



**PURCHASING
AND MATERIALS
MANAGEMENT**

**City of Myrtle Beach
SOUTH CAROLINA**

**(843) 918-2170
FAX: (843) 918-2182
www.cityofmyrtlebeach.com**

Addendum 02

May 30, 2023

IFB 23-B0023

Broadway Wetland and Stream Improvements

The purpose of this Addendum 02 to IFB 23-B0023 for Broadway Wetland and Stream Improvements, dated May 30, 2023 and previously amended on May 16, 2023, is to provide updated drawing sheets to reflect the updated level of development. The updated drawings are attached and are hereby made a part of this addendum.

All bid submissions must be received by the Procurement Office no later than 2:00P.M. on Tuesday, June 13, 2023. No electronic submissions will be accepted. The City is not responsible for late or misdirected mail.

Please submit your bid in a sealed envelope to the address below:

City of Myrtle Beach Procurement
3231 Mr. Joe White Avenue
Myrtle Beach, SC 29577
Attn: Brandon Hancock

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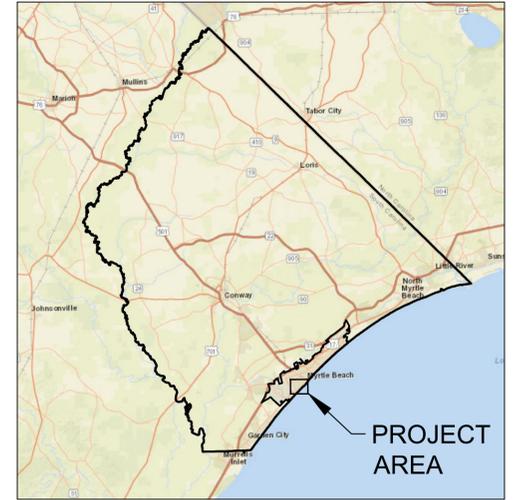


