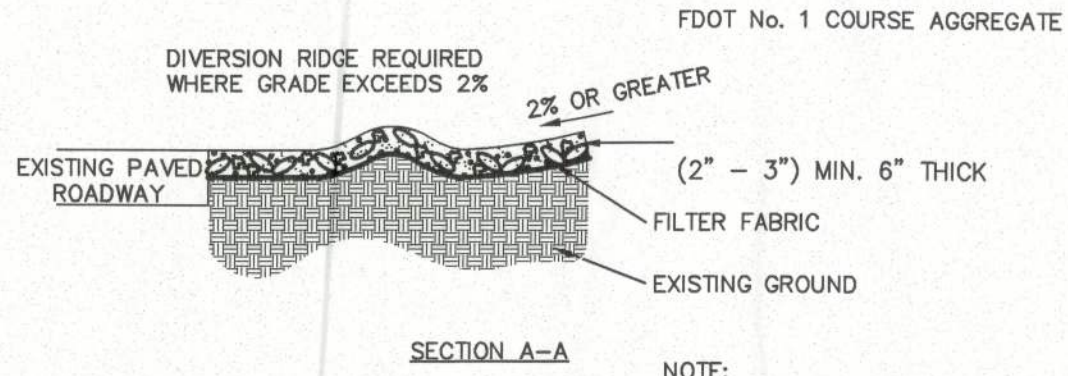
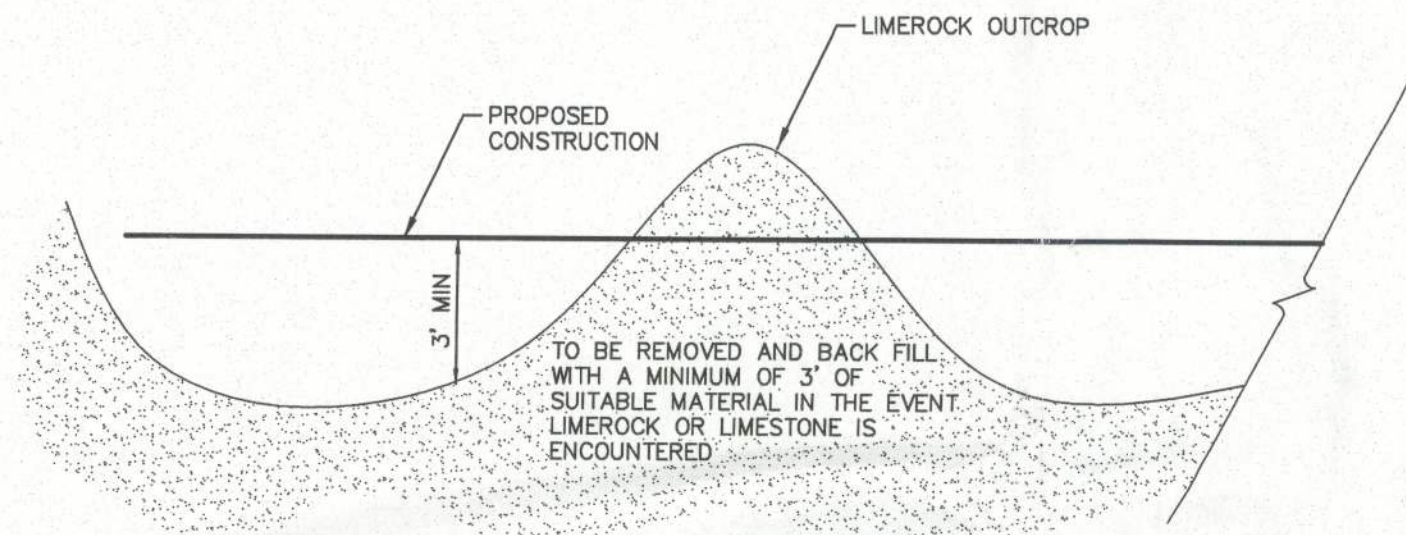


TYPICAL GRAVEL CONSTRUCTION ENTRANCE
N.T.S.



