

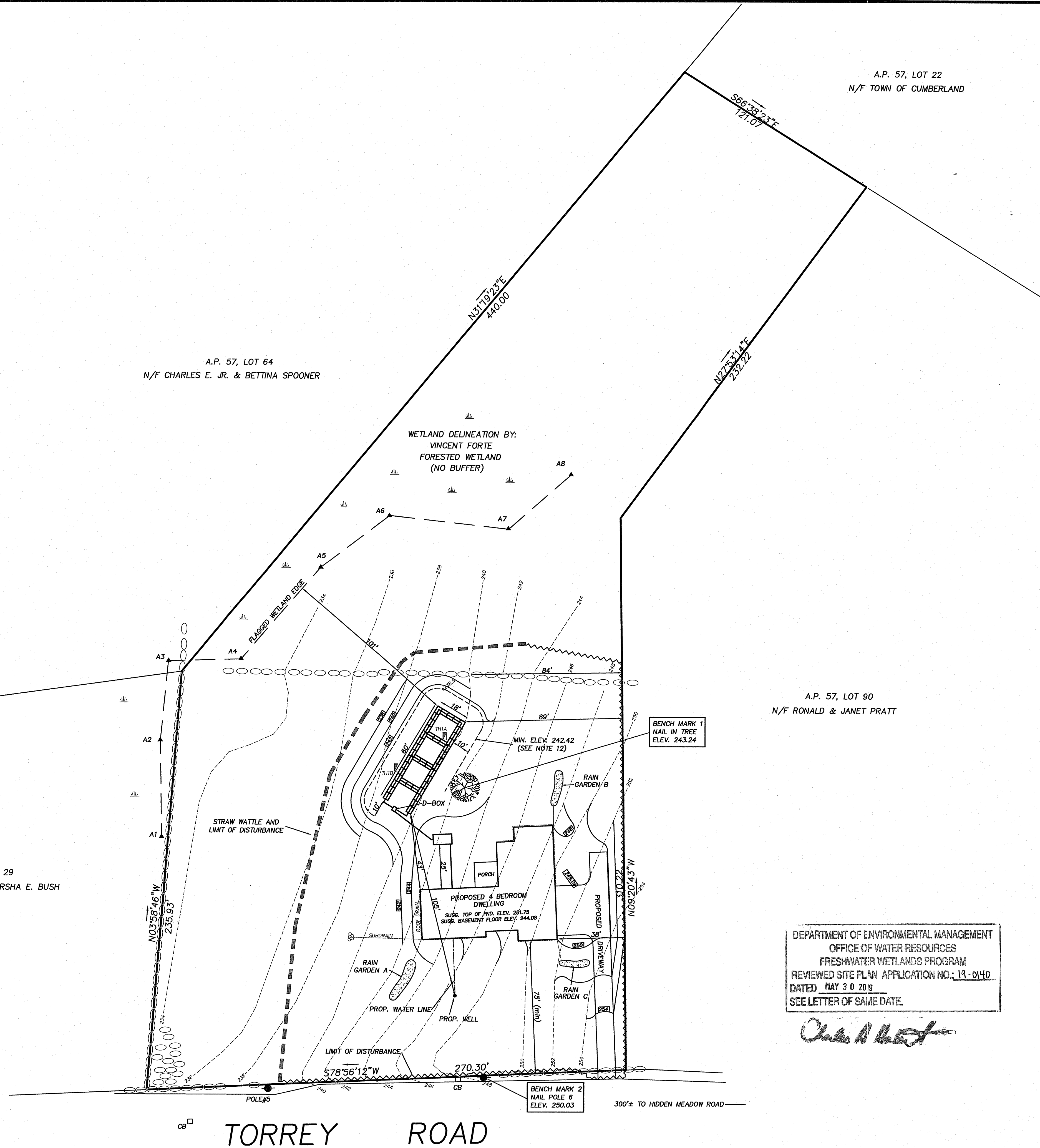


A.P. 57, LOT 64
N/F CHARLES E. JR. & BETTINA SPOONER

A.P. 57, LOT 22
N/F TOWN OF CUMBERLAND

A.P. 57, LOT 90
N/F RONALD & JANET PRATT

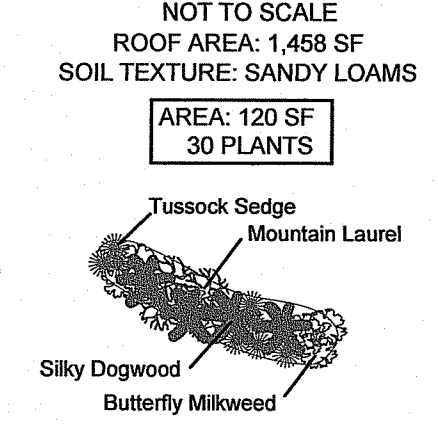
A.P. 57, LOT 29
N/F KENNETH R. & MARSHA E. BUSH



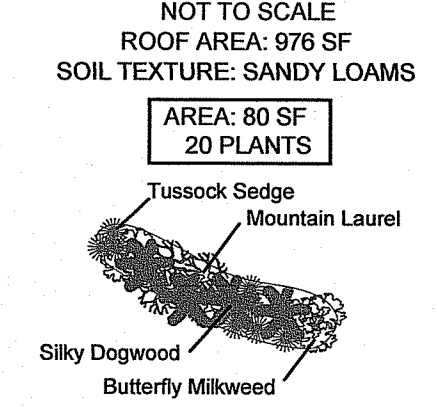
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO.: 19-0140
DATED MAY 30 2019
SEE LETTER OF SAME DATE.

