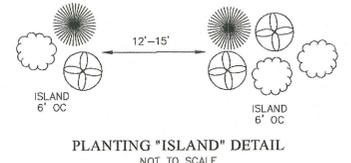


LEGEND

EXISTING CONTOUR	---
PROPOSED CONTOUR	- - -
EXISTING STONE WALL	⊖
PROPOSED LIMIT OF DISTURBANCE	---
PROPOSED SILT FENCE OR SILT SOCK EROSION CONTROL	⊖
WETLAND EDGE WITH FLAG	⊖
50' PERIMETER WETLAND	---
EXISTING MATURE TREE TO REMAIN	⊖
PROPOSED UTILITY POLE WITH OVERHEAD WIRES	⊖



PLANTING "ISLAND" DETAIL
NOT TO SCALE

SHRUBS TO BE PLANTED IN AREAS OF EXISTING MOWED LAWN SHRUBS WILL BE PLANTED IN "ISLAND" GROUPS OF 3-5 SHRUBS PER ISLAND.

ISLANDS ARE TO BE 12 FT. - 15 FT. APART

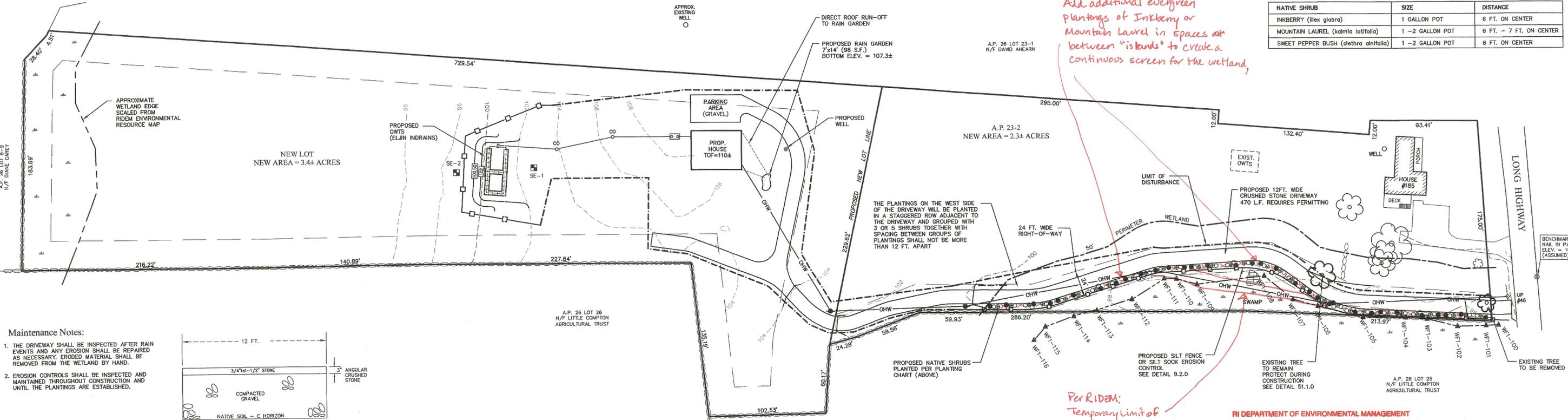
EXISTING TREES AND SHRUBS SHALL REMAIN IN AREAS OUTSIDE THE LIMIT OF DISTURBANCE.

NEW NATIVE SHRUB PLANTINGS SHALL SUPPLEMENT THE EXISTING VEGETATION.

