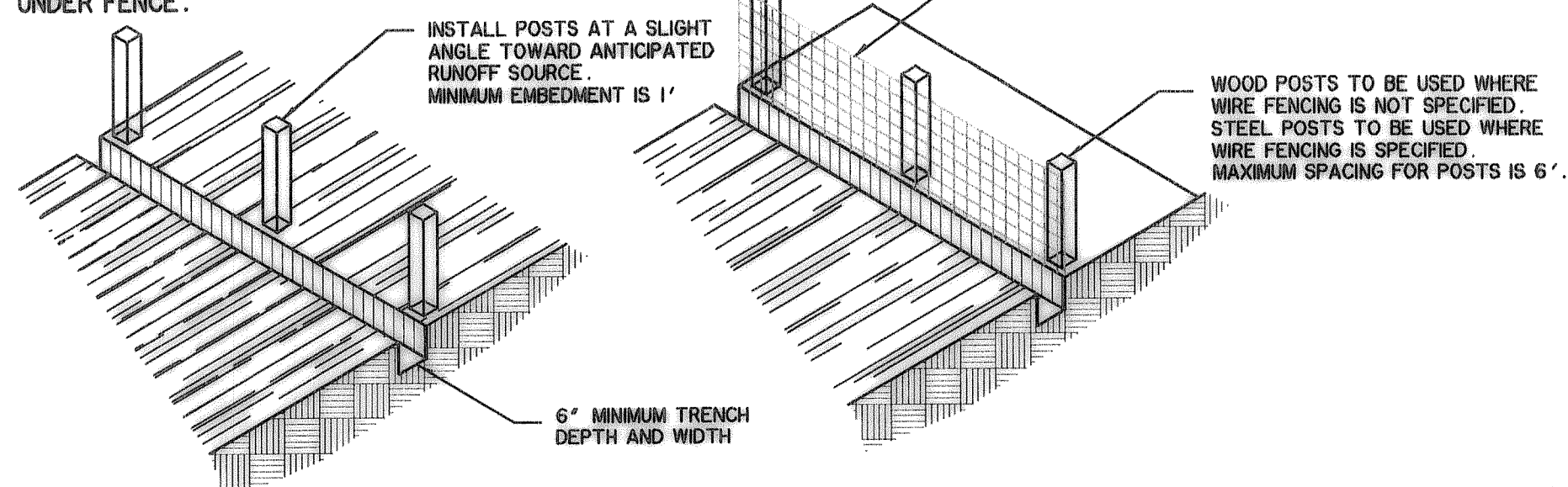


**CONTRACTOR NOTES:**

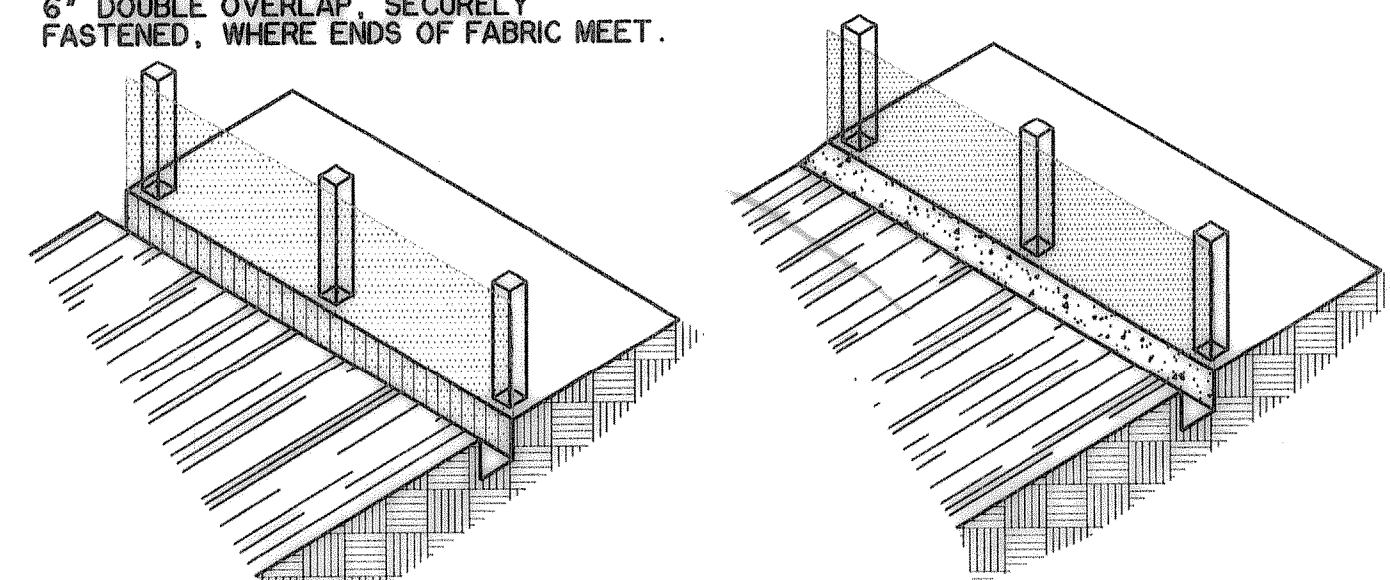
- 1) PROVIDE PLUGS ON ALL STORM DRAIN PIPE STUB OUTS UNTIL DISTURBED AREAS ARE STABILIZED.
- 2) ALL STAGING AREAS, STOCKPILES, SPOILS, ETC., SHALL BE LOCATED SUCH THAT THEY DO NOT ADVERSELY AFFECT THE STORM WATER QUALITY.
- 3) ONSITE FUEL STORAGE TANKS SHALL BE PROTECTED BY A BERMED OR OTHERWISE SPILL PROTECTED AREA.
- 4) A CENTRAL PIT/WASH BASIN SHOULD BE CONSTRUCTED ON SITE FOR THE PURPOSE OF TRUCK WASHING.
- 5) A MAINTENANCE PROGRAM SHALL BE DEVELOPED USING BEST MANAGEMENT PRACTICES FOR THIS PROJECT.
- 6) IN ORDER TO KEEP DISTURBANCE TO A MINIMUM, VEGETATION SHOULD BE RE-ESTABLISHED ON ALL DENUDED AREAS IN A TIMELY MANNER.
- 7) GENERAL CONTRACTOR AND OWNER/DEVELOPER ARE RESPONSIBLE FOR PREVENTING SEDIMENT OR OTHER POLLUTANTS FROM LEAVING THE SITE. CARE SHALL BE EXERCISED TO PREVENT THE FLOW OR OFF-SITE TRACKING OF SEDIMENT OR OTHER POLLUTANT TO FM. 549, S.H. 276, INLETS, STORM SEWERS AND DRAINAGE DITCHES.
