITE. IF MATERIAL IS REQUIRED TO BE DISPOSED OF AT A LICENSED SOLID WASTE FACILITY, COPIES OF ALL TIPPING SLIPS SHALL BE PROVIDED TO THE ENGINEER FOR REVIEW. ANY ADDITIONAL QUANTITIES OF FILL MATERIAL THAT IS REQUIRED TO BE BROUGHT ON-SITE SHALL BE VERIFIED FOR QUANTITIES BY THE ENGINEER.

EROSION CONTROL:
 PRIOR TO CONSTRUCTION SILT FENCING SHALL BE INSTALLED ALONG THE EXISTING EDGE OF BRUSH LIMITS. SEE DETAIL ON SHEET 2.

SQUARE FOOTAGE CALCULATIONS:

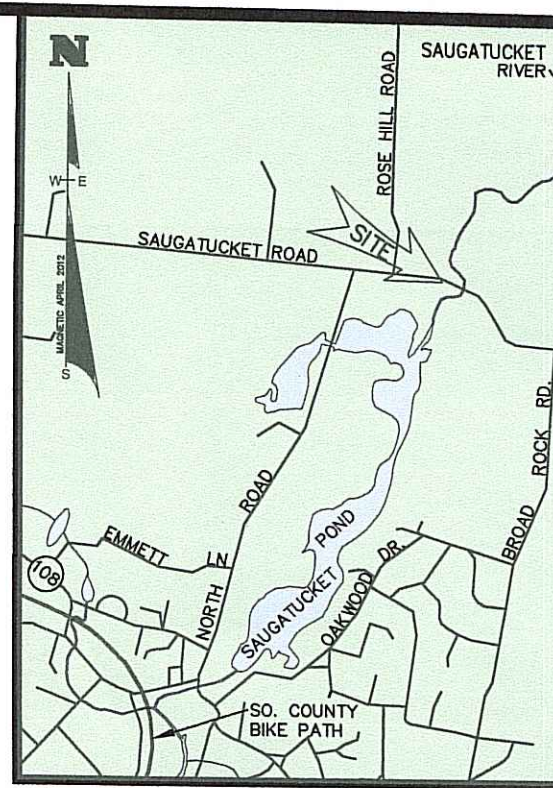
- EXISTING BUILDING FOOTPRINT AREA: 798 SF.
- PROPOSED BUILDING AREA: 840 SF
- PROPOSED ROOFED PORCH (2): 312 SF
- PROPOSED DECK & STAIR AREA: 221 SF
- PROPOSED TOTAL AREA: 1,373 SF
- NET INCREASE IN SQUARE FOOTAGE: 575 SF.
- NET INCREASE IN IMPERVIOUS SURFACE: 354 SF.

GENERAL:
 THE CONTRACTOR IS REQUIRED TO MAINTAIN THE CONSTRUCTION AREA IN A SAFE MANNER AND ALL CONSTRUCTION ACTIVITY ON THE SITE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
 SYSTEM SHALL BE INSTALLED AS PER THE CURRENT RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ON-SITE WASTEWATER TREATMENT SYSTEMS...
 GARBAGE DISPOSALS ARE NOT ALLOWED.
 D.E.M. REQUIRES THE REMOVAL OF ALL TREES AND BRUSH WITHIN 10 FEET OF THE PROPOSED LEACH FIELD. NO VEHICULAR TRAFFIC IS PERMITTED OVER THE PROPOSED LEACH FIELD.
 NO DRAINS, INCLUDING FOUNDATION DRAINS, SHALL BE WITHIN 25' OF THE PROPOSED LEACH FIELD.
 UNLESS SHOWN THERE ARE NO KNOWN DRAINS WITHIN 200' OF THE PROPOSED LEACH FIELD.
 THIS SITE IS NOT LOCATED IN A CRITICAL RESOURCE AREA S.D. 19.00.
 THERE ARE NO COASTAL POND SHORELINE FEATURES AND TRIBUTARIES INCLUDING STORM AND SUBSURFACE DRAINS DIRECTLY DISCHARGING THEREIN WITHIN 200' OF THE PROPOSED O.W.T.S.
 THERE IS NOT A SHORELINE WITHIN 200' OF THE PROPOSED O.W.T.S.
 THERE IS A WETLAND WITHIN 200' OF THE PROPOSED O.W.T.S.
 THE SUBJECT PROPERTY DEPICTED HEREON APPEARS WITHIN ZONE A, HAVING A BASE FLOOD ELEVATION 31'. ZONE X; AREAS OF 0.2% ANNUAL CHANCE FLOOD, AND ZONE X; AREAS OUTSIDE 0.2% ANNUAL CHANCE FLOOD, REFERENCE FEMA FLOOD INSURANCE RATE MAP 44069C0203H, DATED OCTOBER 19, 2010.

