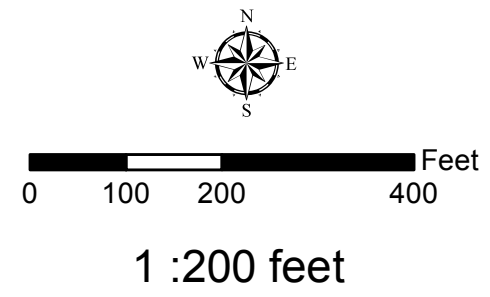
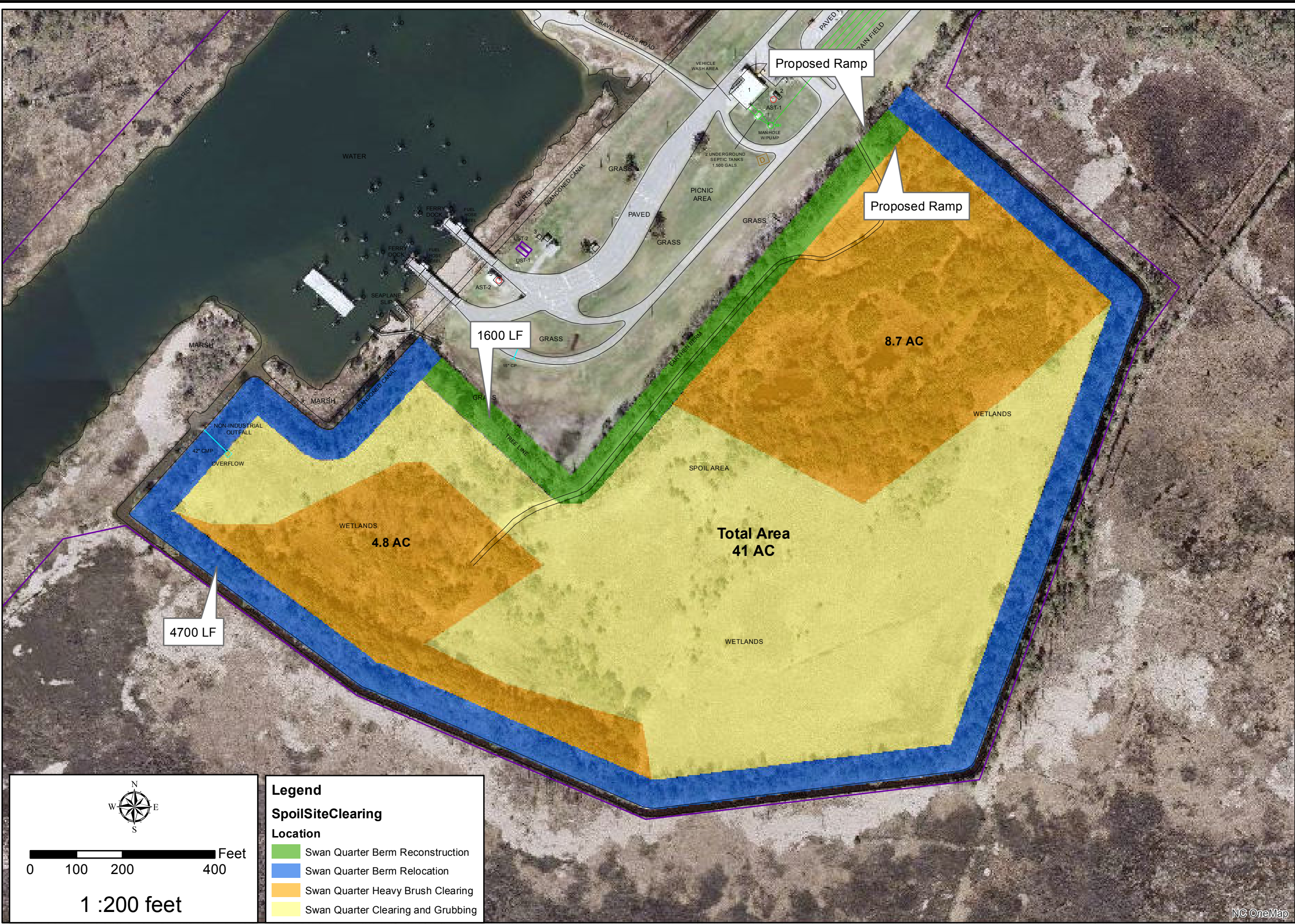


