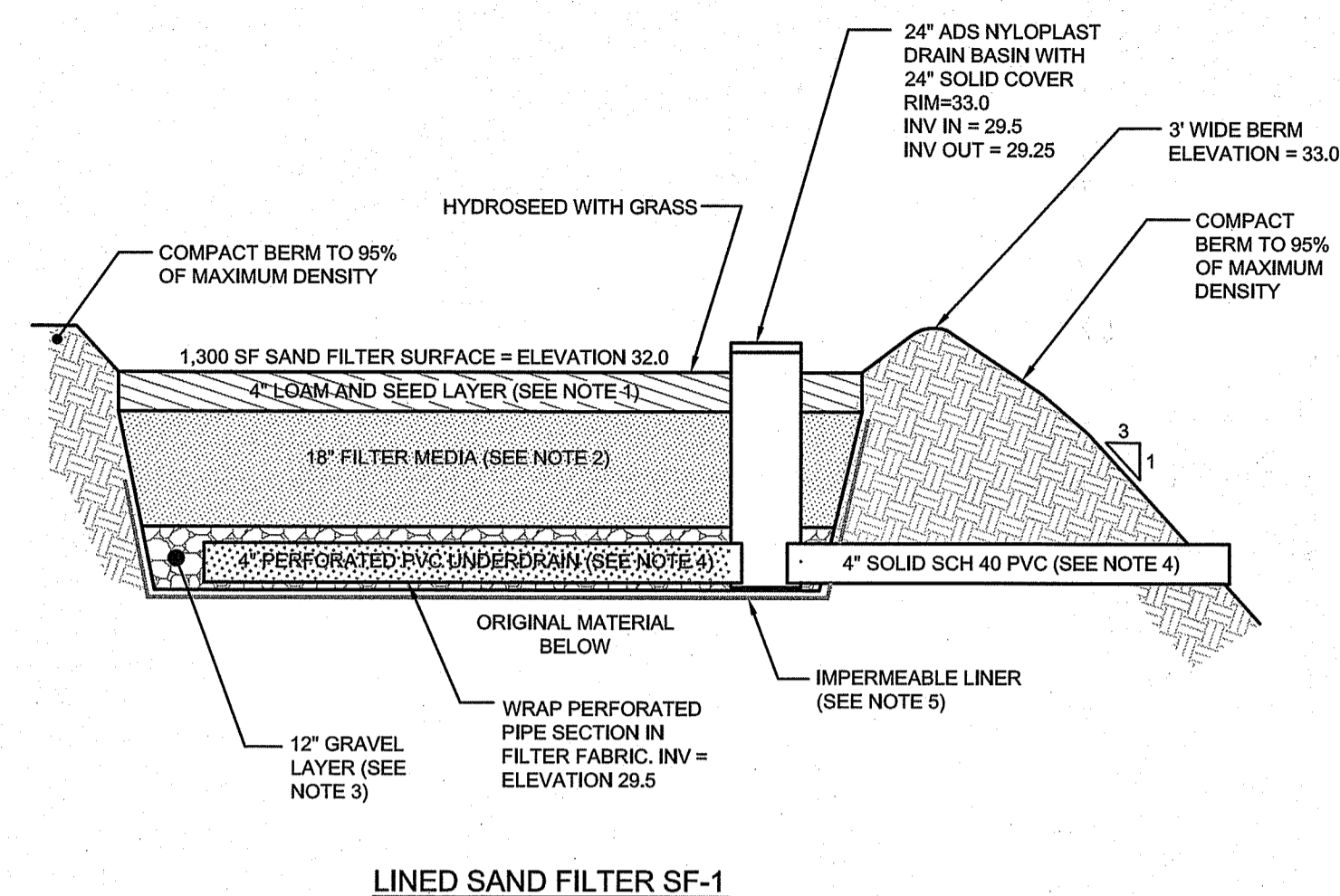


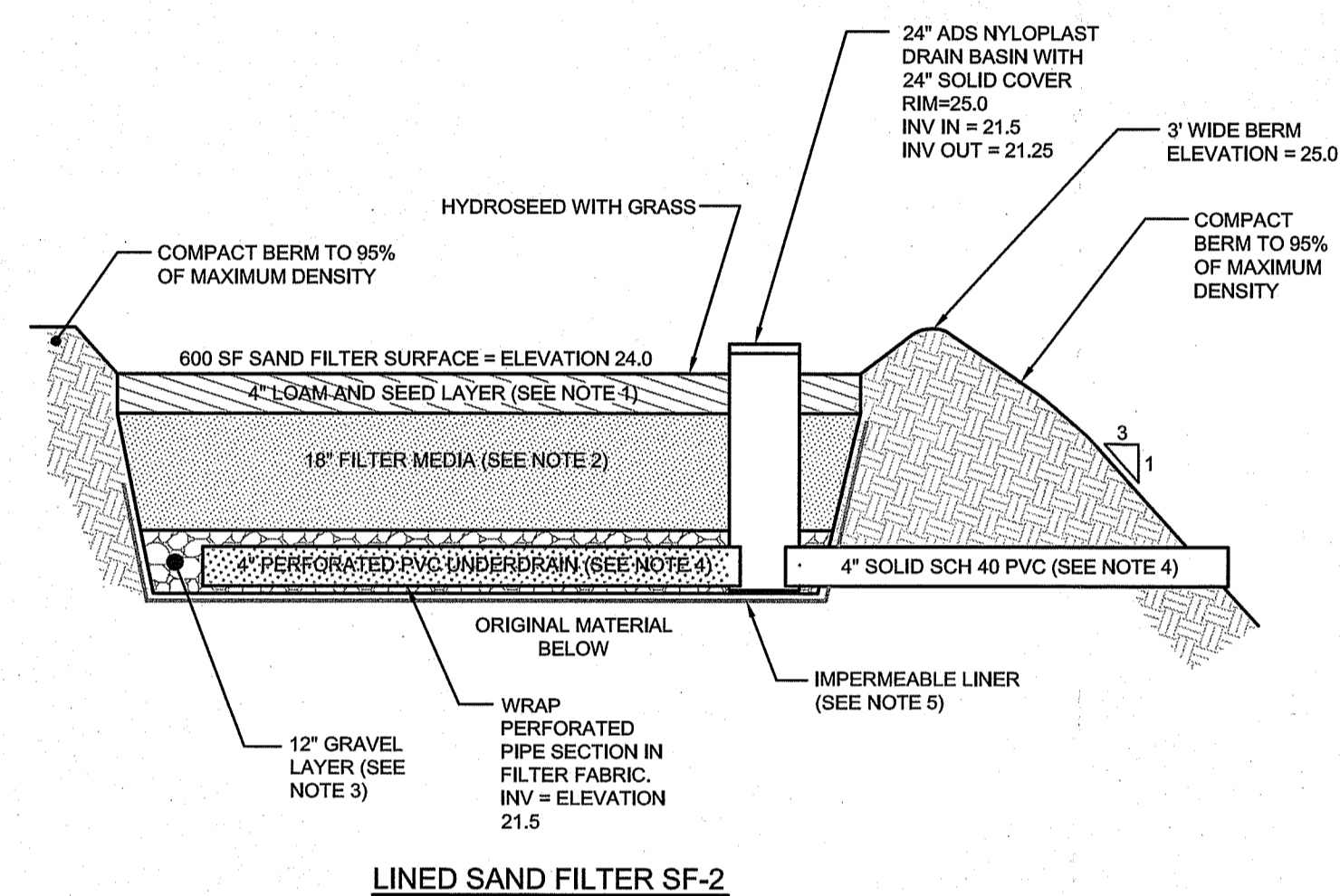
A KNOWLEDGE CORPORATION®

6 VALLEY ROAD MIDDLETOWN RHODE ISLAND 02842
 PHONE (401) 849-0810 FAX (401) 846-4169
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SITE/CIVIL
 LAND PLANNING
 WATERFRONT
 SURVEYING
 GEOTECHNICAL
 ENVIRONMENTAL
 TRANSPORTATION
 STRUCTURAL
 MATERIALS TESTING



