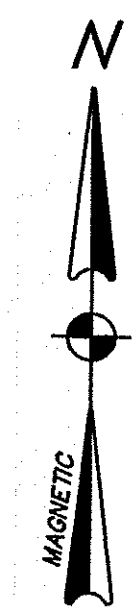
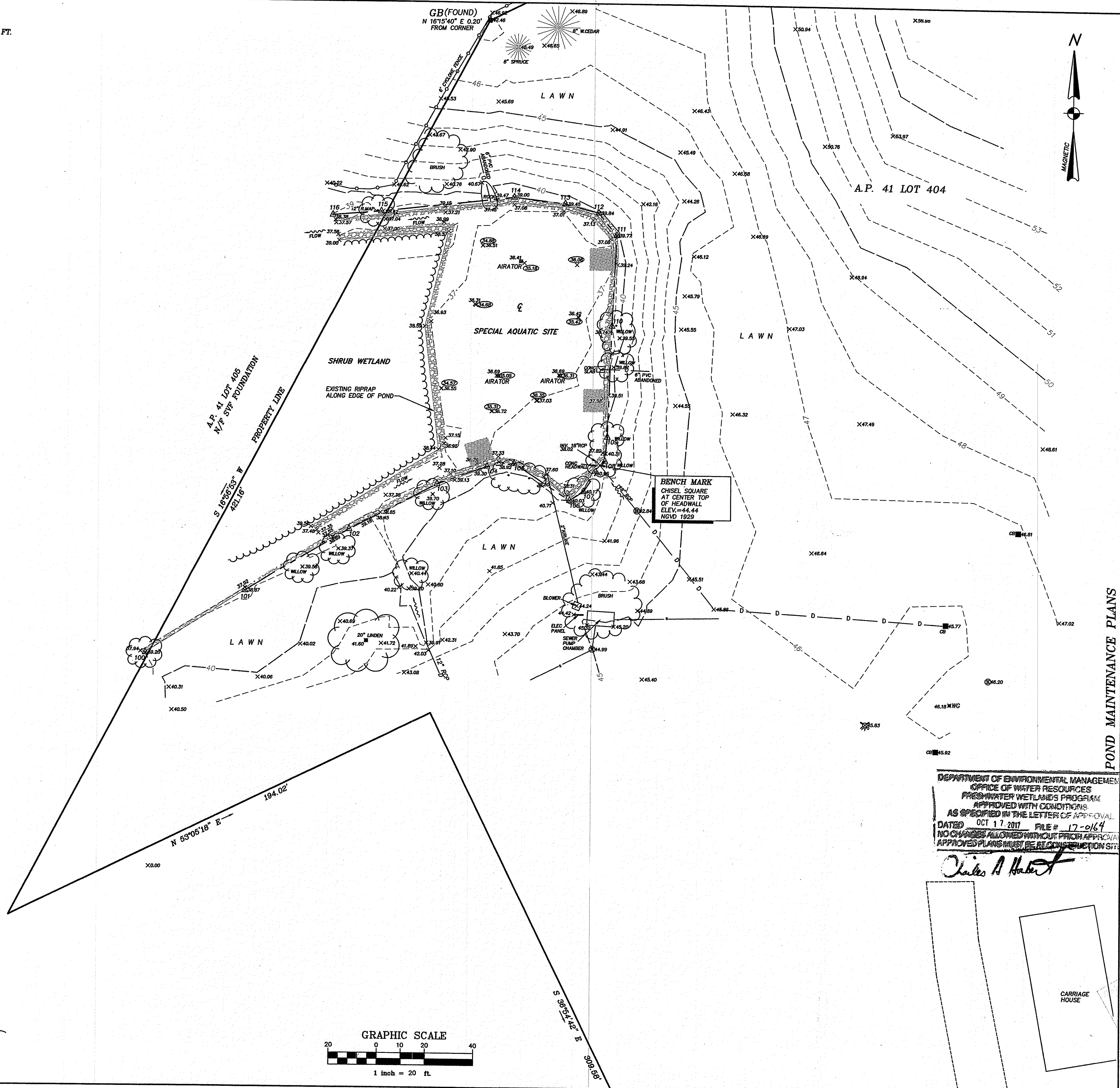


LOCATION MAP

LEGEND

- EDGE OF BRUSH
- CYCLONE FENCE
- WATER MAIN
- ELECTRIC
- EXISTING CONTOUR
- WETLAND EDGE
- UTILITY POLE
- DRAINAGE MANHOLE
- CATCHBASIN
- SANITARY SEWER MANHOLE
- HYDRANT
- GATE VALVE
- APPROX. BOTTOM OF MUCK ELEV.
- WETLAND FLAG

ZONING R-160
 MINIMUM LOT SIZE 160,000 SQ.FT.
 MINIMUM LOT WIDTH 400 FEET
 MINIMUM SETBACK REQUIREMENTS
 FRONT 100 FEET
 SIDE 50 FEET
 REAR 50 FEET



NOTES

- 1.) THE PARCELS SHOWN HEREON ARE NOT WITHIN THE 1% ANNUAL CHANCE FLOODPLAIN BOUNDARY AS SHOWN ON FIRM NO. 44005C0179J MAP REVISED SEPTEMBER 4, 2013.
- 2.) WETLANDS SHOWN HEREON WERE FLAGGED BY MASON & ASSOCIATES, INC. DEC. 2016

REFERENCES

- 1.) TOPOGRAPHICAL SURVEY IN NEWPORT, RHODE ISLAND FOR EDGEHILL NEWPORT SCALE 1"=40' NOV. 1989 BY MARK W. HUTCHINS & ASSOCIATES, INC.

