

LOCATION MAP

**REFERENCES**

1.) "PLAN OF SUBDIVISION IN WARWICK, RHODE ISLAND MAJOR POTTER HILLS FOR ROBERT A. CIOE PREPARED BY MARK W. HUTCHINS & ASSOCIATES SCALE: 1"=100' JANUARY 1984"

**NOTES**

- 1.) BEING A RE-PLAT OF LOTS 10,11, & 12 ON REF. #1
- 2.) BEARINGS ARE BASED ON THE RHODE ISLAND STATE PLANE COORDINATE SYSTEM OBTAINED BY LEICA GS 10 GPS
- 3.) THE PARCEL SHOWN HEREON LIES WITHIN ZONE X AS SHOWN ON FIRM 44003C0137H EFFECTIVE 9/18/2013
- 4.) THE BUILDINGS SHOWN HEREON WILL REQUIRE RELIEF FROM THE FRONT SETBACK AS DEFINED BY THE CITY OF WARWICK ZONING ORDINANCE.

**ZONING A-40**

MINIMUM LOT AREA 40,000 SQ.FT.  
 MINIMUM FRONTAGE 150 FEET  
 MINIMUM LOT WIDTH 150 FEET  
 BUILDING SETBACKS  
 FRONT 40 FEET  
 SIDE 30 FEET  
 REAR 40 FEET

**OWNER**

VALLEY BROOK PARTNERS INC.  
 12392 N. FALLEN SHADOW DR.  
 MARANA AZ 85658

**APPLICANT**

VALLEY BROOK PARTNERS, INC.  
 C/O CHRISTOPHER CIOE

**LEGEND**

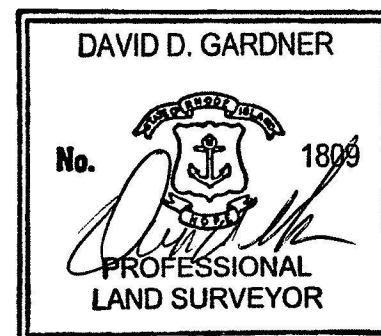
- REBAR
- DRILL HOLE
- BOUNDARY PROPERTY LINE
- STOCKADE FENCE
- EDGE OF PAVEMENT
- EXISTING CONTOUR LINE
- SEV# SOIL EVALUATION TEST HOLE
- WATER LINE
- WATER GATE
- UTILITY POLE
- DRAINAGE MANHOLE
- CATCHBASIN
- HYDRANT
- PROPOSED CONTOUR LINE
- WETLAND EDGE
- WETLAND FLAG
- PROPOSED PLANTINGS
- PROPOSED EROSION CONTROL
- LOD PROPOSED LIMIT OF DISTURBANCE (LOD)

**CERTIFICATION**

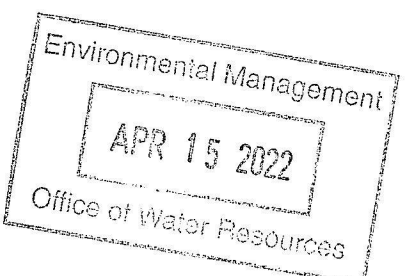
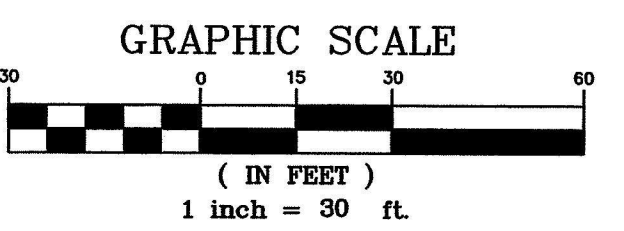
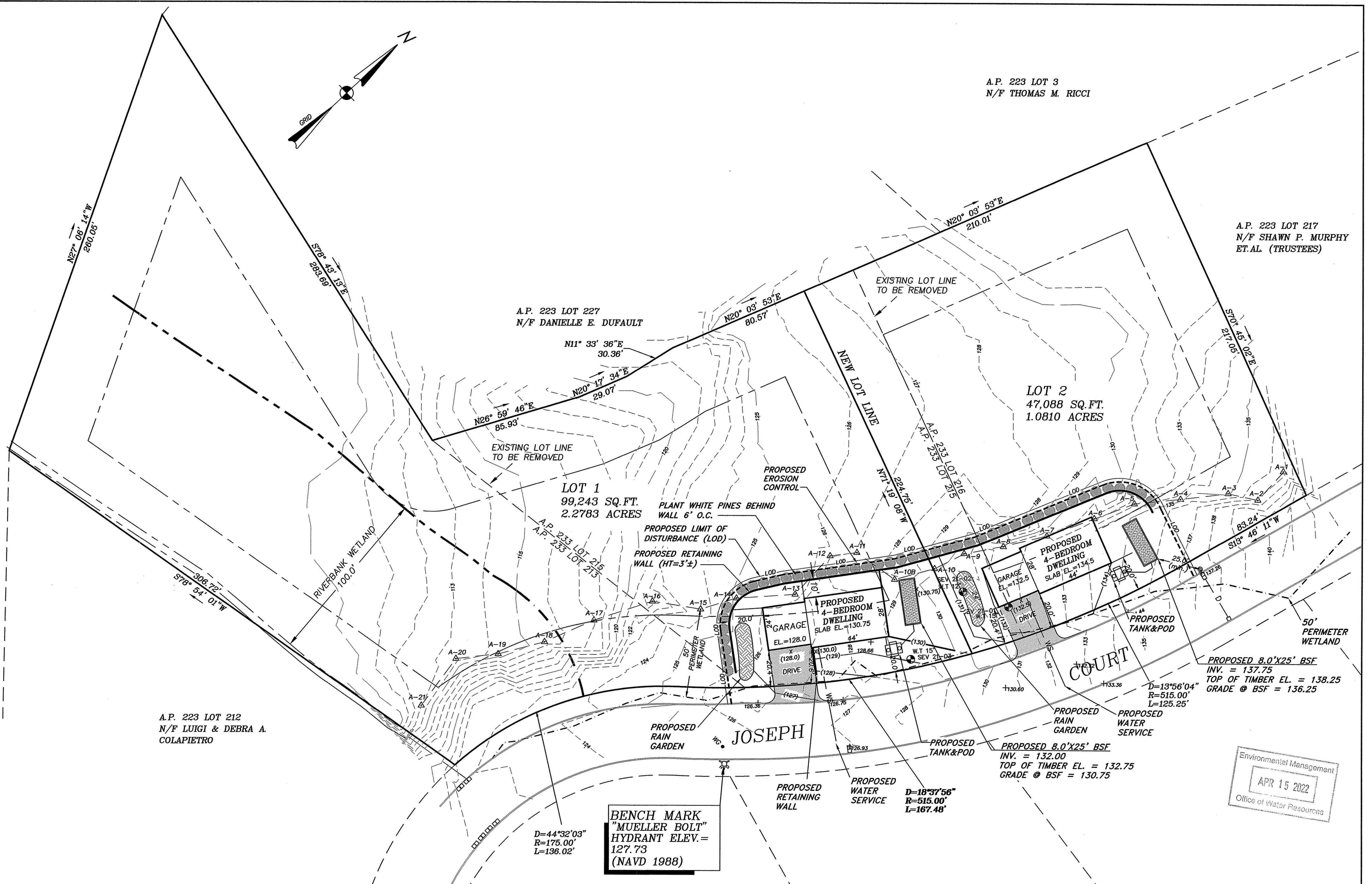
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO 435-RICR-00-00-1.9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS EFFECTIVE NOVEMBER 23, 2015 AND ARE AS FOLLOWS:  
 COMPREHENSIVE BOUNDARY SURVEY MEASUREMENT SPECIFICATION I  
 DATA ACCUMULATION SURVEY MEASUREMENT SPECIFICATION III  
 TOPOGRAPHIC SURVEY 7-1  
 THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:  
 EXISTING CONDITIONS PLAN FOR PROPOSED DEVELOPMENT