LINED SAND FILTER SF-1



LINED SAND FILTER SF-2

SAND FILTER NOTES:

- SAND FILTER SHALL BE PLANTED WITH NEW ENGLAND WETMIX (WETLAND SEED MIX) BY NEW ENGLAND WETLAND PLANTS, INC. OR APPROVED EQUAL.
- SAND FILTER SAND TO BE CLEAN AASHTO M-6 OR ASTM C-33 CONCRETE SAND (0.075" TO 0.0475"). SAND SUBSTITUTIONS SUCH AS DIABASE AND GRAYSTONE #10 ARE NOT ACCEPTABLE. NO CALCIUM CARBONATED OR DOLOMITIC SAND SUBSTITUTIONS ARE ACCEPTABLE. NO ROCK DUST CAN BE USED AS SAND.
- UNDERDRAIN GRAVEL SHALL CONFORM TO AASHTO M-43, 0.25" TO 0.75". MATERIAL MUST BE WASHED CLEAN GRAVEL.
- UNDERDRAIN SHALL BE SCHEDULE 40 PVC PIPE CONFORMING TO ASTM D-1785 OR AASHTO M-278. PERFORATIONS SHALL BE 3/8" @ 6" ON CENTER. PIPE SHALL HAVE 3" OF GRAVEL OVER PIPE. PIPE TO BE WRAPPED IN GEOTEXTILE FABRIC CONFORMING TO FLOWRATE INDICATED IN NOTE 5.
- IMPERMEABLE LINER MAY BE ONE OF THE FOLLOWING: (A) MIN. OF 6 INCHES OF CLAYSILT (MINIMUM 15% PASSING THE #200 SIEVE AND A MAXIMUM PERMEABILITY OF 1 X 10⁻⁵ CM/SEC), (B) A 30 MIL POLY-LINER (C) BENTONITE