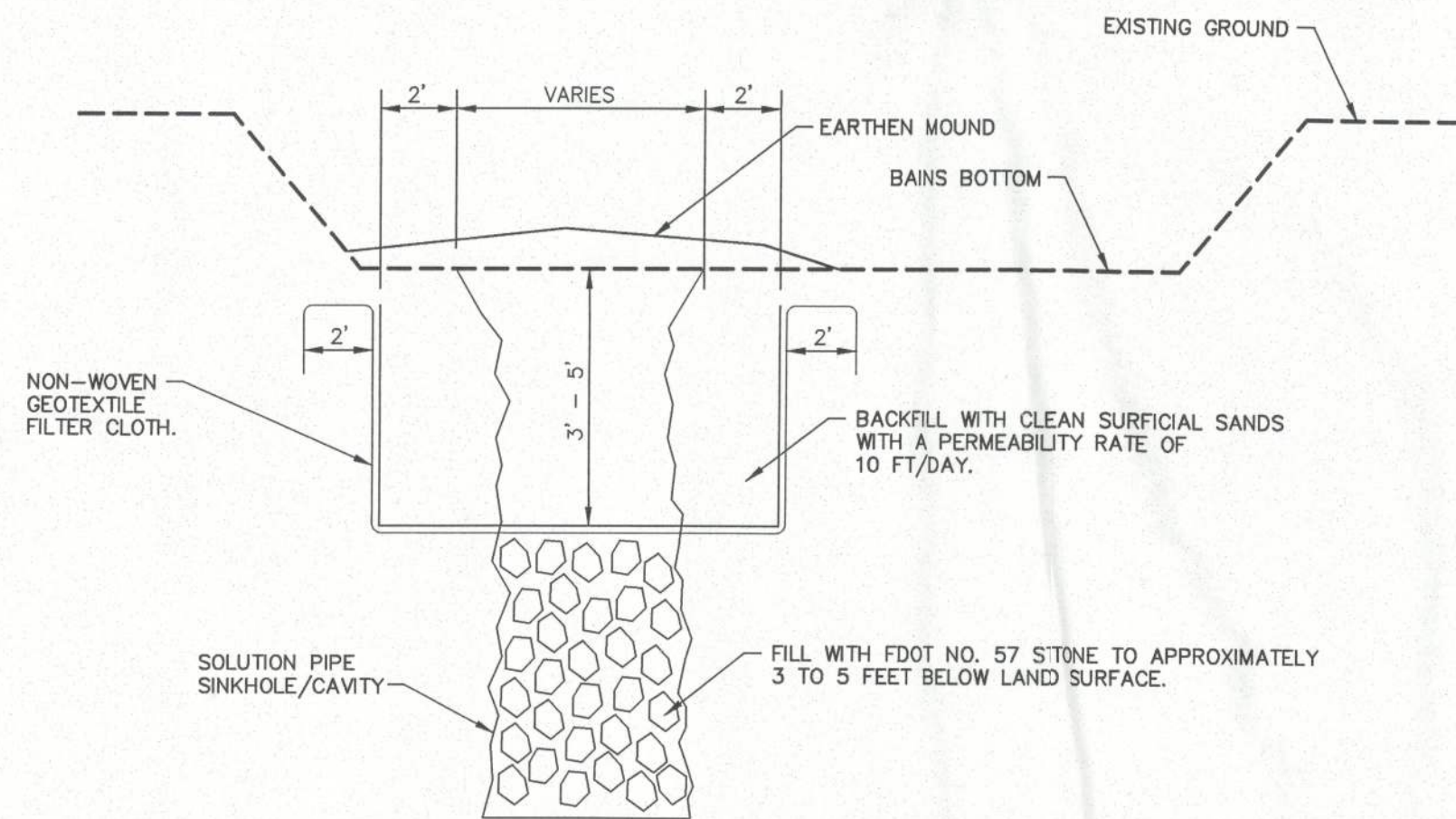
- NOTE:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

NOTE:
USE SANDBAGS STRAW BALES OR OTHER APPROVED METHODS TO CHANNELIZE RUNOFF TO BASIN AS REQUIRED.