- 8) ALL SURFACE AREAS DISTURBED WITHIN OR ADJACENT TO CONSTRUCTION LIMITS MUST BE PERMANENTLY STABILIZED. STABILIZATION IS OBTAINED WHEN THE SITE IS COVERED WITH IMPERVIOUS STRUCTURES, PAVING OR A UNIFORM PERENNIAL VEGETATION COVER. THE PERENNIAL VEGETATION MUST HAVE A COVERAGE DENSITY OF AT LEAST 70 PERCENT. STABILIZATION IS REQUIRED BEFORE TERMINATING MAINTENANCE AND REMOVAL OF EROSION CONTROL MEASURES.
- 9) ALL PERIMETER EROSION CONTROL MEASURES AND ROCK STABILIZED EXIT MUST BE IN PLACE BEFORE STARTING SOIL DISTURBING ACTIVITIES.
- 10) EROSION CONTROL MEASURES THAT PROVE TO BE INEFFECTIVE SHALL BE REPLACED WITH MORE EFFECTIVE MEASURES OR ADDITIONAL MEASURES.

TERMINATION (NOT) FORMS TO THE EPA AND COPIES TO THE CITY OF ROCKWALL.  
 12) FOR ALTERNATIVE STABILIZATION AND EROSION CONTROL MEASURES, REFER TO THE CONSTRUCTION BEST MANAGEMENT PRACTICES (BMP) MANUAL PUBLISHED BY NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS.

