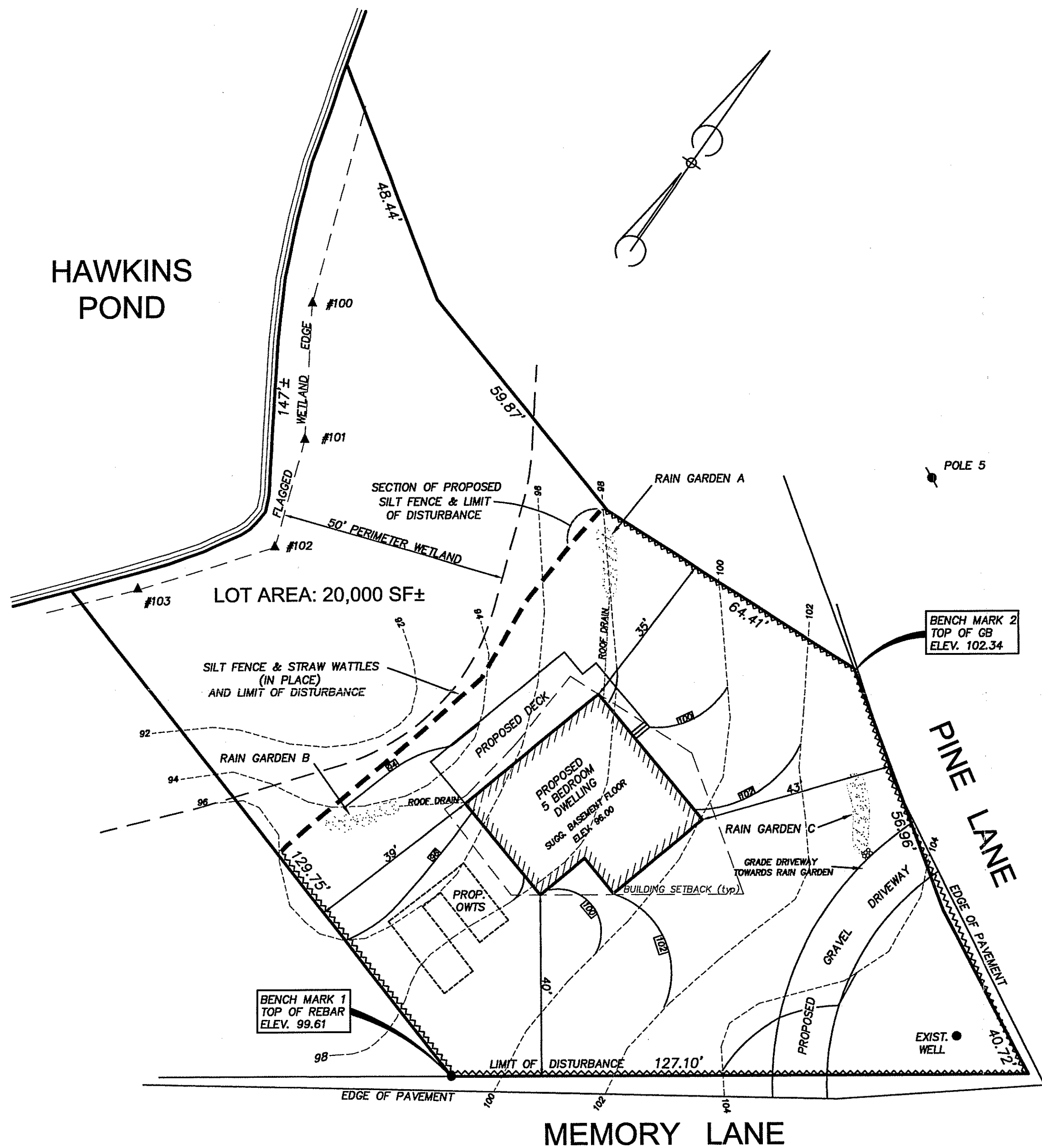


HAWKINS POND



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 REVIEWED SITE PLAN APPLICATION NO.: 18-0293
 DATED NOV 23 2018
 SEE LETTER OF SAME DATE.

Charles A. Hester

ZONE: R-40
 MINIMUM SETBACKS: FRONT - 40'
 SIDE - 35'
 REAR - 75'

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.

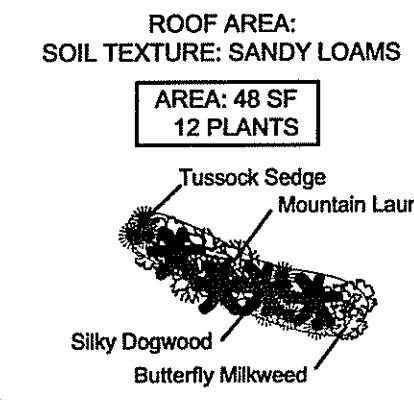
CONSTRUCTION

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

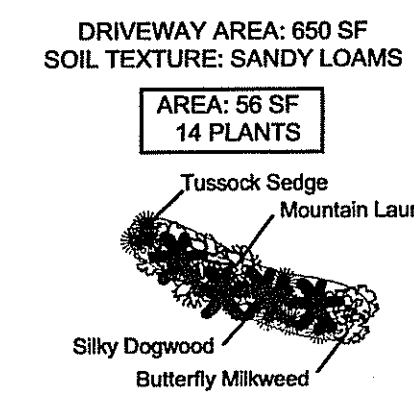
MAINTENANCE

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.