LOTS DEPICTED ON THIS PLAT SHALL NOT BE ALTERED DIMENSIONALLY OR IN FORM, INCLUDING THE ENLARGEMENT OF LOTS OR MOVING OF ANY LOT LINE FOR ANY PURPOSE WHATSOEVER, WITHOUT FIRST FILING A NEW SUBDIVISION APPLICATION IN ACCORDANCE WITH THE CITY OF WARWICK DEVELOPMENT REVIEW REGULATIONS OF DECEMBER 31, 1995

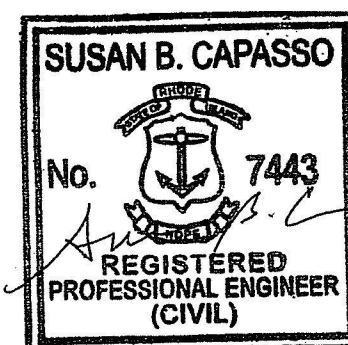
BY *David D. Gardner*  
 DAVID D. GARDNER PLS LICENSE NO. 1809  
 COA NO. A359



RIGL 34-19-1 INDEX  
 ADJUTING STREETS  
 JOSEPH COURT



DATE	PROJECT NO.
11/4/21	21-022
SCALE	DRAWING NO.
1"=30'	21-022 CRM
REVISIONS	DESIGNED BY
DEM Comments	D.D.G.
1/31/2022	DRAWN BY
	S.B.C.
	CHECKED BY
	D.D.G.
SHEET NO.	
1	
SHEET 1 OF 2	



**RIDEM WETLAND SUBMISSION**

**PROPOSED SITE PLAN**  
 MAJOR POTTER HILLS RE-PLAT  
 JOSEPH COURT  
 WARWICK, R.I.  
 A.P. 223 LOTS 213, 215, & 216  
 FOR  
 CHRISTOPHER CIOE  
**DAVID D. GARDNER & ASSOCIATES, INC.**  
 1 HOPE COURT  
 BARRINGTON, RHODE ISLAND 02806  
 (401) 738-3200 | FAX: (401) 739-4740  
 ENGINEERS • SURVEYORS • PLANNERS



