

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

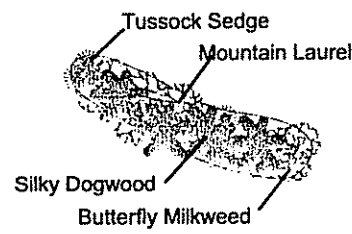
1. A crushed stone entrance should be installed at the inflow to prevent channeling.
2. A berm to detain stormwater should be constructed along the downhill side of the rain garden, perpendicular to the slope of the lawn
3. Be sure that the soil within the rain garden area does not become compacted by 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.

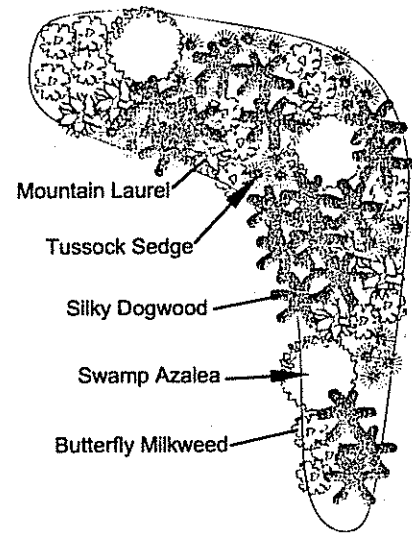
RAIN GARDEN A PLANTING DETAIL
NOT TO SCALE