Imagery Date: 2012
 Map Date: April 3, 2014
 Map Scale: 1:200
 Map Produced By: NCDOT Division 1 GIS

Swan Quarter Spoil Site
 North Carolina Department of Transportation
 Division 1
Spoil Site Clearing
 Hyde County, North Carolina



Legend	
SpoilSiteClearing Location	
■	Swan Quarter Berm Reconstruction
■	Swan Quarter Berm Relocation
■	Swan Quarter Heavy Brush Clearing
■	Swan Quarter Clearing and Grubbing

NC OneMap

FLOATING TURBIDITY CURTAIN:

Description
This work consists of the installation of a Floating Turbidity Curtain to deter silt suspension and movement of silt particles during construction. The floating turbidity curtain shall be constructed at locations as directed.

Materials
The curtain material shall be made of a tightly woven nylon, plastic or other non-deteriorating material meeting the following specifications:

Property	Value
Grab tensile strength	*md-370 lbs *cd-250 lbs
ullen burst strength	480 psi
Trapezoid tear strength	*md-100 lbs *cd-60 lbs
Aperture opening size	70 US standard sieve
Percent open area	4% permeability 0.28 sec-1

*md - machine direction
*cd - cross machine direction

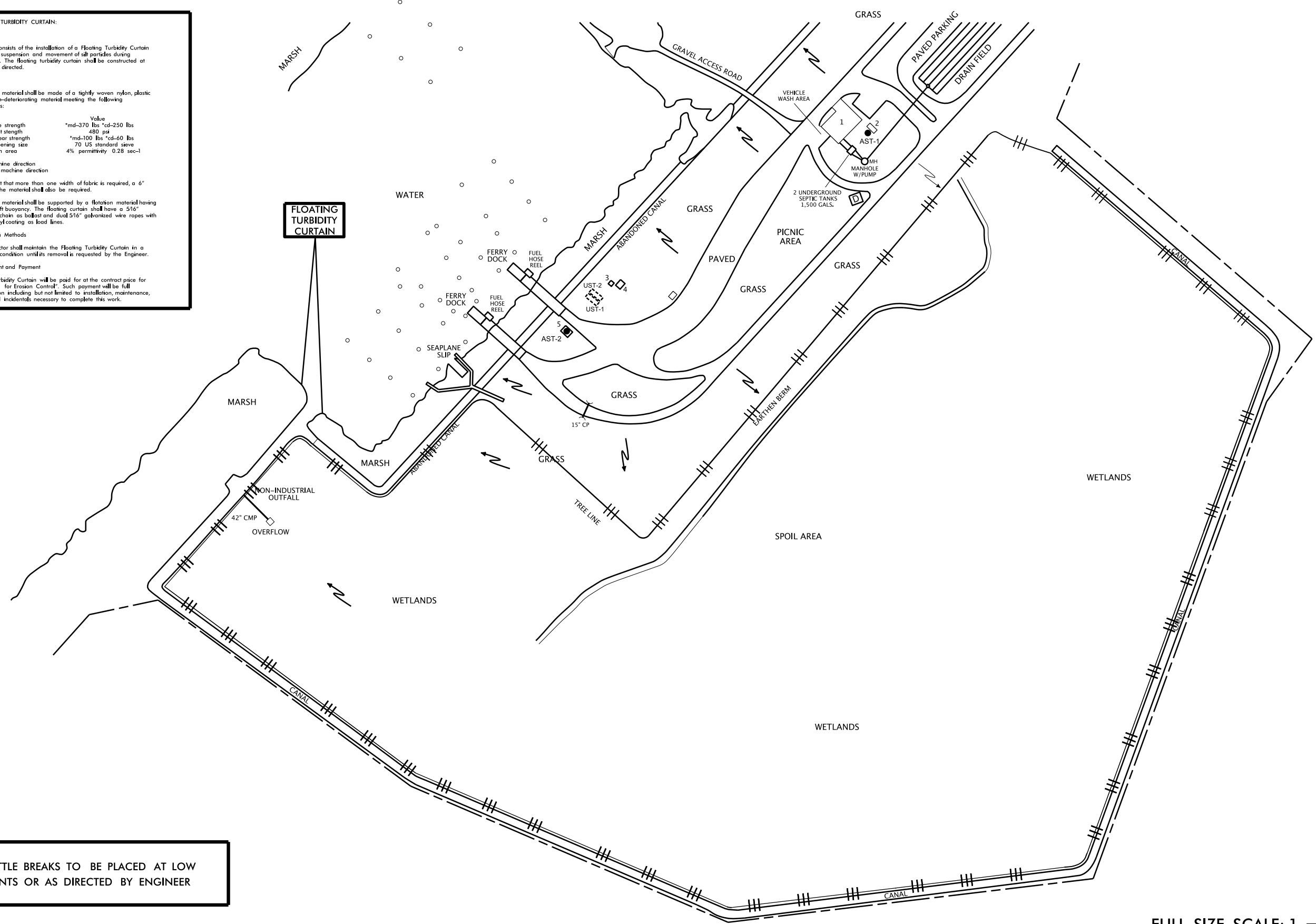
In the event that more than one width of fabric is required, a 6" overlap of the material shall also be required.