**GENERAL CONSTRUCTION NOTES:**

- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN ANY AND ALL PERMITS REQUIRED BY THE STATE AND THE MUNICIPALITY IN WHICH WORK IS BEING PERFORMED PRIOR TO START OF ANY WORK.
- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO DOCUMENT EXISTING CONDITIONS OF SURROUNDING PROPERTIES AND TO MAINTAIN THE INTEGRITY OF THE SAME. ANY DAMAGE TO AND THE COST OF REPAIRS TO UTILITIES, ROADWAYS, STRUCTURES AND SURROUNDING PROPERTY SHALL BE FULLY BORNE BY THE CONTRACTOR.
- ALL WORKMANSHIP AND MATERIALS SHALL MEET OR EXCEED THE LATEST STANDARDS OF THE MUNICIPALITY, AND THE LATEST STATE STANDARDS AND SPECIFICATIONS PUBLISHED FOR ROAD AND BRIDGE CONSTRUCTION.
- CONTACT DUG-SAFE AND UTILITY COMPANIES FOR EXACT ON-SITE LOCATION OF EXISTING UNDERGROUND UTILITIES AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL OBTAIN REQUIRED INSPECTION SCHEDULE OF THE MUNICIPALITY, UTILITY COMPANIES AND ALL OTHER REQUIRED PARTIES AND SHALL STRICTLY ADHERE TO THOSE REQUIREMENTS.
- ALL CONTRACTORS SHALL ADHERE TO ALL CONDITIONS OF CONSTRUCTION APPROVALS AND SHALL KEEP A COPY OF ALL APPROVALS ON-SITE DURING CONSTRUCTION. CONTRACTOR SHALL READ ALL APPROVALS PRIOR TO START OF CONSTRUCTION AND SHALL CLARIFY ANY QUESTIONS BEFOREHAND.
- OIL ABSORBING PILLIOWS OR OTHER MEANS SHALL BE USED TO REMOVE ACCUMULATIONS OF HYDROCARBONS (OIL, GREASE) THAT ARE REGULARLY OBSERVED TO CONTAIN HYDROCARBONS, THAT DO NOT EVAPORATE BETWEEN INSPECTIONS.
- ANY REFUELING, GREASING OR ADJUSTMENTS OF CONSTRUCTION ANY REFUELING, GREASING OR ADJUSTMENTS OF CONSTRUCTION VEHICLES OR EQUIPMENT SHALL TAKE PLACE AT LEAST 100 FEET FROM WETLAND AREAS.
- ANY ON-SITE DISPOSAL OF SOLID WASTE, INCLUDING EARTH MATERIALS, SHALL OCCUR OUTSIDE RIDEM/RICM JURISDICTIONAL WETLANDS AND OUTSIDE OF THE CONSTRUCTION AREAS (UNLESS OTHERWISE DESIGNATED). ANY MATERIAL NOT RE-USED ON-SITE SHALL BE HAULED OFF-SITE TO AN AUTHORIZED, LEGAL LOCATION.
- ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INFORMED THAT THE CLEANING OF EQUIPMENT IS PROHIBITED IN AREAS WHERE THE WASH-WATER WILL DRAIN DIRECTLY TO WETLANDS.
- THE LOCATION AND DEPTH OF EXISTING UTILITIES HAVE BEEN PLOTTED FROM THE LATEST AVAILABLE INFORMATION. THE UTILITY LOCATIONS ARE APPROXIMATE AND MAY NOT BE ALL INCLUSIVE. THE CONTRACTOR SHALL CHECK AND VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, BOTH OVERHEAD AND UNDERGROUND, AND THE "DUG-SAFE" MUST BE NOTIFIED PRIOR TO COMMENCING ANY CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING (TRAD) ALL MATERIALS TO INCLUDE, BUT NOT BE LIMITED TO, TREES, STUMPS, UNSUITABLE MATERIAL, BITUMINOUS PAVEMENT, ETC.
- MATTING AS SPECIFIED BY ENGINEER OR ENVIRONMENTAL CONSULTANT IS TO BE PLACED ALONG ACCESS ROUTE FROM PAVED DRIVEWAY TO STAGING AREA FOR ANY EQUIPMENT MOVEMENT.
- ALL STORMWATER FACILITIES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MOST CURRENT VERSION OF RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL.

**EROSION AND SEDIMENTATION CONTROL CONSTRUCTION NOTES:**

- EROSION AND SEDIMENTATION (E&S) CONTROLS WILL BE INSTALLED PRIOR TO THE COMMENCEMENT OF WORK ALONG THE LIMITS OF DISTURBANCE (LOD) AS SHOWN ON THE SITE PLAN AND DETAILS.
- CRITICAL AREAS SUCH AS WETLAND AREAS, SLOPED AND STREAMS SHALL BE PROTECTED AS PER PLAN AND IN THE PRESENCE OF WETLANDS, PER THE CONDITIONS OF THE CRMC ASSESSMENT ORDER AND/OR RIDEM PERMIT.
- ALL E&S CONTROLS SHALL BE FULLY MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL VEGETATIVE STABILIZATION HAS BEEN ACHIEVED. E&S CONTROLS ARE TO BE INSPECTED WEEKLY AND IMMEDIATELY FOLLOWING ALL PRECIPITATION EVENTS THAT INCLUDE RAINFALL OF 1.0" OR MORE OR WHICH PRODUCES STORMWATER RUNOFF. UNDER NO CIRCUMSTANCE SHALL THE E&S CONTROLS BE COVERED WITH FILL MATERIAL. ANY FILL MATERIAL THAT IS PLACED ON OR AGAINST E&S CONTROLS SHALL BE IMMEDIATELY REMOVED.
- ALL FILTER SOCK (OR SILT FENCE AND/OR STRAW WATTLES) SHALL BE INSTALLED IN ACCORDANCE WITH THE RIDOT STANDARD DETAILS. ALL REFERENCED SOIL EROSION AND SEDIMENTATION CONTROLS, INCLUDING MATERIALS USED, APPLICATION RATES AND THE INSTALLATION PROCEDURES SHALL BE PERFORMED PER THE MOST CURRENT VERSION OF THE RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL HANDBOOK AND THE RHODE ISLAND STORMWATER INSTALLATION & DESIGN MANUAL, AS APPROPRIATE.
- ALL EXPOSED SLOPES, INCLUDING STOCKPILES OF MATERIAL, SHALL RECEIVE TEMPORARY SEDIMENTATION AND EROSION CONTROLS. THIS WILL INCLUDE LOAMING AND SEEDING, MULCHING, HAYMATS, ETC., TO STABILIZE THE AREA.
- ALL DRAINAGE STRUCTURES SHALL BE SURROUNDED BY HAYBALES TO PREVENT INFILTRATION OF SEDIMENTS.
- SHOULD SEDIMENTS ENTER A CRITICAL AREA (WETLAND, BUFFER AREA OR ABUTTING PROPERTY), THE CONTRACTOR SHALL IMMEDIATELY CLEAN AND RESTORE THE AFFECTED AREA.
- ALL DISTURBED SOILS, EITHER NEWLY CREATED, OR EXPOSED, PRIOR TO OCTOBER 15 OF ANY CALENDAR YEAR SHALL BE SEEDED OR PROTECTED BY THAT DATE. ANY AREAS THAT DO NOT HAVE ADEQUATE VEGETATIVE STABILIZATION BY NOVEMBER 15 OF THE SAME YEAR MUST BE STABILIZED BY INSTALLING EROSION CONTROL MATTING, HAY MULCH OR EQUIVALENT.
- THE CONTRACTOR IS RESPONSIBLE FOR PROPER EROSION CONTROL BOTH ON AND OFF-SITE AND SHALL UTILIZE EROSION CONTROL MEASURES WHERE NEEDED, REGARDLESS OF WHETHER THE CONTROLS ARE SPECIFIED ON THE SITE PLAN.
- TEMPORARY CONSTRUCTION ACCESS, CHECK DAMS AND STAGING AREAS WILL BE INSTALLED, THEN DETERMINED BASIN WILL BE EXCAVATED. AREAS WILL BE INSTALLED, THEN DETERMINED BASIN WILL BE EXCAVATED. ONCE EXCAVATED MATERIALS HAVE BEEN REMOVED.
- TEMPORARY CONSTRUCTION ACCESS, CHECK DAMS AND STAGING AREAS WILL BE REMOVED, THE AREAS OF DISTURBANCE WILL BE RESTORED IF NECESSARY. ONCE VEGETATION IS ESTABLISHED, EROSION CONTROL MATERIALS SHALL BE REMOVED FOR OFF-SITE DISPOSAL.