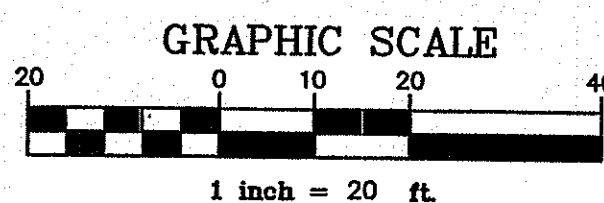
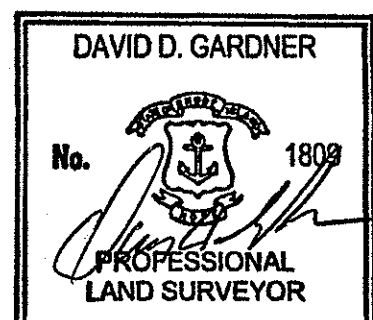
OWNER/APPLICANT

CAROL C. BALLARD
 5030 GREEN TREE ROAD
 HOUSTON, TEXAS 77056
 SEE L.E. VOLUME 705 PAGE 426

CERTIFICATION

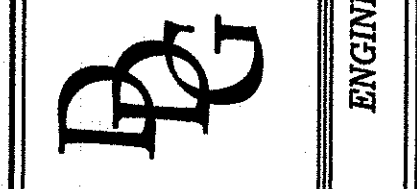
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS EFFECTIVE JANUARY 1, 2016, AS FOLLOWS:
 TOPOGRAPHIC SURVEY T-1
 THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:
 EXISTING CONDITIONS PLAN FOR PROPOSED POND MAINTENANCE

BY DAVID D. GARDNER PLS LICENSE NO. 1809
 COA NO. A359



DATE	REVISIONS

DAVID D. GARDNER & ASSOCIATES, INC.
 200 METRO CENTER BOULEVARD
 WARWICK, RHODE ISLAND 02886
 (401) 739-3200 | FAX: (401) 739-4740

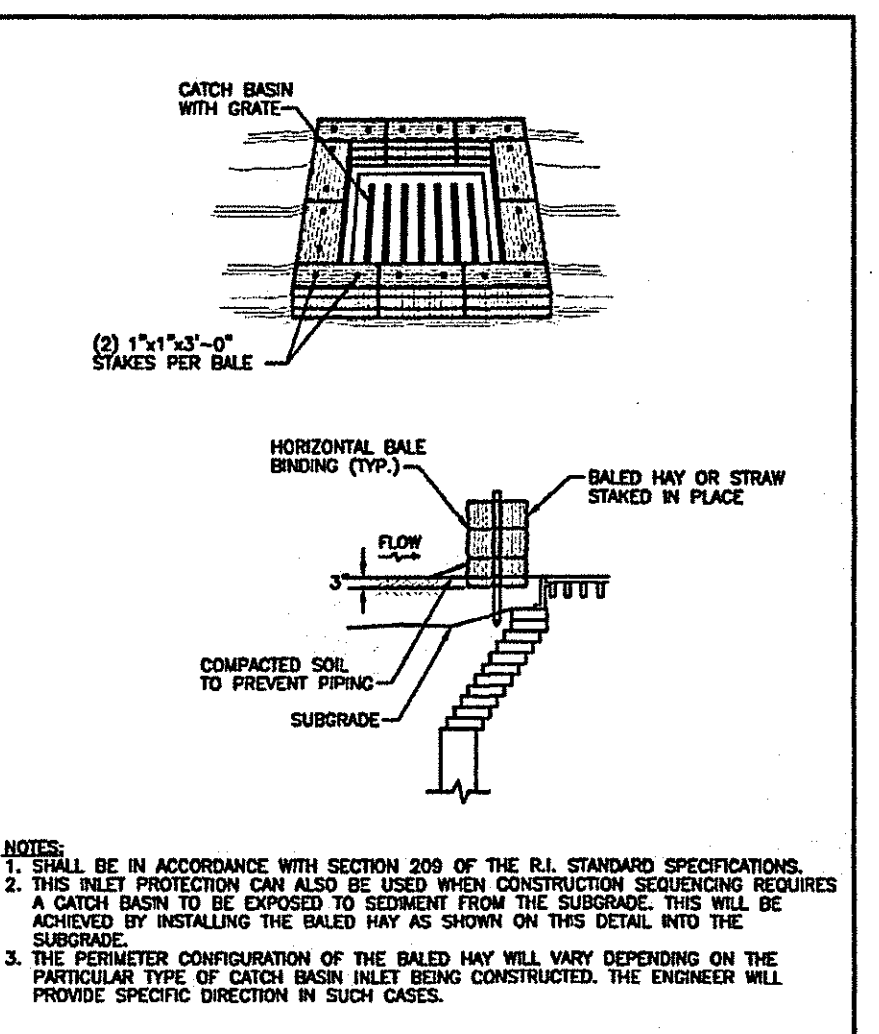
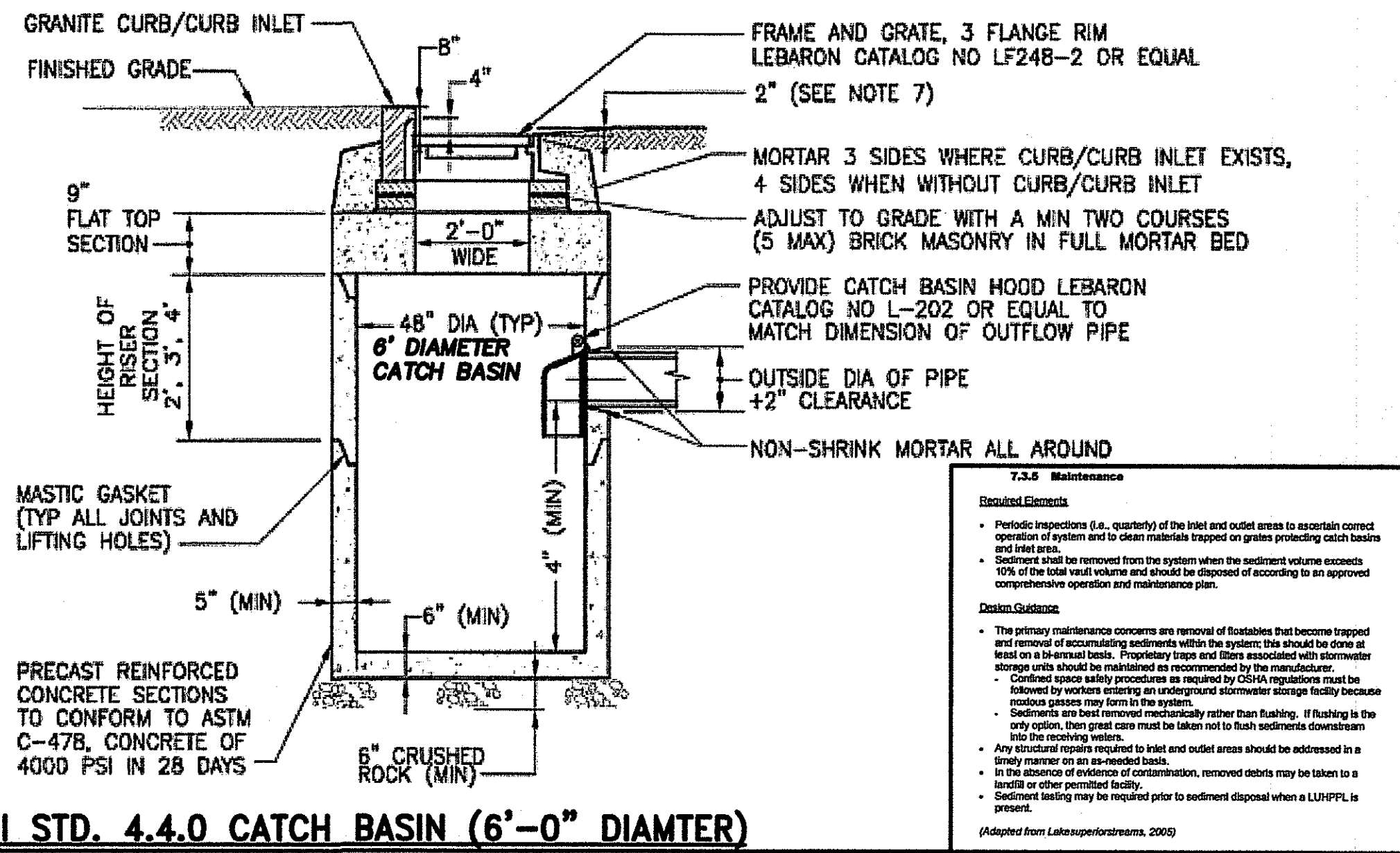