THE CITY OF MYRTLE BEACH

PUBLIC WORKS DEPARTMENT

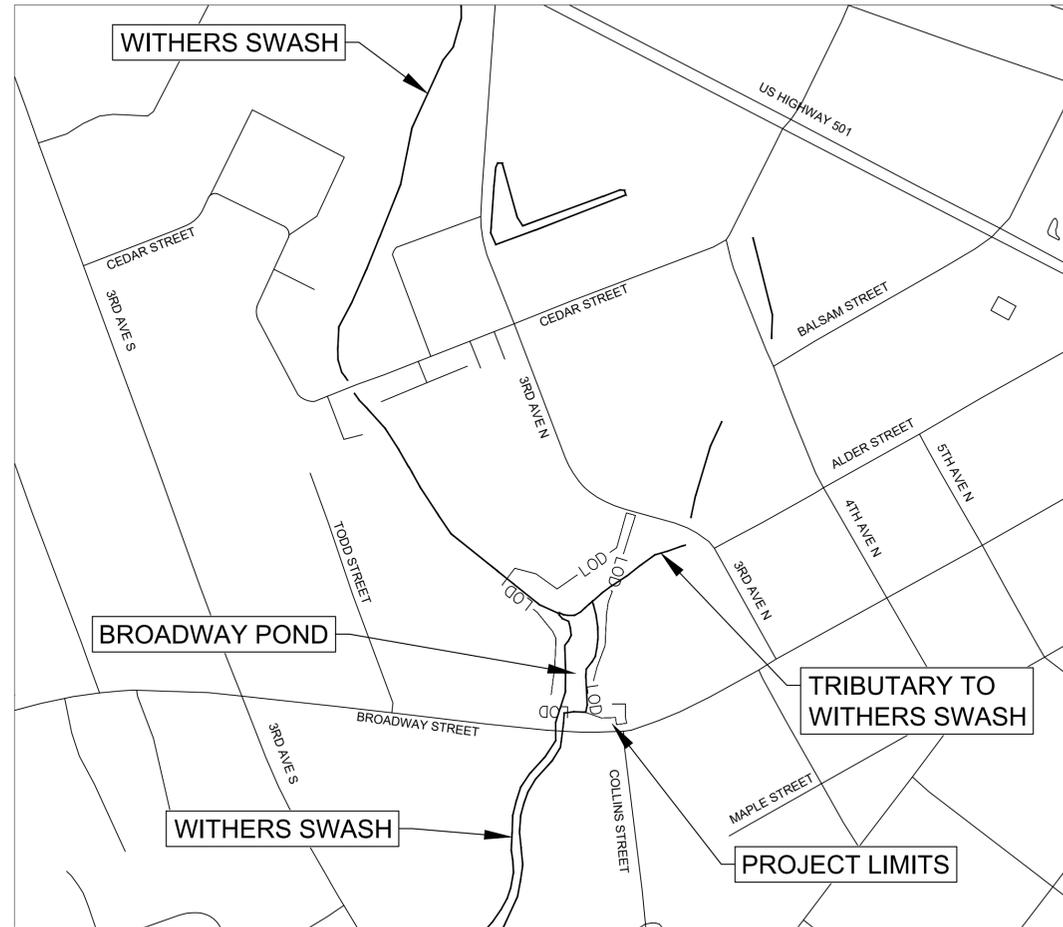
BROADWAY WETLAND & STREAM IMPROVEMENT

SRF 494-24



VICINITY MAP
NTS

SHEET LIST	
Sheet Number	Sheet Title
C1	COVER
2	NOTES
3	EXISTING CONDITIONS
4	PLAN & PROFILE -L- DOWNSTREAM
5	PLAN & PROFILE -L- UPSTREAM
6	PLAN & PROFILE -Y-
7	SECTION VIEW
8	SECTION VIEW
D1	DETAILS
D2	DETAILS
D3	DETAILS
EC1	EROSION CONTROL PLAN
EC2	EROSION CONTROL PLAN
EC3	PLANTING PLAN
EC4	PLANTING PLAN
EC5	PLANTING PLAN



LOCATION MAP
1 INCH = 250 FT



720 CORPORATE CENTER DRIVE
RALEIGH, NC 27607
(919) 782-0495

Office Locations:
Tennessee
Georgia
North Carolina
South Carolina
NC LICENSE NO. F-0374

"I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000."



Know what's below.
Call before you dig.

100% DESIGN PLANS - NOT FOR CONSTRUCTION
BROADWAY WETLAND & STREAM IMPROVEMENT Project No. 20210818.00.RA

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INSTALLATION NOTES:

SITE PREPARATION

GRADE AND COMPACT AREA.

REMOVE ALL ROCKS, CLODS, VEGETATION, AND OBSTRUCTIONS SO THAT MATTING WILL HAVE DIRECT CONTACT WITH THE SOIL.

PREPARE SEEDBED BY LOOSENING 3 TO 4 INCHES OF TOPSOIL ABOVE FINAL GRADE.

TEST SOILS FOR ANY NUTRIENT DEFICIENCIES AND SUBMIT SOIL TEST RESULTS TO THE ENGINEER. APPLY ANY TREATMENT SUCH AS LIME OR FERTILIZERS TO THE SOIL IF NEEDED.

INSTALLATION - STREAM BANK

SEE GRADING NOTES ON PLAN AND PROFILE SHEETS AND DETAIL SHEETS FOR INFORMATION REGARDING WHAT AREAS ARE TO RECEIVE COIR MATTING.

OVERLAP ADJACENT MATS 3" (IN DIRECTION PARALLEL TO FLOW) AND ANCHOR EVERY 12" ACROSS THE OVERLAP. THE UPSTREAM MAT SHOULD BE PLACED OVER THE DOWNSTREAM MAT.

EDGES SHOULD BE SHINGLED AWAY FROM THE FLOW OF WATER.

LAY MAT LOOSE TO ALLOW CONTACT WITH SOIL. DO NOT STRETCH TIGHT.

ANCHOR MAT USING BIODEGRADABLE WOODEN STAKES. STAKES SHALL BE 12" MINIMUM LENGTH.