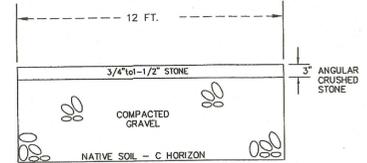
PLANTING CHART

NATIVE SHRUB	SIZE	DISTANCE
INKBERRY (Ilex glabra)	1 GALLON POT	6 FT. ON CENTER
MOUNTAIN LAUREL (Kalmia latifolia)	1 - 2 GALLON POT	6 FT. - 7 FT. ON CENTER
SWEET PEPPER BUSH (dethra alnifolia)	1 - 2 GALLON POT	6 FT. ON CENTER

** Per RIDEM: Add additional evergreen plantings of Inkberry or Mountain Laurel in spaces between "islands" to create a continuous screen for the wetland.*



- Maintenance Notes:**
1. THE DRIVEWAY SHALL BE INSPECTED AFTER RAIN EVENTS AND ANY EROSION SHALL BE REPAIRED AS NECESSARY. ERODED MATERIAL SHALL BE REMOVED FROM THE WETLAND BY HAND.
 2. EROSION CONTROLS SHALL BE INSPECTED AND MAINTAINED THROUGHOUT CONSTRUCTION AND UNTIL THE PLANTINGS ARE ESTABLISHED.



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site

Per RIDEM: Temporary Limit of Disturbance (LOD) for installation of the overhead wire only

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: OCT 12 2022 FILE #: 22-0186
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

RI Environmental Management
SEP 21 2022
Office of Water Resources

- NOTES**
- 1) OWNER/APPLICANT: A.P. 26 LOT 23-2 MICHAEL D. MASSA 57 WEST MAIN ROAD LITTLE COMPTON, RI 02837
 - 2) THIS SITE LIES IN THE RESIDENTIAL (R) ZONING DISTRICT
 - 3) BIOLOGIST: APPLIED BIO-SYSTEMS, INC. PO BOX 985 WEST KINGSTON, RI 02892 401-284-2004
 - 4) THIS SITE DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD AREA AS SHOWN ON FEMA, FLOOD INSURANCE RATE MAP 440500116J, EFFECTIVE DATE 7/6/2021.

Survey Certification
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 435-RICR-00-00-1.9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON MAY 4, 2016 AS FOLLOWS:

TYPE OF BOUNDARY SURVEY: LIMITED CONTENT BOUNDARY SURVEY
MEASUREMENT SPECIFICATION: CLASS III
VERTICAL CONTROL STANDARD: V-3
TOPOGRAPHIC SURVEY ACCURACY: T-2

THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:
WETLANDS PERMIT FOR DRIVEWAY

BY: Patricia A. Kelly, PLS #1969 COA #734 9-16-22 DATE

- Maintenance Notes:**
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 VEGETATION SHALL OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED.
 4. GULLIES SHALL BE REPAIRED WHEN THEY OCCUR.
 5. FERTILIZER OR PESTICIDES SHALL NOT BE APPLIED TO PLANTS WITHIN RAIN GARDENS.
 6. SWALES SHALL BE INSPECTED ANNUALLY AND SHOULD BE INSPECTED AFTER LARGE STORM EVENTS.
 7. ERODED SIDE SLOPES AND CHANNEL BOTTOMS SHALL BE STABILIZED AS NECESSARY.

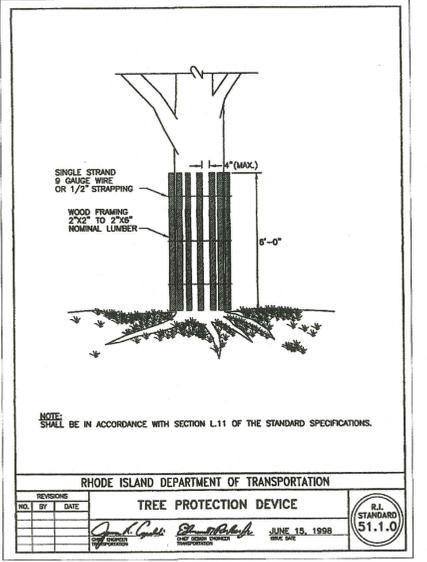
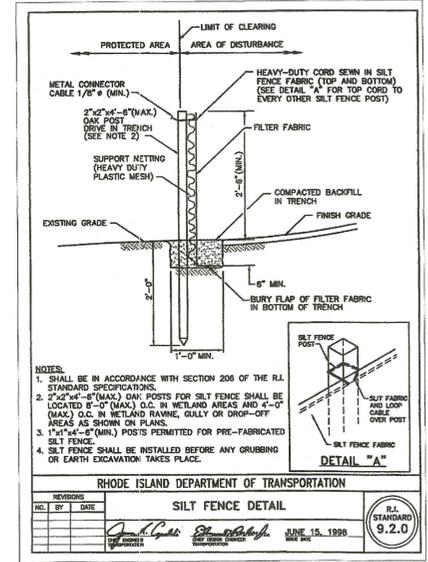
RAIN GARDEN DETAIL
14 FT. x 7 FT. x 8" DEEP - ROOF DRAIN COLLECTION

