

- LEGEND**
- 100 --- 100 EXISTING CONTOUR
 - 100.3 --- 100.3 PROPOSED CONTOUR
 - TH1 TEST HOLE
 - PROPOSED HOUSE
 - EXIST. OVERHEAD WIRE
 - EXIST. ATT UNDERGROUND CABLE
 - STAKED HAYBALES OR SILT FENCE & LIMIT OF DISTURBANCE
 - LIMIT OF DISTURBANCE

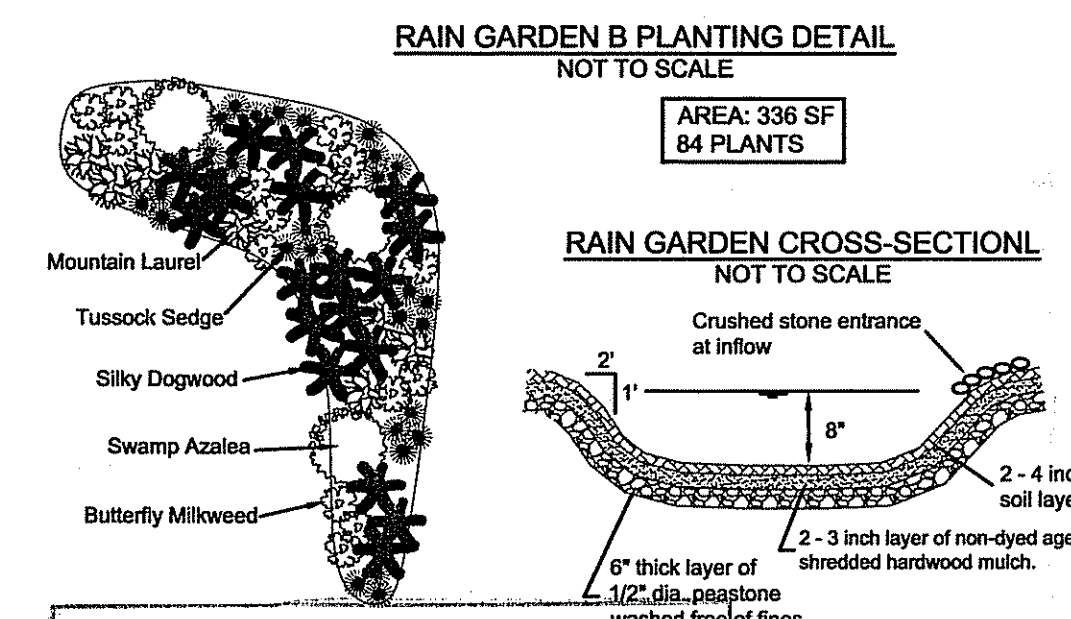
RAIN GARDEN TREATMENT
 Rain garden to be 8" deep with a 2-4 inch amended soil layer (50/50 mixture of the excavated native soils and mature organic compost) and a 2-3 inch layer of non-dyed aged shredded hardwood mulch.

CONSTRUCTION

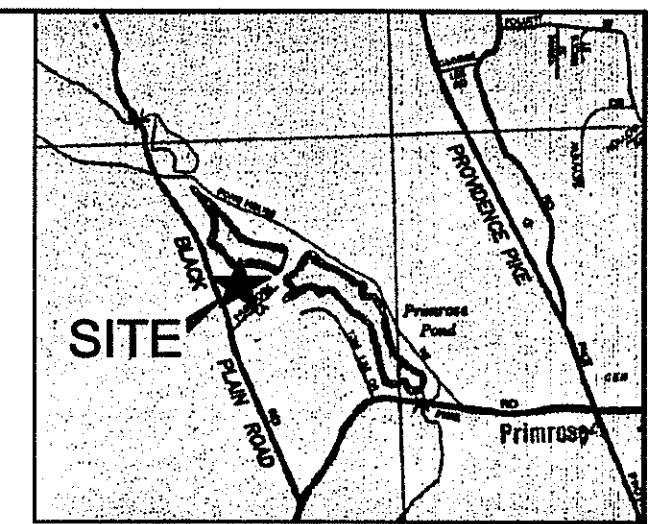
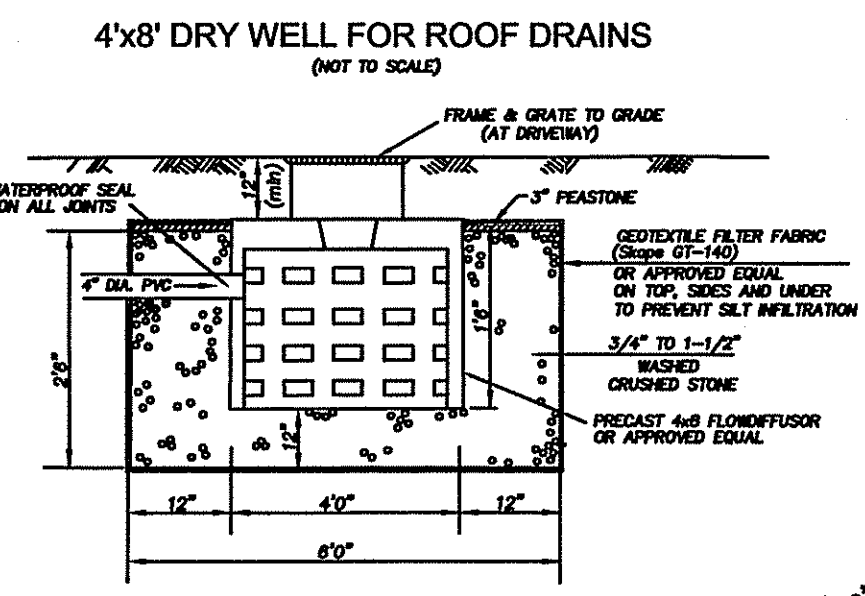
1. A crushed stone entrance should be installed at the inflow to prevent channeling.
2. A berm to detain stormwater should be constructed along the downhill side of the rain garden, perpendicular to the slope of the lawn.
3. Be sure that the soil within the rain garden area does not become compacted 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 and maintained by the owner of the property. Following at least the first two precipitation events of at least 1.0 inch the rain garden shall be inspected 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.



