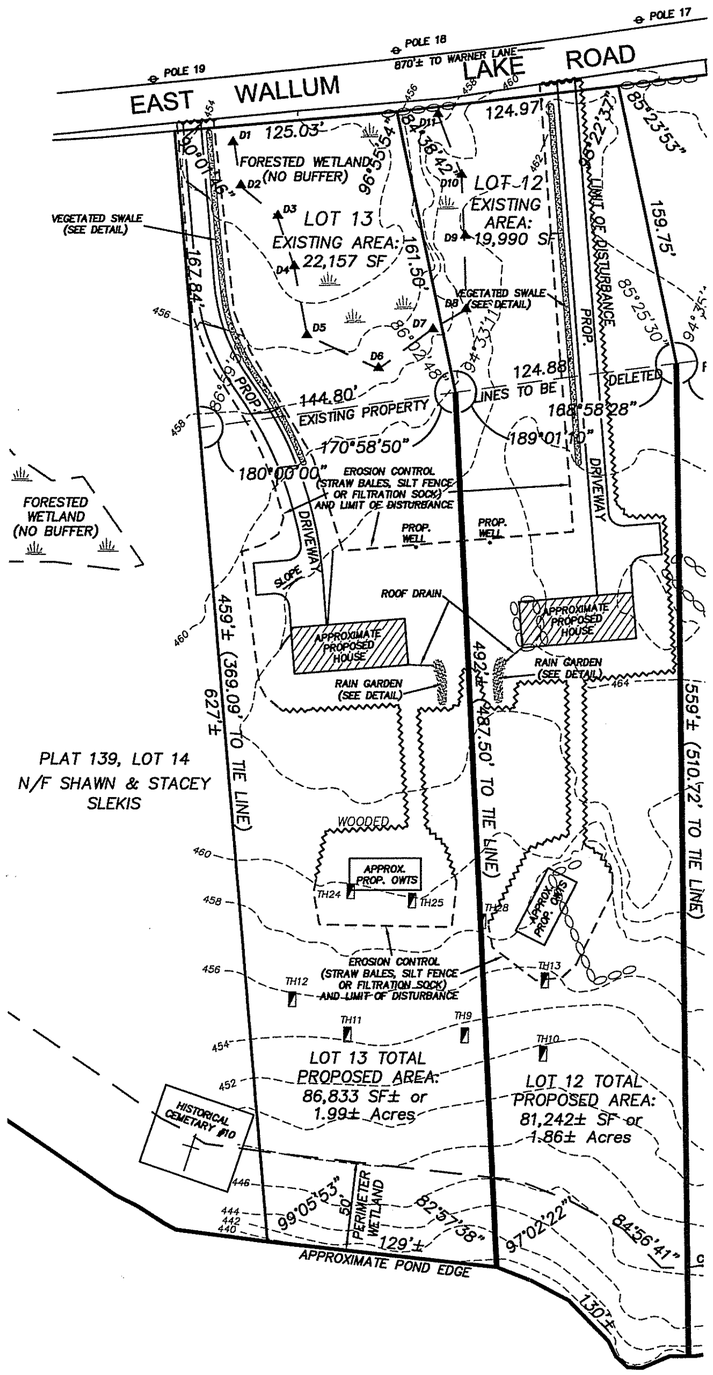
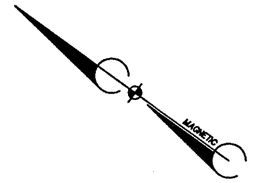


WILSON RESERVOIR

Per R.I.D.E.M: (See-No. 3 of the Department's Letter)

- All proposed grade changes must be within the Limit of Disturbance depicted; and
- All utility connections must be installed within the Limit of Disturbance depicted.



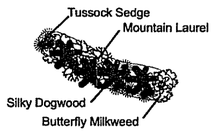
ZONING DISTRICT: R-20
MINIMUM LOT AREA: 20,000 SF
MINIMUM FRONTAGE: 125'
MINIMUM SETBACKS: FRONT - 30'
SIDE - 10'
REAR - 30'

RAIN GARDEN PLANTING DETAIL

NOT TO SCALE

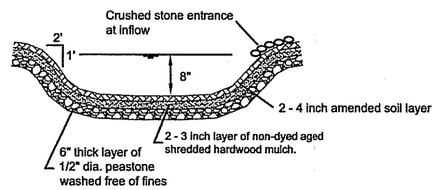
RAIN GARDENS

AREA: 136 SF
34 PLANTS



RAIN GARDEN CROSS-SECTIONL

NOT TO SCALE



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

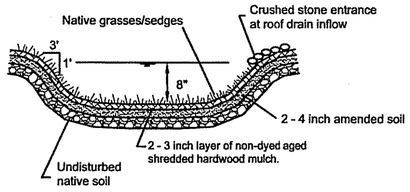
1. The rain garden shall be inspected following at least the first two precipitation events of at least 1.0 inch to ensure that the system is functioning properly. Thereafter, the rain garden shall be monitored and maintained to assure proper functioning, plant growth and survival. Plants shall be replaced 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.

Environmental Management
SEP 19 2018
Office of Water Resources

3' WIDE VEGETATED SWALE

608 SF

NOT TO SCALE

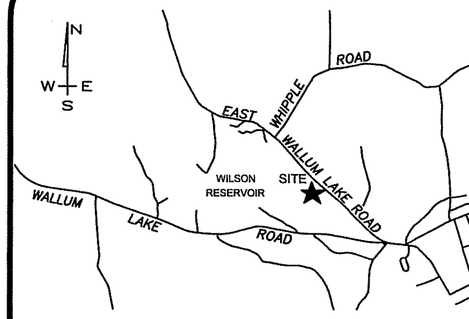


NOTE: VEGETATED SWALE SHALL BE INSPECTED ANNUALLY AND SHOULD BE INSPECTED AFTER LARGE STORM EVENTS.

VEGETATIVE SWALE MAINTENANCE

1. The vegetated swale shall be inspected annually and after large storm events.
2. Eroded side slopes and channel bottom shall be stabilized as necessary.
3. 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 roto-tilled or cultivated to break up any hard-packed sediment, and then reseeded.
4. Vegetation in dry swales shall be mowed as required to maintain minimum grass heights in the 4-6 inch range.
5. 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..

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO.: 18-0196
DATED NOV 14 2018
SEE LETTER OF SAME DATE.
Nancy L. Freitas



LOCUS MAP
NOT TO SCALE

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

LEGEND

- EXISTING PROPERTY LINE TO BE DELETED
- PROPOSED PROPERTY LINE
- TH — TEST HOLE
- STONE WALL
- E4 — WETLAND FLAG

WETLANDS PLAN
FOR
ISCHIA INC.

PLAT 139, LOTS 12 & 13
EAST WALLUM LAKE ROAD
BURRILLVILLE, RHODE ISLAND
DATE: JULY, 2018
REVISED: SEPTEMBER 14, 2018
SCALE: 1" = 60'

GRAPHIC SCALE
0' 60' 120' 180'

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: MOVE PROPERTY LINES.

BY: Marc N. Nyberg

MARC N. NYBERG License No. 1797 COA No.: A52

MARC N. NYBERG
No. 1797
PROFESSIONAL LAND SURVEYOR

Marc N. Nyberg Associates, Inc.
Land Surveyors
Planners
GPS
501 Great Road
Unit 104
North Smithfield, RI 02896
Tel: (401) 762-2870
Fax: (401) 762-2871
Email: mail@marcnyberg.com

SHEET NUMBER	JOB NUMBER
1 of 1	17-131