POND MAINTENANCE PLANS
 EXISTING CONDITIONS
 IN
 NEWPORT, R.I.
 FOR
 LESLIE B. HULL, A.L. BALLARD
 & BALLARD PROPERTIES LP
 A.P. 41 LOT 404

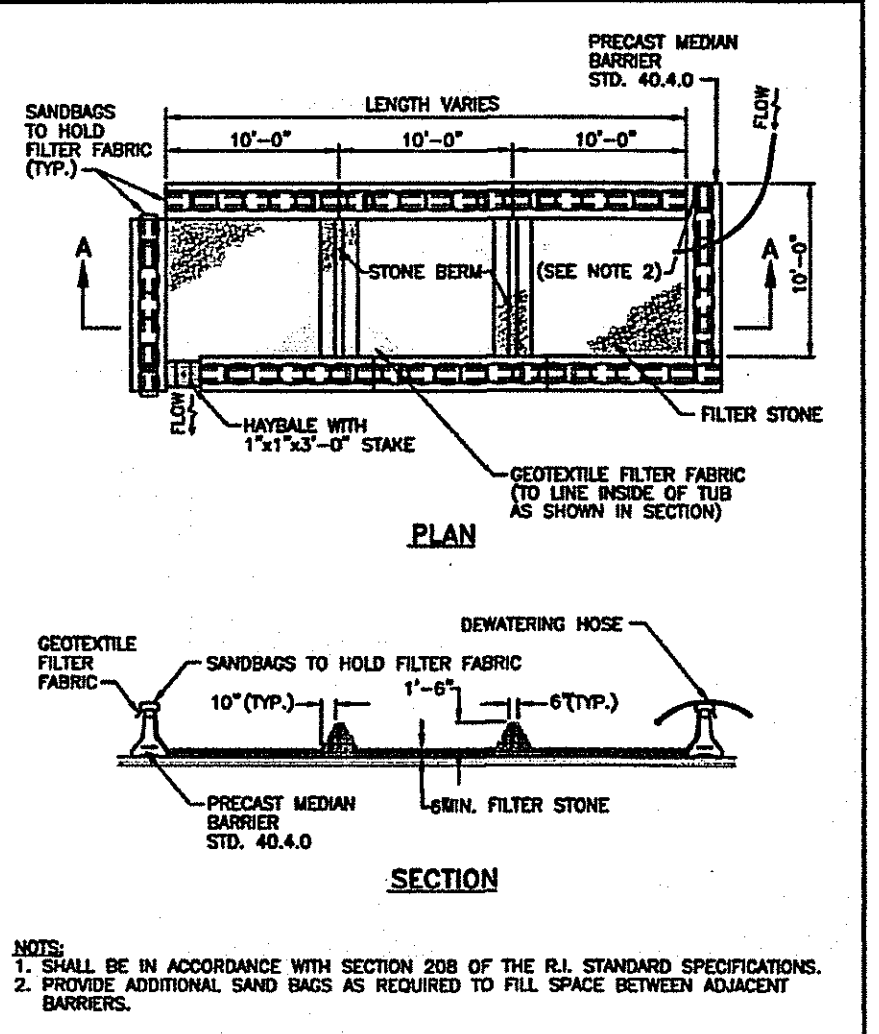
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED OCT 17 2017 FILE # 17-0164
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

DATE ISSUED: 6/1/17
 SCALE: 1"=20'
 DESIGNED BY: D.D.G.
 DRAWN BY: S.B.C.
 CHECKED BY: D.D.G.
 JOB NO.: 16-076
 DWG NO.: 16076 MAINT.PLAN

