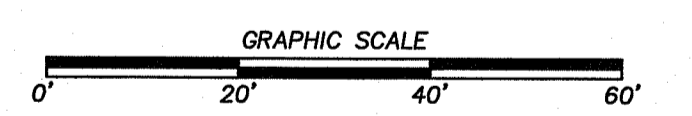


NOTE: WETLAND DELINEATION BY: NATURAL RESOURCE SERVICES, INC.

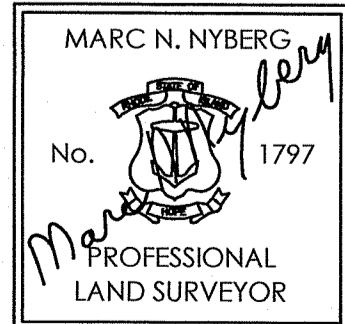
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO.: 19-0291
DATED **NOV 01 2019**
SEE LETTER OF SAME DATE.
Nancy L. Freeman

WETLANDS PLAN
for
SMC REALTY LLC
PLAT 21, LOT 237
102 PENNSYLVANIA AVENUE
CUMBERLAND, RHODE ISLAND
SEPTEMBER, 2019
SCALE 1"= 20'

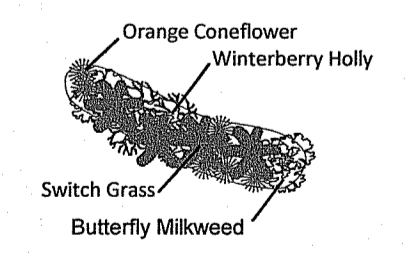


CERTIFICATION
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:
LIMITED CONTENT BOUNDARY SURVEY: CLASS IV
TOPOGRAPHIC ACCURACY: T4
STATEMENT OF PURPOSE
THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND THE PREPARATION OF THE PLAN IS AS FOLLOWS:
PROPOSED HOUSE
By: *Marc N. Nyberg*
MARC N. NYBERG License No. 1797 COA No. A52

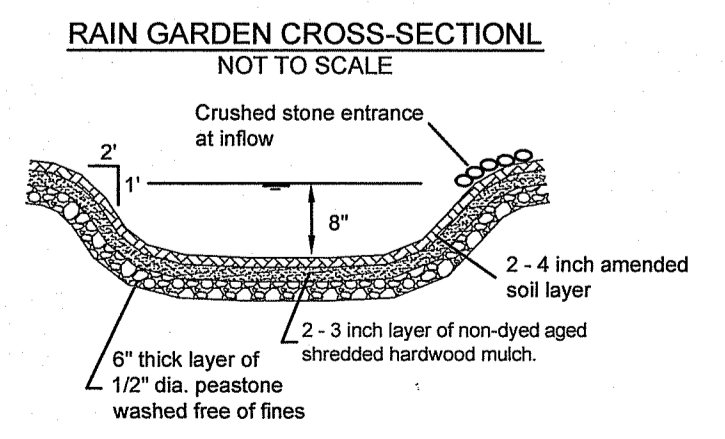
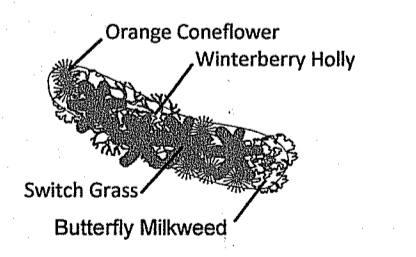
Nyberg & Associates A SUBSIDIARY OF
INSITE Engineering Services, LLC
PROFESSIONAL ENGINEERS | LAND SURVEYORS
Precision. Clarity. Certainty.
InSite Professional Complex, Suite 1
1539 Fall River Avenue Seekonk, MA 02771
Phone: (508) 336-4500 Fax: (508) 336-4558
Web Address: InSiteEngineers.com