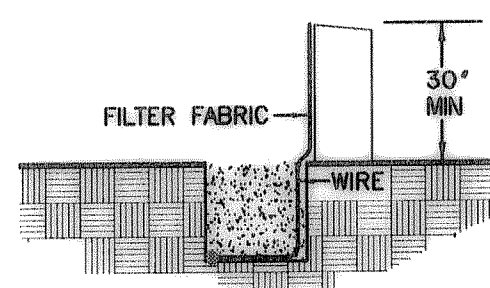
1. SET POSTS AND EXCAVATE A 6" x 6" TRENCH UPSLOPE ALONG THE LINE OF POSTS. WHERE FENCE CANNOT BE TRENCHED (e.g. PAVEMENT), WEIGHT FABRIC WITH A ROCK ON THE UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
2. STAPLE OR FASTEN WIRE FENCING TO THE POSTS.



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:**

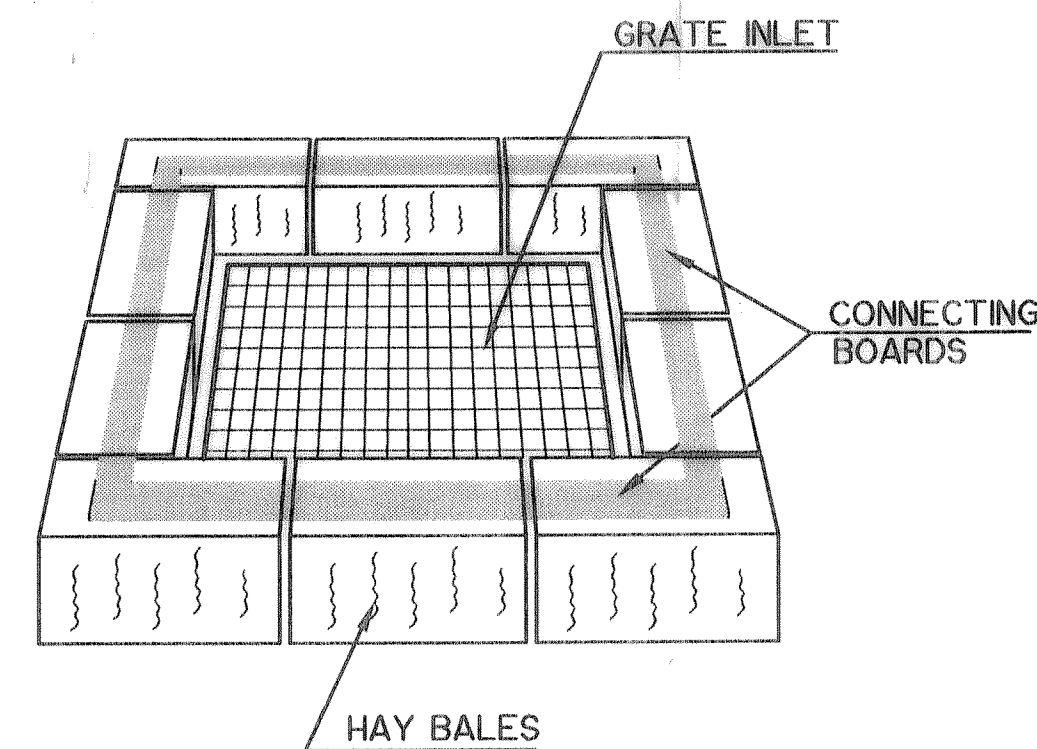
1. WIRE FENCE BACKING WHEN SPECIFIED ON PLANS SHALL BE CONSTRUCTED OF W1.4 X W1.4, 4" X 4", ZINC COATED (GALVANIZED) STEEL WOVEN WIRE FENCE FABRIC CONFORMING TO ASTM A116. STANDARD 2" X 2" CHAIN LINK FENCE FABRIC IS ACCEPTABLE AS WELL AS OTHER WELDED STEEL FABRICS CONSISTING OF EQUAL OR GREATER GAUGE 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. WOOD POSTS, WHEN REQUIRED, SHALL BE 2" X 2" PRESSURE TREATED WOOD STAKES.
5. INSPECTION SHALL BE MADE WEEKLY AND AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. 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

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

**SLT FENCE DETAIL**

N.T.S.