**SOIL STABILIZATION & PLANTING PROGRAM**

ACCEPTED PLANTING MATERIALS: LOAM - THE MATERIAL TO BE FURNISHED SHALL CONSIST OF LOOSE, FRABLE, SANDY LOAM OR LOAM TOPSOIL FREE OF A MIXTURE OF SUBSOIL, REFUSE, STUMPS, ROOTS, ROCKS, BRUSH, WEEDS AND OTHER MATERIAL WHICH WILL PREVENT THE FORMATION OF A SUITABLE SEED BED.

SEED MIXTURES - ALL LEGUME SEED SHALL BE INOCULATED WITHIN 24 HOURS BEFORE MIXING AND PLANTING WITH THE APPROPRIATE INOCULUM FOR EACH VARIETY. ALL INOCULA SHALL BE FRESH AND SHALL BE USED WITHIN THE DATE LIMIT PRESCRIBED BY THE MANUFACTURER.

FOR RELATIVELY FLAT SLOPES:

MIX	% BY WEIGHT
RED FESCUE - CHEWING'S PENNLAWN OR CREeping	70
KENTUCKY BLUEGRASS	15
COLONIAL BENTGRASS - ASTORIA OR EXETER	5
PERENNIAL RYEGRASS	10
- SEEDING RATE = 100 LBS. PER ACRE	

FOR STEEP SLOPES 3:1 OR GREATER:

MIX	% BY WEIGHT
RED FESCUE - PENNLAWN OR CREeping	75
PERENNIAL RYEGRASS	5
COLONIAL BENTGRASS - ASTORIA OR EXETER	5
BIRDSFOOT TREFLOIL - EMPIRE	15
- SEEDING RATE: 100 LBS. PER ACRE	

FOR SOIL WATERWAYS, DRAINAGE DITCHES, DRAINAGE BASINS:

MIX	% BY WEIGHT
CREeping RED FESCUE	50
TALL FESCUE OR REED CANARYGRASS*	50

\* USE REED CANARYGRASS WHERE MOWING IS NOT REQUIRED.

THE ACCEPTED PLANTING SEASON SHALL BE BETWEEN APRIL 1ST AND OCTOBER 15TH. CONTRACTOR SHOULD COORDINATE ON ALL DISTURBED AREAS. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF FOUR (4) INCHES OF LOAM ON AREAS UP TO 10% IN GRADE. ALL AREAS OVER 10% SHALL RECEIVE A MINIMUM OF SIX (6) INCHES.

REFERENCE IS HEREBY MADE TO THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (REVISED AUGUST 2014), PUBLISHED BY THE SOIL CONSERVATION SERVICE. THE GUIDELINES SHOWN THEREIN SHOULD BE INCORPORATED INTO THE CONSTRUCTION PRACTICES ON SITE.

**PROJECT NARRATIVE**

THE SUBJECT SITE IS LOCATED AT ON THE WESTERN SIDE OF JOSEPH COURT AND IS IDENTIFIED AS ASSESSOR'S PLAT 223 LOTS 213, 215 & 216 IN THE CITY OF WARWICK. THE PROPERTY CONTAINS 3.3593 ACRES OF UPLAND VACANT LAND THAT GENTLY SLOPES FROM JOSEPH COURT, THE EASTERN SIDE OF THE LOTS, TO THE WEST SIDE OF THE LOTS WHICH CONSISTS OF A FORESTED WETLAND AS DELINEATED ON THE SITE PLAN.

THE APPLICANT IS PROPOSING TO RE-SUBDIVIDE THE EXISTING THREE (3) LOTS INTO TWO (2) LOTS AND CONSTRUCT A SINGLE FAMILY DWELLING WITH AN ATTACHED GARAGE (1,808 SF) AND PROPOSED RAIN GARDEN TO TREAT STORMWATER RUN-OFF FOR WATER QUALITY ON EACH LOT.

**CONSTRUCTION SEQUENCE**

- THE PROPOSED LAND DISTURBANCE AND CONSTRUCTION WILL BE COMPLETED IN THE FOLLOWING PHASES:
- INSTALL ALL EROSION & SEDIMENT (E&S) CONTROL MEASURES ON SITE AND OFF SITE IF NECESSARY.
- CLEAR PROPERTY; STRIP, REMOVE AND STOCKPILE TOPSOIL TO DESIGNATED PROTECTED AREA.
- EXCAVATE AREA FOR FOUNDATION; STOCKPILE MATERIAL TO DESIGNATED PROTECTED AREA.
- POUR FOUNDATION, INSTALL SITE UTILITIES, OWTS AND STORMWATER FACILITIES.
- RE-GRADE, RE-LOAM & SEED SITE AND COMPLETE FINAL SITE LANDSCAPING.
- CHECK & MAINTAIN ALL E&S CONTROL MEASURES THROUGHOUT CONSTRUCTION OF PROJECT. ONLY REMOVE WHEN SITE HAS BEEN STABILIZED AND ALL FINAL LANDSCAPING IS COMPLETE.