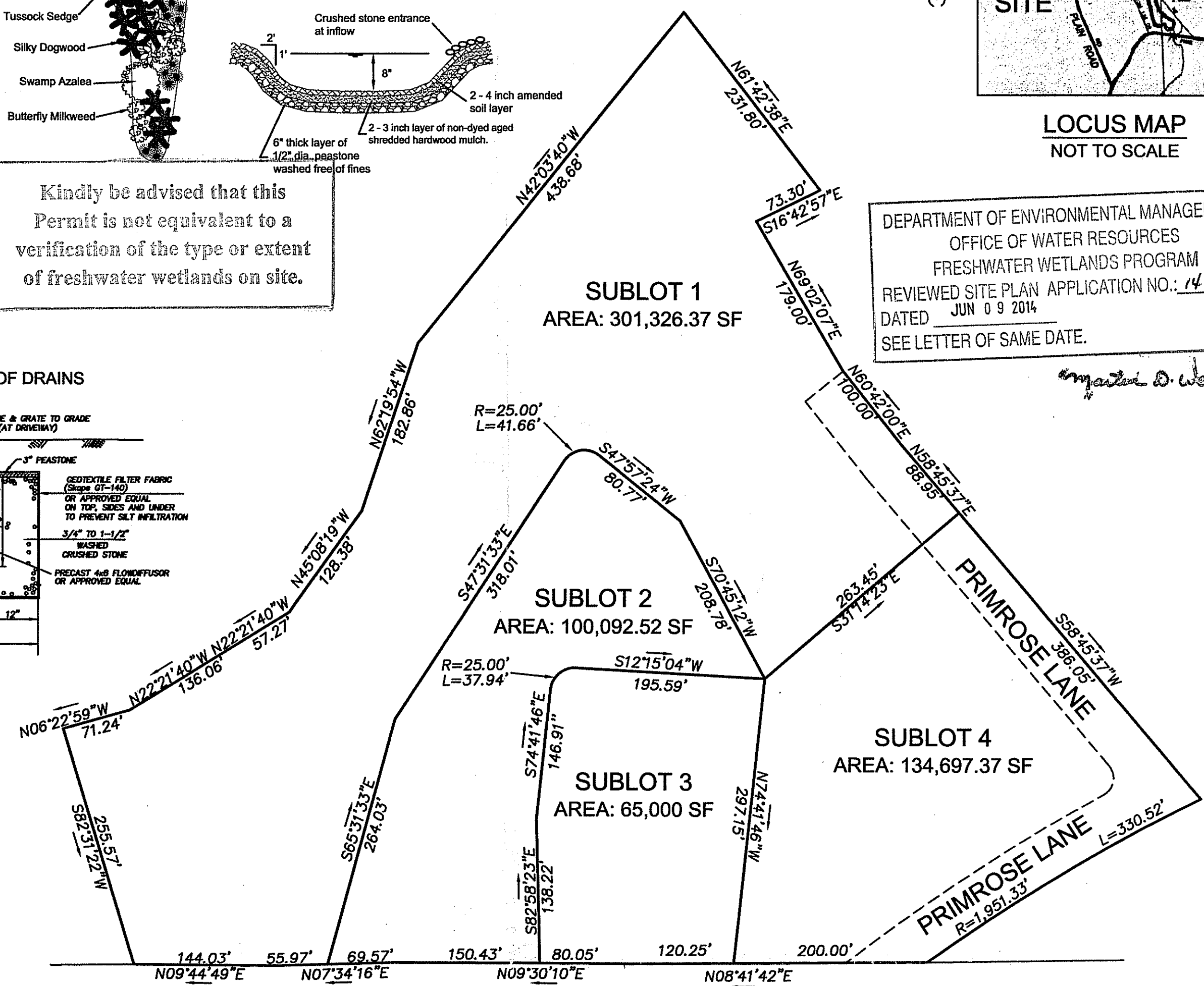
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.