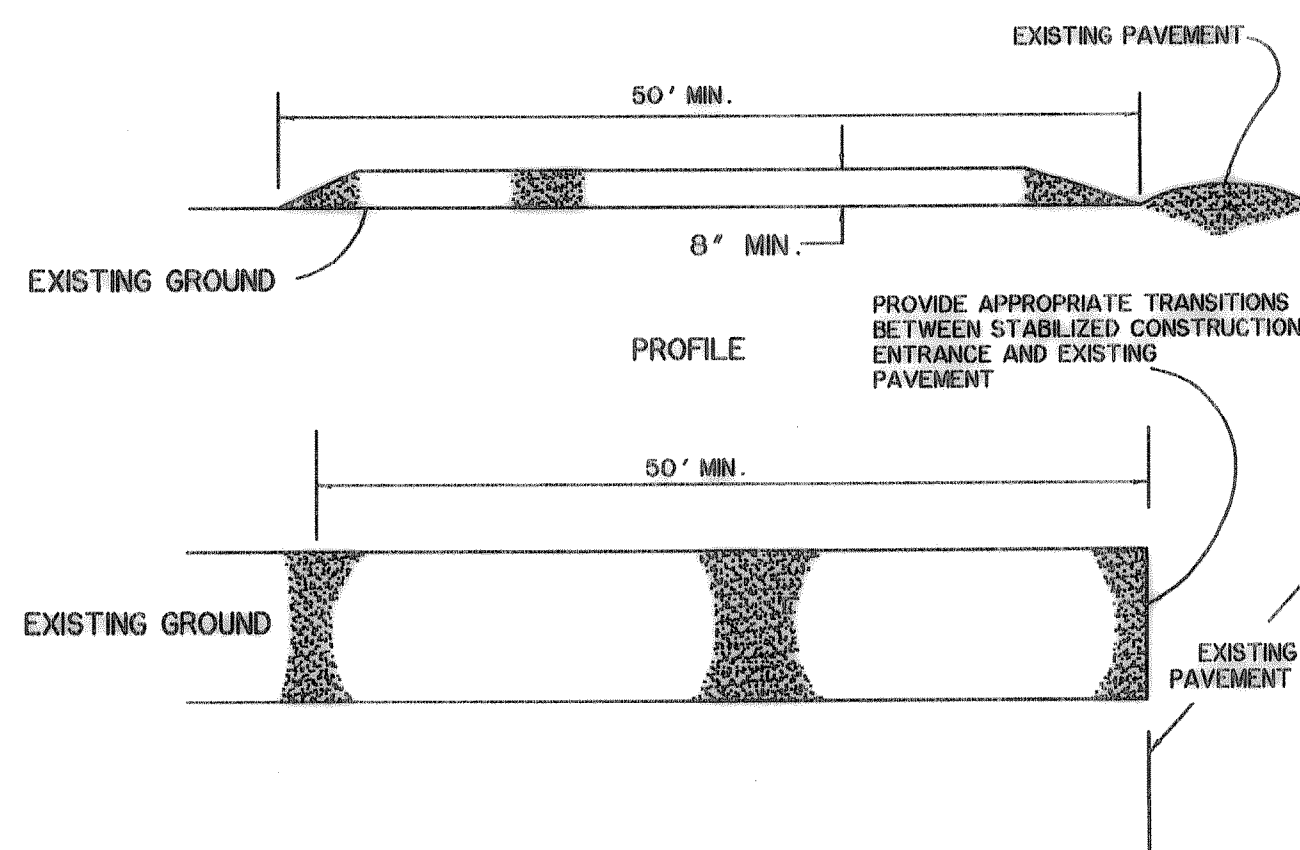


PRIMARY PURPOSE:  
INTERCEPT SEDIMENT AT CURB AND FIELD INLETS. SHOULD BE USED IN CONJUNCTION WITH OTHER ONSITE TECHNIQUES.

$$\text{RATING} = \frac{\text{SEDIMENT RETAINED}}{\text{TOTAL SEDIMENT LOADING}} = 0.67-0.75$$

**STORM DRAIN INLET PROTECTION**

N.T.S.