The curtain material shall be supported by a flotation material having over 29 lbs/bu buoyancy. The floating curtain shall have a 5/16" galvanized chain as buoys and dual 5/16" galvanized wire ropes with a heavy vinyl coating as load lines.

Construction Methods
The Contractor shall maintain the Floating Turbidity Curtain in a satisfactory condition until its removal is requested by the Engineer.

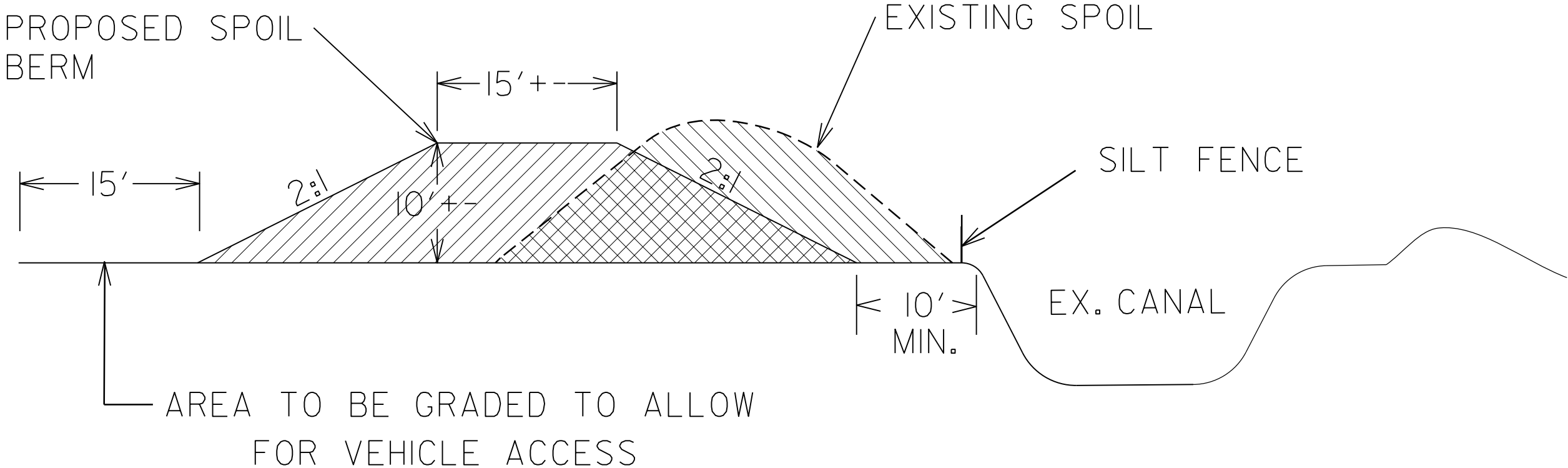
Measurement and Payment
Floating Turbidity Curtain will be paid for at the contract price for "Lump Sum for Erosion Control". Such payment will be full compensation including but not limited to installation, maintenance, removal and incidentals necessary to complete this work.