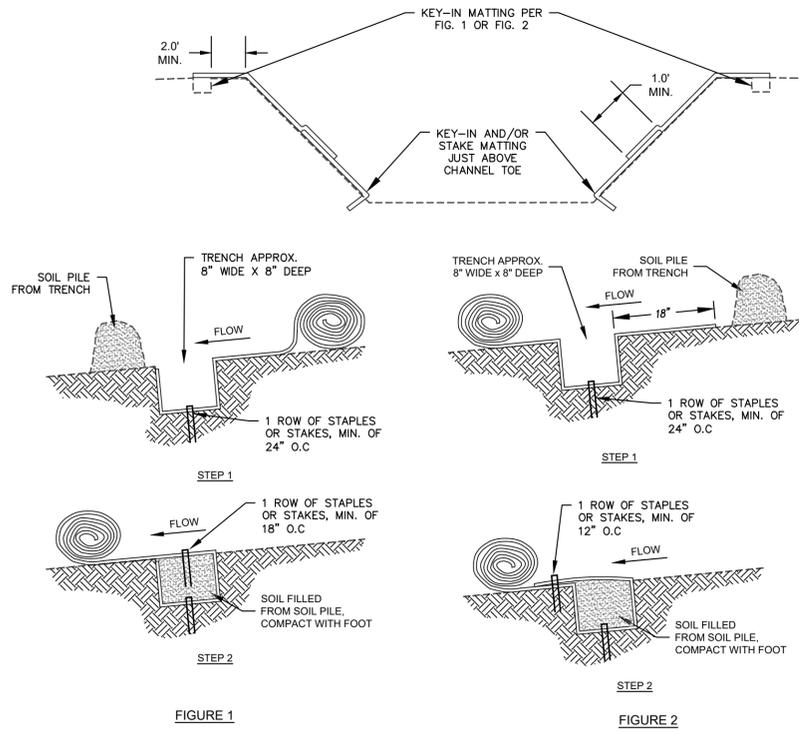
CUT 8" x 8" TRENCH ALONG TOP OF BANK FOR MAT TERMINATION AS SHOWN IN FIGURES 1 & 2. EXTEND MAT 2 TO 3 FEET PAST TOP OF BANK.

PLACE ADJACENT ROLLS IN THE ANCHOR TRENCH WITH A MINIMUM OF 4" OVERLAP. SECURE WITH BIODEGRADABLE STAKES, BACKFILL ANCHOR TRENCH, AND COMPACT SOIL.

STAPLE AT 12" INTERVALS ALONG OVERLAP.

STREAM BANK MATTING TO BE INSTALLED FROM TOE OF BANK TO A MINIMUM OF 2.0' PAST TOP OF BANK. SEE FIGURE 3 FOR TERMINATION AT TOP OF BANK.

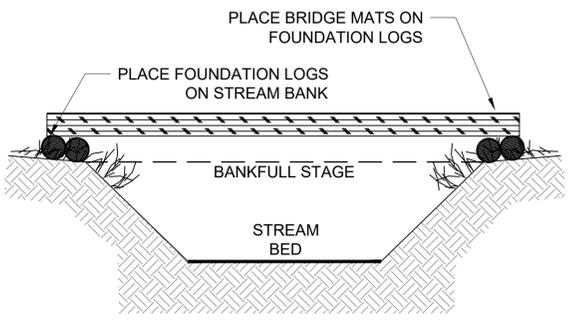
IF MORE THAN ROLL IS REQUIRED TO COVER THE CHANNEL FROM THE TOP OF BANK DOWN TO THE TOE, THEN OVERLAP MATTING BY A MINIMUM OF 1'.



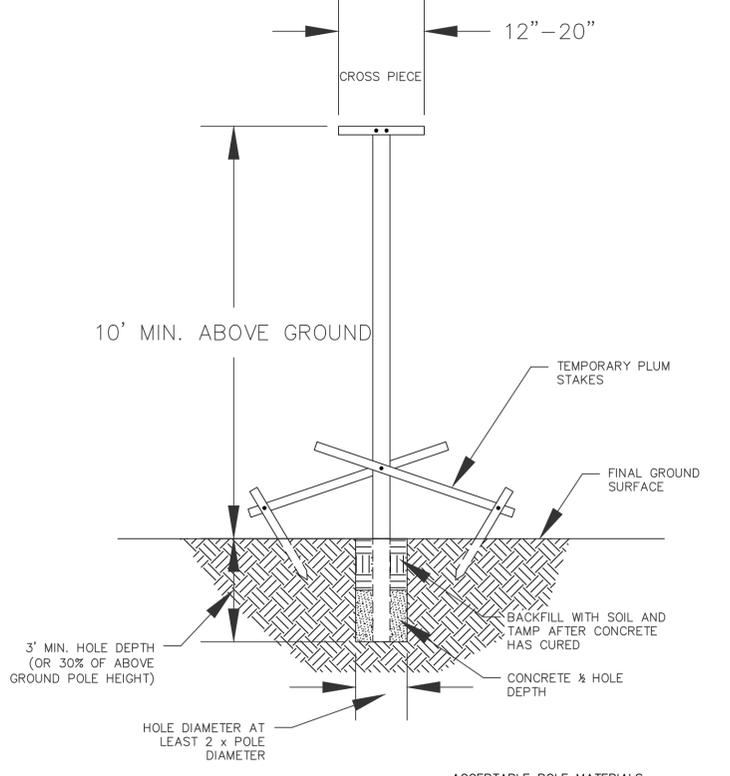
1
D1
EROSION CONTROL MATTING (COIR FIBER MATTING)
NOT TO SCALE

NOTES:

- FOUNDATION LOGS SHALL BE A MIN 10 INCH DIAMETER.
- LAY 70Z NON WOVEN GEOTEXTILE ON BANK BEFORE PLACING FOUNDATION LOGS.
- BRIDGE MATS SHALL BE A LENGTH LONG ENOUGH TO OVERLAP STREAM BY 2-3 FEET ON EITHER BANK.
- MAINTAIN STREAM CROSSING BY REPLACING FOUNDATION LOGS AND BRIDGE MATS AS THEY WEAR.
- TAKE CARE TO REDUCE DIRT FALLING INTO STREAM BY NOT ALLOWING MUD TO BUILD UP ON CROSSING.
- REMOVE CROSSING AT END OF EACH WORK DAY.



4
D1
TEMPORARY STREAM CROSSING
NOT TO SCALE



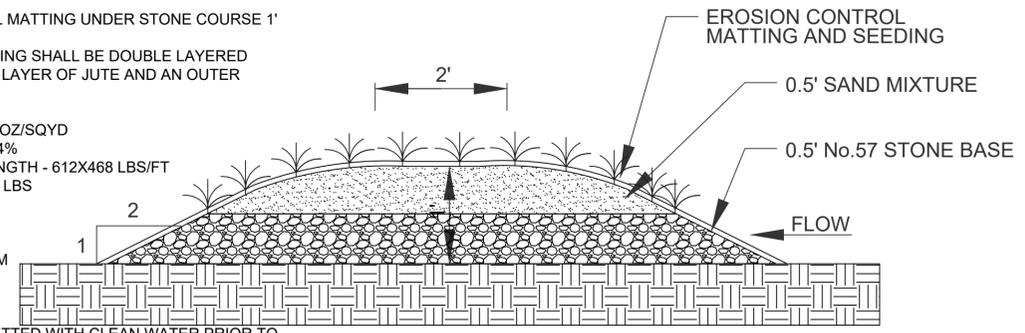
ACCEPTABLE POLE MATERIALS:

- 4"x4" PRESSURE TREATED SYP
- RED CEDAR LOG WITH 6" MIN. LARGE END DIA. AND 3" MIN. SMALL END DIA.

5
D1
RAPTOR POLE
NOT TO SCALE

NOTES:

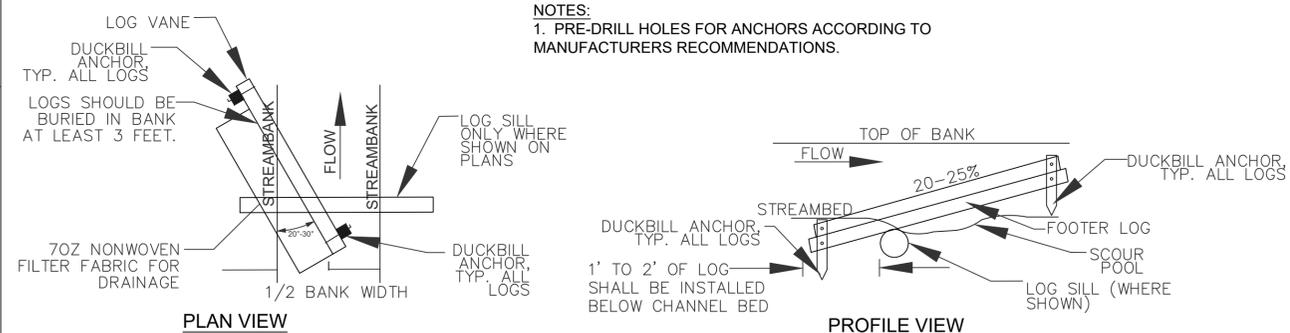
- WRAP EROSION CONTROL MATTING UNDER STONE COURSE 1' MIN.
- EROSION CONTROL MATTING SHALL BE DOUBLE LAYERED MATTERING WITH AN INNER LAYER OF JUTE AND AN OUTER LAYER OF COIR FABRIC. THICKNESS - 0.35 IN. MASS PER UNIT AREA - 38.5 OZ/SQYD. MAX ELONGATION - 46% X 34%. WIDE WIDTH TENSILE STRENGTH - 612X468 LBS/FT. PUNCTURE STRENGTH - 553 LBS. WATER ABSORPTION - 146%. SHEAR STRESS - 5.0 PSF. WATER VELOCITY - 16 FT/S.
- INSTALL SAND IN UNIFORM LAYERS NOT TO EXCEED 8-INCHES THICK PRIOR TO COMPACTION. EACH LAYER SHALL BE THOROUGHLY WETTED WITH CLEAN WATER PRIOR TO COMPACTION. COMPACT EACH LAYER WITH FLAT SIDE OF BUCKET OF EXCAVATOR.