STRUCTURE:
 THE EXISTING 1-BEDROOM DWELLING IS TO BE RAZED. A NEW 1-BEDROOM DWELLING IS TO BE CONSTRUCTED, AS SHOWN. THE EXISTING DWELLING FOOTPRINT AREA = 798 SF. THE PROPOSED DWELLING FOOTPRINT AREA = 1,009 SF.

WATER SUPPLY:
 ALL WATER SUPPLY LINES SHALL NOT COME WITHIN 25' OF THE PROPOSED LEACH FIELD AND 10' OF THE PROPOSED SEPTIC TANK.
 UNLESS SHOWN THERE ARE NO KNOWN EXISTING OR PROPOSED WELLS WITHIN 200 FEET OF THE PROPOSED LEACH FIELD. THERE ARE NO KNOWN EXISTING OR PROPOSED PUBLIC WELLS WITHIN 500' OF THE PROPOSED LEACH FIELD.

UTILITIES:
 THE LOCATION OF EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE ONLY AND HAVE BEEN SHOWN USING THE BEST AVAILABLE DATA.
 THE CONTRACTOR SHALL CONTACT "DIG-SAFE" AND/OR OTHER APPROPRIATE UTILITY COMPANIES TO ASCERTAIN THE EXACT LOCATION OF THE RESPECTIVE UTILITY PRIOR TO CONSTRUCTION.
 UTILITIES INCLUDE BUT ARE NOT LIMITED TO GAS, ELECTRIC, WATER, TELEPHONE CABLE, ETC.



LOCATION PLAN
 SCALE: 1" = 2000'

SITE INFORMATION

LOT: 11
 A.M.: 41-1
 AREA: 28,981± SF
 ZONING DISTRICT: R-40

REQUIRED SETBACKS:
 FRONT: 25 FEET
 REAR: 30 FEET
 SIDE: 20 FEET

LEGEND

- PROPERTY LINE
- UTILITY POLE
- 102 PROPOSED CONTOUR
- 97.5 PROPOSED SPOT GRADE
- 102 EXISTING CONTOUR
- ***** SILT FENCE / LIMIT OF DISTURBANCE
- W — W — EXISTING WATER LINE
- ⊕ EXISTING TEST HOLE WITH PIPE
- ⊖ WATER SHUT OFF VALVE
- ⊕ WATER MAIN VALVE
- EXISTING EDGE OF BRUSH

GRAPHICAL SCALE: 1" = 20'

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUN 07 2012 FILE # 12-0088
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
 Charles A. Hester

NOTE:
 THE SAUGATUCKET RIVER IS A RIVER GREATER THAN 10' IN OVERALL WIDTH. THE EDGE OF THE RIVER WAS SURVEYED ON APRIL 2, 2012, AS NOTED. THE 200' RIVERBANK WETLAND ENCOMPASSES THE ENTIRE LOT.

WETLAND NOTE:
 THE SUBJECT PROPERTY WAS FLAGGED BY APPLIED BIOSYSTEMS, INC. ON APRIL 2012. FLAG SERIES ABS 100 - ABS 110.

NOTE:
 "YELLOW" HATCH DENOTES LIMITS OF THE 500-YEAR FLOOD PLAIN

NOTE:
 EXISTING WELL TO BE ABANDONED AS PER WELL DRILLING REGULATIONS

NOTE:
 EXISTING 1-BEDROOM DWELLING TO BE MOVED

NOTE:
 EXISTING SHED (10' x 8.5') TO REMAIN

NOTE:
 EXISTING OLD GARAGE FOUNDATION TO REMAIN

NOTE:
 EX. CURB-STOP (STUBBED, DOES NOT GO TO DWELLING)

NOTE:
 EX. GUARD RAIL (TYP.)

