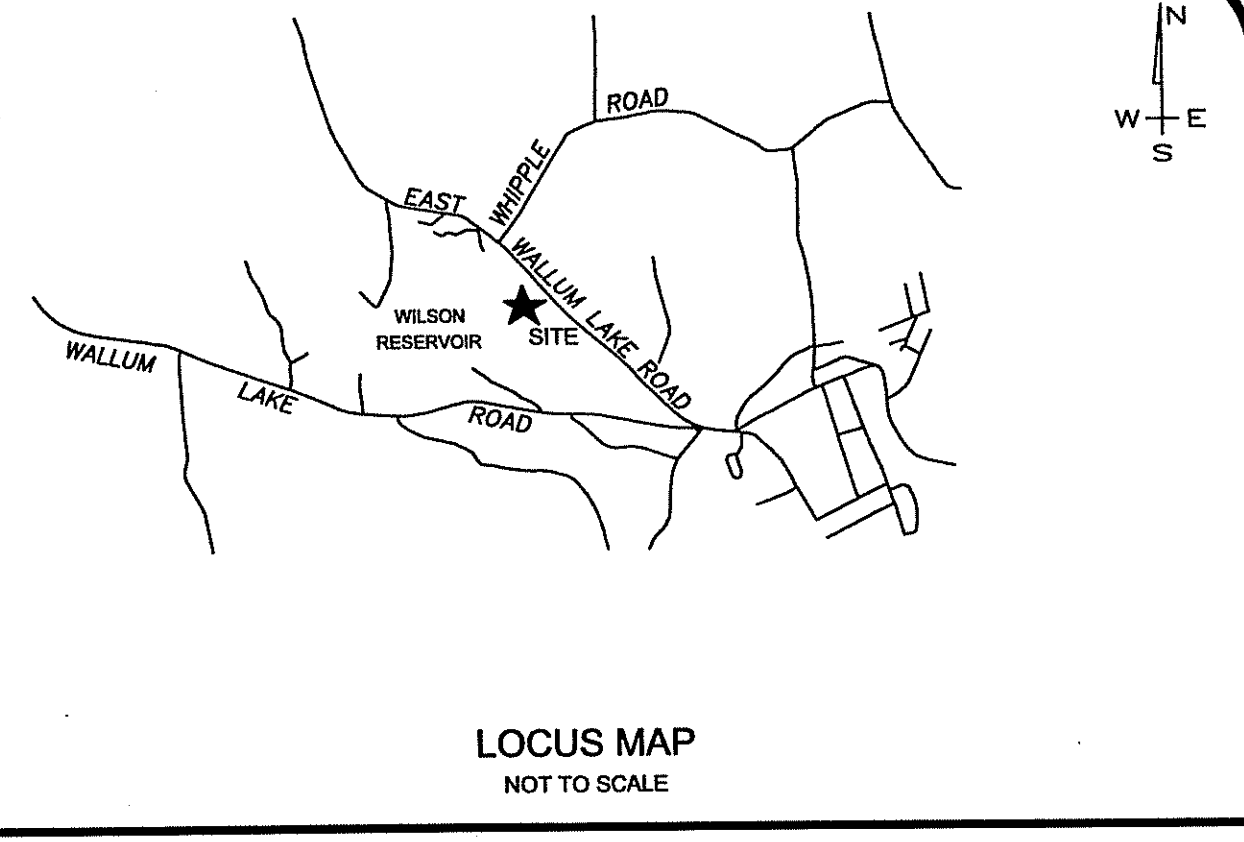
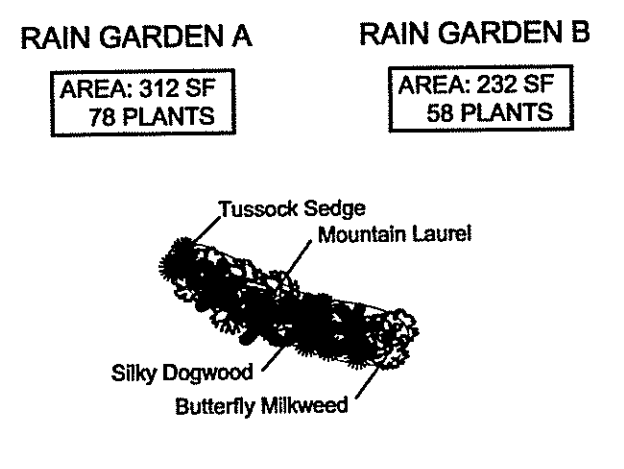


