

**RAIN GARDEN TREATMENT**

Rain garden to be 8" deep with a 2-4 inch amended soil layer (50/50 mixture of the excavated native soils and mature organic compost) and a 2-3 inch layer of non-dyed aged shredded hardwood mulch.

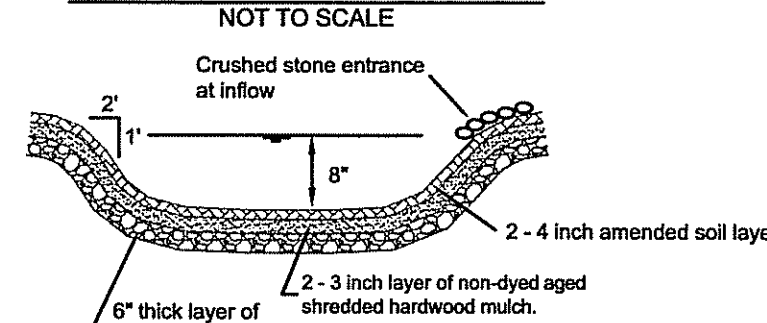
**CONSTRUCTION**

1. A crushed stone entrance should be installed at the inflow to prevent channeling.
2. A berm to detain stormwater should be constructed along the downhill side of the rain garden, perpendicular to the slope of the lawn.
3. Be sure that the soil within the rain garden area does not become compacted by construction activities (i.e. heavy machinery). If soil becomes severely compacted it may need to be tilled and amended to maintain proper

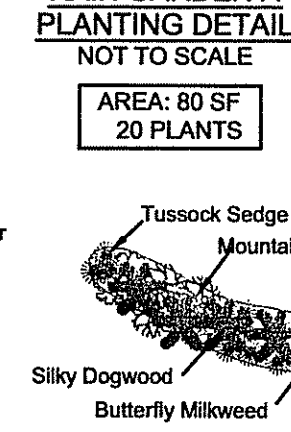
**MAINTENANCE**

1. The rain garden shall be inspected following at least the first two precipitation events of at least 1.0 inch to ensure that the system is functioning properly. Thereafter, the rain garden shall be monitored and maintained to assure proper functioning, plant growth and survival. Plants shall be replaced on an as-needed basis during the growing season.
2. Silt/sediment shall be removed from the rain garden when the accumulation exceeds one inch, or when water ponds on the surface of the rain garden for more than 48 hours. The top few inches of material shall be removed and shall be replaced with fresh soil mixture and mulch.
3. Pruning or replacement of woody vegetation shall occur when dead or dying vegetation is observed.
4. Soil erosion gullies shall be repaired when they occur.
5. Fertilizer or pesticides shall not be applied to plants within rain gardens.
6. Perennial plants and ground covers shall be replaced as necessary to maintain an adequate vegetated ground cover. Annual plants may also be used to maintain ground cover.

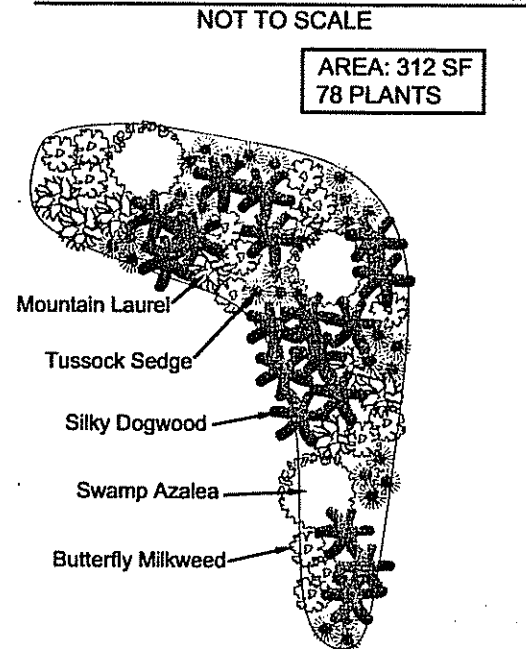
**RAIN GARDEN CROSS-SECTION**  
NOT TO SCALE