**GENERAL LANDSCAPING NOTES:**

- ALL DISTURBED AREAS ARE TO BE REVEGETATED AS SOON AS POSSIBLE. ALL BANKS AND SLOPING AREAS ARE TO RECEIVE A MINIMUM OF 6" OF CLEAN TOPSOIL, THEN SEED AND FERTILIZE. LEVEL AREAS TO RECEIVE 4" MIN. OF CLEAN TOPSOIL, SEED AND FERTILIZE.
- SEED AND SOIL SHALL CONSIST OF A BLEND OF KENTUCKY BLUE GRASSES. PLANT BY SUPPLIERS SPECIFICATIONS.
- LIME SHALL BE APPLIED AS NECESSARY.
- USE OF HAY OR STRAW MULCH DURING SLOPE STABILIZATION IN CONJUNCTION WITH TEMPORARY SEEDING. APPLY MULCH AT A RATE OF 75 TO 100 LBS. PER 1000 SQUARE FEET.
- CONTRACTOR TO MAINTAIN TREE REMOVAL AT A MINIMUM.
- STOCKPILE ALL STRIPPED TOPSOIL FOR LATER USE. THE LOCATION IS TO BE APPROVED BY THIS ENGINEER. MULCH AND TEMPORARY SEED THE STOCKPILE.
- REMOVE ALL ROCKS 3" OR LARGER PLANTING AREA.
- ALL CLEARING SHALL CONFORM TO THE LIMITS AS SHOWN ON PLANS. CLEARING LIMITS ARE TO BE MARKED IN THE FIELD BY THE ENGINEER.

**STORMWATER MANAGEMENT DESIGN CALCULATIONS**

AREAS REQUIRED FOR WATER QUALITY VOLUME (WQV):

- HOUSE/ATTACHED GARAGE = 1,808 SF

WQV REQUIRED = 1,808 SF X 1" = 151 CF

PROPOSED RAIN GARDEN AREA = 225 SF; 8" DEEP

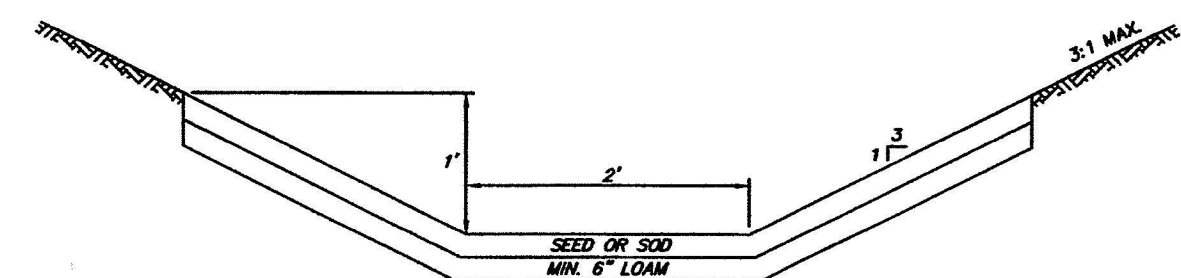
THE WATER QUALITY DESIGN IS BASED ON RECOMMENDATIONS AND PROCEDURES AS DEFINED AND AS REQUIRED IN MINIMUM STANDARD 11, IN THE LATEST RHODE ISLAND STORMWATER DESIGN AND INSTALLATION MANUAL (RIDSM).

THE RECOMMENDATIONS AND GUIDELINES OF THE RIDSM AND THE LATEST RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK SHOULD BE INCORPORATED INTO THE CONSTRUCTION PRACTICES ON SITE.

**RAIN GARDEN MAINTENANCE NOTES**

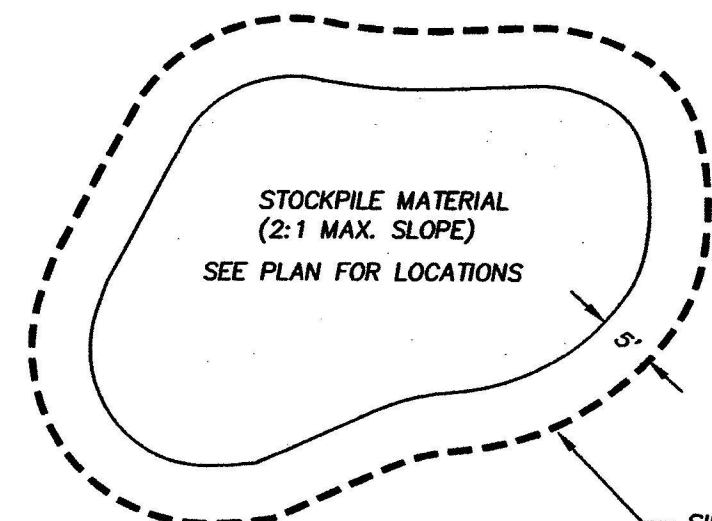
- Inspect new rain garden after the first two rain storms of 1.0 inch or more.
- For first 3 years rain garden must receive 1 inch of water per week including rainfall and new trees and shrubs must be watered weekly so that soil to depth of roots is moist.
- Remove weeds and invasive plants.
- Do not use fertilizers or pesticides on plants in rain garden.
- Remove trash, organic debris, and pet waste from within and around gardens, including from flow channels if any are present.
- If mowing nearby turf direct cuttings away from gardens. Weed-whack around inlet and outlet structures.
- Check for standing water lasting over 48 hours after a storm event, indicating clogged surface layer. Remove top few inches of surface material and replace with fresh soil mixture and shredded non-dyed hardwood mulch.\*
- Remove sediment build-up in rain garden and at inlets & outlets when it exceeds 1.0 inch.\*
- Remove and replace perennials as needed with approved native plants to maintain ground cover. Annuals may be used if desired. In the early spring cut back dead plant material to 1/3 of its height.
- Prune or replace woody shrubs and trees when vegetation is dead or dying.
- Repair soil erosion gullies throughout rain garden, around inflow & outflow areas.
- Replenish mulch as needed.\*
- Repair erosion on all areas contributing stormwater to rain garden.
- Fill in animal burrows within or near rain gardens.
- Repair signage if faded, or tagged, and replace if missing.

