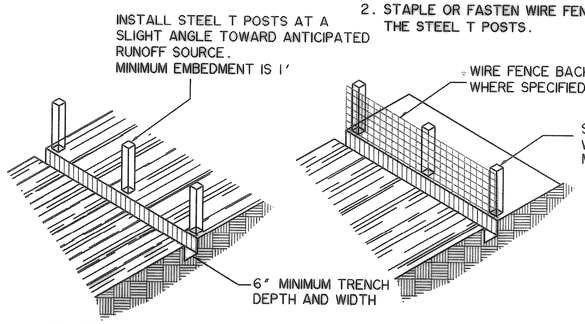
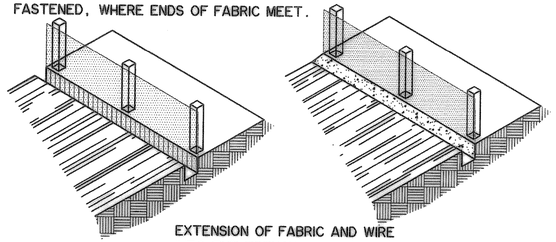
1. SET POSTS AND EXCAVATE A 6″ x 6″ TRENCH UPSLOPE ALONG THE LINE OF POSTS. WHERE FENCE CANNOT BE TRENCHED (e.g. PAVEMENT), WEIGHT FABRIC WITH CRUSHED STONE ON THE UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.



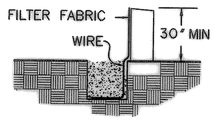
2. STAPLE OR FASTEN WIRE FENCING TO THE STEEL T POSTS.

3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH. THERE SHALL BE A 6″ DOUBLE OVERLAP, SECURELY FASTENED, WHERE ENDS OF FABRIC MEET.

4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



EXTENSION OF FABRIC AND WIRE INTO THE TRENCH.



GENERAL NOTES:

1. WIRE FENCE BACKING WHEN SPECIFIED ON PLANS SHALL BE CONSTRUCTED OF WI.4 X WI.4, 4′ X 4′, ZINC COATED (GALVANIZED) STEEL WOVEN WIRE FENCE FABRIC CONFORMING TO ASTM A116. STANDARD 2′ X 2′ CHAIN LINK FENCE FABRIC IS ACCEPTABLE AS WELL AS OTHER WELDED STEEL FABRICS CONSISTING OF EQUAL OR GREATER GAUGE WIRE AND EQUAL OR SMALLER SPACING AS THAT LISTED HEREIN.
2. SILT FENCE FABRIC SHALL BE NYLON REINFORCED POLYPROPYLENE FABRIC WHICH HAS A BUILT IN CORD RUNNING THE ENTIRE LENGTH OF THE TOP EDGE OF THE FABRIC. THE FABRIC MUST MEET THE FOLLOWING MINIMUM CRITERIA:

TENSILE STRENGTH, ASTM D4632	90 Lbs.,
PUNCTURE RATING, ASTM D4833	60 Lbs.,
MULLEN BURST RATING, ASTM D3786	280 Psi.,
APPARENT OPENING SIZE, U.S. SIEVE No.	70.

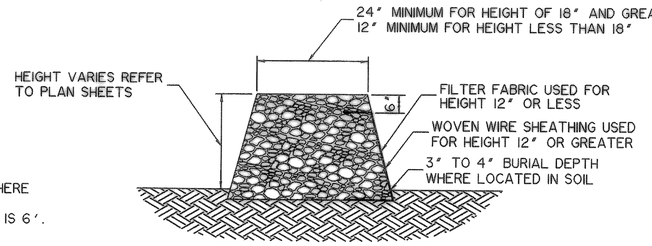
3. STEEL FENCE POSTS, WHEN REQUIRED, MAY BE ROLLED, FORMED, OR TUBULAR IN CROSS-SECTION. ALL POSTS NOT GALVANIZED SHALL BE PAINTED WITH AN APPROVED ANTI-CORROSIVE PAINT.
4. INSPECTION SHALL BE MADE WEEKLY AND AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. SILT FENCE SHALL BE REMOVED WHEN SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
6. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

PRIMARY PURPOSE:
SLOW AND FILTER RUNOFF TO RETAIN SEDIMENT

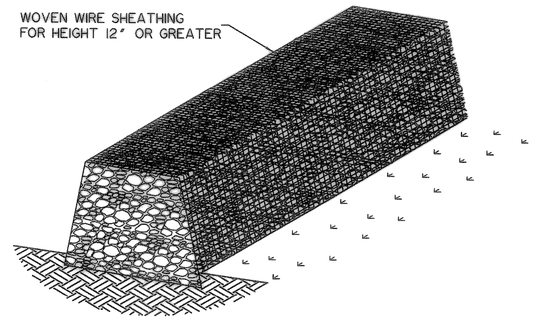
$$\text{RATING} = \frac{\text{SEDIMENT RETAINED}}{\text{TOTAL SEDIMENT LOADING}} = 0.75$$

SILT FENCE DETAIL

N.T.S.