RAIN GARDEN A PLANTING DETAIL
NOT TO SCALE
DRIVEWAY AREA: 1,633 SF
SOIL TEXTURE: SANDY LOAMS
AREA: 136 SF
34 PLANTS



RAIN GARDEN B PLANTING DETAIL
NOT TO SCALE
ROOF AREA: 1,344 SF
SOIL TEXTURE: SANDY LOAMS
AREA: 112 SF
28 PLANTS

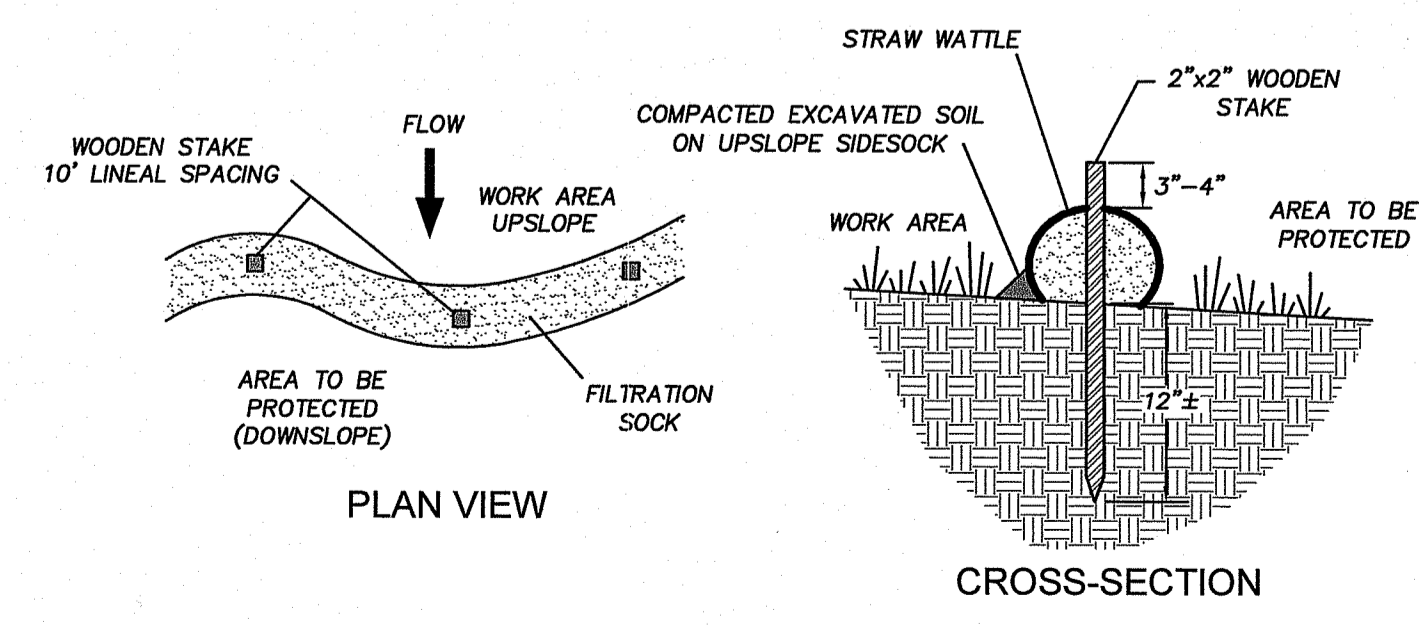


RAIN GARDEN TREATMENT
Rain garden to be 8" deep with a 2 - 4 inch amended soil layer (50/50 mixture of the excavated native soils and mature organic compost) and a 2 - 3 inch layer of non-dyed aged shredded hardwood mulch.

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.

STRAW WATTLE DETAIL
NOT TO SCALE



TEST HOLE DATA (BY OTHERS)
DATE: 2-7-08

DB1	0'-3" A, SIL, FSL, 10YR 3/2
	8'-16" Bw1, SIL, SL, 10YR 4/6
	16'-39" Bw2, SIL, SL, SOME GR, 10YR 5/4
	39'-96" 2C, GR, SL, 10YR 5/4
ESHWT:	18"
LEDGE:	96"
DB2	0'-3" A, SIL, FSL, 10YR 3/2
	8'-16" Bw1, SIL, SL, 10YR 4/6
	16'-39" Bw2, SIL, SL, SOME GR, 10YR 5/4
	39'-108" 2C, GR, SL, 10YR 5/4
ESHWT:	18"
LEDGE:	108"
DB3	0'-3" A, SIL, FSL, 10YR 3/2
	8'-16" Bw1, SIL, SL, 10YR 4/6
	16'-39" Bw2, SIL, SL, SOME GR, 10YR 5/4
	39'-108" 2C, GR, SL, 10YR 5/4
ESHWT:	18"
LEDGE:	108"
DB4	0'-3" A, SIL, FSL, 10YR 3/2
	8'-16" Bw1, SIL, SL, 10YR 4/6
	16'-39" Bw2, SIL, SL, SOME GR, 10YR 5/4
	39'-96" 2C, GR, SL, 10YR 5/4
ESHWT:	18"
LEDGE:	96"
LEDGE PROBE 1:	45"
LEDGE PROBE 2:	50"
SOIL CATEGORY:	6

ZONING DISTRICT
R1 (WATER, NO SEWER)
MINIMUM SETBACKS: FRONT - 25'
SIDE - 10'
REAR - 25'