NOTE: WATTLE BREAKS TO BE PLACED AT LOW POINTS OR AS DIRECTED BY ENGINEER



FULL SIZE SCALE: 1 = 100'
HALF SIZE SCALE: 1 = 200'

PROPOSED TYPICAL FOR BERM RELOCATION

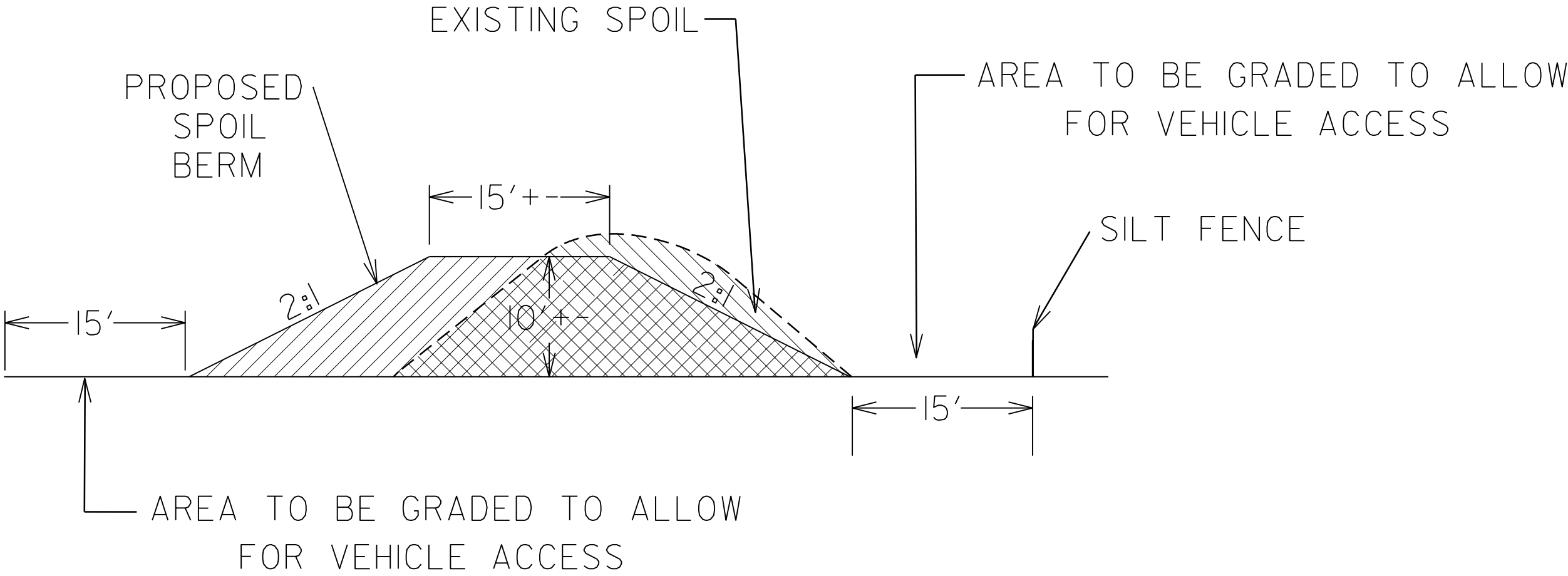


NOTE:

HEIGHT AND WIDTH OF THE TOP OF BERM AND OFFSET FROM CANAL MAY VARY UPON DISCRETION OF THE ENGINEER.