**RAIN GARDEN A PLANTING DETAIL**  
NOT TO SCALE



**RAIN GARDEN B PLANTING DETAIL**  
NOT TO SCALE



**TEST HOLE DATA**  
DATE: 7/10/07

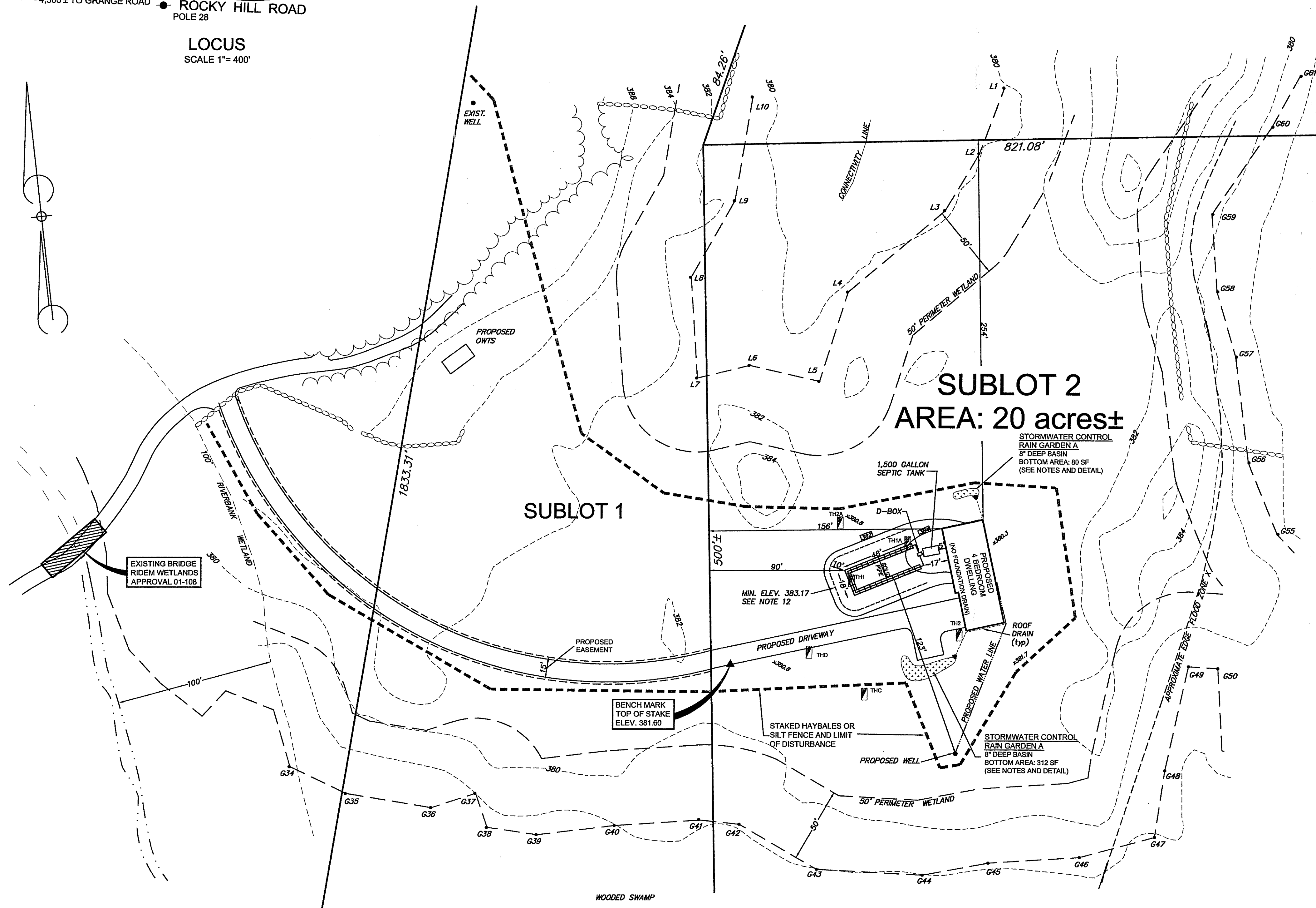
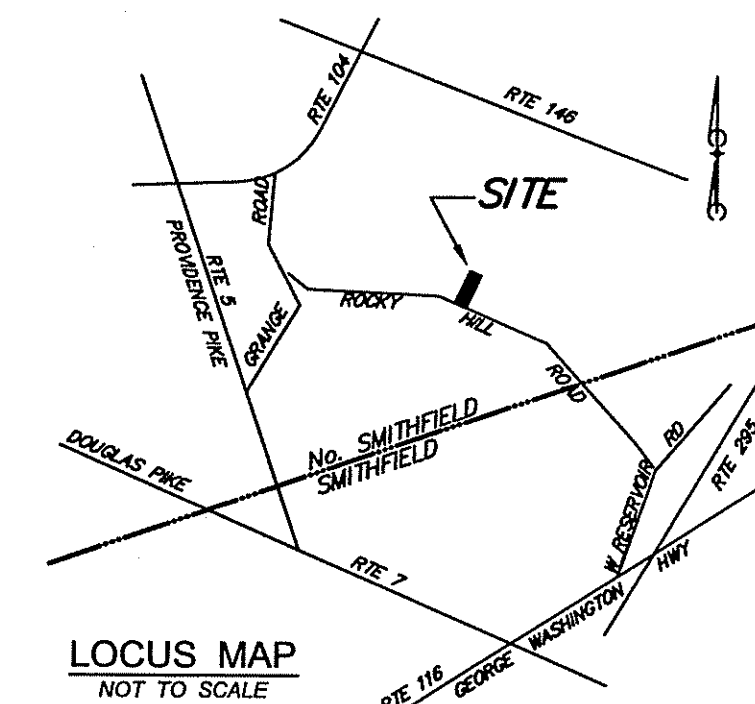
TH1A ELEV. 380.8  
0'-8" Ap. SL, 10YR 3/2  
8"-16" Bw. SL, 7.5YR 5/3  
16"-26" C, LS, 2.5YR 5/6  
26"-56" C, MS, 2.5YR 6/3  
56"-96" C2, VFLS, 5YR 5/2  
NO LEDGE AT 96"  
ESHW: 26" ELEV. 378.6