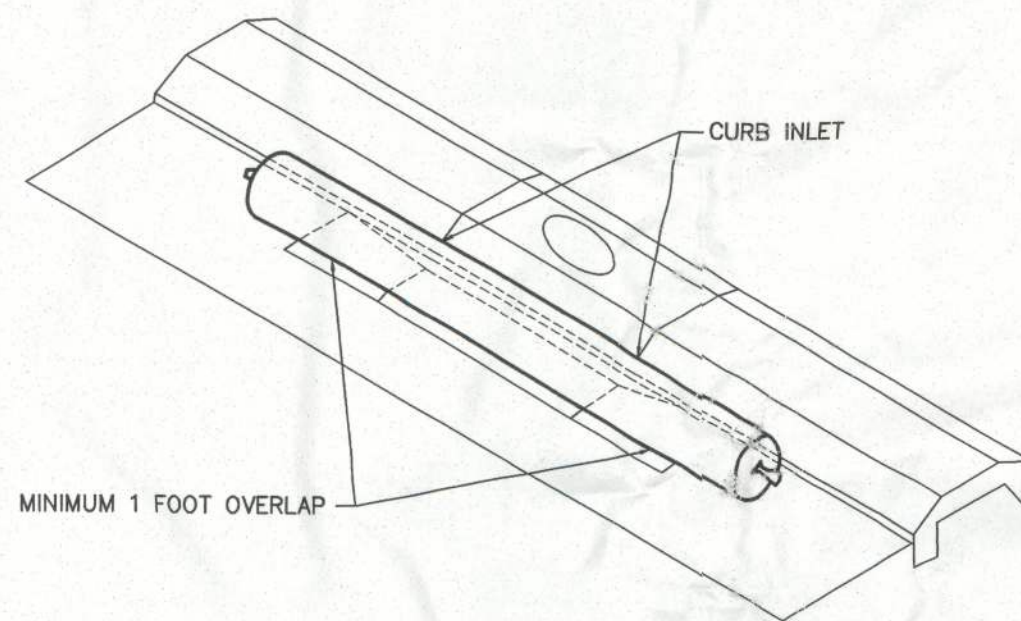
1. IF LIMESTONE OR LIMEROCK OUTCROP IS ENCOUNTERED DURING CONSTRUCTION OF THE BASIN, THE AREA WILL BE OVER-EXCAVATED A MINIMUM OF THREE FEET AND BACKFILLED WITH SUITABLE SOILS TO MEET THE SENSITIVE KARST AREA REQUIREMENTS.
2. IN THE EVENT A SINKHOLE, CAVITIES OR CHIMNEYS DEVELOPS WITHIN THE STORMWATER BASIN, THE FOLLOWING TREATMENT SHALL BE PERFORMED: THE OWNER SHALL NOTIFY SUWANNEE RIVER WATER MANAGEMENT DISTRICT PRIOR TO REMEDIAL ACTION UNLESS POSTPONING THE REPAIR ACTIVITY REPRESENTS AN ENDANGERMENT TO PUBLIC SAFETY. THE SINKHOLE SHALL BE BACKFILLED WITH A SANDY CLAY MIXTURE. THE SANDY CLAY SHALL BE PLACED IN SIX INCH LIFTS WITHIN THE FINAL THREE FEET OF FILL AND ROLLED WITH A HEAVILY LOADED RUBBER TIRE EQUIPMENT. SHOULD SINKHOLE ACTIVITY CONTINUE REPEATEDLY WITHIN A CONFINED AREA, THE OWNER SHALL CONSULT A GEOTECHNICAL ENGINEER TO DETERMINE WHETHER ANY ALTERNATIVE REMEDIAL MEASURES ARE REQUIRED.

LIMEROCK OUTCROP REMEDIATION DETAIL
N.T.S.

