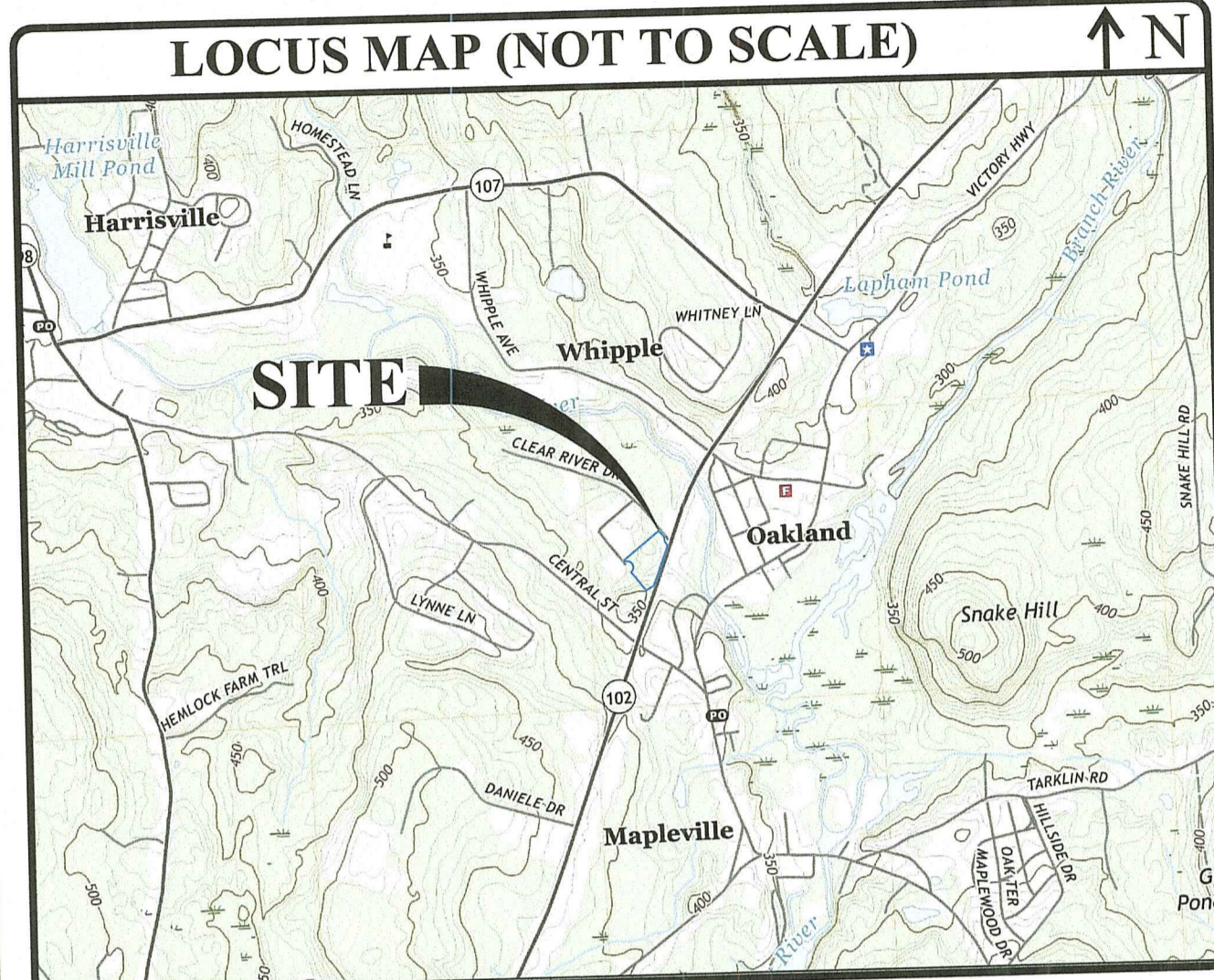


**FRESHWATER WETLANDS APPLICATION  
FOR A PROPOSED LAND CLEARING OPERATION**

**90 LOCUST LANE  
BURRILLVILLE, RHODE ISLAND  
AP 179, LOT 103  
ZONING DISTRICT: GENERAL INDUSTRY (GI)**



**OWNER / APPLICANT**

ADLER PROPERTIES, LLC  
C/O SCOTT ADLER  
115 MAPLEVILLE ROAD  
GREENVILLE, RI 02828  
(401) 949-2727 phone

**CIVIL ENGINEER**

JOE CASALI ENGINEERING, INC.  
300 POST ROAD  
WARWICK, RI 02888  
(401) 944-1300 phone  
(401) 944-1313 fax

**WETLAND BIOLOGIST**

MASON & ASSOCIATES, INC.  
771 PLAINFIELD PIKE  
NORTH SCITUATE, RI 02857  
(401) 647-3835 phone  
(401) 647-5430 fax

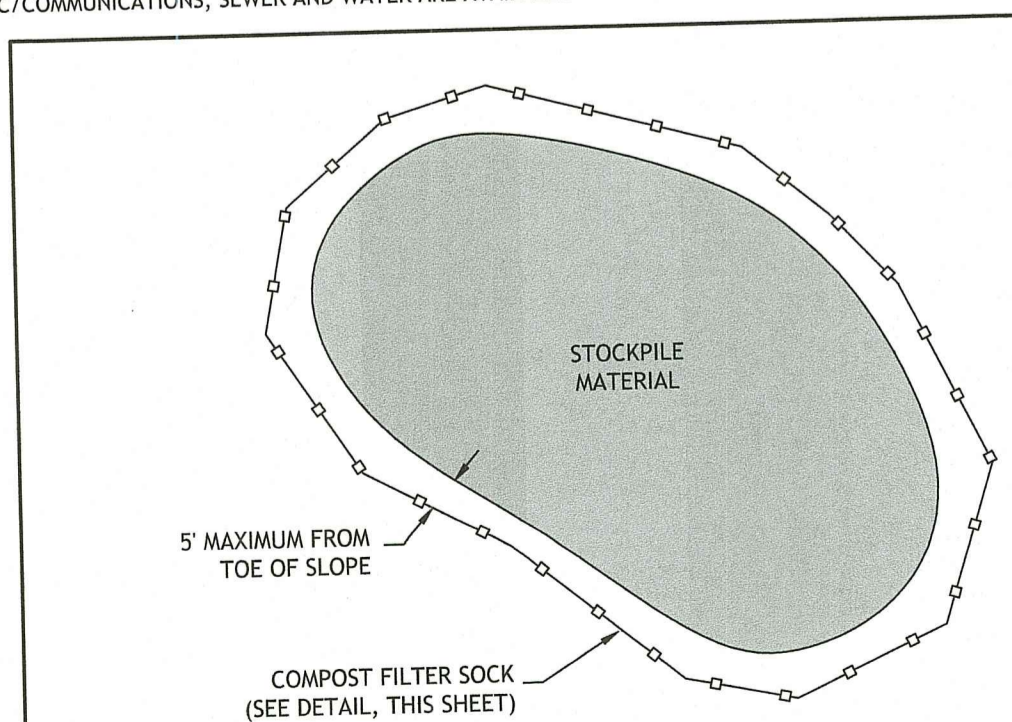
**LAND SURVEYOR**

OCEAN STATE PLANNERS, INC.  
1255 OAKLAWN AVENUE  
CRANSTON, RI 02920  
(401) 463-9896 phone  
(401) 463-9039 fax

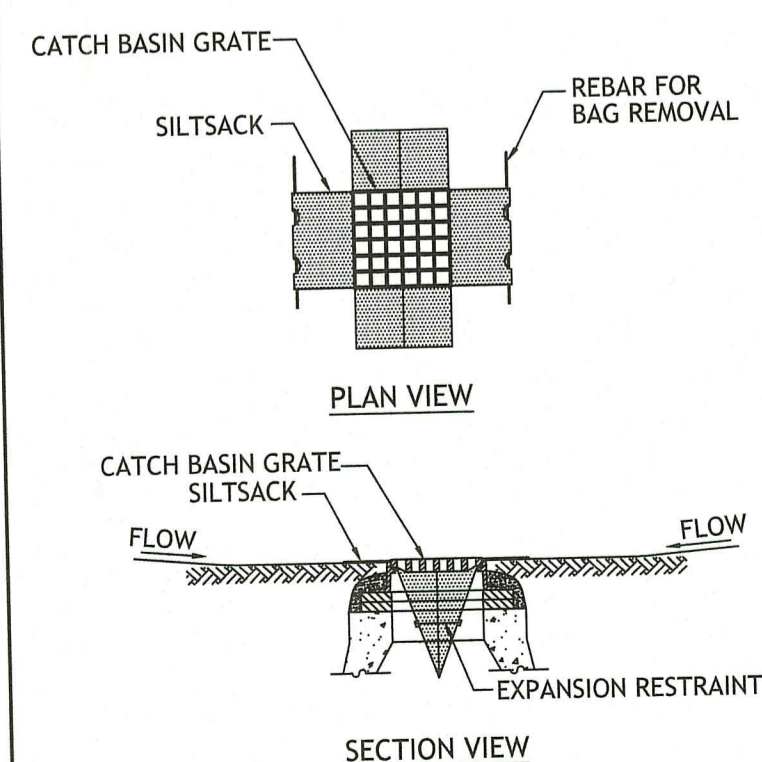
**Per RIDEM:**  
Permanent Buffer Zone Markers, per Permit condition No. 18. (7 total)