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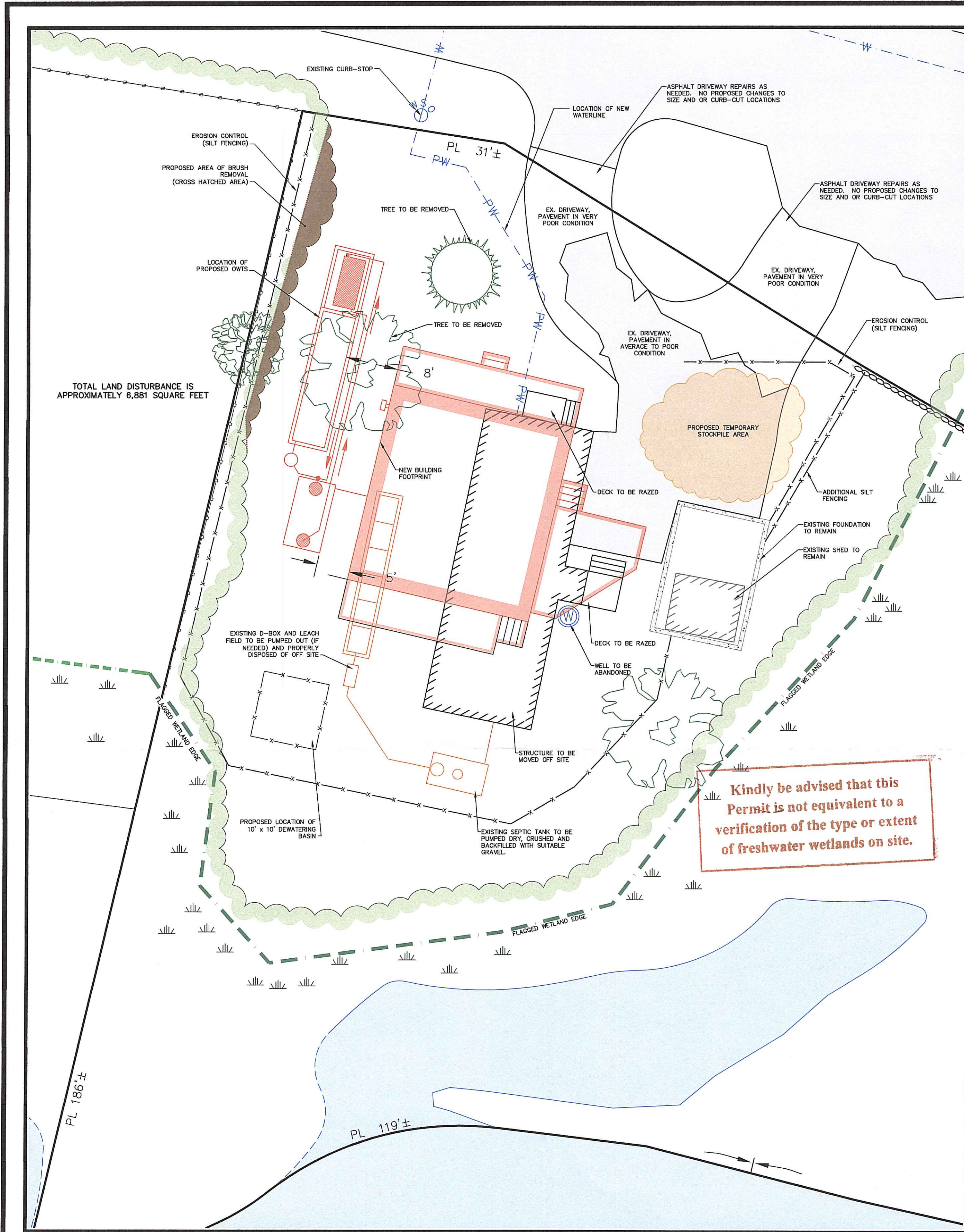
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