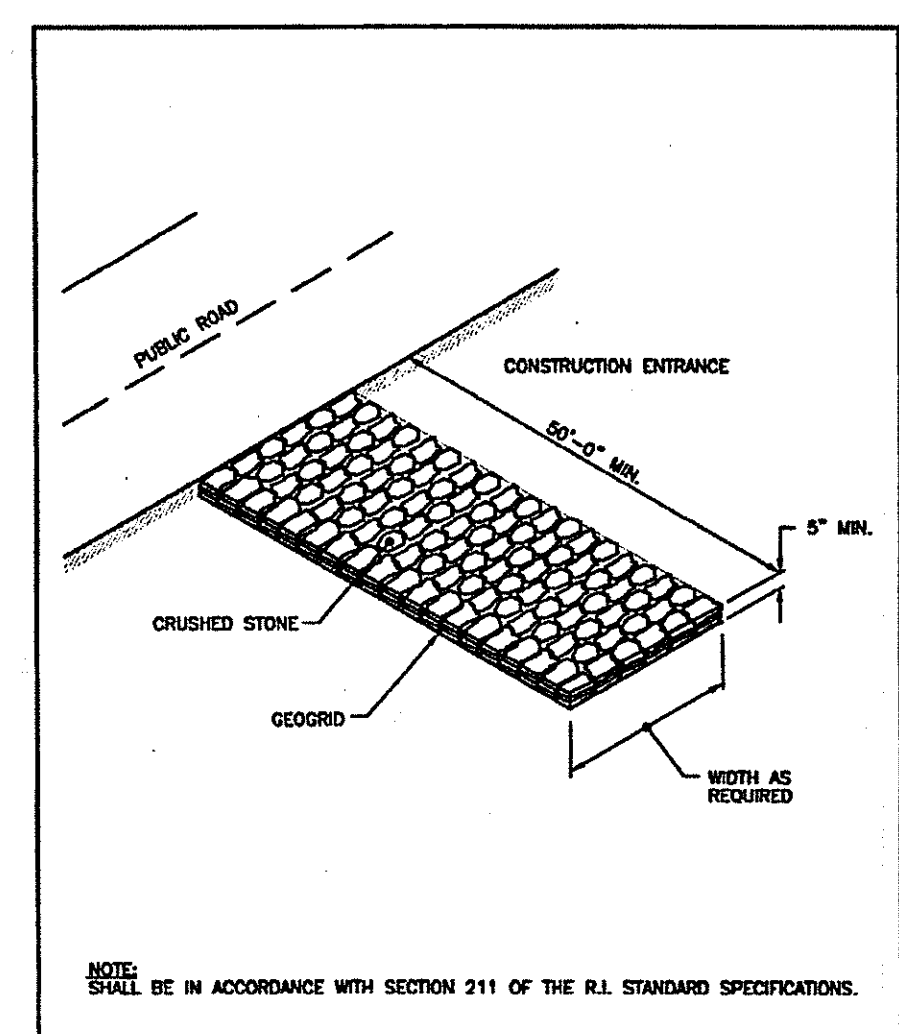
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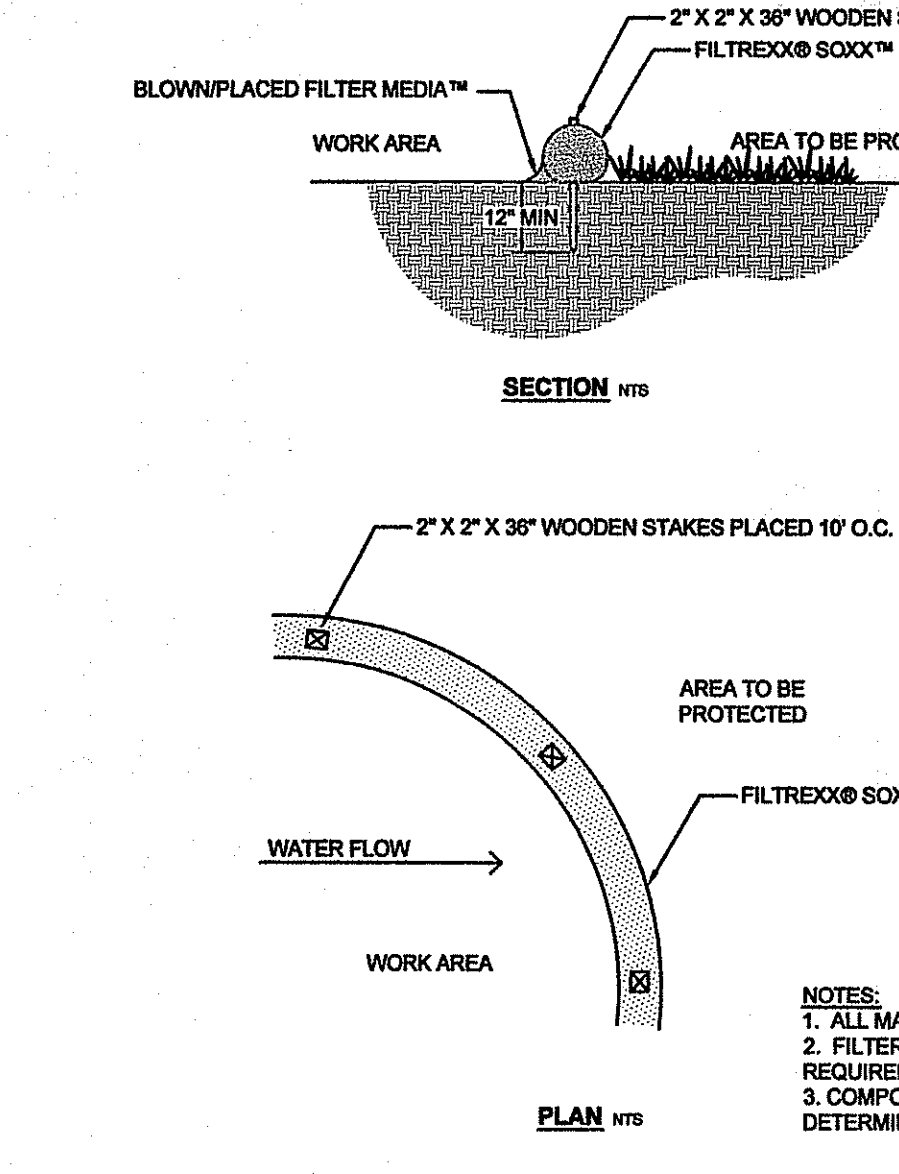
RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO. 15	DATE: JUNE 15, 1988
BALED HAY CATCH BASIN INLET PROTECTION	
R.I. STANDARD 9.8.0	



RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO. 15	DATE: JUNE 15, 1988
DEWATERING BASIN	
R.I. STANDARD 9.7.0	



RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO. 15	DATE: JUNE 15, 1988
CONSTRUCTION ENTRANCE	
R.I. STANDARD 9.9.0	



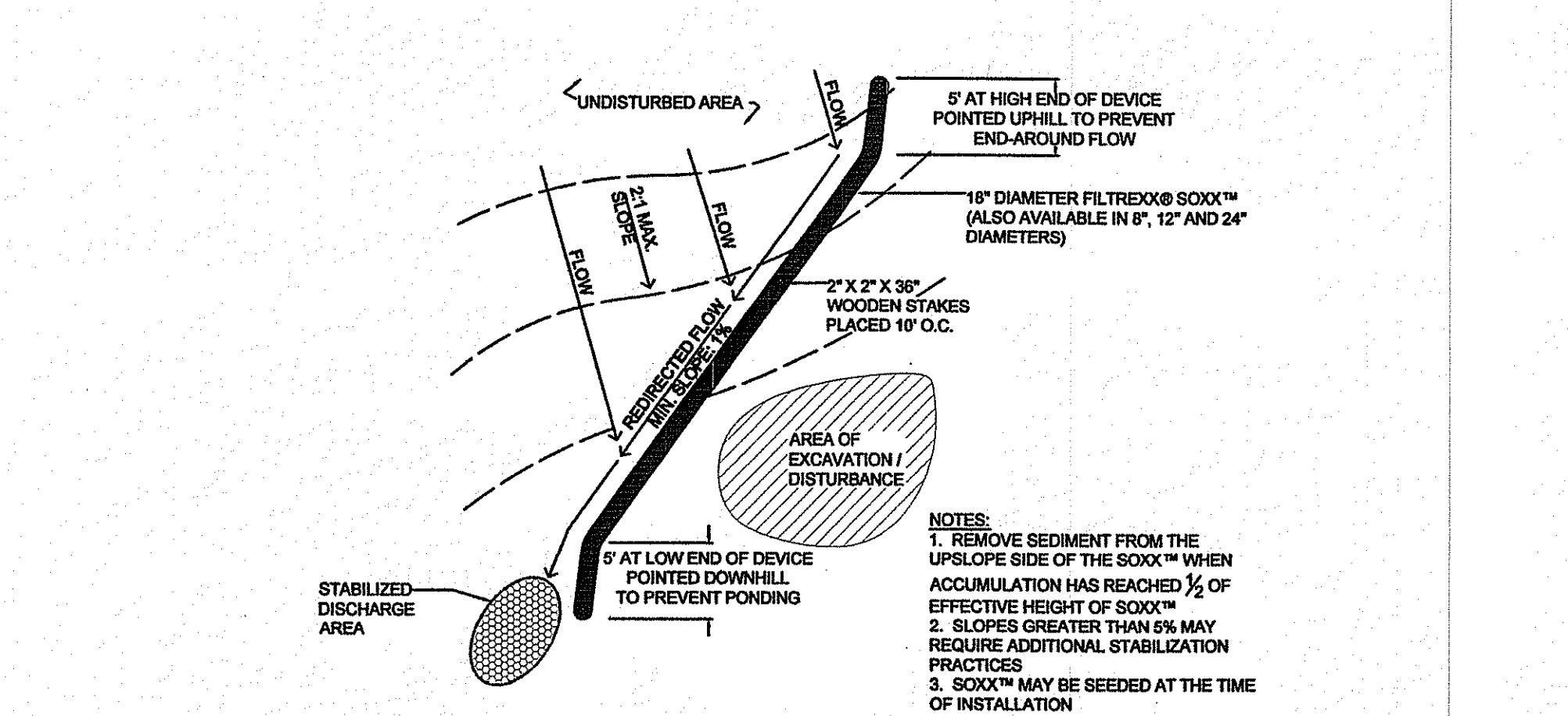
RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO. 15	DATE: JUNE 15, 1988
PYRAMID INSTALLATION SECTION	
R.I. STANDARD 9.7.0	

GENERAL CONSTRUCTION NOTES:

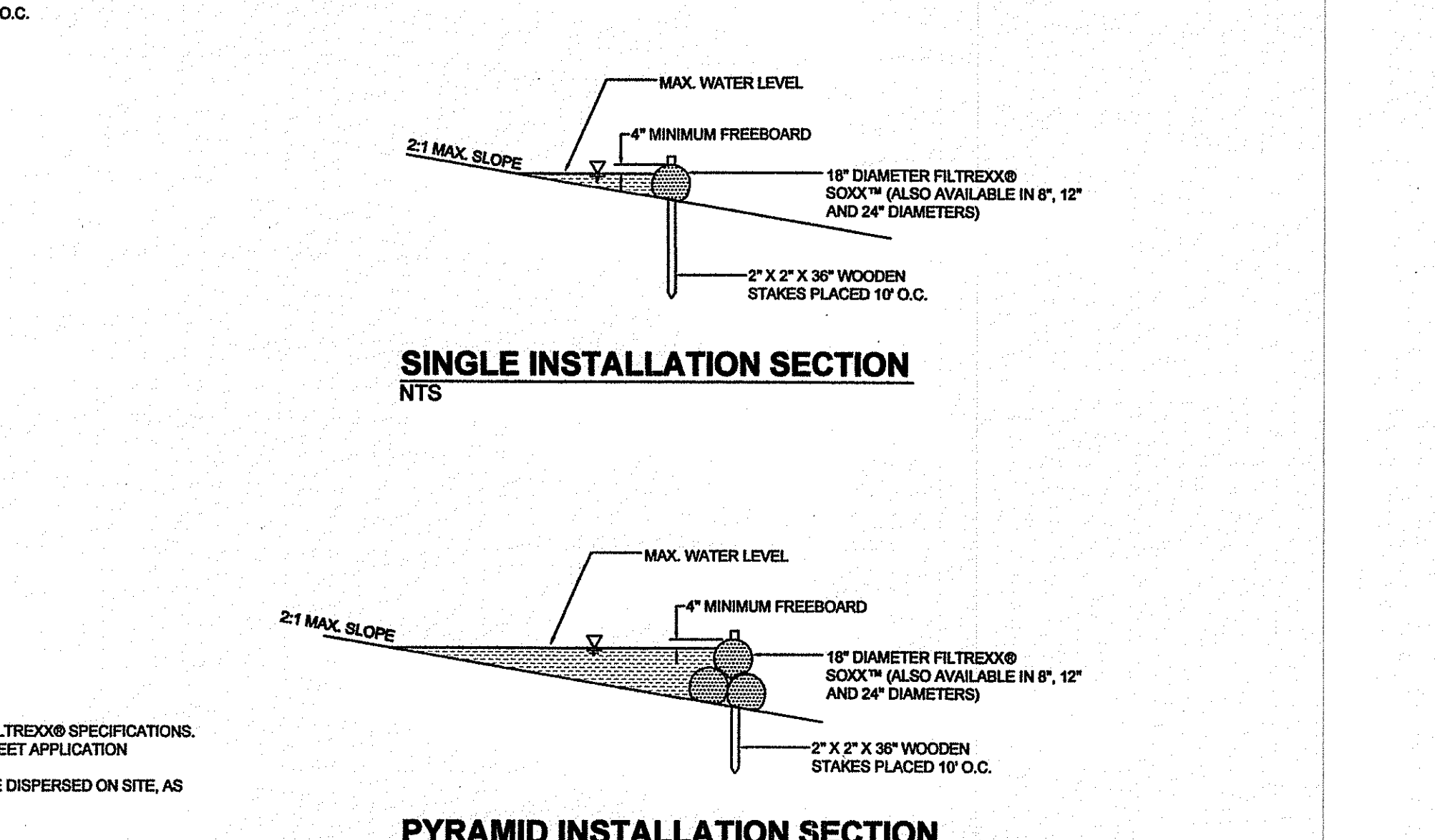
- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN ANY AND ALL PERMITS REQUIRED BY THE STATE AND THE MUNICIPALITY IN WHICH WORK IS BEING PERFORMED PRIOR TO START OF ANY WORK.
- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO DOCUMENT EXISTING CONDITIONS OF SURROUNDING PROPERTIES AND TO MAINTAIN THE INTEGRITY OF THE SAME. ANY DAMAGE TO AND THE COST OF REPAIR OF 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 DIG-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 FILLINGS 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 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 RIEM/RICRMC 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 "DIG-SAFE" MUST BE NOTIFIED PRIOR TO COMMENCING ANY CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING (R&D) 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.

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 ASSET 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 SILT FENCE AND/OR HAY BALES ARE TO 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, 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 DEWATERING BASIN WILL BE EXCAVATED.
- 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.



FILTREXX® RUNOFF DIVERSION
NTS



FILTREXX® SEDIMENT CONTROL
NTS

SOIL STABILIZATION & PLANTING PROGRAM

ACCEPTABLE PLANTING MATERIALS: LOAM - THE MATERIAL TO BE FURNISHED SHALL CONSIST OF LOOSE, FRIABLE, 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
BIRDFOOT TREFLOL - EMPIRE	15