**GENERAL NOTES:**

- CLASS 1 PROPERTY LINE SURVEY PERFORMED BY OCEAN STATE PLANNERS, INC. OF CRANSTON, RI IN JANUARY 2003. EXISTING CONDITIONS ARE BASED ON A COMBINATION OF AVAILABLE NEARMAP AERIAL IMAGERY AND PLANS DEVELOPED BY ADVANCED CIVIL DESIGN, INC.
- THE LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND 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. RESTORATION AND REPAIR OF DAMAGE TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO ADDITIONAL COST TO THE OWNER. NO EXCAVATION SHALL COMMENCE UNTIL ALL INVOLVED UTILITY COMPANIES AND/OR CITY WHOSE FACILITIES MIGHT BE AFFECTED BY ANY WORK TO BE PERFORMED BY THE CONTRACTOR ARE NOTIFIED AT LEAST 72 HOURS IN ADVANCE.
- THE SITE IS LOCATED ON THE FLOOD INSURANCE RATE MAP FOR THE TOWN OF BURRILLVILLE, RHODE ISLAND, MAP NUMBER 44007C0135G, EFFECTIVE DATE MARCH 2, 2009, BASED ON THIS FEMA FLOOD INSURANCE MAP, THE SUBJECT PROPERTY AND ALL ADJACENT PROPERTIES ARE IDENTIFIED AS LYING WITHIN FEMA FLOOD ZONE X - AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL-CHANCE FLOOD ELEVATION.