CROSS SECTION



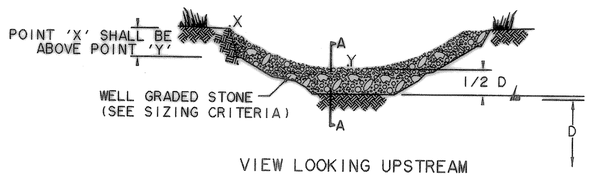
ISOMETRIC PLAN VIEW

GENERAL NOTES:

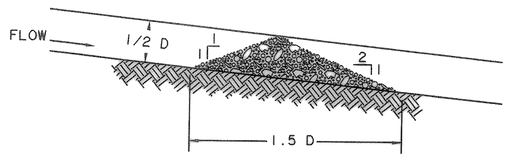
1. USE ONLY OPEN GRADED ROCK 4-8 INCHES IN DIAMETER FOR STREAM FLOW CONDITION. USE OPEN GRADED ROCK 3-5 INCHES IN DIAMETER FOR OTHER CONDITIONS.
2. THE ROCK BERM, IF GREATER THAN 12″ IN HEIGHT, SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING A MAXIMUM OPENING OF 1 INCH AND A MINIMUM WIRE SIZE OF 20 GAUGE AND SHALL BE BURIED IN A TRENCH APPROXIMATELY 3-4 INCHES DEEP WHERE LOCATED IN SOIL.
3. THE ROCK BERM SHALL BE INSPECTED WEEKLY OR AFTER EACH RAIN EVENT AND SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
4. WHEN SILT REACHES A DEPTH EQUAL TO ONE-THIRD OF THE HEIGHT OF THE BERM OR ONE FOOT, WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF PROPERLY.
5. WHEN THE SITE IS COMPLETELY STABILIZED, THE BERM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.
6. SEE SILT FENCE DETAIL GENERAL NOTE No. 2, THIS SHEET, FOR FILTER FABRIC MATERIAL SPECIFICATIONS.

ROCK BERM DETAIL

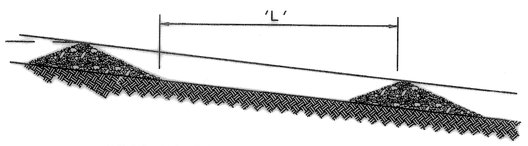
N.T.S.



VIEW LOOKING UPSTREAM



SECTION A - A



SPACING BETWEEN CHECK DAMS

ROCK CHECK DAM

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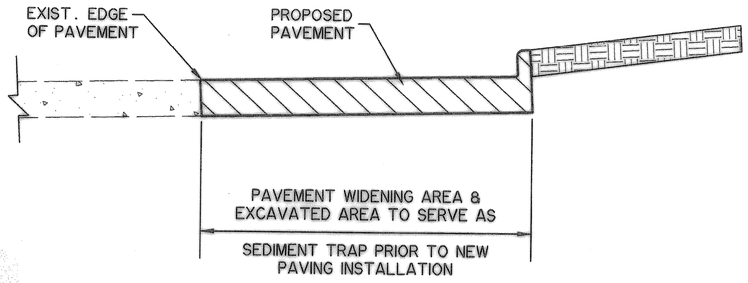

EDGE OF PAVEMENT SEDIMENT TRAP

N.T.S.

RECORD PLANS
AUGUST 29, 2008

PREPARED BY:
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PHASE II S.H. 205 BYPASS
FROM S.H. 276 TO INTERSTATE 30
EROSION CONTROL
DETAILS

STATE OF TEXAS
PHILIP L. GRAHAM
94719
LICENSED
PROFESSIONAL ENGINEER
12/07/07

LAST SHEET EDIT DATE 12-05-2007
WA# 04141

SHEET NO.
E201

TIME 14:27 FILE: ErosionDet1-Phase2.dwg