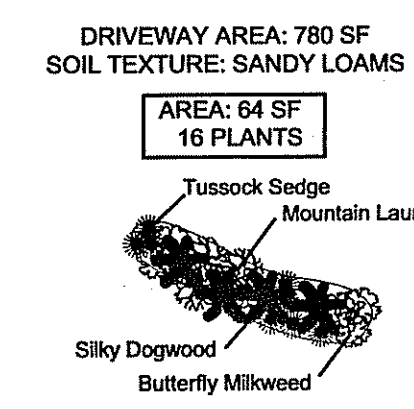
RAIN GARDEN A PLANTING DETAIL
 NOT TO SCALE



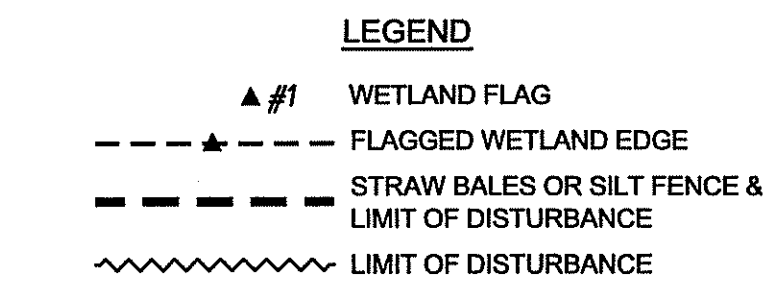
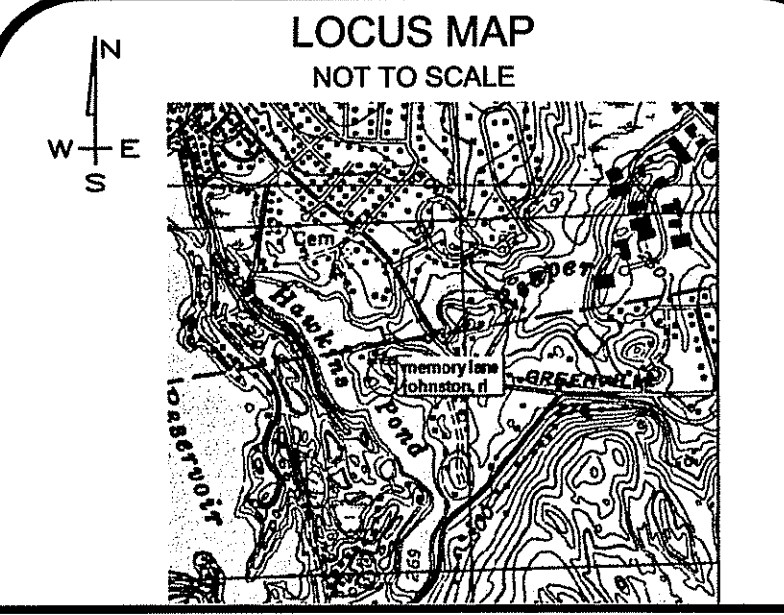
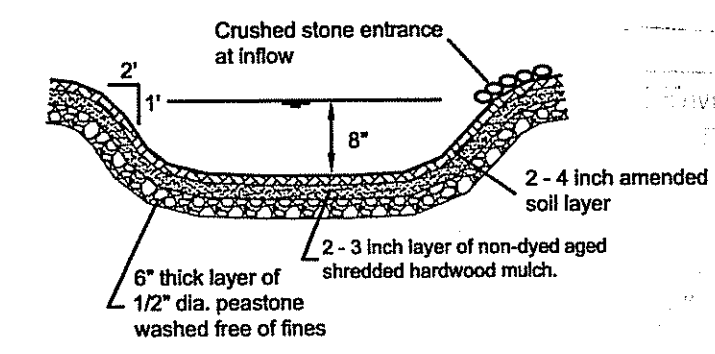
RAIN GARDEN B PLANTING DETAIL
 NOT TO SCALE



RAIN GARDEN C PLANTING DETAIL
 NOT TO SCALE



RAIN GARDEN CROSS-SECTION
 NOT TO SCALE



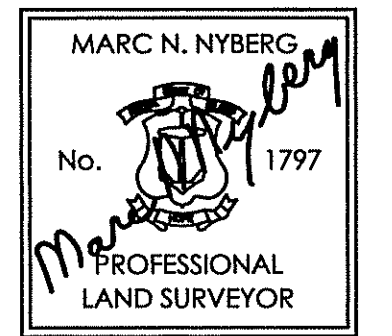
NOTE:
 WETLAND DELINEATION BY MASON & ASSOCIATES, INC.

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, 2016, 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 C O A No.: A52



Marc N. Nyberg Associates, Inc.
 Land Surveyors
 Planners
 GPS

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WETLANDS SITE PLAN
 FOR
 BRUCE COURTEMANCHE
 PLAT 61, LOT 145
 5 MEMORY LANE
 JOHNSTON, RHODE ISLAND
 DATE: OCTOBER, 2018
 SCALE: 1" = 20'



No.	DESCRIPTION	DATE

SHEET NUMBER: 1 of 1 JOB NUMBER: 18-103