- SOILS EXISTING ON THE SITE CONSISTS OF HINCKLEY LOAMY SAND, 8-15% SLOPES (H&C), WHICH CLASSIFY AS HYDROLOGIC SOIL GROUP A AND WALPOLE SANDY LOAM 0-3 PERCENT SLOPES (Wa), WHICH CLASSIFY AS HYDROLOGIC SOIL GROUP B/D.
- WETLANDS WERE DELINEATED IN AUGUST 2020 BY MASON & ASSOCIATES, INC., 771 PLAINFIELD PIKE, NORTH SCITUATE, RI 02857. THE SITE IS LOCATED WITHIN RIDEM'S RIVER REGION 1.
- THE PROPOSED DEVELOPMENT IS LOCATED WITHIN THE CLEAR RIVER WATERSHED. THE SITE IS LOCATED WITHIN BOTH A COMMUNITY AND A NON-COMMUNITY WETLAND PROTECTION AREA. THE SITE IS ALSO LOCATED WITHIN A NATURAL HERITAGE AREA. THERE ARE NO EXTRAORDINARY OR UNUSUAL FEATURES ON THE SUBJECT SITE.
- A PORTION OF A 30-FOOT-WIDE ACCESS EASEMENT BENEFITING THE TOWN OF BURRILLVILLE EXISTS WITHIN THE SUBJECT PARCEL.
- THERE ARE NO CEMETERIES WITHIN OR ADJACENT TO THE SUBJECT PARCEL.
- DRAINAGE, ELECTRIC/COMMUNICATIONS, SEWER AND WATER ARE AVAILABLE FROM WITHIN LOCUST LANE.