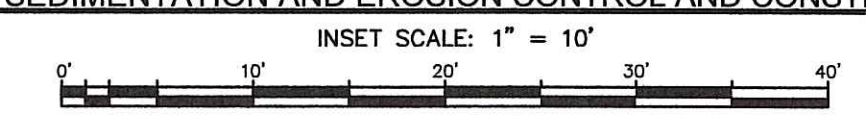
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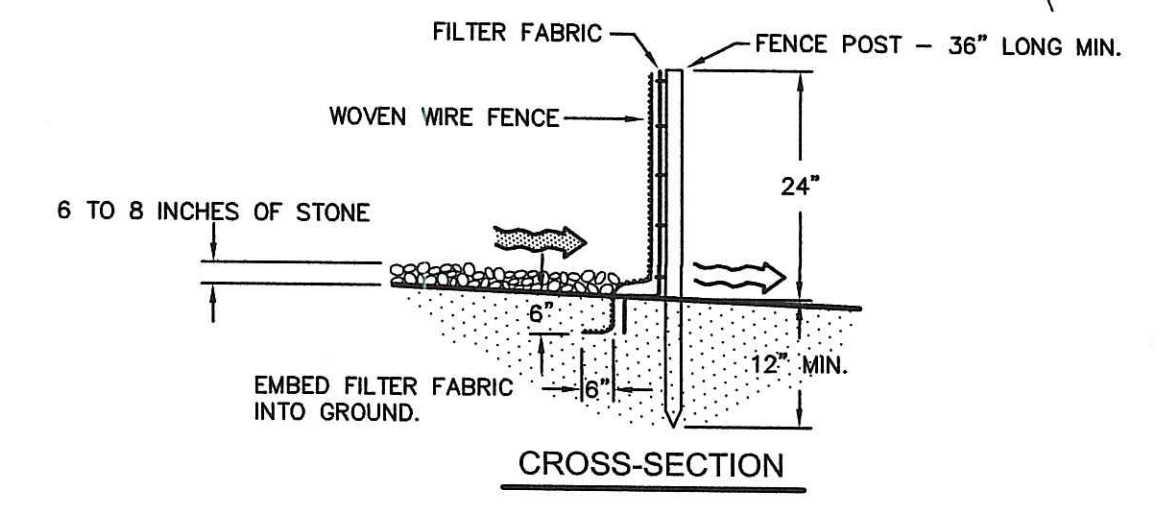