TH2A ELEV. 380.6  
0'-8" Ap. SL, 10YR 3/2  
8"-14" Bw. SL, 5YR 5/3  
14"-28" C, LS, 2.5YR 5/4  
28"-50" C, FS, 2.5YR 6/3  
50"-96" C2, VFLS, 5YR 5/2  
NO LEDGE AT 96"  
ESHW: 24" ELEV. 378.6

DATE: 7/27/05

TH1 ELEV. 380.6  
0'-10" Ap. SL, 10YR 3/2  
10"-22" Bw. SL, 5YR 5/3  
22"-32" C, LS, 2.5YR 5/4  
32"-74" C, MS, 2.5YR 6/3  
74"-120" C2, VFLS, 5YR 5/2  
NO LEDGE AT 120"  
ESHW: 36" ELEV. 377.6

TH2 ELEV. 380.6  
0'-6" Ap. SL, 10YR 3/2  
6"-14" Bw. SL, 5YR 5/3  
14"-27" C, LS, 2.5YR 5/4  
27"-64" C, MS, 2.5YR 6/3  
64"-120" C2, VFLS, 5YR 5/2  
NO LEDGE AT 120"  
ESHW: 36" ELEV. 378.6



**WETLANDS PLAN**  
for  
**GORDON F. B. ONDIS**  
PLAT 20, PART OF LOT 16  
SUBPLOT 2  
ROCKY HILL ROAD  
NORTH SMITHFIELD, RHODE ISLAND  
JULY, 2014  
SCALE: 1 INCH EQUALS 40 FEET

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO.: 14-021  
DATED JUL 31 2014  
SEE LETTER OF SAME DATE.

Environmental Management  
JUL 21 2014  
Office of Water Resources

Charles A. Haber

THIS SURVEY AND PLAN CONFORM TO CLASS IV STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

Marc N. Nyberg  
REG. PROFESSIONAL LAND SURVEYOR

MARC N. NYBERG  
No. 1797  
PROFESSIONAL LAND SURVEYOR

MARC N. NYBERG ASSOCIATES, INC.  
LAND SURVEYORS AND PLANNERS  
501 GREAT ROAD, UNIT 104  
NORTH SMITHFIELD, RHODE ISLAND 02896  
TEL (401) 762-2870 FAX (401) 762-2871

NOTE: EROSION CONTROL TO BE INSTALLED PRIOR TO START OF CONSTRUCTION. IT IS TO BE INSPECTED AFTER ANY RAIN EVENT AND REPAIRED OR REPLACED AS NECESSARY UNTIL CONSTRUCTION IS COMPLETE AND AREA HAS STABILIZED.

NOTE: NO SUBDRAINS FOR DWELLING ARE PROPOSED. BASEMENT FLOOR TO BE ELEVATION 379.00 OR HIGHER.