Charles A. Nyberg

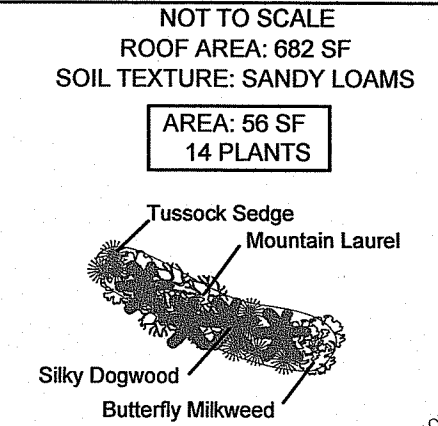
RAIN GARDEN A PLANTING DETAIL



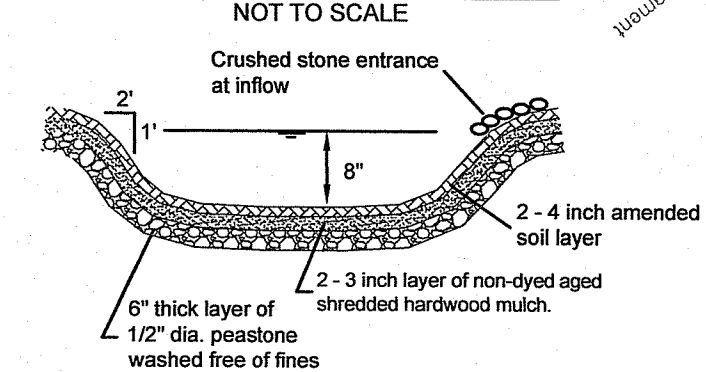
RAIN GARDEN B PLANTING DETAIL



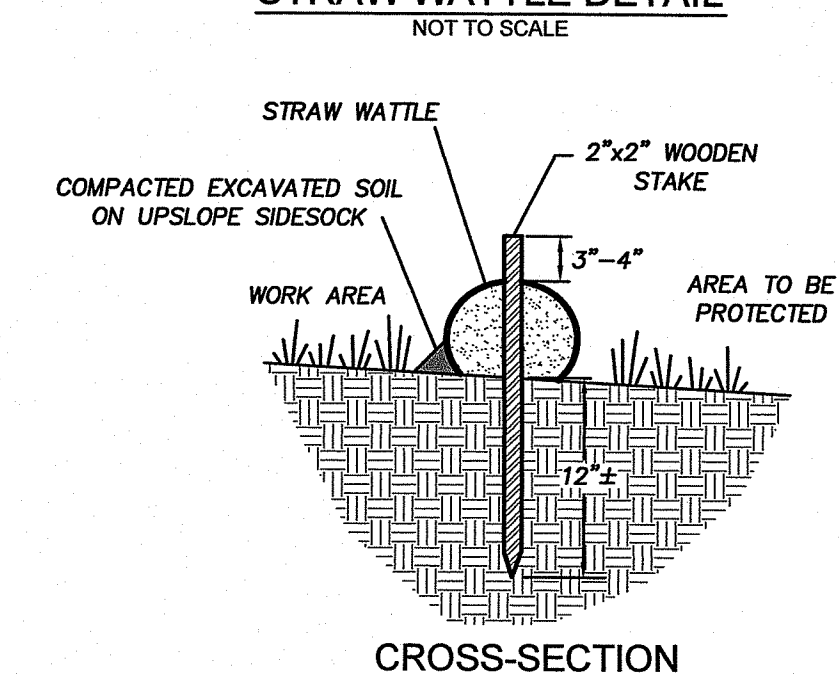
RAIN GARDEN C PLANTING DETAIL



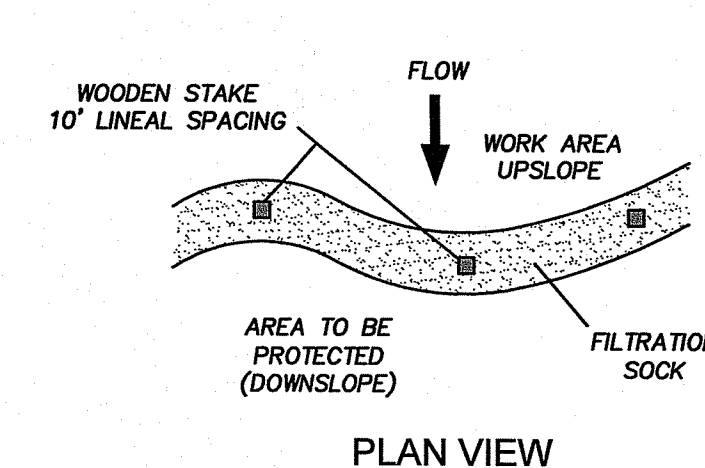
RAIN GARDEN CROSS-SECTION



STRAW WATTLE DETAIL



CROSS-SECTION

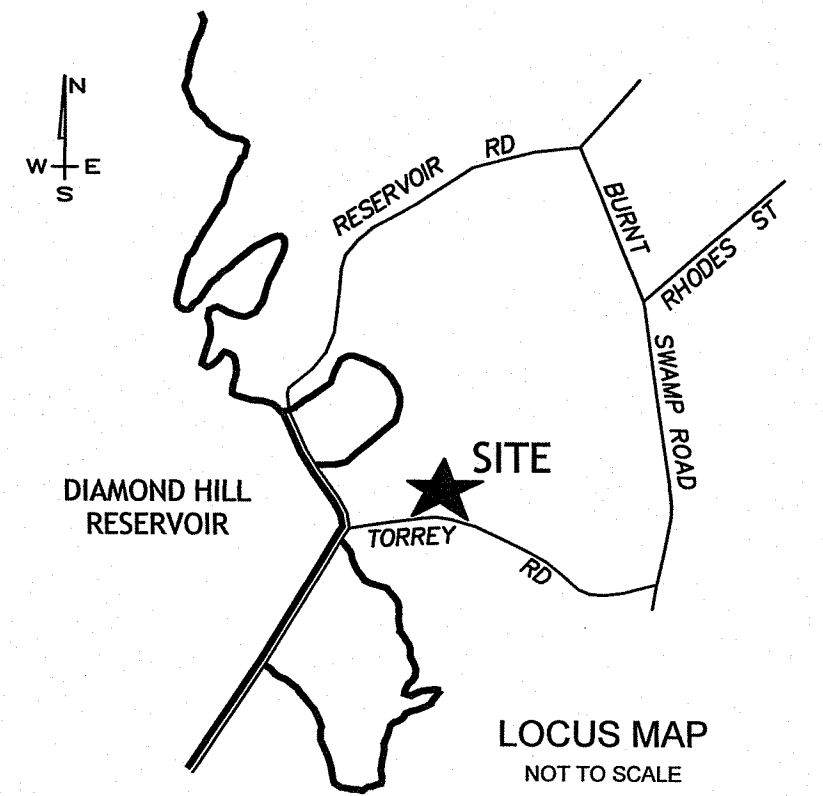


TEST HOLE DATA

DATE: 4/13/06

TH1A
0'-12" Ap, SIL, 10YR 3/2
12"-24" Bw, G, FSL, 10YR 5/4
24"-40" C, G, LS, 10YR 4/3
40"-120" C2, ST, CB, G, FSL, 2.5YR 5/4
ESHW 28"
NO LEDGE AT 120"

TH1B
0'-12" Ap, SIL, 10YR 3/2
12"-24" Bw, G, FSL, 10YR 5/4
24"-40" BC, G, SL, 7.5YR 5/8
40"-58" C, G, LS, 10YR 4/3
40"-120" C2, ST, CB, G, FLS, 2.5YR 5/4
