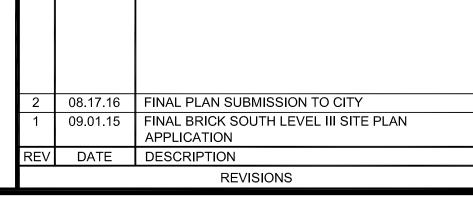


RUNOFF WATER >

STONE FILTER -

WITH SEDIMENT

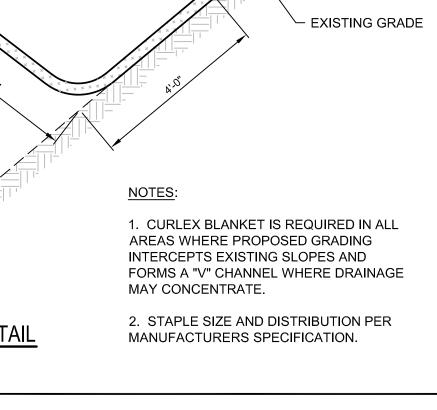


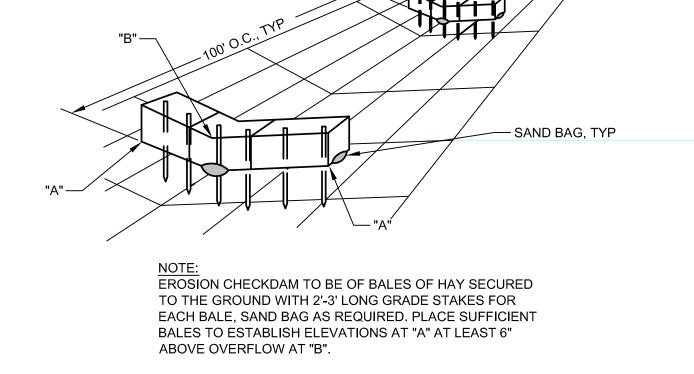
BRICK NORTH AND SOUTH BUILDINGS A THE FOREFRONT AT THOMPSON'S POINT **EROSION AND SEDIMENT** CONTROL DETAILS CHECKED: SRB FILE NAME: 2982.05-BS DET FOREFRONT PARTNERS |, LP SHEET

STANTEC CONSULTING SERVICES INC. 482 PAYNE ROAD **Stantec** SCARBOROUGH, ME 04074 WWW.STANTEC.COM DRAWN: DED APRIL 2015 DESIGNED: BEK SCALE: N.T.S.

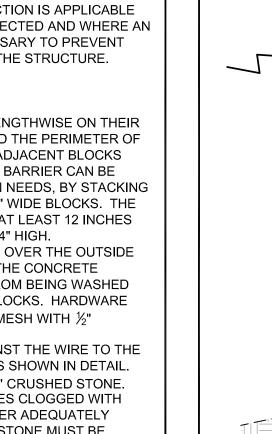
JOB NO. 195350044

C-8.5



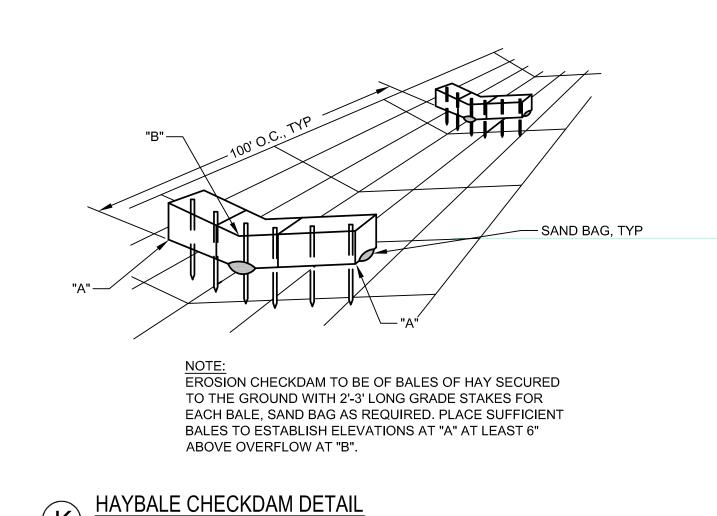


1" REBAR FOR -**BAG REMOVAL** FROM INLET (REBAR NOT INCLUDED) OPTIONAL OVERFLOW SILTSACK ® -DUMP LOOPS -(REBAR NOT INCLUDED) **EXPANSION** -RESTRAINT



OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. 1. PLACE CONCRETE BLOCKS LENGTHWISE ON THEIR SIDES IN A SINGLE ROW AROUND THE PERIMETER OF THE INLET, WITH THE ENDS OF ADJACENT BLOCKS ABUTTING. THE HEIGHT OF THE BARRIER CAN BE VARIED, DEPENDING ON DESIGN NEEDS, BY STACKING COMBINATIONS OF 4", 8" AND 12" WIDE BLOCKS. THE BARRIER OF BLOCKS SHALL BE AT LEAST 12 INCHES HIGH, AND NO GREATER THAN 24" HIGH. 2.WIRE MESH SHALL BE PLACED OVER THE OUTSIDE VERTICAL FACE (WEBBING) OF THE CONCRETE BLOCKS TO PREVENT STONE FROM BEING WASHED

PROPOSED GRADE (SHAPE VARIES) INSTALL CURLEX BLANKET BY AMERICAN EXCELSIOR CO. AT SLOPE INTERFACE



NOTE: REQUIRED FOR ALL INLETS SIDE VIEW INSTALLED INSTALLATION DETAIL

N $\frac{\text{SILTSACK}^{\text{®}}}{\text{N.T.S.}}$ DETAIL AND SPECIFICATIONS

BO KENNEDY No. 1199408.17.16

08.17.16 CENSE

P.E. BO KENNEDY

LIC. #11994

GRAB TENSILE STRENGTH

APPARENT OPENING SIZE

HI-FLOW SILTSACK®

GRAB TENSILE STRENGTH

APPARENT OPENING SIZE

GRAB TENSILE ELONGATION

(FOR USE IN LOW POINTS/SAGS)

PUNCTURE

MULLEN BURST

TRAPEZOID TEAR

UV RESISTANCE

FLOW RATE

PUNCTURE

MULLEN BURST

TRAPEZOID TEAR

UV RESISTANCE

FLOW RATE

PERMITTIVITY

PERMITTIVITY

GRAB TENSILE ELONGATION

SPECIFIC APPLICATION WIRE SCREEN -THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE EXPECTED AND WHERE AN STONE -FILTER THROUGH THE HOLES IN THE BLOCKS. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2"

REPLACED.

