INTERTIDAL & SURF ZONES (STATIONS 5+00 TO 32+00)

1 / CS503

NOT TO SCALE
CONCEPTUAL NOT FOR CONSTRUCTION

VARIES

BACKFILL W/SUITABLE EXCAVATED MATERIAL

5' MINIMUM COVER

ACF CONCRETE CABLE MAT OR TENSAR TRITON MARINE MATTRESS (INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS)

30" DIA. O.D. INTAKE PIPE

30" DIA. O.D. INTAKE PIPE

1.0' MIN.

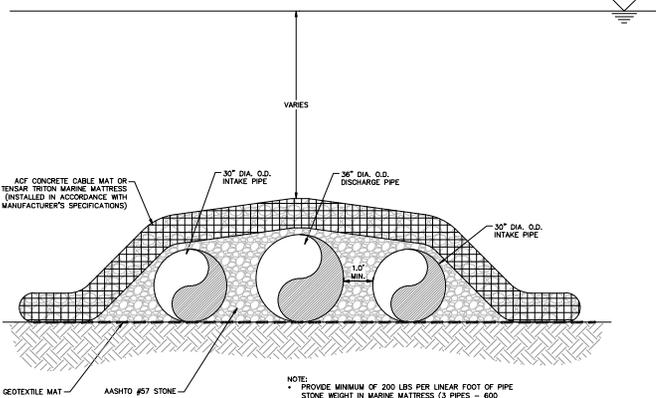GEOTEXTILE MAT

AASHTO #57 STONE

36" DIA. O.D. DISCHARGE PIPE

NOTE:
- PROVIDE MINIMUM OF 200 LBS PER LINEAR FOOT OF PIPE STONE WEIGHT IN MARINE MATTRESS (3 PIPES – 600 LBS/LF)
- PENDING PIPELINE INSTALLATION METHODS CONCRETE COLLARS AT 200 LBS PER LINEAR FOOT PER PIPE MAY BE REQUIRED IN TRENCHED AREAS. TYPICAL SPACING 10 FEET TO 20 FEET.
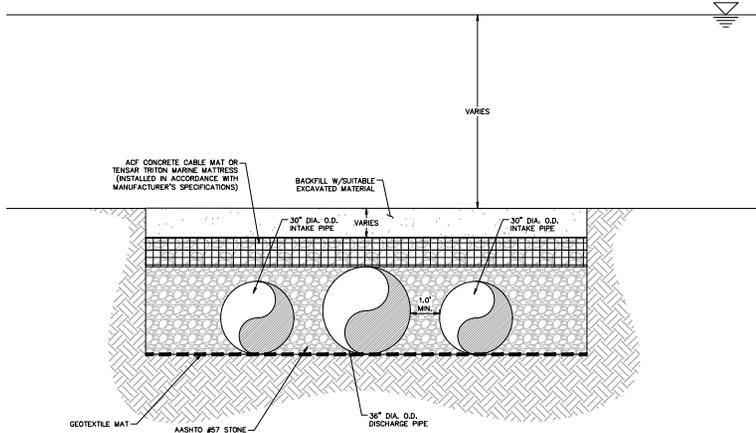
TRANSITION ZONE (STATIONS 32+00 TO 36+00)

2 / CS503

NOT TO SCALE
CONCEPTUAL NOT FOR CONSTRUCTION

VARIES

ACF CONCRETE CABLE MAT OR TENSAR TRITON MARINE MATTRESS (INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS)

BACKFILL W/SUITABLE EXCAVATED MATERIAL

30" DIA. O.D. INTAKE PIPE

VARIES

30" DIA. O.D. INTAKE PIPE

1.0' MIN.

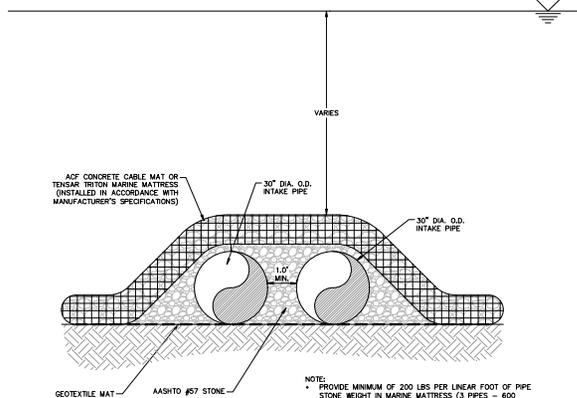GEOTEXTILE MAT

AASHTO #57 STONE

36" DIA. O.D. DISCHARGE PIPE

NOTE:
- PROVIDE MINIMUM 9000 LB CONCRETE COLLAR/WEIGHT WITHIN 10' OF EXPOSURE OF PIPES. PROVIDE ANCHORING USING CHAIN AND PILES OR HELICAL/MANTA RAY SYSTEM. SEE UNDERWATER ZONE (3 PIPE) DETAIL.
- PROVIDE MINIMUM OF 200 LBS PER LINEAR FOOT OF PIPE STONE WEIGHT IN MARINE MATTRESS (3 PIPES – 600 LBS/LF)
- PENDING PIPELINE INSTALLATION METHODS CONCRETE COLLARS AT 200 LBS PER LINEAR FOOT PER PIPE MAY BE REQUIRED IN TRENCHED AREAS. TYPICAL SPACING 10 FEET TO 20 FEET.

UNDERWATER ZONE (3 PIPE)

3 / CS501

NOT TO SCALE
CONCEPTUAL NOT FOR CONSTRUCTION

VARIES

ACF CONCRETE CABLE MAT OR TENSAR TRITON MARINE MATTRESS (INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS)

30" DIA. O.D. INTAKE PIPE

36" DIA. O.D. DISCHARGE PIPE

30" DIA. O.D. INTAKE PIPE

1.0' MIN.

GEOTEXTILE MAT

AASHTO #57 STONE

NOTE:
- PROVIDE MINIMUM OF 200 LBS PER LINEAR FOOT OF PIPE STONE WEIGHT IN MARINE MATTRESS (3 PIPES – 600 LBS/LF)
- MATTRESS MUST BE LONG ENOUGH TO FULLY COVER PIPES AND PROVIDE MINIMUM OF 5 FEET CONTACT WITH SEABED.

UNDERWATER ZONE (2 PIPE)

4 / CS501

NOT TO SCALE
CONCEPTUAL NOT FOR CONSTRUCTION

VARIES

ACF CONCRETE CABLE MAT OR TENSAR TRITON MARINE MATTRESS (INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS)

30" DIA. O.D. INTAKE PIPE

30" DIA. O.D. INTAKE PIPE

1.0' MIN.

GEOTEXTILE MAT

AASHTO #57 STONE

NOTE:
- PROVIDE MINIMUM OF 200 LBS PER LINEAR FOOT OF PIPE STONE WEIGHT IN MARINE MATTRESS (3 PIPES – 600 LBS/LF)
- MATTRESS MUST BE LONG ENOUGH TO FULLY COVER PIPES AND PROVIDE MINIMUM OF 5 FEET CONTACT WITH SEABED.

REV	DESCRIPTION	DATE

ISSUED FOR PERMIT
05-02-19

CURRENT ISSUE STATUS:

TRUE NORTH:

NORDIC AQUAFARMS

BELFAST, MAINE

CIVIL DETAILS - 1

PROJECT MANAGER:

PROJECT NO: 18076

JOB CAPTAIN:

CS501

NOT FOR CONSTRUCTION