RI Environmental Management  
APR 15 2022  
Office of Water Resources

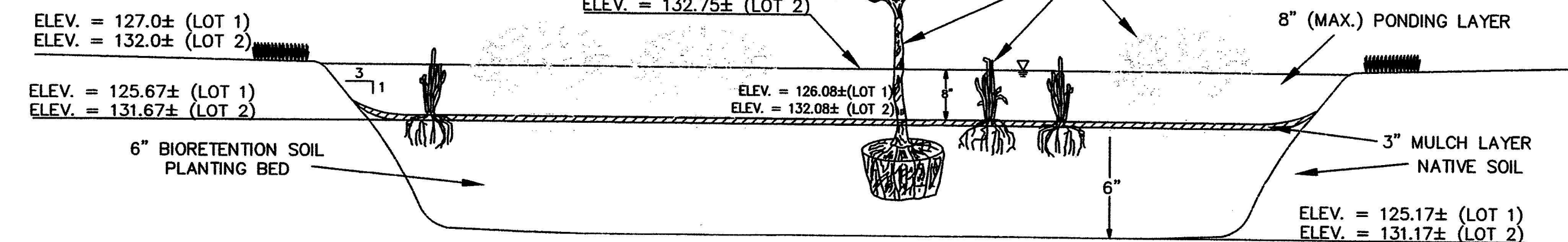


- NOTES:**
- SWALE SEEDING SHALL BE AN EQUAL MIXTURE OF CREEPING RED FESCUE & TALL FESCUE.
  - SLOPES AND OTHER AREAS SHALL BE LOAMED AND SEEDED AS PER THE SOIL STABILIZATION AND PLANTING PROGRAM LISTED ON THIS SHEET.
  - SWALE AREA TO BE PROTECTED WITH TEMPORARY EROSION CONTROL MATTING TO BE INSTALLED AS PER THE MANUFACTURER'S INSTRUCTIONS.

**GRASSED SWALE**  
NOT TO SCALE



**STOCKPILE PROTECTION DETAIL**  
NOT TO SCALE



**BIORETENTION AREA (RAIN GARDEN) - TYPICAL CROSS-SECTION**  
NOT TO SCALE

**BIORETENTION AREA PLANTING NOTES:**

THE FOLLOWING IS A LIST OF POTENTIAL BIORETENTION AREA PLANTINGS. A FULL PLANTING DETAIL SHALL BE PROVIDED FOR FINAL DESIGN REVIEW PER LANDSCAPER.

(PLANT SPECIES BELOW WERE SELECTED FROM THE RHODE ISLAND COASTAL PLANT GUIDE PREPARED BY THE URI CELS AND RI CRMC. ONLY THOSE NATIVE PLANTS THAT ARE SUITABLE FOR RAIN GARDENS AND ARE TOLERANT OF WET SITES AND SHADE ARE SHOWN HERE.)

SPECIES	COMMON NAME	PLANT TYPE
<i>Ilex opaca</i>	AMERICAN HOLLY	TREE
<i>Iris versicolor</i>	BLUE FLAG	PERENNIAL
<i>Carex stricta</i>	TUSSOCK SEDGE	GRASS
<i>Cephalanthus occidentalis</i>	COMMON BUTTONBUSH	SHRUB
<i>Comptonia peregrina</i>	SWEET FERN	SHRUB
<i>Cornus racemosa</i>	GRAY DOGWOOD	SHRUB
<i>Ilex glabra</i>	INKBERRY HOLLY	SHRUB
<i>Ilex verticillata</i>	WINTERBERRY HOLLY	SHRUB
<i>Lindera benzoin</i>	SPICEBUSH	SHRUB
<i>Photinia melanocarpa</i>	BLACK CHOKEBERRY	SHRUB
<i>Photinia pyrifolia</i>	RED CHOKEBERRY	SHRUB
<i>Rhododendron viscosum</i>	SWAMP AZALEA	SHRUB
<i>Vaccinium corymbosum</i>	HIGHBUSH BLUEBERRY	SHRUB
<i>Viburnum dentatum</i>	ARROWWOOD	SHRUB

TREES SHALL BE PLANTED WITH A DENSITY OF NO MORE THAN ONE PER 250 SF. SPACED 15 FT ON CENTER. SHRUBS SHALL BE PLANTED 5-10 FT ON CENTER AND HERBACEOUS VEGETATION PLANTED 2.5 FT ON-CENTER.

BIORETENTION AREA LOCATED AT LEAST 10 FT FROM BUILDING FOUNDATION, 15 FT FROM EXIST. OWTS AND 25 FT FROM ANY WELL OR WATER SUPPLY.

ROOF GUTTER DOWNSPOUTS SHALL DIRECT WATER TO BIORETENTION AREA VIA UNDERGROUND PIPING OR OVERLAND WHERE UNDERGROUND PIPING IS UNFEASIBLE OR NOT PERMISSIBLE.

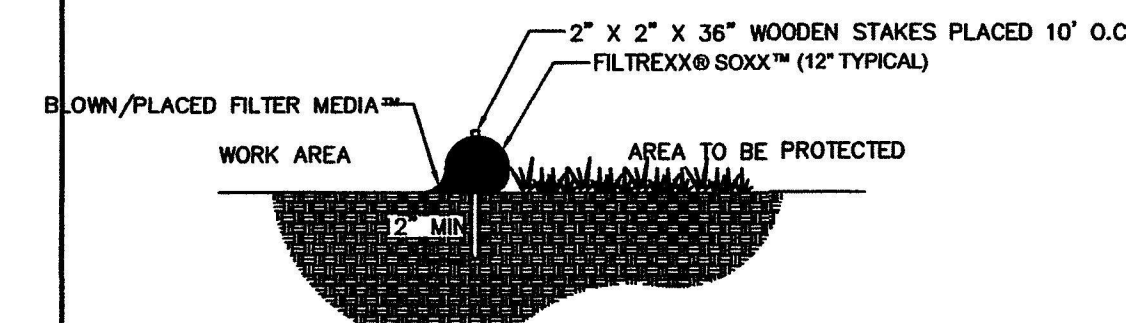
SUSAN B. CAPASSO  
No. 7443  
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