DROP INLET

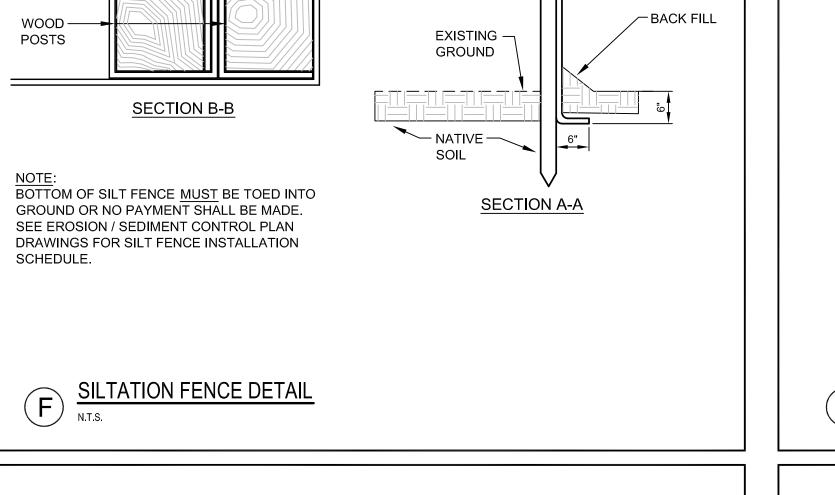
WITH GRATE

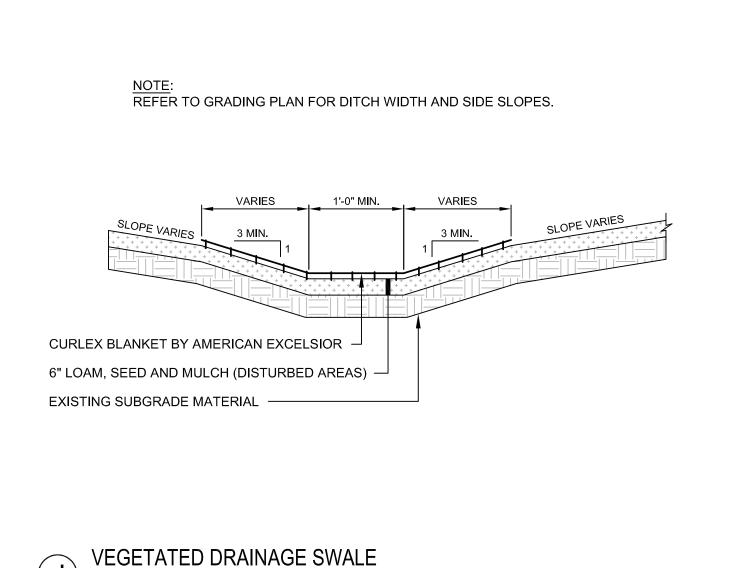
FILTERED

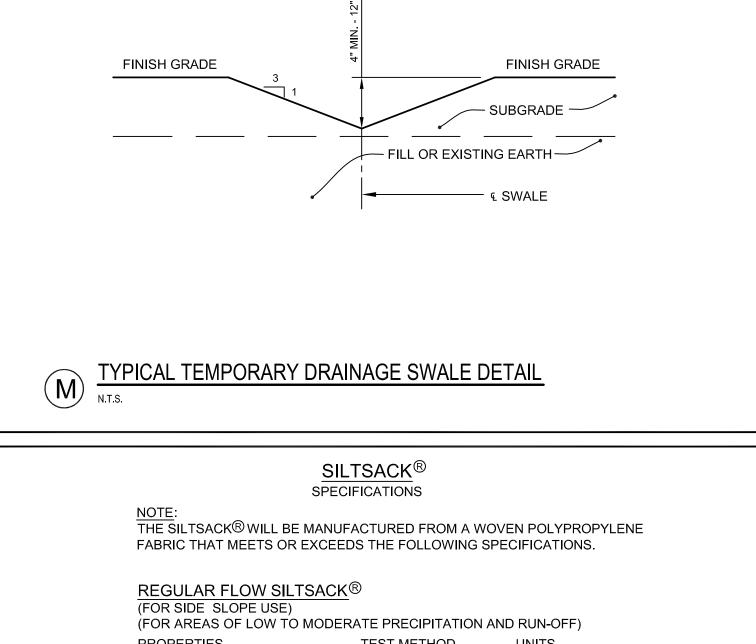
WATER

STONE SEDIMENT BARRIER

OPENINGS SHALL BE USED. 3. STONE SHALL BE PILED AGAINST THE WIRE TO THE TOP OF THE BLOCK BARRIER, AS SHOWN IN DETAIL. THE STONE FILTER SHALL BE 3/4" CRUSHED STONE. 4. IF THE STONE FILTER BECOMES CLOGGED WITH SEDIMENT SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, THE STONE MUST BE PULLED AWAY FROM THE BLOCKS, CLEANED AND 5. PREMANUFACTURED SILT-SACKS ™ MAY BE USED AS AN EQUIVALENT TO STONE SEDIMENT BARRIERS.