LOCUS MAP
 NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 REVIEWED SITE PLAN APPLICATION NO.: 14-0059
 DATED JUN 9 2014
 SEE LETTER OF SAME DATE.

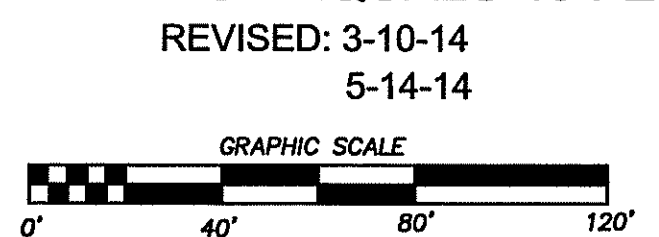
Margaret D. Weneck



LOCUS MAP
 SCALE: 1"=100'

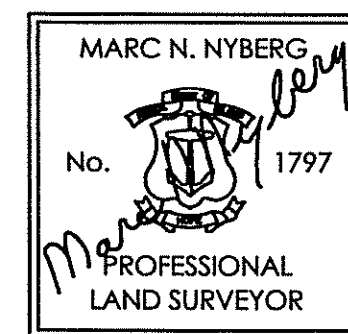
SUBDIVISION SUITABILITY and WETLANDS PLAN
 for
HAROLD MORRIS TRUSTEE
ASSESSOR'S PLAT 15, LOT 216
BLACK PLAIN ROAD ROAD
NORTH SMITHFIELD, RHODE ISLAND
JANUARY, 2014

- SUBLOT 1**
- TH 1 0'-9" A, SL, 10YR 3/4
 - 9'-120" C, CB, G, COS, 10 YR 4/3
 - TH 2 0'-10" A, SL, 10YR 3/4
 - 10'-120" C, COS, 10 YR 4/3
- SOIL CATEGORY 1**
 NO LEDGE AT 120"
 DESIGN WATER AT 66"
- SUBLOT 2**
- TH1 0'-6" A, SL, 7.5YR 3/2
 - 6'-36" Bw, SL, 10YR 3/3
 - 36'-84" C, CB, G, COS, 10YR 5/3
 - 64'-120" C2, LS, 2.5YR 5/3
- TH2**
 0'-6" A, SL, 7.5YR 3/2
 6'-32" Bw, SL, 10YR 3/3
 32'-120" C, CB, G, COS, 10YR 4/3
- SOIL CATEGORY 1**
 NO LEDGE AT 120"
 DESIGN WATER AT 96"
- SUBLOT 4**
- TH1 0'-12" FILL, SL
 - 12'-24" Ab, SL, 10YR 5/4
 - 24'-38" Bw, SL, 10YR 4/4
 - 38'-144" C, CB, G, COS, 10YR 3/4
- TH2**
 0'-14" FILL, SL
 14'-28" Ab, SL, YR 3/4
 28'-38" Bw, SL, 10YR 4/4
 38'-144" C, CB, G, COS, 10YR 3/2
- SOIL CATEGORY 1**
 NO LEDGE AT 144"
 DESIGN WATER AT 120"



THIS SURVEY AND PLAN CONFORM TO CLASS 1 STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

Marc N. Nyberg
 REG. 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

- NOTES:**
1. ELEVATIONS ARE BASED ON AN ASSUMED DATUM.
 2. NUMBER OF BEDROOMS PROPOSED PER DWELLING: 4.
 3. LEACHING SYSTEM DESIGN LOADING RATE: 0.71.
 4. LEACHING SYSTEM SIZE PER LOT: TWO LINES
- 11 FLOWDIFFUSORS TOTAL
 12" STONE AROUND AND UNDER
 657 SQUARE FEET REQUIRED
 698 SQUARE FEET PROVIDED
5. NO WELL EXISTS WITHIN 100' OF THE PROPOSED LEACHING SYSTEM.
 6. NO WELLS, EXISTING OR PROPOSED, ARE WITHIN 200' FEET OF ISDS UNLESS SHOWN. NO PUBLIC WELLS, EXISTING OR PROPOSED, ARE WITHIN 500' OF THE ISDS UNLESS SHOWN.
 7. BRING SEPTIC TANK MANHOLE TO GRADE AND D-BOX MANHOLE TO WITHIN 12" OF GRADE.
 8. NO DRAINS OF ANY KIND SHALL BE WITHIN 25' UPGRADIENT OR 50' DOWNGRADIENT OR SIDE GRADIENT OF THE PROPOSED LEACHING SYSTEM.
 9. STAKED HAYBALES OR SILT FENCE TO BE INSTALLED PRIOR TO START OF CONSTRUCTION. EROSION CONTROLS TO BE INSPECTED AND MAINTAINED AND REPLACED AS NECESSARY UNTIL CONSTRUCTION IS COMPLETE AND AREA HAS STABILIZED.