**GENERAL NOTES:**

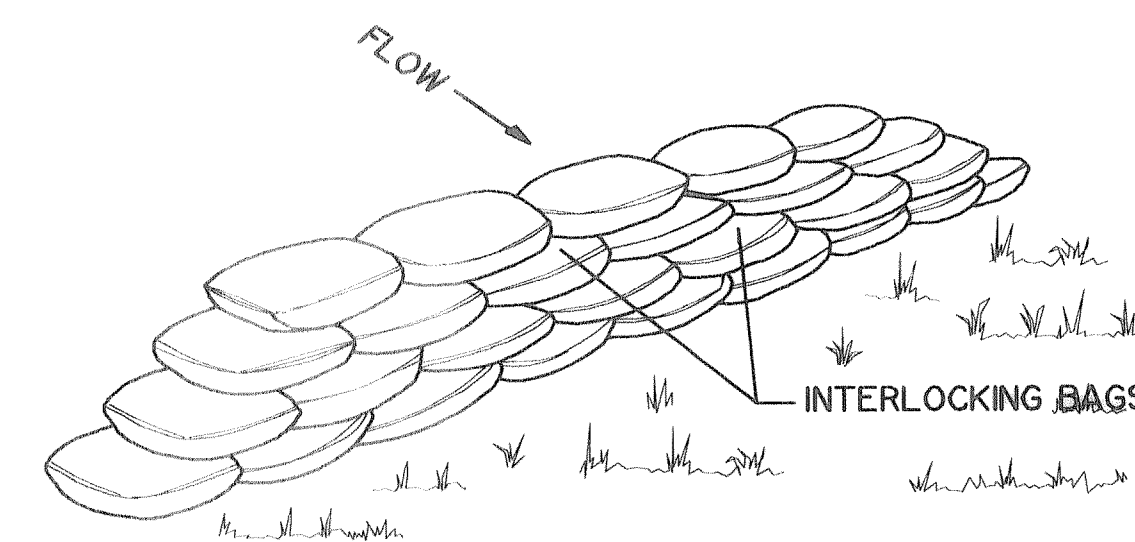
1. STONE SIZE ASTM D448 (1-1/2" TO 3-1/2" DIAMETER)
2. LENGTH - AS EFFECTIVE, BUT NOT LESS THAN 50 FEET, UNLESS APPROVED IN WRITING BY THE ENGINEER.
3. THICKNESS - NOT LESS THAN 8 INCHES.
4. WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
5. WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO EXISTING PAVEMENT. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE THROUGH USE OF SAND BAGS, GRAVEL, BOARDS OR OTHER APPROVED METHODS.
6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO EXISTING PAVEMENT. 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 ONTO EXISTING PAVEMENT MUST BE REMOVED IMMEDIATELY.

PRIMARY PURPOSE:  
REDUCES OFFSITE SEDIMENT TRACKING FROM TRUCKS AND CONSTRUCTION EQUIPMENT.

RATING IS NOT APPLICABLE

**STABILIZED CONSTRUCTION ENTRANCE**

N.T.S.