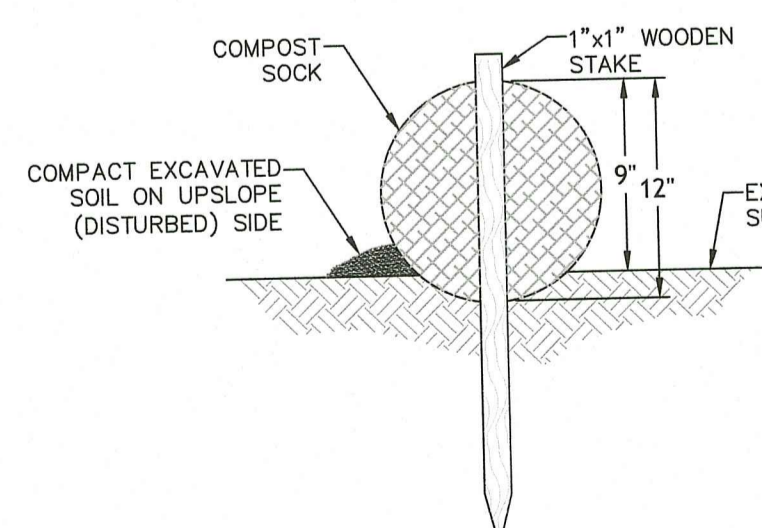
**1 STOCKPILE DETAIL  
NOT TO SCALE**



**2 SILT SACK SEDIMENT TRAP  
NOT TO SCALE**

**NOTES:**

- INSTALL SILTSACK IN SELECTED CATCH BASINS IDENTIFIED ON THE SITE PREPARATION PLAN BEFORE COMMENCING WORK.
- GRATE TO BE PLACED OVER SILTSACK. SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED.