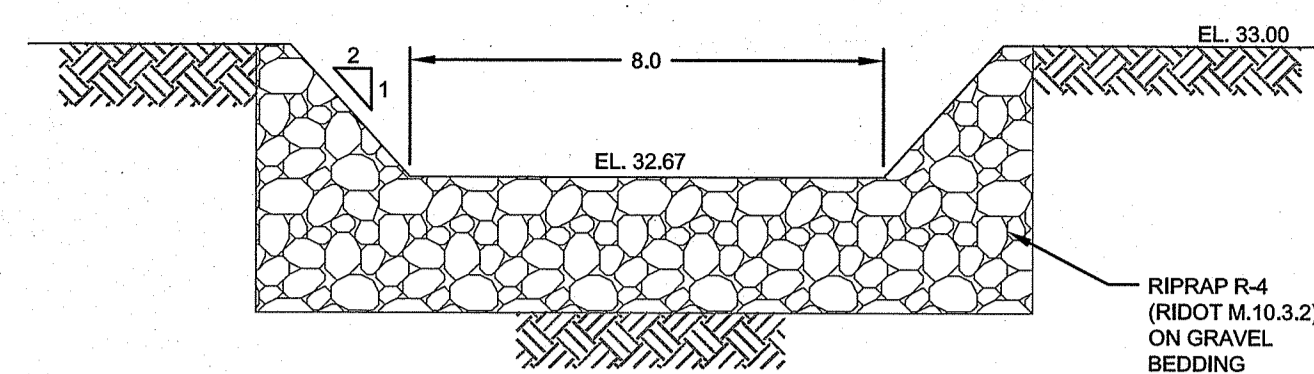
LINED SAND FILTER CROSS SECTIONS

SCALE: NOT TO SCALE

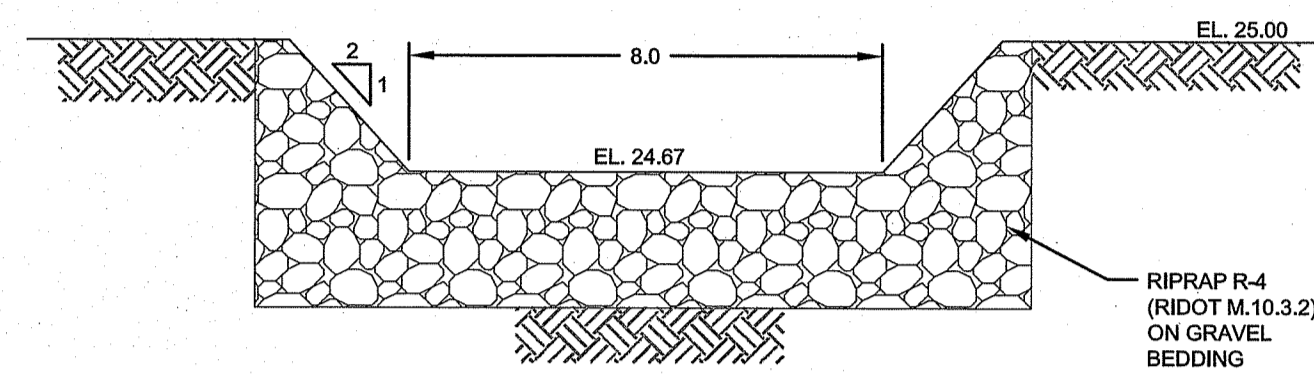
PERIMETER WETLANDS RESTORATION NOTES:

(PROVIDED BY AVIZINS ENVIRONMENTAL SERVICE, INC. - PROFESSIONAL CERTIFICATION SHOWN ON THIS PLAN DOES NOT EXTEND TO PLANTING INFORMATION OR RECOMMENDED PLANTINGS PROVIDED BELOW)

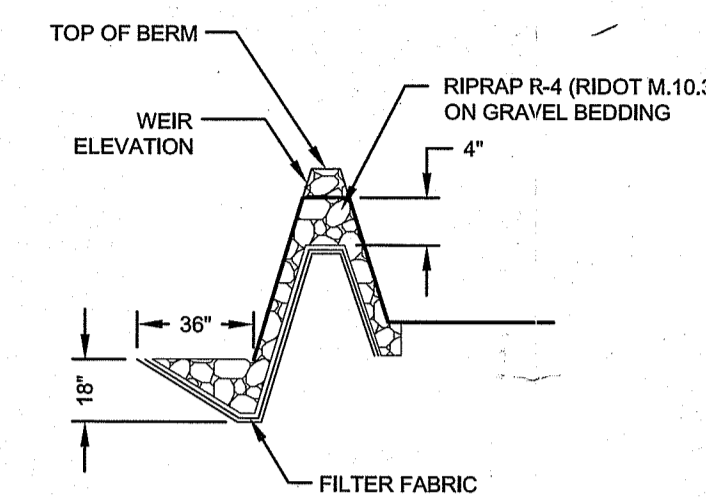
- WORK WITHIN THE 50-FOOT PERIMETER WETLAND SHALL BE LIMITED TO GRADING ONLY AS DEPICTED ON THE SITE PLAN. ALL WORK WITHIN THE PERIMETER WETLAND SHALL BE OVERSEEN BY A QUALIFIED WETLAND SCIENTIST.
- EROSION CONTROLS SHALL BE INSTALLED ON THE DOWNSLOPE LIMIT OF THE LIMIT OF DISTURBANCE (LOD) AND CHECKED REGULARLY FOR EFFECTIVENESS DURING ALL PHASES OF WORK.
- TOP SOIL SHALL FIRST BE REMOVED AND STORED WITHIN THE UPLAND INTERIOR OF THE SITE TO BE REUSED TO TOP THE COMPLETED GRADE.