AREA: 48 SF
12 PLANTS

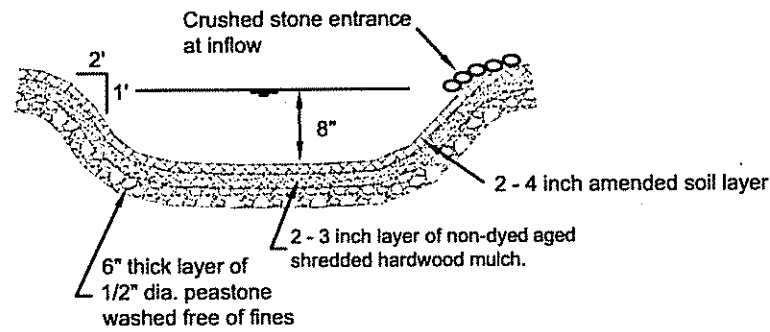


RAIN GARDEN B PLANTING DETAIL
NOT TO SCALE

AREA: 176 SF
44 PLANTS

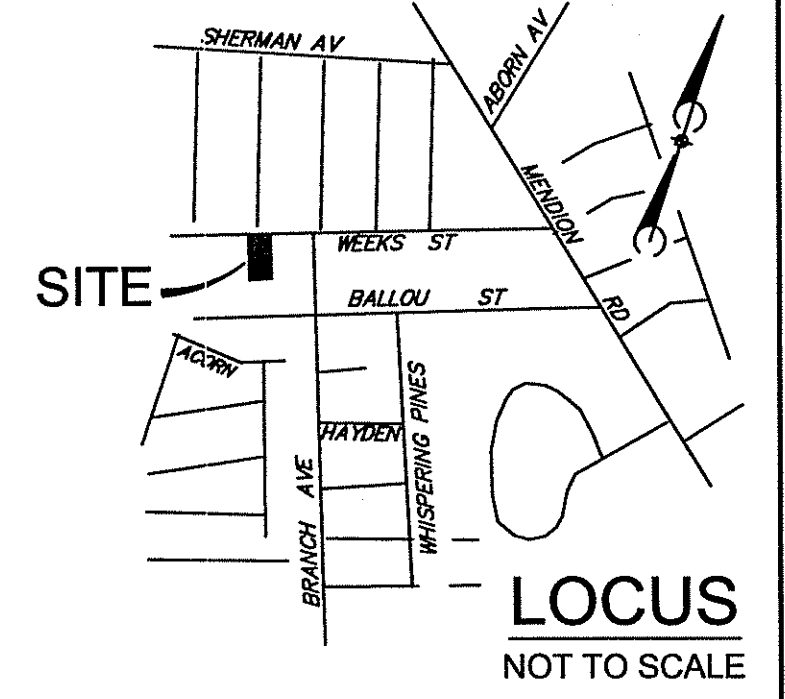
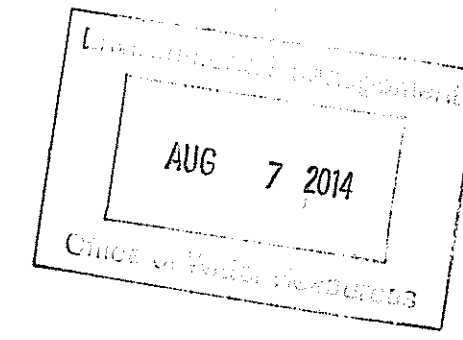
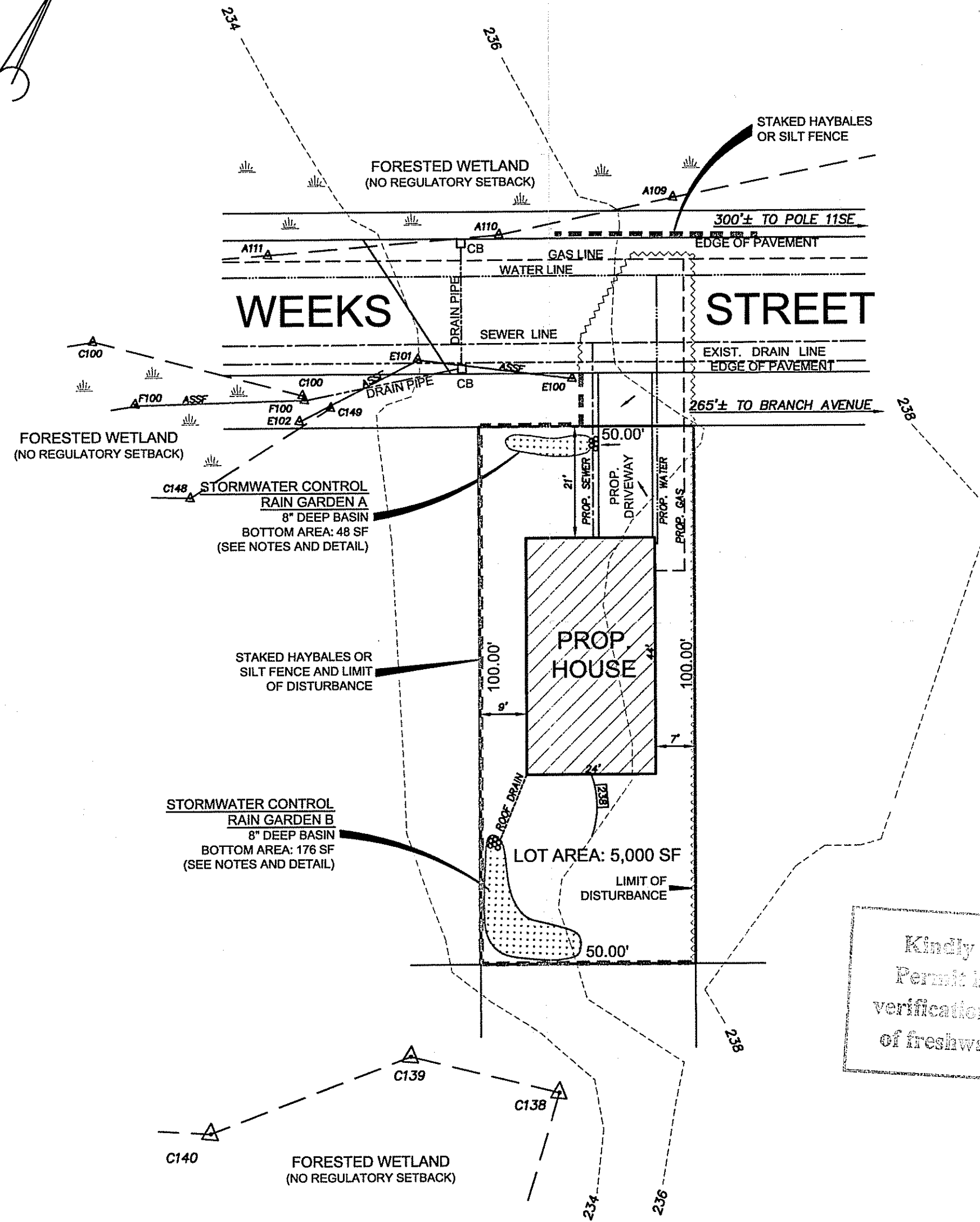
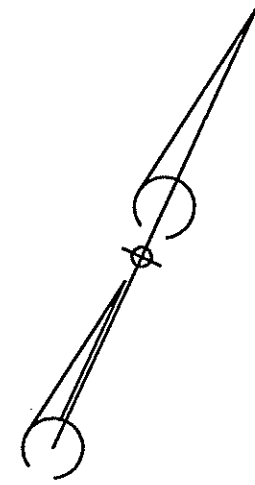


RAIN GARDEN CROSS-SECTION
NOT TO SCALE



NOTES:

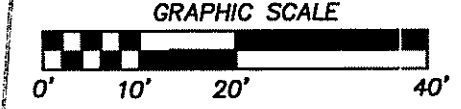
1. WETLAND EDGE DELINEATION BY: ECOTONES, INC. PO BOX 1131, EAST GREENWICH, RI 02818
2. STAKED HAYBALES/SILT FENCE TO BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY AND TO REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE AND AREA IS STABILIZED. HAYBALES/SILT FENCE TO BE INSPECTED REGULARLY AND REPAIRED OR REPLACED AS NECESSARY.
3. UTILITIES SHOWN ARE APPROXIMATE AND MUST BE FIELD VERIFIED.



LEGEND

- PROPERTY LINE
- - - F100 ASSF
- - - A110 WETLAND EDGE
- ▲ A110 WETLAND FLAG

SITE PLAN FOR NORTHERN REALTY LLC
ASSESSOR'S PLAT 53, LOT 1003
WEEKS STREET, CUMBERLAND, RI
JULY, 2014
SCALE: 1 INCH EQUALS 20 FEET
SHEET 1 OF 1

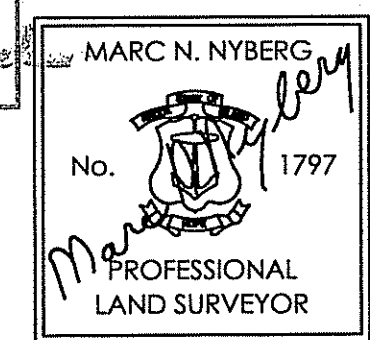


Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

THIS PLAN IS SUBSTANTIALLY CORRECT IN ACCORDANCE WITH A CLASS IV STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. THIS PLAN IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND IS SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY MAY DISCLOSE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO.: 14-0136
DATED SEP 19 2014
SEE LETTER OF SAME DATE.

Marc N. Nyberg
MARC N. NYBERG PROFESSIONAL LAND SURVEYOR



MARC N. NYBERG ASSOCIATES, INC.
LAND SURVEYORS and PLANNERS
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