NTS

PROPOSED TYPICAL FOR BERM RECONSTRUCTION



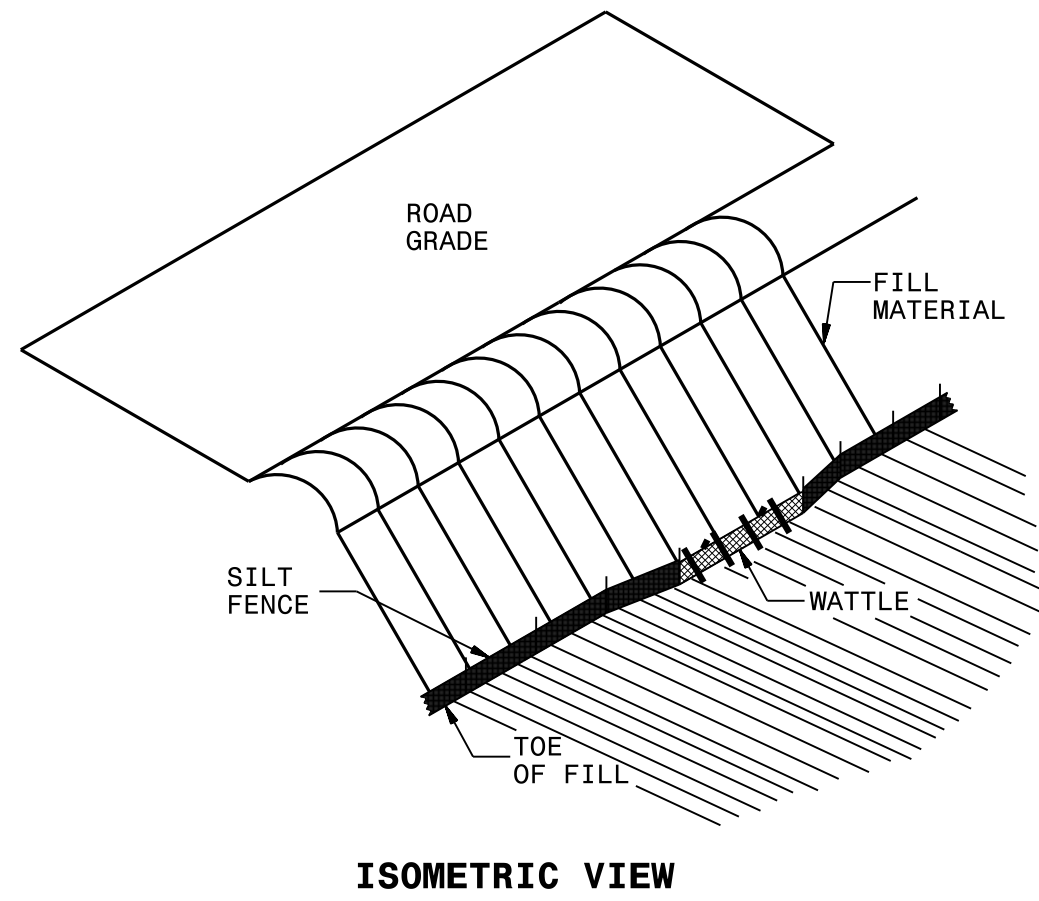
NOTE:

THE CONTRACTOR SHALL GRADE A RAMP SECTION AS NOTED ON PLANS TO ALLOW ACCESS IN AND OUT OF THE SPOIL SITE

NTS

SILT FENCE COIR FIBER WATTLE BREAK DETAIL

PROJECT REFERENCE NO.		SHEET NO.	
		EC-2G	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



NOTES:

USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE AND LENGTH OF 10 FT.

EXCAVATE A 1 TO 2 INCH TRENCH FOR WATTLE TO BE PLACED.

DO NOT PLACE WATTLE ON TOE OF SLOPE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO GROUND.

PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

WATTLE INSTALLATION CAN BE ON OUTSIDE OF THE SILT FENCE AS DIRECTED.

INSTALL TEMPORARY SILT FENCE IN ACCORDANCE WITH SECTION 1605 OF THE STANDARD SPECIFICATIONS.

INSET A