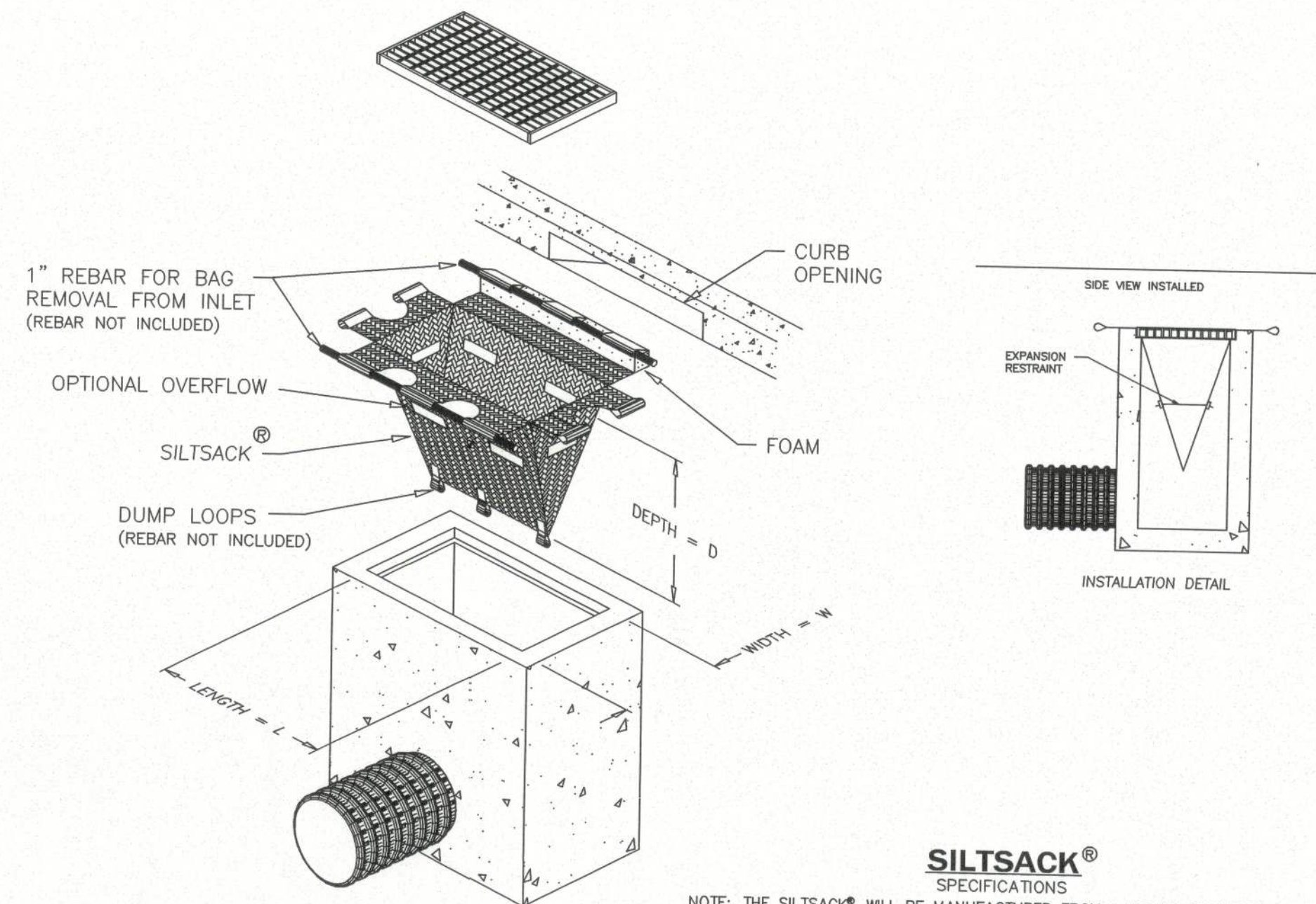


IF A SOLUTION PIPE SINKHOLE DOES FORM IN THE STORMWATER BASIN THEN THE SINKHOLE SHALL BE REPAIRED BY BACKFILLING WITH NO. 57 STONE TO APPROXIMATELY 3 TO 5 FEET BELOW LAND SURFACE. AN AREA AT LEAST 6' BEYOND THE EDGES OF THE CHIMNEY SHOULD BE EXCAVATED TO THE TOP OF THE GRAVEL. A NON-WOVEN GEOTEXTILE FILTER CLOTH SHOULD BE PLACED AT THE BOTTOM OF THE EXCAVATION AND THE EXCAVATION SHOULD BE BACKFILLED WITH CLEAN SAND HAVING A VERTICAL COEFFICIENT OF PERMEABILITY OF 10 FEET PER DAY. THE MATERIAL SHALL BE COMPACTED AND THE SINKHOLE REPAIR SHOULD BRING THE SURFACE BACK TO AN ELEVATION WHICH IS SLIGHTLY ABOVE THE ORIGINAL BOTTOM, CREATING A SMALL MOUND.

SOLUTION PIPE/CHIMNEY REPAIR DETAIL
N.T.S.



GUTTERBUDDY TYPICAL DETAIL
N.T.S.