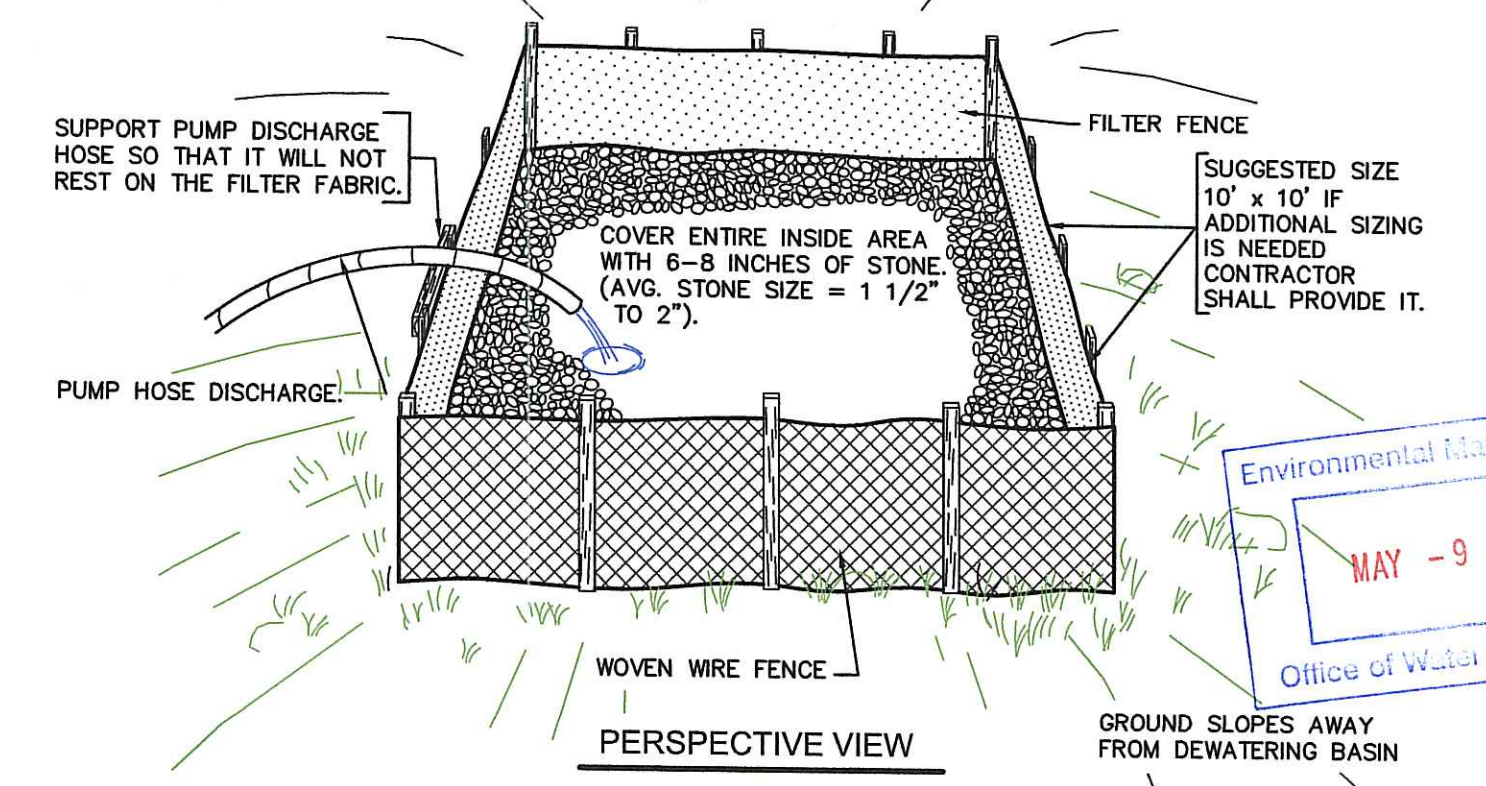
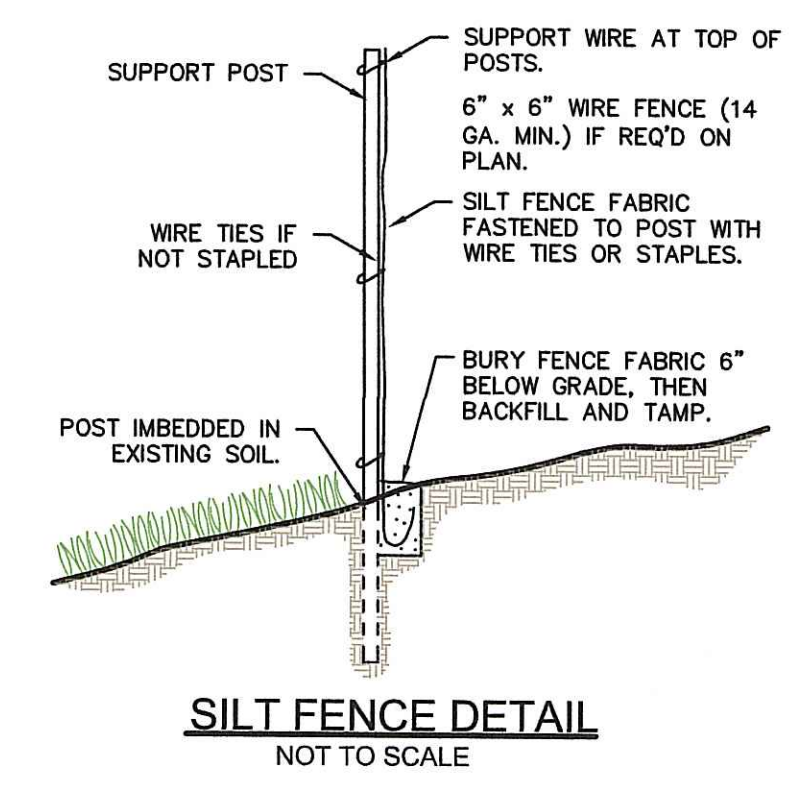
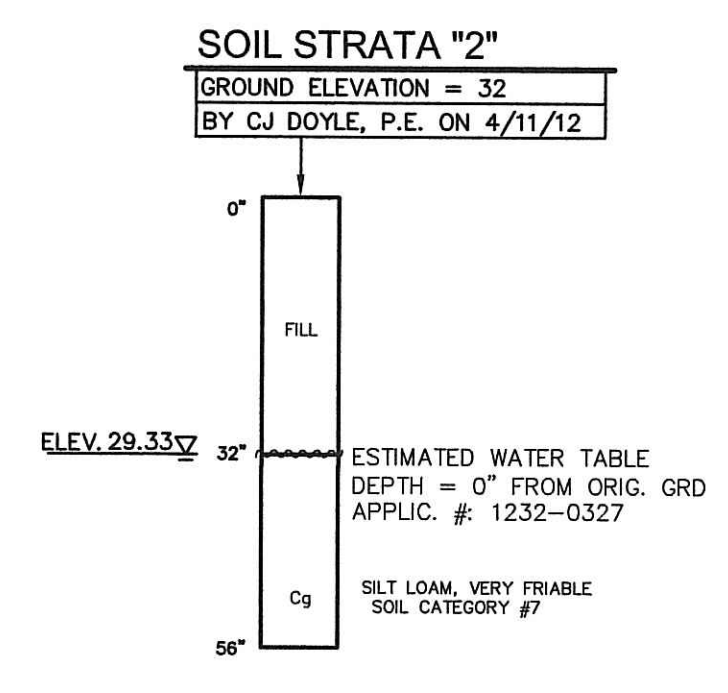
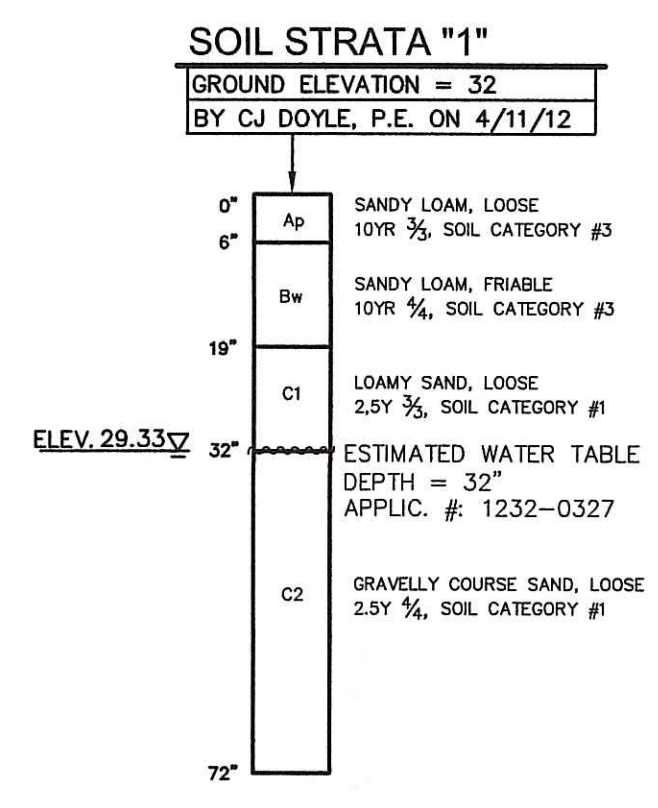