SEE THE RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT GUIDANCE FOR INDIVIDUAL SINGLE-FAMILY RESIDENTIAL LOT DEVELOPMENT

Rain Garden Plantings:

LATIN NAME	COMMON NAME	SIZE	SPACING
GRASSES / PERENNIALS			
FESTUCA OVINE GLAUCA	BLUE FESCUE	1 GAL	18" O.C.
PANICUM VIRGATUM	SWITCHGRASS	1 GAL	18" O.C.
PENNISETUM ALOPECUROIDES	FOUNTAIN GRASS	1 GAL	18" O.C.
RUBICECKIA HIRTA	BLACK EYED SUSAN	1 GAL	18" O.C.
SHRUBS			
CEPHALANTHUS OCCIDENTALIS	COMMON BUTTONBUSH		
COMPOTIA PEREGRINA	SWEET FERN		
LEDUM GROENLANDICUM	LABRADOR TEA		
PHOTINIA MELANOCARPA	BLACK CHOKERBERRY		

* FINAL PLANTINGS TO BE CHOSEN AND INSTALLED BY OWNER OR OWNER REPRESENTATIVE. REFERENCE THE RHODE ISLAND COASTAL PLANT GUIDE AT www.uri.edu/cals/coastalPlants/CoastalPlantGuide



- SOIL EROSION AND SEDIMENT CONTROL NOTES:**
1. SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
 2. ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDED OR PROTECTED.
 3. PLANTABLE SOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS, AND SHALL CONFORM WITH RHODE ISLAND'S STANDARD SPECIFICATIONS, AS AMENDED.
 4. THE NON-RESTORATION AREA MIX SHALL BE COMPRISED OF THE FOLLOWING:
TYPE LBS./ACRE
CREEPING RED FESCUE 75
KENTUCKY BLUE GRASS 15
COLONIAL BENT GRASS 5
PERENNIAL RYE GRASS 5
 5. EARLY SPRING OR LATE SUMMER SEEDING IS RECOMMENDED. LIME AND FERTILIZER AS REQUIRED BY SOIL TESTING TO COMPLEMENT OR UPGRADE EXISTING CONDITIONS. THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS BEFORE MIXING AND PLANTING WITH APPROPRIATE INOCULUM FOR EACH VARIETY. THE RECOMMENDED SEEDING DATES ARE APRIL 1ST THROUGH JUNE 15TH AND AUGUST 15TH THROUGH SEPTEMBER 30TH.
 6. TEMPORARY TREATMENTS SHALL CONSIST OF NORTH AMERICAN GREEN S150 EROSION CONTROL BLANKET OR EQUAL. THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
 7. ALL TEMPORARY EROSION PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
 8. ALL FILL SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
 9. STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR ANY WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 2:1 AND SHALL BE TEMPORARILY SEEDED OR STABILIZED.
 10. THE CONSTRUCTION SUPERINTENDENT SHALL HAVE THE OVERALL RESPONSIBILITY FOR PLAN IMPLEMENTATION AND FOR SEEING THAT THE APPROPRIATE WORKERS ARE AWARE OF THE PROVISIONS OF THE PLAN. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN A PERIOD OF SIX (6) MONTHS AND SHALL DO SO AT NO ADDITIONAL EXPENSE.
 11. MAXIMUM GRADED SLOPE TO BE 3:1 UNLESS NOTED OTHERWISE ON THE PLANS.
 12. REFERENCE THE "RHODE ISLAND EROSION AND SEDIMENTATION CONTROL HANDBOOK" PREPARED BY USDA SOIL CONSERVATION SERVICE AS A GUIDE.