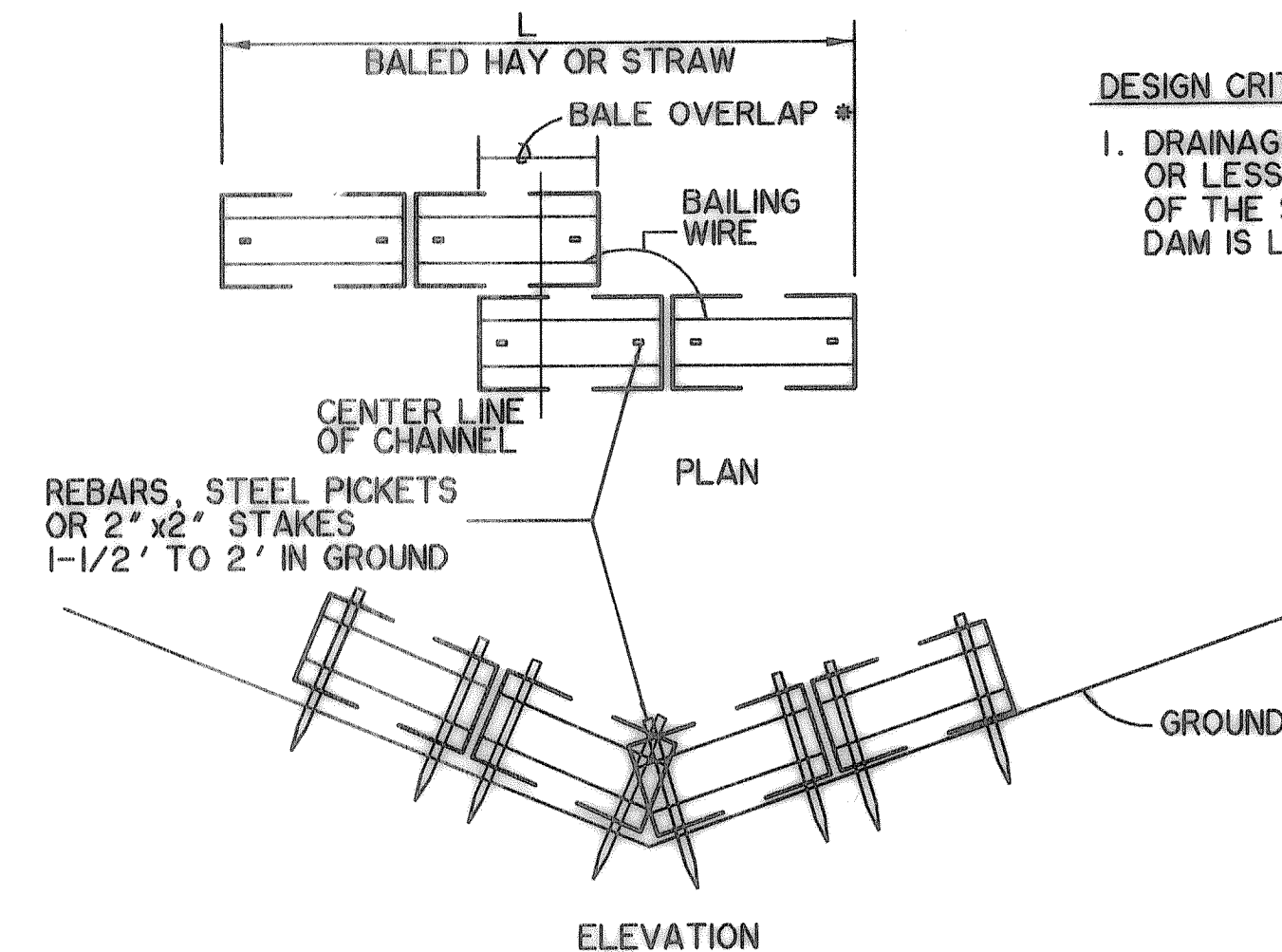


PRIMARY PURPOSE:  
PROVIDE SEDIMENTATION AND FILTRATION FOR RUNOFF UNDER CONCENTRATED CONDITIONS IN CREEKS, CHANNELS AND DRAINAGE SWALES.

$$\text{RATING} = \frac{\text{SEDIMENT RETAINED}}{\text{TOTAL SEDIMENT LOADING}} = 0.70$$

**SAND BAG BARRIER**

N.T.S.



**DESIGN CRITERIA**

1. DRAINAGE AREA 1/2 ACRE OR LESS AND THE LENGTH OF THE SLOPE ABOVE THE DAM IS LESS THAN 200 FT.

**GENERAL NOTES:**

1. \* OVERLAP - BALES SHALL BE OVERLAPPED AT A MINIMUM OF 2/3 OF A BALE LENGTH
2. THE DAM SHALL BE CENTERED OVER THE CENTER LINE OF THE DRAINAGE CHANNEL AS SHOWN (1/2 OF THE OVERLAP SPACING)

PRIMARY PURPOSE:  
SLOW AND FILTER RUNOFF TO RETAIN SEDIMENT.

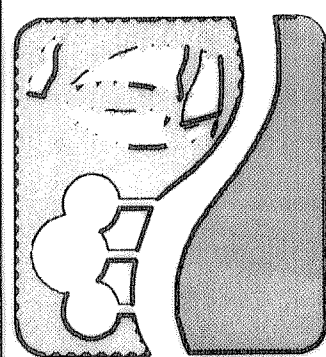
$$\text{RATING} = \frac{\text{SEDIMENT RETAINED}}{\text{TOTAL SEDIMENT LOADING}} = 0.67$$

**PLACEMENT FOR BALED HAY FILTER DAMS**

N.T.S.

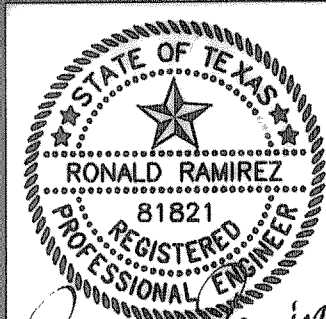
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**LONG BRANCH LIFT STATION, FORCE MAIN AND GRAVITY SEWER TO SERVE LOFLAND FARMS PHASE 5B**

**EROSION CONTROL DETAILS**



Ronald Ramirez 10/10/03

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**SHEET NO. E002**