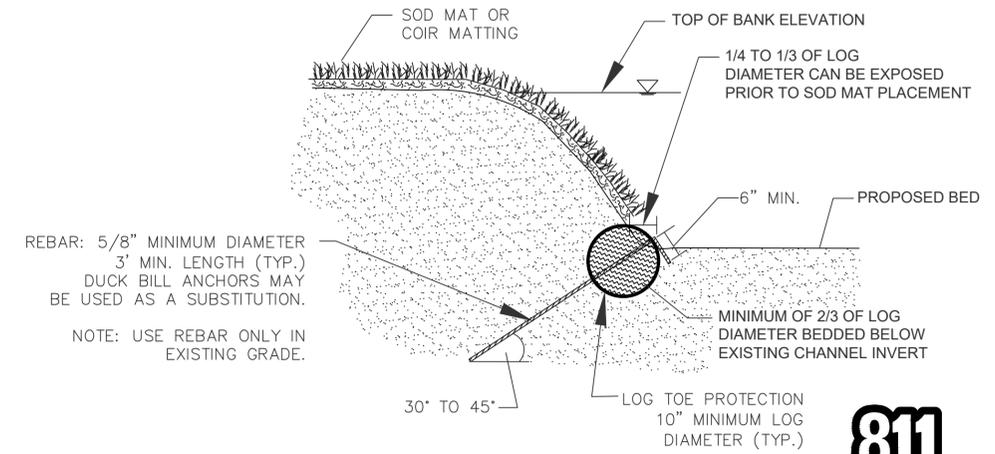
2
D1
SAND/STONE FILTER BERM
NOT TO SCALE

NOTES FOR ALL LOG VANE STRUCTURES:

- LOGS SHOULD BE AT LEAST 10 INCHES IN DIAMETER, RELATIVELY STRAIGHT, AND HARDWOOD.
- VANE LOG ARMS SHOULD BE BURIED INTO THE BANK A MINIMUM OF 3 FEET.
- SET ELEVATION OF TOP OF LOG TO THE STREAMBED ELEVATION AT A DISTANCE OF 1/2 BANKFUL WIDTH FROM STREAMBANKS.
- LOGS SHOULD EXTEND 1' TO 2' INTO THE CHANNEL BED.
- DEPTH OF FOOTER LOG SHOULD EQUAL 1.5 x LOG DIAMETER.
- USE FILTER FABRIC FOR DRAINAGE
- NAIL FILTER FABRIC FOR DRAINAGE TO TOP OF LOGS USING 3" 10d GALVANIZED COMMON NAILS WITHIN A 2' SPACING ALONG LOG.
- NOTCH TOP LOG BY MAKING CUTS WITH A CHAINSAW 1-2" APART AND THEN KNOCKING OUT SECTIONS WITH A CHISEL AND HAMMER.
- ANGLE OF NOTCH SHOULD MATCH ANGLE BETWEEN LOG ARMS OF CROSS VANE AND THE STREAMBANK.
- FOR LOG SILL INSTALLATION, INSTALL LOG SILL 2-3' DOWNSTREAM OF END OF LOG VANE. NOTCH LOG VANE LOGS AS DIRECTED BY ENGINEER. TOP OF LOG SILL LOG SET TO INVERT OF STREAM.



3
D1
LOG STRUCTURE
NOT TO SCALE



6
D1
LOG TOE PROTECTION
NOT TO SCALE

811
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PROFESSIONAL SEAL

REVISION RECORD	DESCRIPTION	DATE	BY

PROJECT NAME:
BROADWAY WETLAND & STREAM IMPROVEMENT

DRAWING TITLE:
DETAILS

PROJ. MGR.: TLM
DESIGN BY: LGD
DRAWN BY: BFL
PROJ. DATE: JAN. 2022
DRAWING NUMBER:
D1
WKD PROJ. NO.:
20210818.00.RA

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