ASTM D-4632

ASTM D-4833

ASTM D-3786

ASTM D-4533

ASTM D-4355

ASTM D-4751

ASTM D-4491

ASTM D-4491

ASTM D-4632

ASTM D-4632

ASTM D-4833

ASTM D-3786

ASTM D-4533

ASTM D-4355

ASTM D-4751

ASTM D-4491

ASTM D-4491

(FOR AREAS OF MODERATE TO HEAVY PRECIPITATION AND RUN-OFF)

20%

120 LBS

800 PSI

120 LBS

40 US SIEVE

0.55 SEC -1

265 LBS

135 LBS

420 PSI

45 LBS

20 US SIEVE

1.5 SEC -1

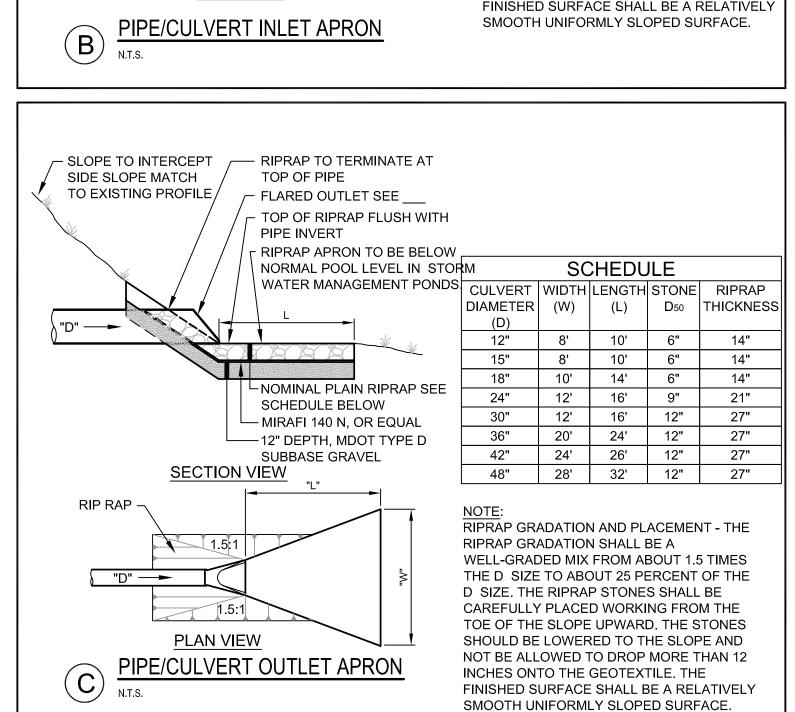
200 GAL/MIN/SQ FT

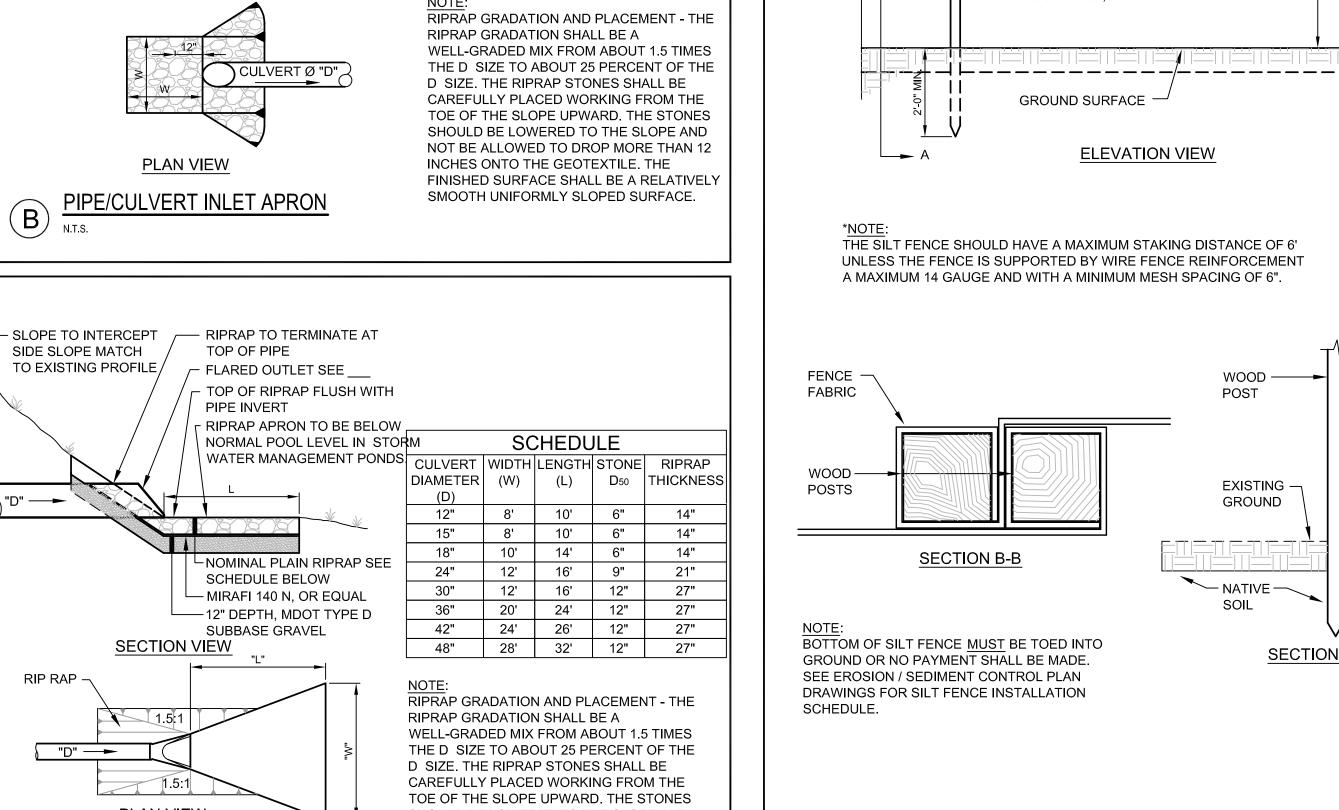
90%