DETAIL PROPOSED SEDIMENTATION AND EROSION CONTROL AND CONSTRUCTION SEQUENCE



CONSTRUCTION SEQUENCE:

- INSTALL EROSION CONTROL MEASURES.
- REMOVE TREES THAT NEED TO BE CUT DOWN, REMOVE AREA OF BRUSH IN THE LOCATION ADJACENT TO THE PROPOSED BSF AND ADVANTEX UNIT AS NOTED ON SEDIMENTATION AND EROSION CONTROL DETAIL ON SHEET 2.
- BEGIN AND COMPLETE REMOVAL OF THE EXISTING OWTS, SEE EXISTING OWTS NOTE ON SHEET 1.
- INSTALL THE A/E CATEGORY 1 BSF WITH ADVANTEX AX-20 OWTS. COMPLETE REQUIRED INSTALLATION INSPECTIONS AND CONFORM SYSTEM. ALSO TO BE COMPLETED DURING THIS PHASE IS THE ABANDONMENT OF THE PRIVATE DRINKING WATER WELL AND THE INSTALLATION OF THE WATER SERVICE LINE UTILIZING THE EXISTING CURB-STOP.
- RAZE THE EXISTING DWELLING DECKS. THE QUONSET HUT STRUCTURE IS TO BE RELOCATED TO A NEW SITE.
- EXCAVATE FOR THE NEW BUILDING STRUCTURE.
- COMPLETE CONSTRUCTION OF THE NEW DWELLING, INCLUDING THE CONNECTION OF THE WATER SERVICE LINE AND INSTALLATION OF THE BUILDING SEWER TO THE NEW STRUCTURE.
- LOAM AND SEED ALL DISTURBED AREAS, MAKE REPAIRS TO THE EXISTING DRIVEWAY.
- REMOVE EROSION CONTROL MEASURES ONCE A SUITABLE GROUND COVER HAS BEEN ESTABLISHED.



FILTER FABRIC DEWATERING BASIN
SCALE: NONE

DEWATERING EXCAVATION:
A HIGH WATER TABLE IS ANTICIPATED. IF THE WATER TABLE IS ENCOUNTERED DURING EXCAVATION THE WATER TABLE SHALL BE TEMPORARILY LOWERED BY PUMPING. THE CONTRACTOR SHALL INSTALL A DEWATERING BASIN AS SHOWN IN THE DEWATERING BASIN DETAIL.