- SEEDING RATE: 100 LBS. PER ACRE

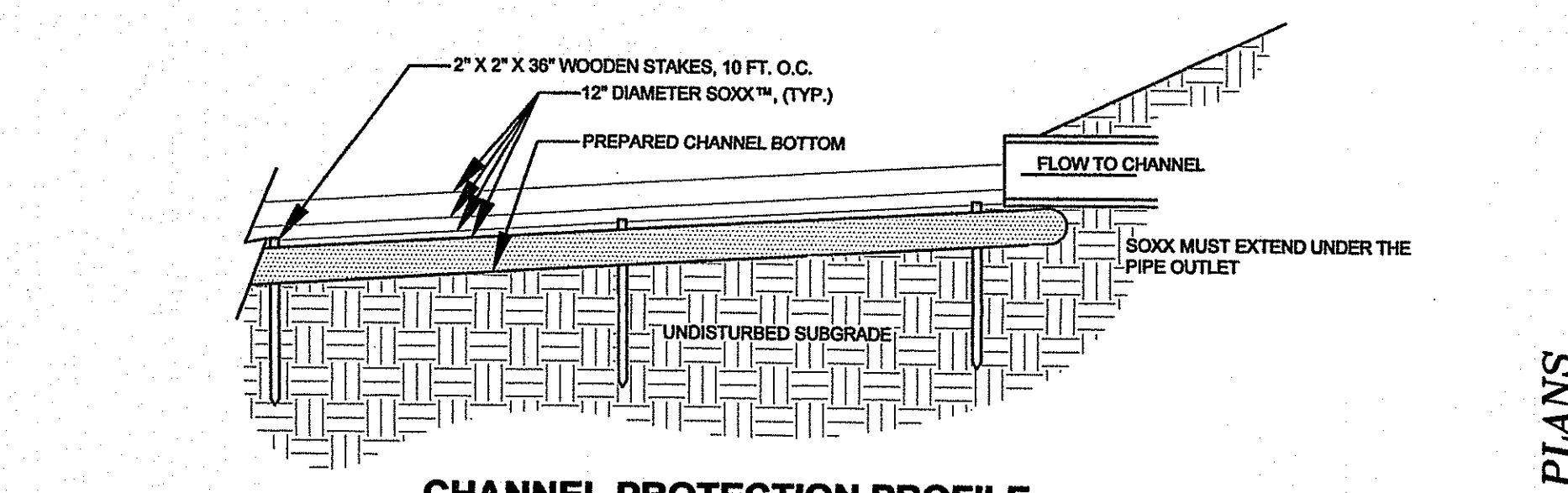
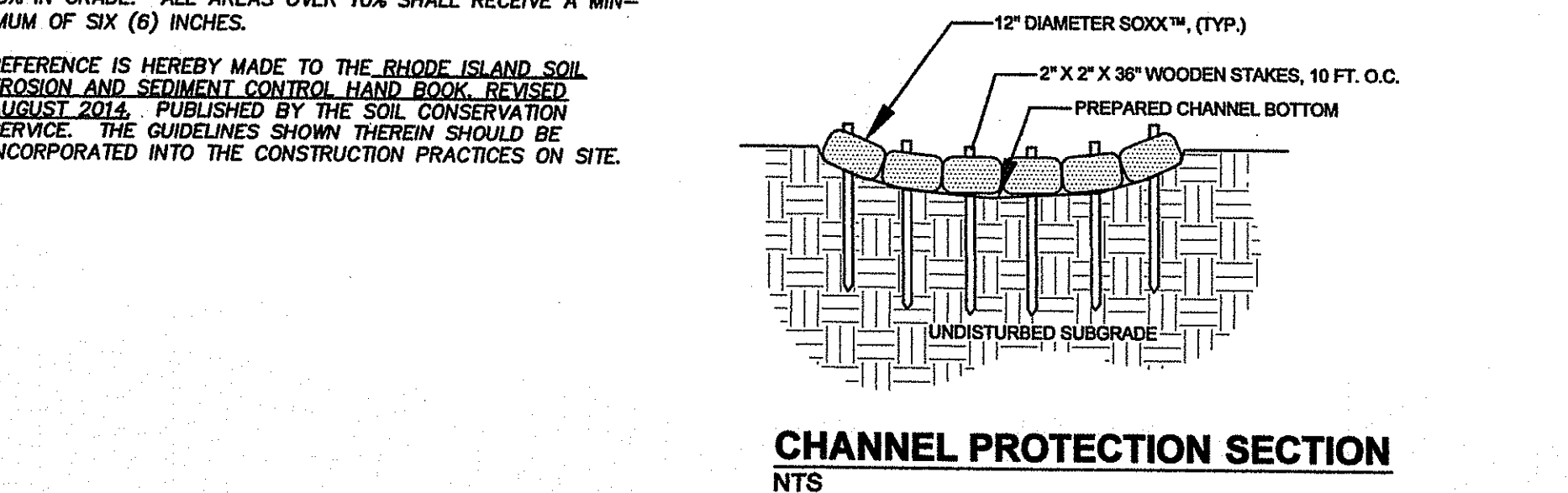
FOR SOD WATERWAYS, DRAINAGE DITCHES, DRAINAGE BASINS:

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

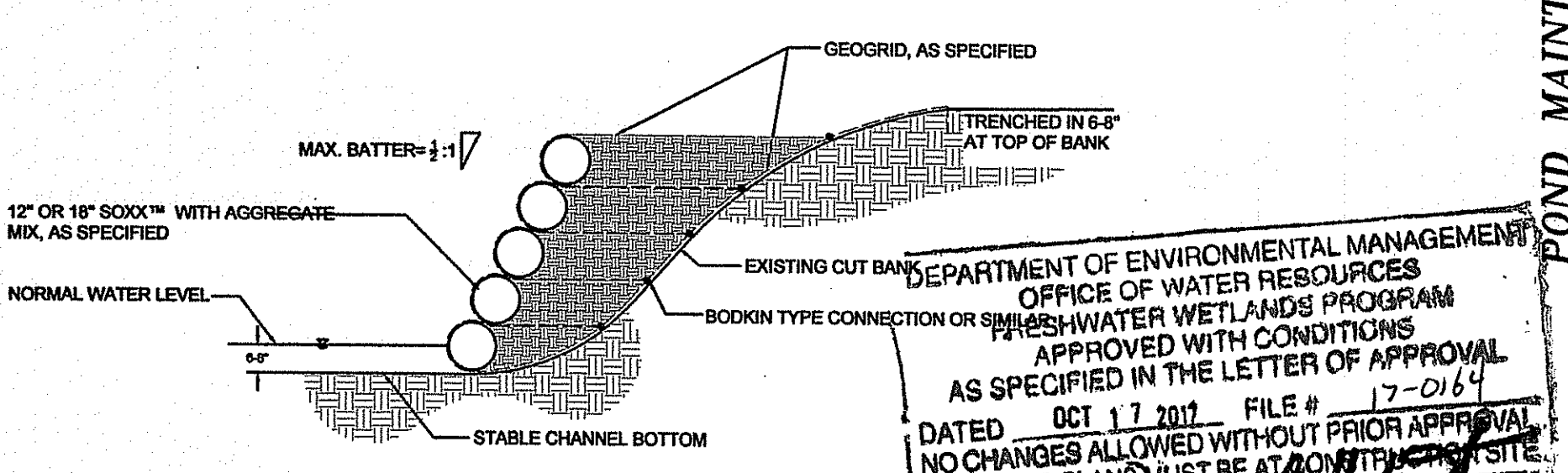
* USE REED CANARYGRASS WHERE MOWING IS NOT REQUIRED.

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.