**RIDEM WETLAND SUBMISSION**

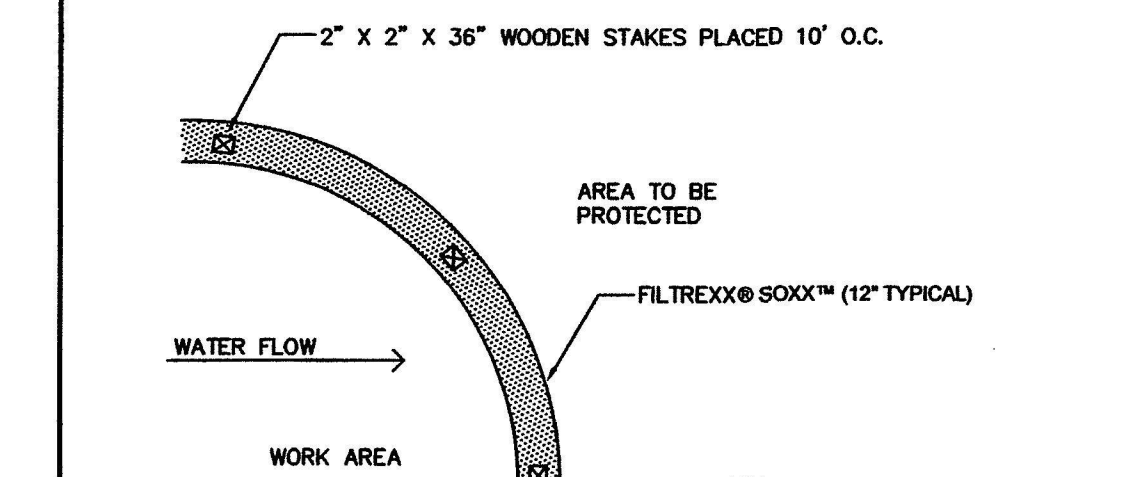
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AS NOTED	21-022 CRMC
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1/31/2022	DRAWN BY
	S.B.C.
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SHEET NO.	
2	
SHEET 2 OF 2	



**SECTION HTS**



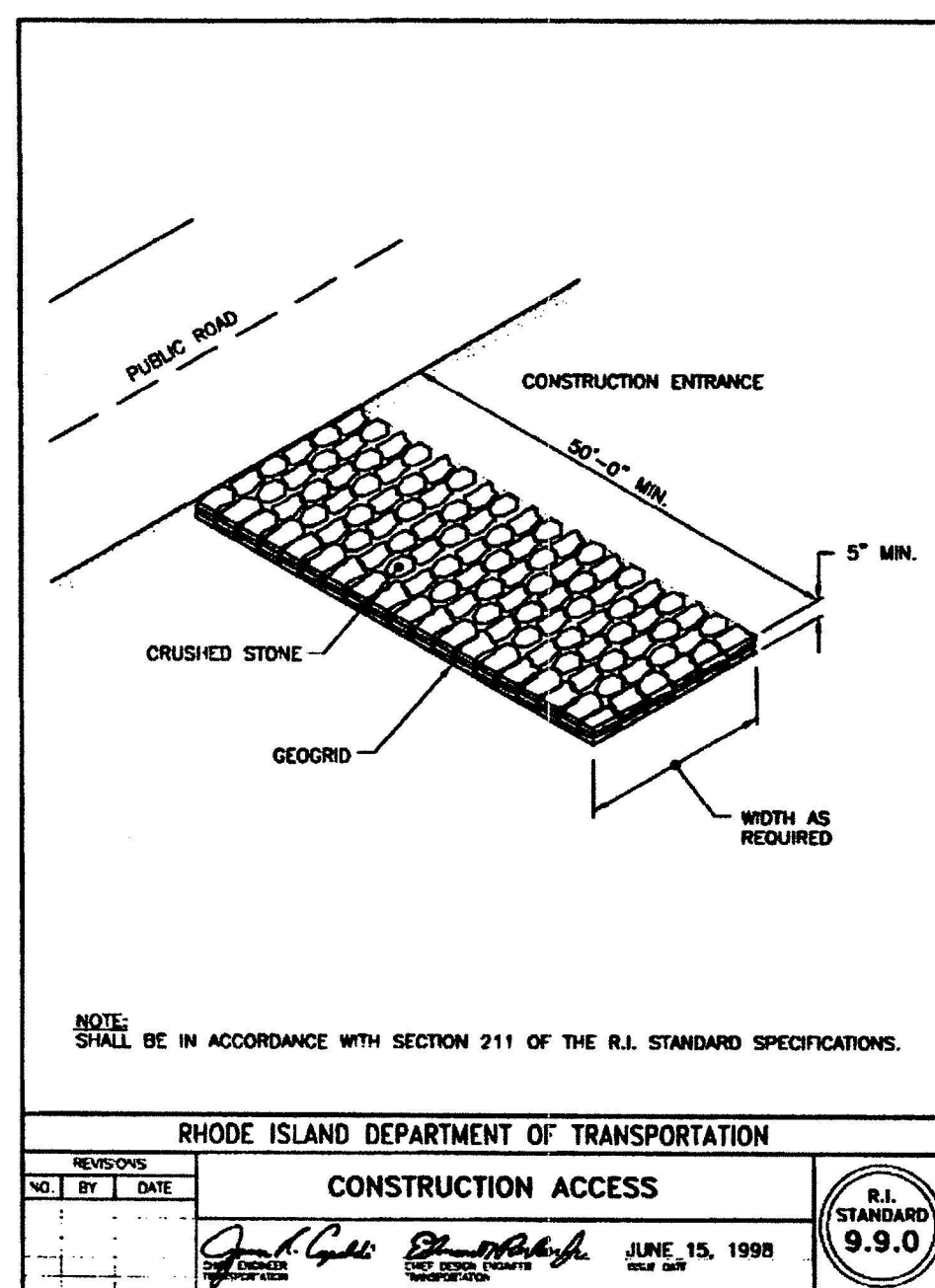
**PLAN HTS**

- NOTES:**
- ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
  - FILTER MEDIA™ FILL TO MEET APPLICATION REQUIREMENTS.
  - COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