- ONCE ALL GRADING IS COMPLETE IN ACCORDANCE WITH THE PLANS (MINUS 6 - 10 INCHES), TOP SOIL SHALL BE RE-ESTABLISHED AT A DEPTH OF 6 - 10 INCHES AND TOPPED WITH A NATIVE CONSERVATION SEED MIX AND LOOSE STRAW MULCH.
- DEPENDENT ON THE TIME OF YEAR, RESTORATIVE PLANTINGS SHALL BE INSTALLED IN SPRING OR FALL AS FOLLOWS:
 - ARROWWOOD (VIBURNUM DENTATUM)
 - RED OSIER DOGWOOD (CORNUS SERICEA)
 - WINTERBERRY (ILEX VERTICILLATA)
- ALL PLANTINGS SHALL BE COMPRISED OF A MINIMUM 3-GALLON CONTAINER STOCK MEETING A 24" - 36" HEIGHT REQUIREMENT AFTER PLANTING. ALL PLANTS SHALL BE SPACED APPROXIMATELY 5- FEET ON-CENTER THROUGHOUT THE AREA. CLUSTERS SHALL BE SPACED APPROXIMATELY TEN FEET APART.
- A MONITORING REPORT SHALL BE PREPARED AND SUBMITTED TO DEM AND CRMC AT THE COMPLETION OF ALL WORK WITHIN THE TEMPORARY DISTURBANCE.