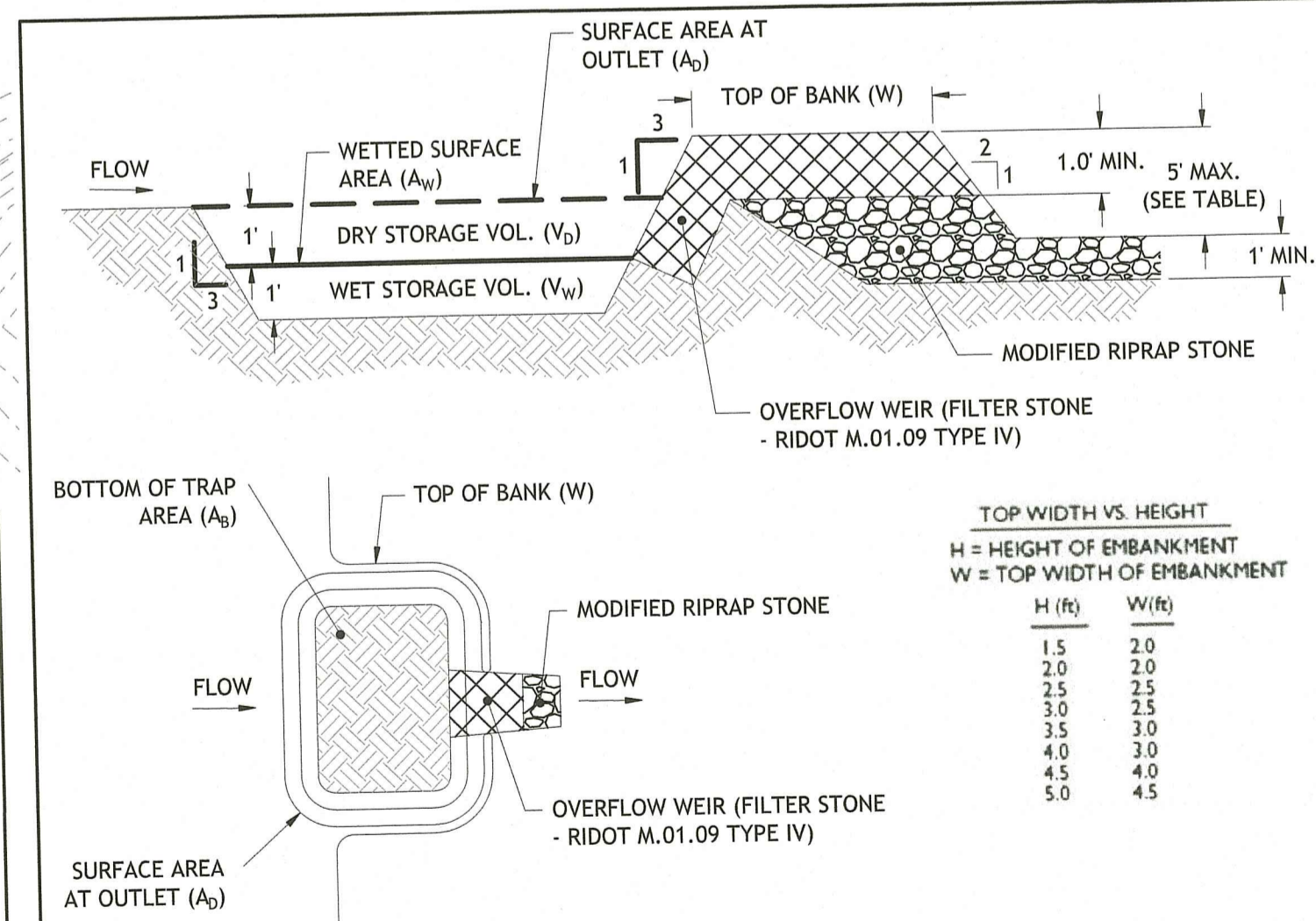
**NOTES:**

- BEGIN SOCK INSTALLATION BY EXCAVATING A 2 TO 3-INCH-DEEP BY 9" WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE OR ALONG THE EXISTING GROUND SURFACE. EXCAVATED SOIL SHOULD BE PLACED UP-SLOPE OR ON THE DISTURBED SIDE OF THE ANCHOR TRENCH.
- PLACE SOCK IN THE TRENCH SUCH THAT IT CONTOURS TO THE EXISTING SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE SOCK ON THE UP-SLOPE OR DISTURBED SIDE. ADJACENT SOCKS SHOULD TIGHTLY ABUT.
- SECURE SOCK WITH 18 TO 24-INCH-LONG STAKES. INSTALL AN ADDITIONAL STAKE AT EACH END OF THE SOCK. STAKES SHOULD BE DRIVEN PERPENDICULAR TO THE SLOPE FACE OR GROUND SURFACE. SOCK LEAVING AT LEAST 2 TO 3 INCHES OF STAKE EXTENDING ABOVE. THE STAKES SHOULD BE DRIVEN PERPENDICULAR TO THE SLOPE FACE OR GROUND SURFACE.
- COMPOST FILTER SOCK SPACING BASED ON 12-INCH DIAMETER SOCK; SHOULD SMALLER OR LARGER DIAMETER SOCK BE USED, SPACING SHALL BE ADJUSTED BASED ON TABLE 2 (TO THE RIGHT).
- COMPOST FILTER SOCK INSTALLATION AND MAINTENANCE SHALL BE IN ACCORDANCE WITH THE RI SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, 2014.
- COMPOST FILTER SOCKS SHALL BE MAINTAINED UNTIL PERMANENT VEGETATIVE COVER IS ESTABLISHED.