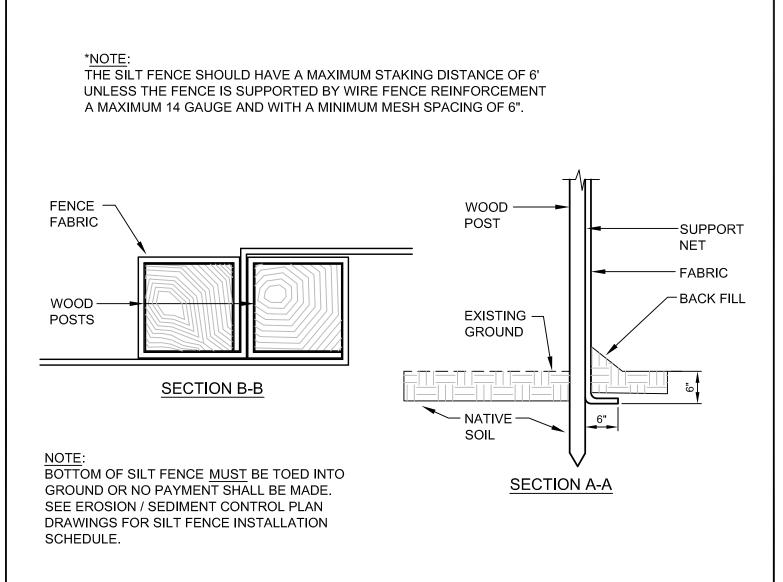
20%

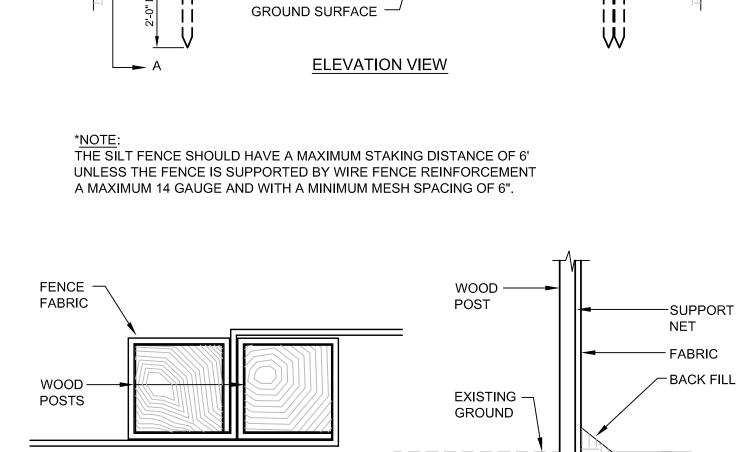
40 GAL/MIN/SQ FT

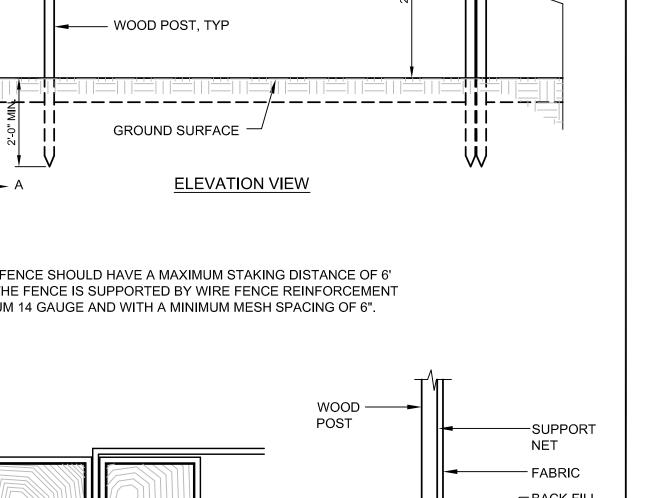
80%

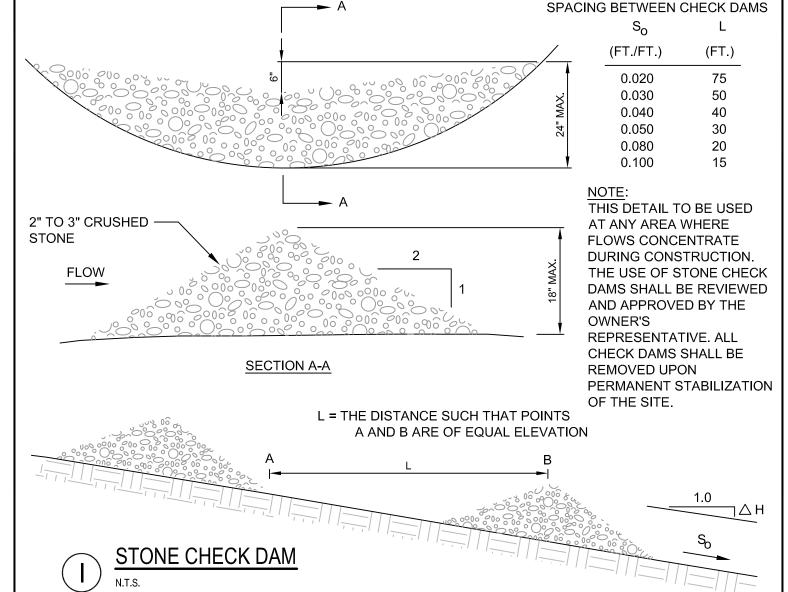












INSTALL RIPRAP SLOPE PROTECTION AS DIRECTED BY THE OWNER'S REPRESENTATIVE OR

GEOTECHNICAL ENGINEER IF REQUIRED, DUE TO DISCOVERED FIELD CONDITIONS, AT NO

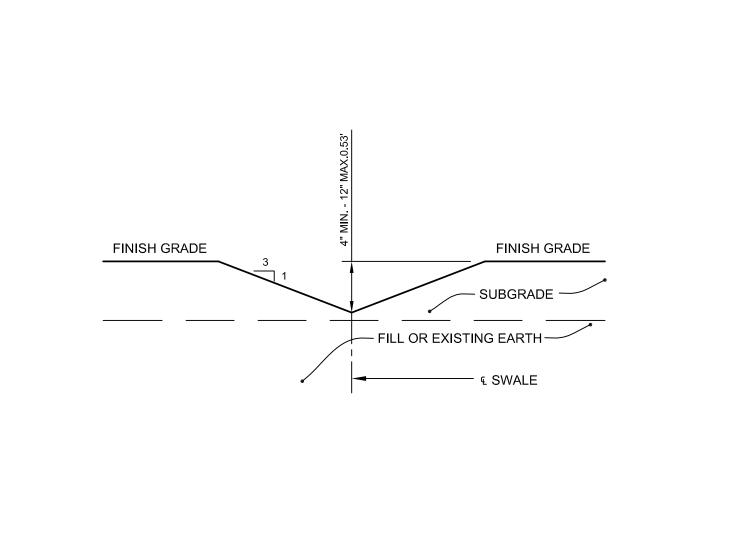
EXTRA EXPENSE TO THE OWNER.

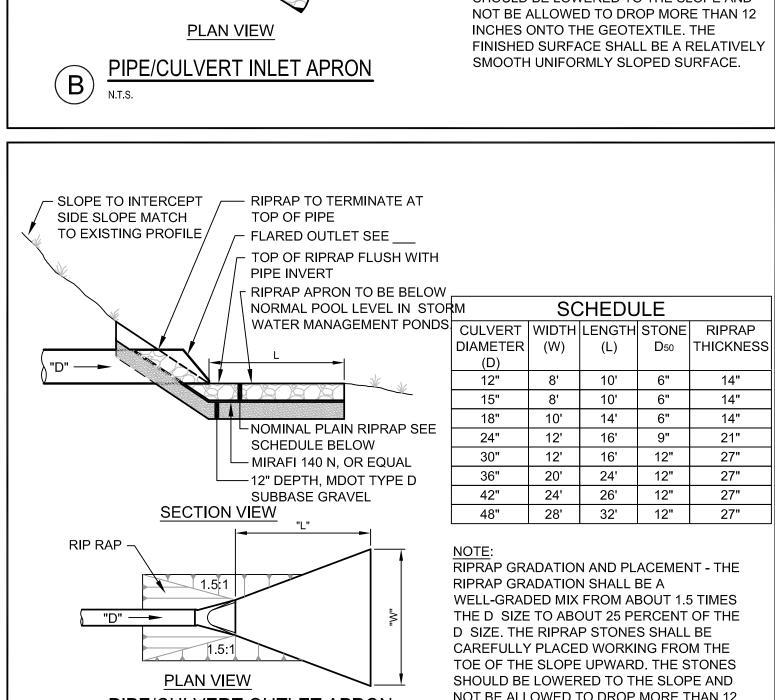
RIPRAP SLOPE PROTECTION DETAIL

PLAIN RIPRAP D₅₀ = 6"

EXISTING -

GRADE





EXISTING

EXISTING

5. WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY

WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED

SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND

AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED

7. 12' X 24' METAL GRATE MAY BE USED. GRATE SHALL BE 25' AWAY FROM PAVEMENT AND APPROPRIATE SEDIMENT CONTROL TRAPPING

— FLARED END, SEE ____

— TOP OF RIP RAP FLUSH

WITH TOP OF PIPE

CULVERT Ø "D" }

►2:1 TO INTERCEPT

- FILTER FABRIC,

EQUAL

SECTION VIEW

MIRAFI 140N OR

DITCH SIDE SLOPE

SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR

6. MAINTENANCE - THE ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF

PROVIDE APPROPRIATE TRANSITION ——

BETWEEN STABILIZED CONSTRUCTION

ENTRANCE AND PUBLIC RIGHT-OF-WAY

2" - 3" CLEAN STONE -

PLAN VIEW

EXISTING GROUND — FILTER CLOTH

CONSTRUCTION SPECIFICATIONS

1. STONE - USE COARSE AGGREGATE (2 - 3 INCH STONE)

3. THICKNESS - NOT LESS THAN EIGHT (8) INCHES.

DEVICE SHALL BE USED AT GRATE OUTLET POINT.