REGULAR FLOW SILTSACK®
(FOR AREAS OF LOW TO MODERATE PRECIPITATION AND RUN-OFF)

PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4633	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC -1

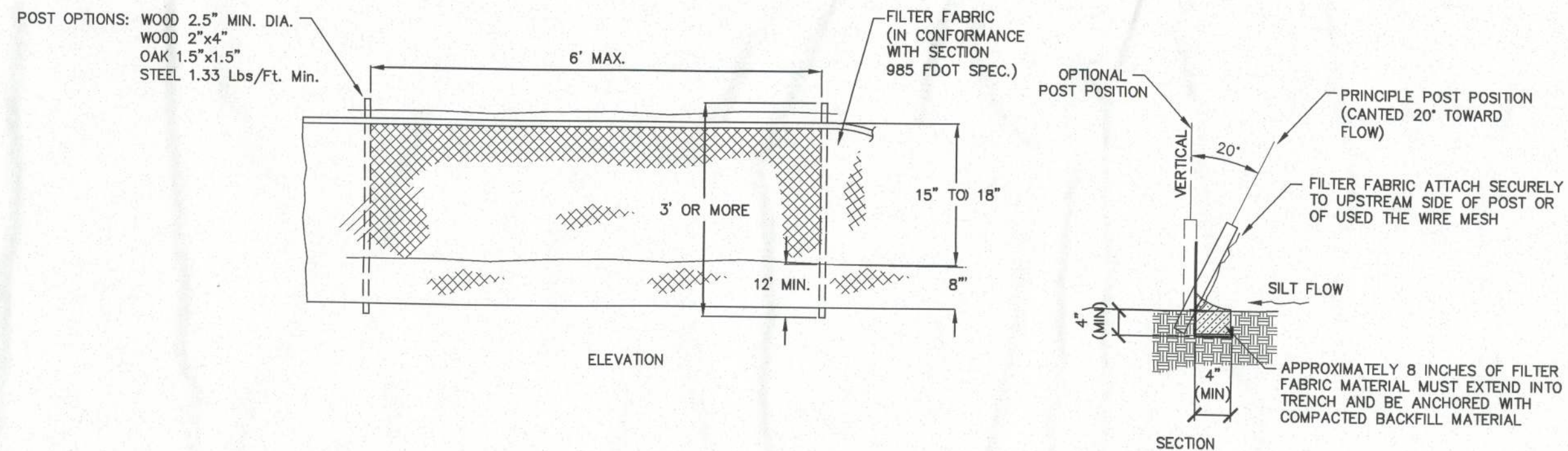
HI-FLOW SILTSACK®
(FOR AREAS OF MODERATE TO HEAVY PRECIPITATION AND RUN-OFF)

PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4633	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	1.5 SEC -1

OIL-ABSORBANT SILTSACK®
(FOR AREAS WHERE THERE IS A CONCERN FOR OIL RUN-OFF OR SPILLS)

DEPENDING ON YOUR PARTICULAR APPLICATION, THE SILTSACK® CAN BE MADE FROM EITHER ONE OF THE ABOVE FABRICS WITH AN OIL-ABSORBANT PILLOW INSERT OR, MADE COMPLETELY FROM AN OIL-ABSORBANT SILTSACK® WITH A WOVEN PILLOW INSERT.

DETAIL OF INLET SEDIMENT CONTROL DEVICE WITH CURB DEFLECTOR
NTS



TYPE III SILT FENCE DETAIL
N.T.S.

SCALES:
AS SHOWN



ENG. DENMAN & ASSOCIATES, INC.
ENGINEERS - SURVEYORS - PLANNERS
2904 N.W. 43RD ST. GAINESVILLE, FLORIDA 32604-4002
TEL. (352) 372-3541 FAX (352) 372-7249
E-MAIL: DENMAN@HDAFLA.COM

CLAY ELECTRIC COOPERATIVE
LAKE CITY DISTRICT OFFICE
COLUMBIA COUNTY, FLORIDA

MASTER EROSION & SEDIMENTATION
CONTROL DETAIL PLAN

Project:	BID SET	Drawn:	TAR
Designed:	SJR	Date:	02/17/12
Project No.:	11-121	Professional Engineer of Record:	
Engineer:		Certificate No.:	

Sheet No.:

C4.10

Comment

Date

No.

REVISION

NOT FOR CONSTRUCTION