**3 COMPOST FILTER SOCK  
NOT TO SCALE**

Slope %	Maximum slope length above compost filter sock in ft (m)			
	8-inch (200-mm)	12-inch (300-mm)	18-inch (450-mm)	24-inch (600-mm)
2 (or less)	900 (270)	375 (110)	500 (150)	650 (200)
5	200 (60)	250 (75)	275 (85)	325 (100)
10	100 (30)	125 (35)	150 (45)	200 (60)
15	70 (20)	85 (25)	100 (30)	130 (40)
20	50 (15)	65 (20)	70 (20)	130 (40)
25	40 (12)	50 (15)	55 (15)	100 (30)
30	30 (9)	40 (12)	45 (13)	65 (20)
35	30 (9)	40 (12)	45 (13)	65 (20)
40	30 (9)	40 (12)	45 (13)	65 (20)
45	30 (9)	25 (8)	30 (9)	40 (12)
50	20 (6)	25 (8)	30 (9)	35 (10)

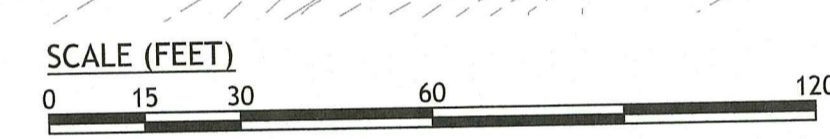
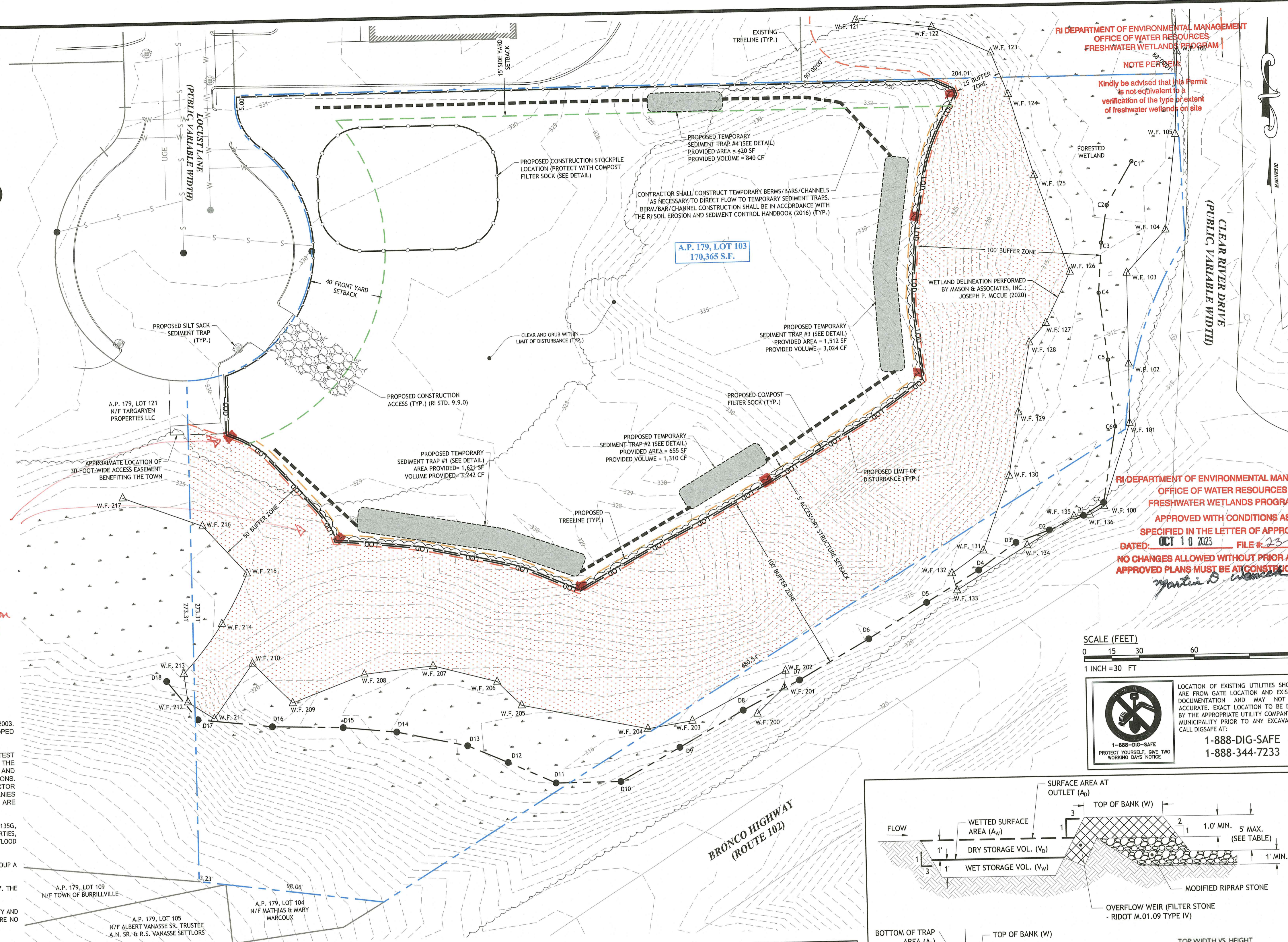
**FIGURE 2: RECOMMENDED SPACING AND DIAMETER REQUIREMENTS FOR COMPOST FILTER SOCKS**



**NOTES:**

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD FIT AND DETERMINE ACTUAL SEDIMENT TRAP SIZES, LOCATIONS, DIVERSION BERM LOCATIONS, SWALES, SILT FENCE LOCATIONS AND ANY OTHER APPROPRIATE SEDIMENT CONTROL MEASURES. ALL SOIL EROSION MEASURES SHALL BE IN ACCORDANCE WITH THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (2016).
- EACH TEMPORARY SEDIMENT TRAP SHALL BE PROVIDED WITH A SEDIMENT STORAGE STAKE AND MARKER, IN ACCORDANCE WITH THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (2016).

**4 TEMPORARY SEDIMENT TRAP DETAIL  
NOT TO SCALE**



**JOE CASALI ENGINEERING, INC.**  
CIVIL ENGINEERING  
WETLANDS, ISDS, TRAFFIC, FLOODPLAIN  
MANAGER - 300 POST ROAD, WARWICK, RI 02888  
(401) 944-1300 (401) 944-1313 FAX WWW.JOECASALI.COM

JOSEPH A. CASALI  
No. 7250  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL  
8-23-2023

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED: OCT 10 2023 FILE # 23-0187  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

**90 LOCUST LANE  
BURRILLVILLE, RHODE ISLAND  
AP 179, LOT 103**

**REVISIONS:**

NO.	DATE	DESCRIPTION

DESIGNED BY: WMLJR  
DRAWN BY: SEP  
CHECKED BY: JAC  
DATE: AUG 2023  
PROJECT NO: 15-32c

PRELIMINARY, NOT FOR CONSTRUCTION

AUG 9 4 2023  
**SITE PLAN**

**SHEET 1 OF 1**

Q:\15-32 Adler Brothers\15-32c Locust Lane\ACAD\90 Locust Lane.dwg Aug. 24, 2023 10:42am