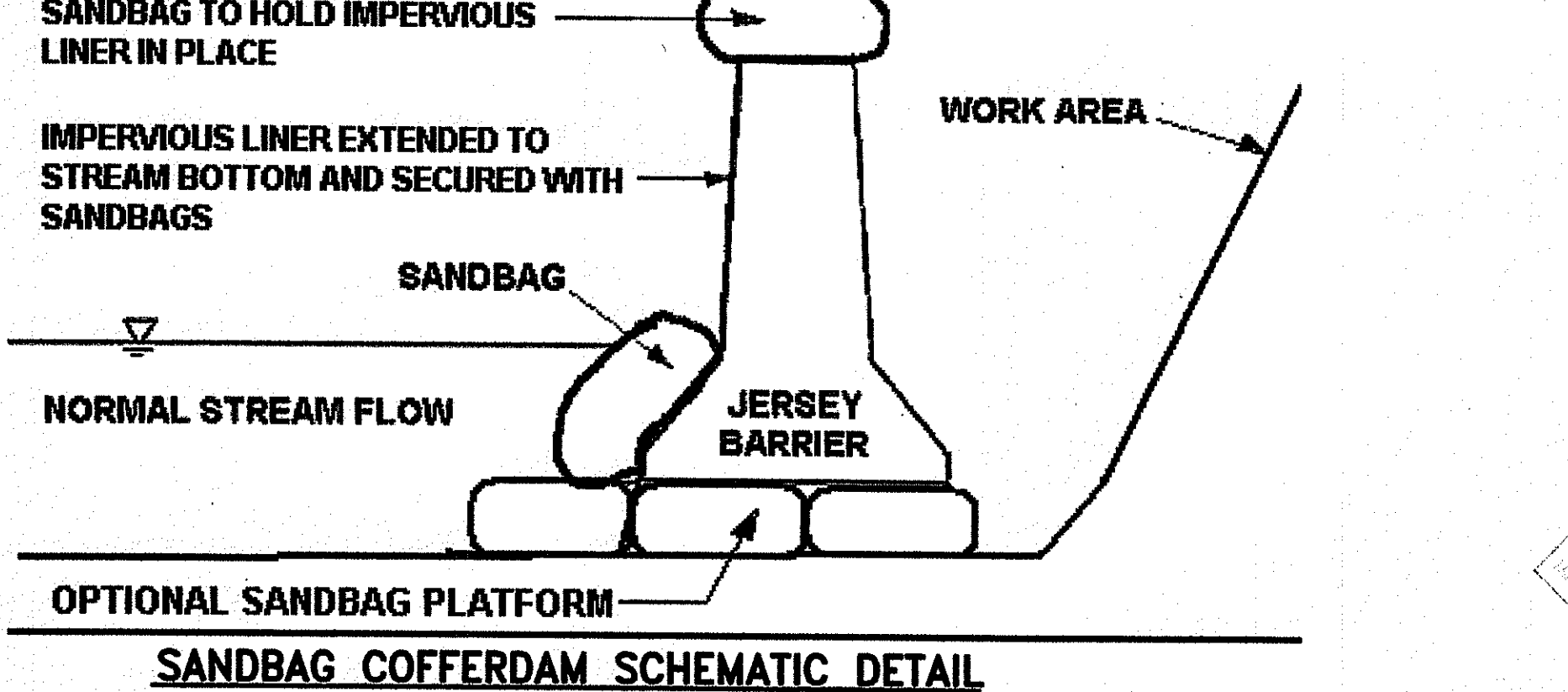
REFERENCE IS HEREBY MADE TO THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, REVISED AUGUST 2015, PUBLISHED BY THE SOIL CONSERVATION SERVICE. THE GUIDELINES SHOWN THEREIN SHOULD BE INCORPORATED INTO THE CONSTRUCTION PRACTICES ON SITE.



FILTREXX® CHANNEL PROTECTION
NTS



FILTREXX® BANK STABILIZATION - REINFORCED
NTS



SANDBAG COFFERDAM SCHEMATIC DETAIL

GENERAL LANDSCAPING NOTES:

- ALL DISTURBED AREAS ARE TO BE REVEGETATED AS SOON AS POSSIBLE. ALL BASINS 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 AS NECESSARY.
- SEED AND SOD SHALL CONSIST OF A BLEND OF KENTUCKY BLUE GRASSES. PLANT BY SUPPLIER'S SPECIFICATIONS.
- USE 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 SQUARE FEET 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 THE ENGINEER. MULCH AND TEMPORARY SEED THE STOCKPILE.
- REMOVE ALL ROCKS OR LARGER IN 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.

1. Soxx™ shall meet Filtrexx Soxx™ Specifications and use Filtrexx GrowingMedia™.

2. Contractor is required to be a Filtrexx Certified™ Installer.

3. Soxx™ must be installed and stabilized before flow is allowed from culverts and storm outlets.

4. Land surfaces shall be cleared of debris, including rocks, roots, large clods, and stumps prior to Soxx™ installation.

5. Channel bed shall be made smooth prior to installation of Soxx™.

6. Soil bed may be compacted and graded prior to installation.

7. The upstage 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.

8. Soxx™ shall be placed parallel to water flow, where socks are lightly abutted to prevent water seepage between and underneath the Soxx™.

9. 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.

10. 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™.

11. Soxx™ may be seeded at the time of application, seed selection will be determined by the Engineer.

DATE	REVISIONS
9/12/17	DEM COMMENTS

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

DAVID D. GARDNER & ASSOCIATES, INC.
200 METRO CENTER BOULEVARD
WARWICK, RHODE ISLAND 02886
(401) 736-3200 / FAX: (401) 739-4740
ENGINEERS • SURVEYORS • PLANNERS

NOTES & DETAIL SHEET
IN NEWPORT, R.I.
FOR
LESLIE B. HULL, A.L. BALLARD
& BALLARD PROPERTIES LP
A.P. 41 LOT 404

DATE ISSUED: 6/1/17
SCALE: 1"=20'
DESIGNED BY: D.D.G.
DRAWN BY: S.B.C.
CHECKED BY: D.D.G.
JOB NO.: 16-076
DWG NO.: 16076 MAINT.PLAN

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