ESHW 28"
NO LEDGE AT 120"



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.

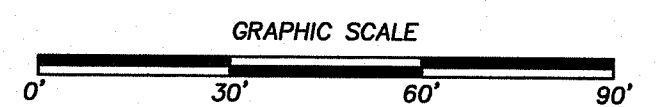
CONSTRUCTION

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.

WETLANDS PLAN
for
JAMES DUBOIS
PLAT 57, LOT 89
TORREY ROAD
CUMBERLAND, RHODE ISLAND
DATE: APRIL, 2019
SCALE: 1" = 30'
SHEET 1 OF 1



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 T-4

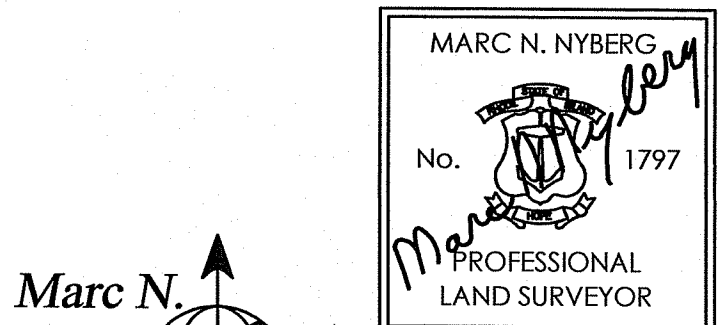
STATEMENT OF PURPOSE

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



Marc N. Nyberg Associates, Inc.
Land Surveyors
Planners

501 Great Road GPS Tel: (401) 762-2870
Unit 104 Fax: (401) 762-2871
North Smithfield, RI 02896 Email: mail@marcnyberg.com

SHEET NUMBER 1 of 1 JOB NUMBER 18-002