THE PUMP DISCHARGE SHALL BE DIRECTED TO THIS BASIN TO PREVENT SEDIMENTS FROM LEAVING THE CONSTRUCTION AREA. THE CONTRACTOR SHALL INSTALL ADDITIONAL BASINS IF REQUIRED. INSTALL THE BASIN AS SHOWN ON THE SITE PLAN IF SO NOTED, OTHERWISE INSTALL THE BASIN(S) WITHIN THE LIMITS OF DISTURBANCE AS SHOWN BY THE SILT FENCE OR HAY BALES.

CONSTRUCTION WASTE:

- IT IS THE SOLE RESPONSIBILITY OF THE SITE CONTRACTOR FOR THE FOLLOWING:
1. ALL CONSTRUCTION WASTE SHALL BE PROPERLY HANDLED AND DISPOSED IN A PROPER MANNER, I.E., STORED IN APPROPRIATE CONTAINERS AND DISPOSED OFFSITE AT APPROPRIATE FACILITIES.
 2. HAZARDOUS MATERIALS SHALL BE HANDLED IN ACCORDANCE WITH LOCAL, STATE OR FEDERAL LAWS OR REGULATIONS.
 3. THE CONSTRUCTION SITE SHALL BE MAINTAINED IN A CLEAN ORDERLY FASHION WITH DEBRIS, LITTER AND CONSTRUCTION WASTE CLEANED UP AS NEEDED. THE SITE SHALL ALSO BE CLEANED AT THE END OF EACH DAY.
 4. CONCRETE WASHDOWN WATER USED TO CLEAN CONCRETE TOOLS AND EQUIPMENT SHALL BE DISPOSED OF PROPERLY AND SHALL NOT BE ALLOWED TO ENTER STORM DRAINS, SANITARY SEWERS OR PERMITTED TO DISCHARGE TO STREET SURFACES. HARDENED WASTE CONCRETE CAN BE DISPOSED IN A MANNER SIMILAR TO ANY EARTH SPOILS PROVIDED THE MATERIALS ARE NOT CONTAMINATED WITH HAZARDOUS SUBSTANCES.
 5. A SUFFICIENT NUMBER OF ONSITE PORTABLE TOILETS SHALL BE PROVIDED FOR PERSONNEL IF OTHER TOILET FACILITIES ARE NOT ALREADY AVAILABLE.
 6. CONTRACTOR SHALL INSURE TRUCKS AND VEHICLES DO NOT CARRY MUD FROM THE SITE ONTO ABUTTING STREETS OR PROPERTIES BY THE USE OF APPROPRIATE VEHICLE CONSTRUCTION ENTRANCE PADS. THE CONTRACTOR SHALL BE ESPECIALLY DILIGENT WHERE CONSTRUCTION PADS CANNOT BE USED OR ARE UNFEASIBLE DUE TO SITE CONSTRAINTS, E.G.: EXISTING PAVEMENT OR LIMITED AREA.
 7. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING TRACKED MUD FROM ABUTTING STREETS, STORM DRAINS, ETC., TO THE SATISFACTION OF THE OWNER OF THE STREET OR DRAINS.

EROSION AND SEDIMENTATION CONTROL NOTES:

1. TEMPORARY AND/OR PERMANENT EROSION CONTROL DEVICES SUCH AS BALED HAY, SILT FENCING, ETC. SHALL BE INSTALLED PRIOR TO ANY CLEARING, EXCAVATION AND STOCKPILING.
2. THE CONTRACTOR SHALL USE SILT FENCING UNLESS DIRECTED TO USE HAYBALES.
3. SILT FENCING SHALL BE PLACED IMMEDIATELY DOWN SLOPE AND ADJOINING AREAS OF SOIL DISTURBANCE AND STOCKPILES. GENERAL LOCATIONS HAVE BEEN SHOWN ON THE EROSION CONTROL PLAN. ADDITIONAL LOCATIONS MAY BE ADDED DURING CONSTRUCTION AS CONDITIONS WARRANT.
4. CLEARING OF EXISTING VEGETATION SHALL BE DONE IN A CONTROLLED MANNER SO AS TO AVOID EXTENSIVE AREAS OF DEFOLIATED TERRAIN SUBJECT TO EROSION. AREAS SO DISTURBED SHALL BE BROUGHT TO FINAL GRADES AND STABILIZED AS SOON AS POSSIBLE.
5. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
6. ALL EROSION CONTROL DEVICES SHALL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS DURING CONSTRUCTION, ESPECIALLY AFTER EACH RAINFALL.
7. SILT FENCING TOED AND STAKED IN ACCORDANCE WITH THE TYPICAL SILT FENCE DETAIL SHOWN.
8. THE CONTRACTOR IS REQUIRED TO KEEP LOCAL AND STATE ROADS FREE OF MUD AND DEBRIS CAUSED BY CONSTRUCTION VEHICLES LEAVING THE CONSTRUCTION SITE.
9. CONSTRUCTION ENTRANCE PADS ARE REQUIRED. THE PADS SHALL BE MAINTAINED IN A CONDITION FOR WHICH THEY ARE INTENDED BY REGULAR ADDITIONS OF STONE OR REMOVAL OF ACCUMULATED SEDIMENT.
10. ALL EROSION AND SEDIMENTATION CONTROL DEVICES AND BMP'S SHALL BE INSPECTED AND REPAIRED AS NEEDED PRIOR TO ANTICIPATED STORMS.
11. DUE TO CHANGING CHARACTERISTICS OF THE SITE CAUSED BY AND DURING CONSTRUCTION ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS SITE CONDITIONS WARRANT.
12. IF CONSTRUCTION IS SUSPENDED, ALL DISTURBED AREAS SHALL BE SEEDED AND ALL NECESSARY EROSION CONTROL DEVICES SHALL BE IN PLACE AND IN GOOD WORKING ORDER. IF SEEDING IS NOT POSSIBLE THEN EROSION CONTROL MATS SHALL BE PLACED OVER ALL DISTURBED SOIL.
13. EROSION CONTROL BLANKETS (MATS) SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. EROSION CONTROL BLANKETS (MATS) SHALL BE MANUFACTURED BY NORTH AMERICAN GREEN (1-800-772-2040) OR APPROVED EQUIVALENT AND INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
14. ALL EROSION CONTROL METHODS, MATERIALS AND MAINTENANCE SHALL BE DONE IN ACCORDANCE WITH THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK".
15. ALL DISTURBED AREAS SHALL BE BROUGHT TO FINISH GRADE WITH 6" OF GOOD CLEAN LOAM AND SEEDED WITH A SUITABLE GRASS MIX (SUCH AS URI #2 OR EQUIVALENT), AT A RATE OF 2.5 LBS./1000 SQUARE FEET.
16. PRIOR TO SEEDING, FERTILIZE WITH 10-10-10 OR EQUAL. AT LEAST 40% OF THE FERTILIZER SHALL BE OF THE SLOW RELEASE FORM. LIME AND FERTILIZER SHALL BE INCORPORATED INTO THE TOP 3" TO 4" OF THE SOIL.
17. APPLY FERTILIZER AT THE RATE OF 8 LBS./1000 SQUARE FEET, AND LIME AT A RATE OF 1 TON/ACRE. SEEDING SHALL BE DONE ACCORDING TO FOLLOWING DATES:
SPRING: MARCH 15 TO MAY 31
FALL: AUGUST 15 TO OCTOBER 31
18. THE CONTRACTOR SHALL KEEP ALL SEEDED AREAS WATERED AND IN GOOD CONDITION UNTIL A GOOD HEALTHY, UNIFORM GROWTH IS ESTABLISHED OVER THE ENTIRE AREA.
19. ALL PLANTINGS WHICH DO NOT SURVIVE THE FIRST GROWING SEASON SHALL BE REPLANTED.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUN 07 2012 FILE # 12-001
NO CHANGES ALLOWED WITHOUT PRIOR APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Charles N. Haber

FRISELLA & ASSOCIATES
LAND SURVEYING
33 NORTH RD. SUITE C-201 O. PEI
PHONE (401) 783-5949 FAX (401) 783-5949
www.frisella.com

NO.	DATE	DESCRIPTION

DRAWING TITLED:
DETAILS

LOCATED ON:
LOT: 11 OF ASSESSOR'S MAP: 41-1

OWNED BY:
ROBERT A. BALLINGER

ADDRESS:
782 SAUGATUCKET ROAD

IN THE TOWN OF **SOUTH KINGSTOWN, RI**

MAY 2012
DESIGNED BY:
JEFFREY K. BALCH, P.L.S.

SCALE: AS SHOWN
DRAWN BY: JK CHECKED BY: JKB

DRAWING NO.:
SHEET 2 OF 2

JEFFREY K. BALCH
No. 1234
PROFESSIONAL LAND SURVEYOR