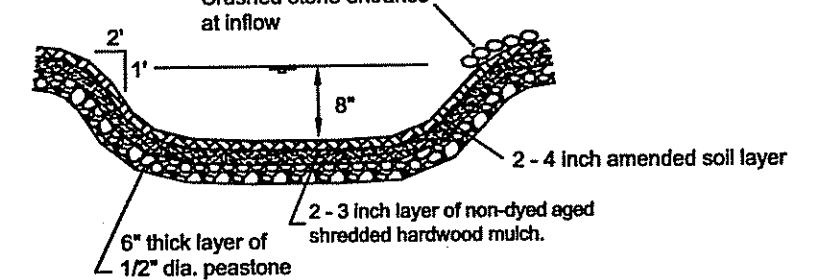
LEGEND		TEST HOLE DATA DATE: 6-9-03 (BY OTHERS)		LEDGE PROBES DATE: 5-2-18 (BY MARC N. NYBERG)	
---	EXISTING CONTOURS	TH14	0'-10" Ap, FSL, 10YR 3/4	P1 - 60"	
---	PROPOSED CONTOURS	TH15	0'-10" Ap1, FSL, 10YR 3/4	P2 - 78"	
---	TEST HOLE		10'-20" Bw1, FSL, 10YR 5/8	P3 - 62"	
---	WETLAND FLAG		20'-20" Bw2, FSL, 10YR 2.5/8	P4 - 46"	
			28'-66" C, STGLFS, 2.5YR 7/2	P5 - 38"	
			ESHWT: 30"	P6 - 70"	
			LEDGE: 66"	P7 - 84"	
			SOIL CATEGORY: 3	P8 - 74"	
				P14A - 85"	



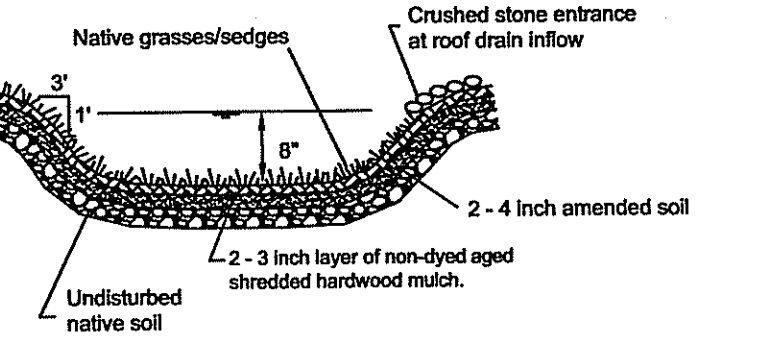
**RAIN GARDEN PLANTING DETAIL**  
NOT TO SCALE



**RAIN GARDEN CROSS-SECTION I**  
NOT TO SCALE



**2' WIDE VEGETATED SWALE**  
640 SF  
NOT TO SCALE



NOTE: VEGETATED SWALE SHALL BE INSPECTED ANNUALLY AND SHOULD BE INSPECTED AFTER LARGE STORM EVENTS.

**VEGETATIVE SWALE MAINTENANCE**

- The vegetated swale shall be inspected annually and after large storm events.
- Eroded side slopes and channel bottom shall be stabilized as necessary.
- If the surface of the dry swale becomes clogged to the point that standing water is observed on the surface 48 hours after precipitation events, the bottom shall be re-tooled or cultivated to break up any hard-packed sediment, and then reseeded.
- Vegetation in dry swales shall be mowed as required to maintain minimum grass heights in the 4-6 inch range.
- Every five years, the channel bottom of dry swales should be scraped to remove sediment and to restore original cross section and infiltration rate, and should be seeded to restore ground cover, where necessary.

**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**

- A crushed stone entrance should be installed at the inflow to prevent channeling.
- A berm to detain stormwater should be constructed along the downhill side of the rain garden, perpendicular to the slope of the lawn.
- 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**

- 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.
- 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.
- Pruning or replacement of woody vegetation shall occur when dead or dying vegetation is observed.
- Soil erosion gullies shall be repaired when they occur.
- Fertilizer or pesticides shall not be applied to plants within rain gardens.
- 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.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
D/TED AUG 17 2018 FILE # 18-0172  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Signature*

**WETLANDS PLAN FOR SHAWN SLEKIS**  
PLAT 139, LOT 14  
EAST WALLUM LAKE ROAD, BURRILLVILLE, RI  
DATE: JUNE, 2018  
SCALE: 1" = 30'  
REVISED: 7-2-18 EDGE EXISTING DISTURBANCE

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.: A82

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