**FILTREXX® SEDIMENT CONTROL**  
NTS

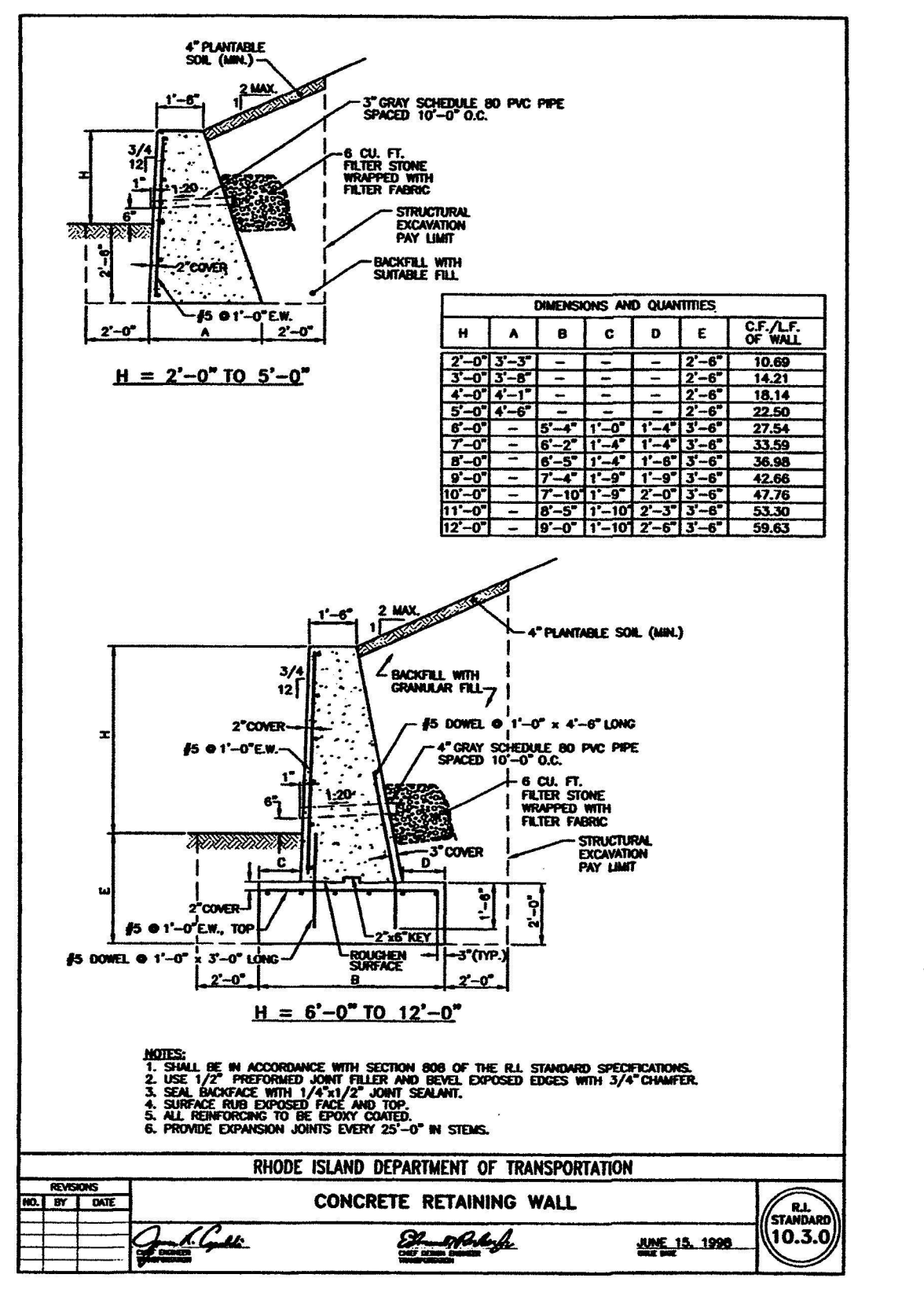
**FILTER SOCK NOTES**

- Soxx™ shall meet Filtrexx Soxx™ Specifications and use Filtrexx GrowingMedia™.
- Contractor is required to be a Filtrexx Certified™ Installer.
- Soxx™ must be installed and stabilized before flow is allowed from culverts and storm outlets.
- Land surface shall be cleared of debris, including rocks, roots, large clods, and sticks prior to Soxx™ installation.
- Channel bed shall be made smooth prior to installation of Soxx™.
- Soil bed may be lightly compacted and graded prior to installation.
- The upslope end of the Soxx™ shall be installed under the lip of the culvert or outlet drain to ensure initial storm flow contact is on top of the Soxx™, not under or in front of the system.
- Soxx™ shall be placed parallel to water flow, where socks are tightly abutted to prevent water seepage between and underneath the Soxx™.
- Once in place, Soxx™ shall be lightly compacted and abutting edges leveled to tighten seal between socks and encourage even water flow over Soxx™ system.
- Stakes shall be installed through the middle of the Soxx™ on 10 ft (3m) centers, using 2 in. (50mm) by 2 in. (50mm) by 3 ft (1m) wooden stakes. Top of stakes should be cut off, leaving 3 in. (75mm) above the top of the Soxx™.
- Soxx™ may be seeded at the time of application, seed selection will be determined by the Engineer.



**CONSTRUCTION ENTRANCE DETAIL NOTES:**

- CONSTRUCTION ENTRANCE DEPTH SHALL BE A MINIMUM OF 5" THICK.
- CONSTRUCTION ENTRANCE WIDTH SHALL BE THE AT LEAST THE FULL WIDTH OF THE INGRESS/EGRESS ACCESS POINT.
- CONSTRUCTION ENTRANCE LENGTH SHALL BE A MINIMUM OF 50'.
- AGGREGATE SIZE SHALL BE RIDOT 2" CRUSHED STONE OR GRAVEL.
- DETAIL BASED ON RHODE DEPARTMENT OF TRANSPORTATION DETAIL, R.I. STANDARD 9.9.0 CONSTRUCTION ACCESS AND RIDOT STANDARD STANDARD SPECIFICATIONS, SECTION 211, CONSTRUCTION ACCESS.



**CONCRETE RETAINING WALL**  
R.I. STANDARD 10.3.0