SAND FILTER SF-1 WEIR

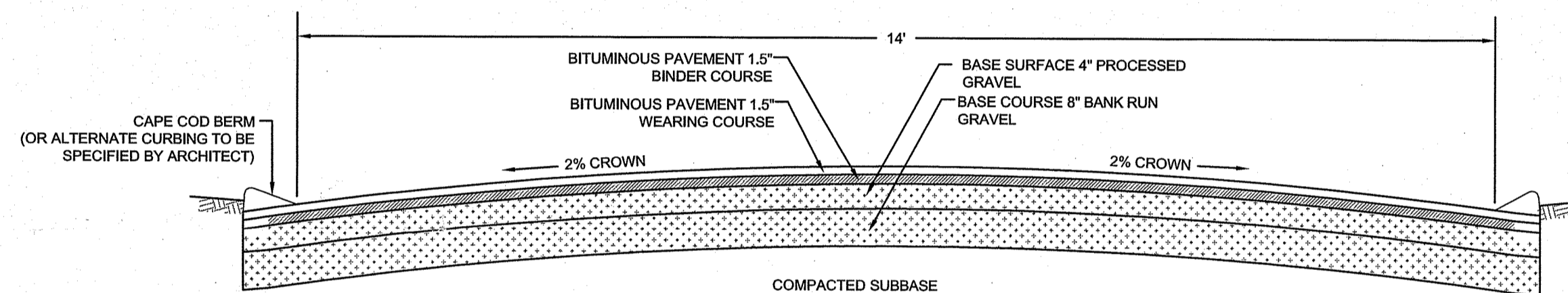


SAND FILTER SF-2 WEIR



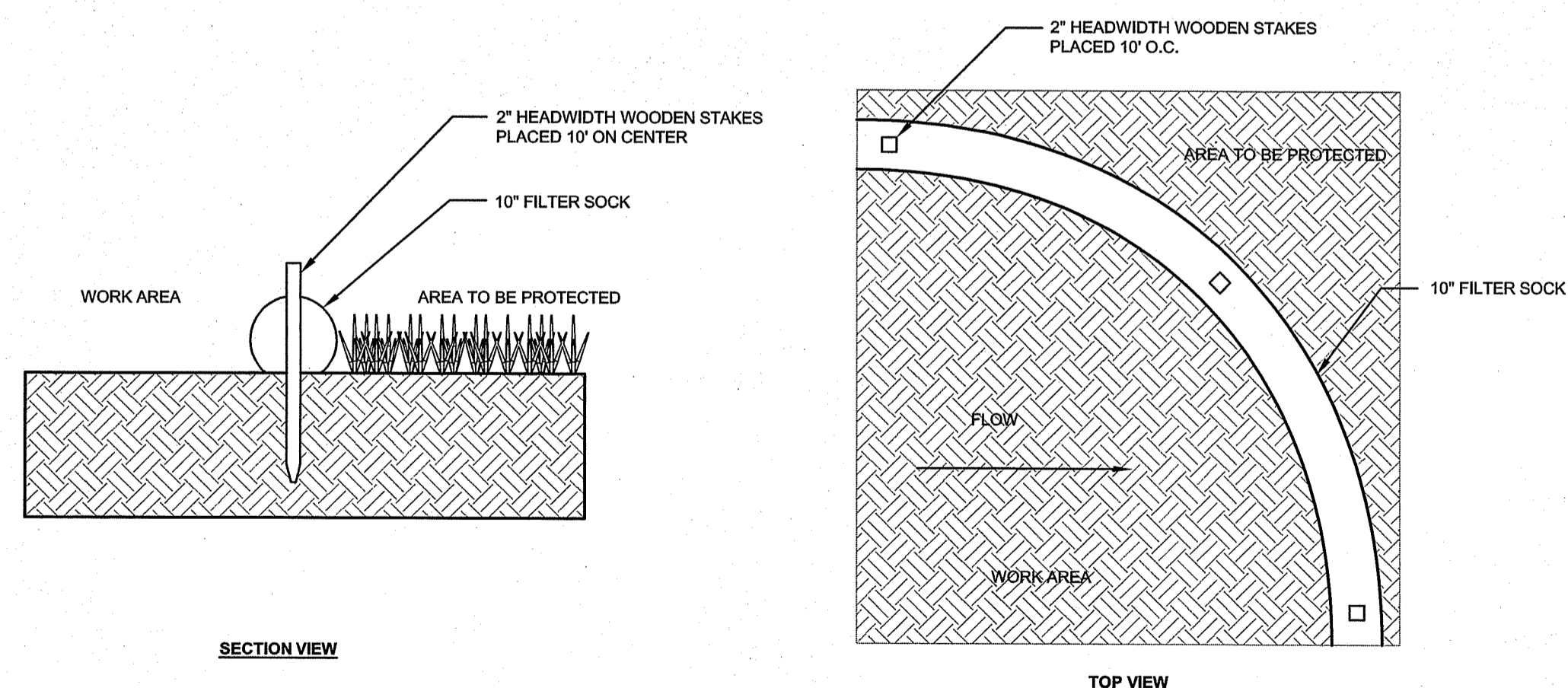
STONE WEIR DETAILS

SCALE: NOT TO SCALE



DRIVEWAY SECTION

SCALE: NOT TO SCALE



10" FILTER SOCK DETAIL

SCALE: NOT TO SCALE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS
 SPECIFIED IN THE LETTER OF APPROVAL
 DATED: JUN 08 2022 FILE #: 22-0102
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Handwritten signature: Nancy L. Freeman

1	ADDED RESIDENCE, OWTS, WATER	08MAR22	
0	ORIGINAL PERMITTING SUBMISSION	11FEB22	
No.	Revision	Date	App.
Designed by:	Drawn by: JJR	Checked by: GES	
Scale:	AS SHOWN	Date:	08MAR22

A.P. 43, LOT 78
0 OCEAN AVENUE
 NEWPORT, RHODE ISLAND

Client/Owner:
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Issued for:
 PERMITTING

Drawing Title:
PROPOSED RESIDENTIAL DEVELOPMENT DETAILS

Drawing Number:	C-2
Sheet	2 of 2
Project Number:	20165.1
Survey Index:	14 - 43 - 11

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