EXISTING

NOMINAL PLAIN -

12" MDOT 703.06 -

TYPE D SUBBASE

RIPRAP SEE

SCHEDULE

GRAVEL

GRADE

2. LENGTH - AS EFFECTIVE, BUT NOT LESS THAN 100 FEET.

ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

SIDE ELEVATION

4. WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.

WATERCOURSE THROUGH USE OF SAND BAGS, GRAVEL, BOARDS OR OTHER APPROVED METHODS.

STABILIZED CONSTRUCTION ENTRANCE

100' MIN. OR 4X CIRCUMFERENCE OF LARGEST TIRE.

SCHEDULE

CULVERT | WIDTH | STONE | RIPRAF

15" | 4' | 6"

18" | 4' | 6" |

24" | 6' | 6" |

8' 12"

42" 10' 12" 27"

48" | 12' | 12" | 27"

DIAMETER (W) D50 THICKNESS

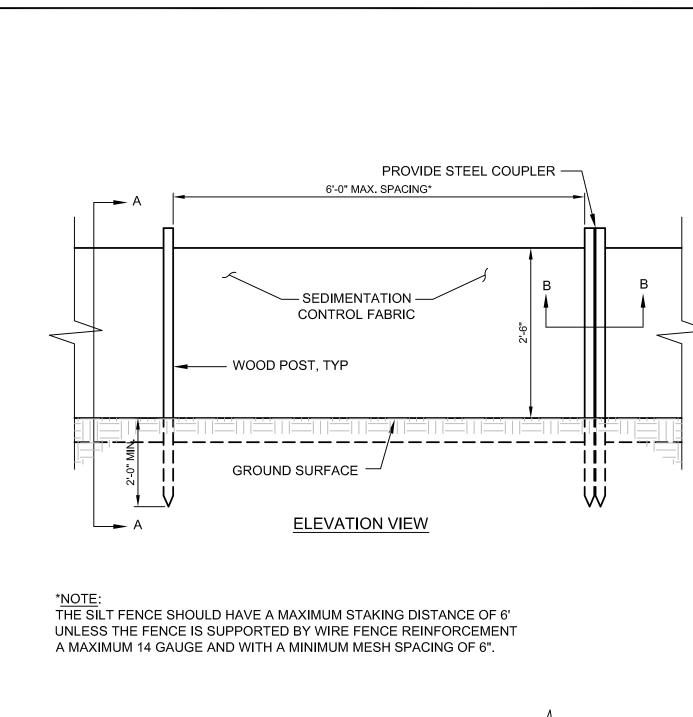
WHICHEVER IS GREATER

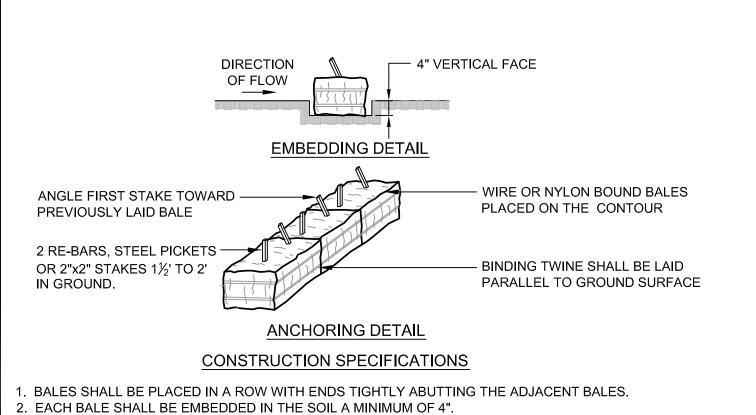
PAVEMEN1

TOGETHER.

IMPEDE STORM FLOW OR DRAINAGE.

STRAW OR HAY BALE BARRIEF





B. BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR RE-BARS DRIVEN THROUGH THE BALES.

4. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD PREVIOUSLY LAID BALE TO FORCE BALES

5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR

