

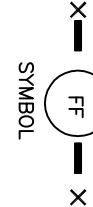
1. SET POSTS AT REQUIRED SPACING AND DEPTH. EXCAVATE 6" X 6" TRENCH UPSLOPE ALONG THE LINE OF POSTS. STEEL POST ONLY.

2. ATTACH FILTER FABRIC TO POSTS AND METAL. EXTEND 6" ABOVE AND 6" BELOW THE EXCAVATED SOIL. COMPACT THE TRENCH AND SOIL.

GENERAL NOTES:

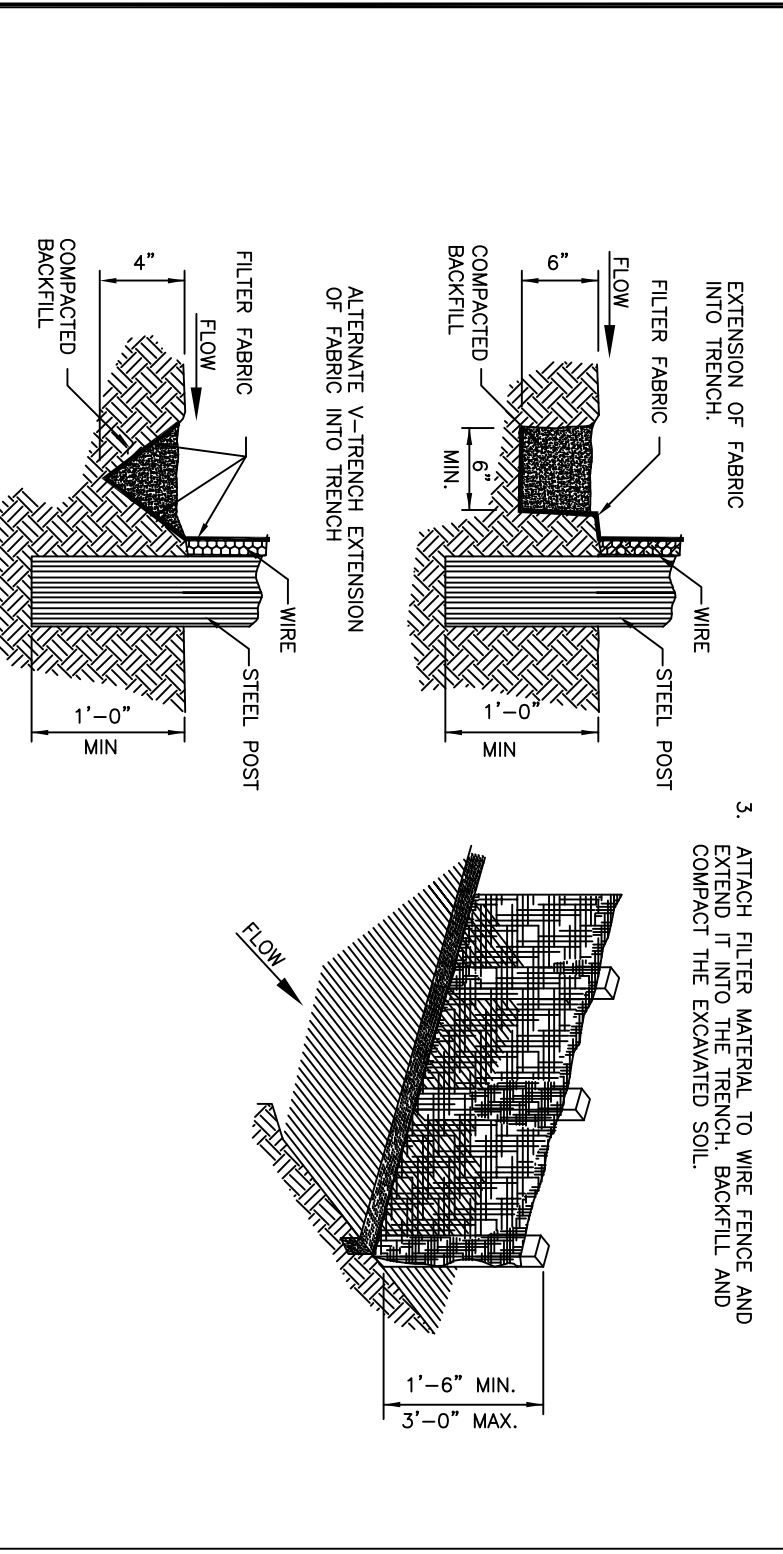
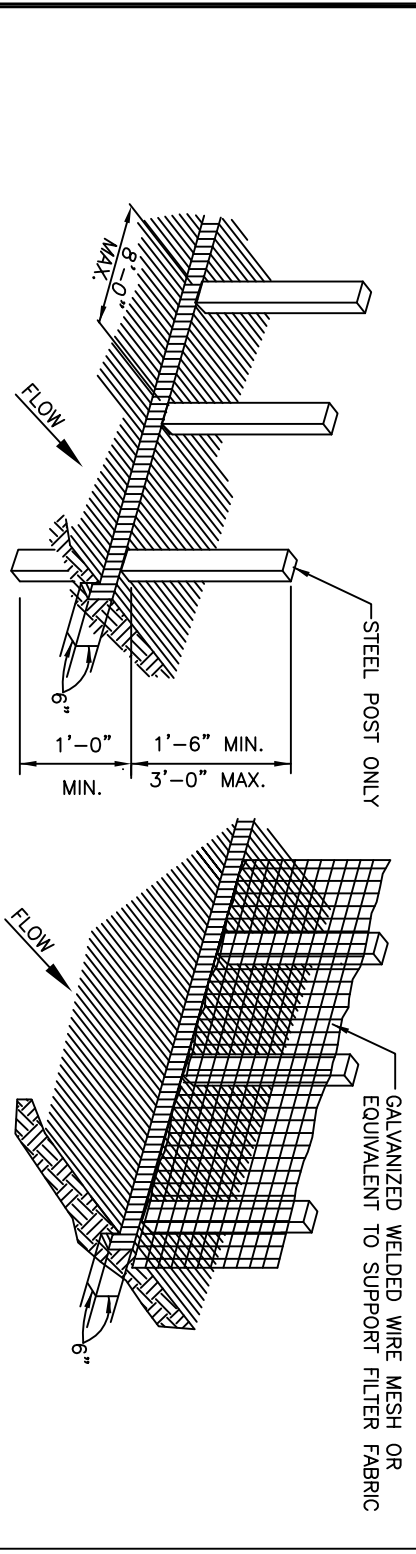
1. SET POSTS AT 4-FEET MAXIMUM SPACING. IF FACTORY PRESTRESSED FENCE WITH SUPPORT KETTLES IS USED, SPACING OF POST MAY BE INCREASED TO 8 FEET MAXIMUM.
2. WHEN TWO SECTIONS OF FILTER FABRIC ADJACENT EACH OTHER, OVERLAP 6 INCHES AT THE POST.
3. REMOVE SEDIMENT DEPOSITS WHEN SET DEPTH REACHES ONE-THIRD OF THE HEIGHT OF THE FENCE.

FILTER FABRIC FENCE



1. SET POSTS AT REQUIRED SPACING AND DEPTH. EXCAVATE 6" X 6" TRENCH UPSLOPE ALONG THE LINE OF POSTS.

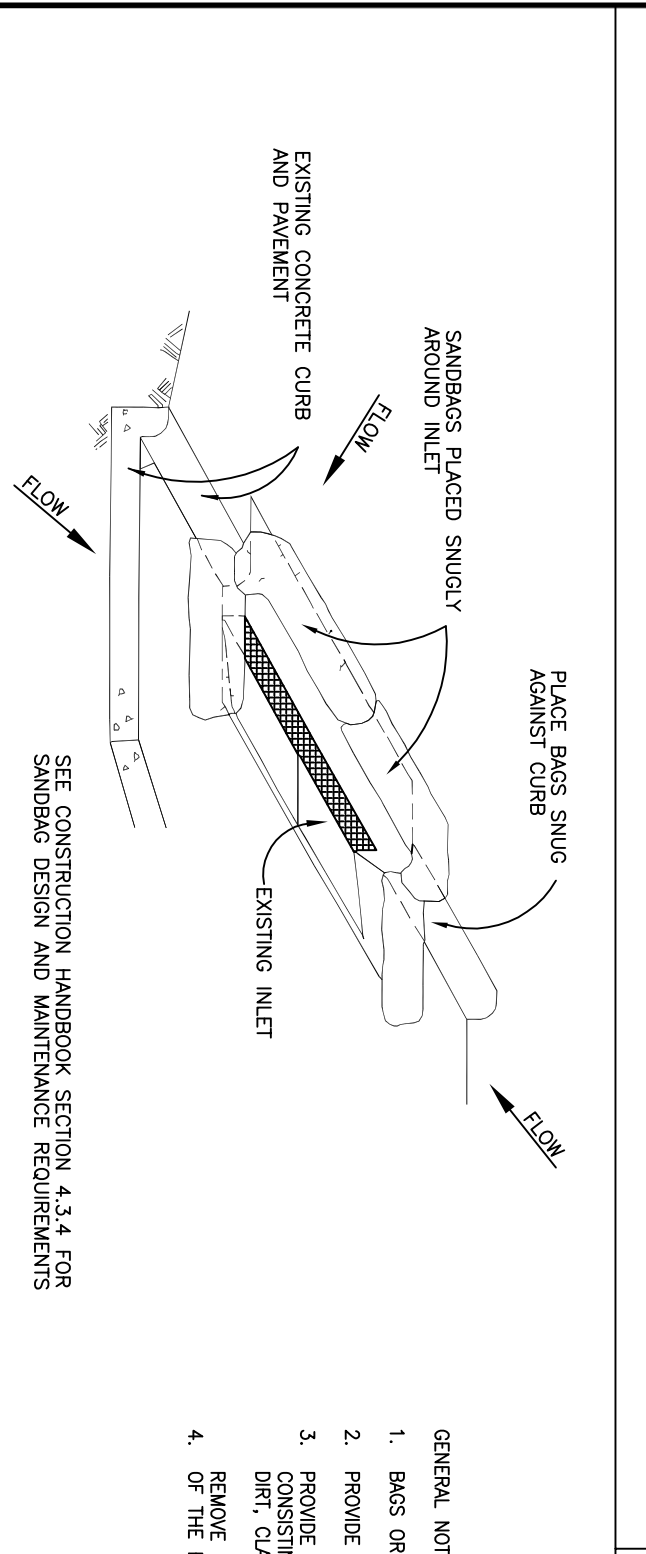
2. SECURE MESH FENCING TO POSTS



GENERAL NOTES:

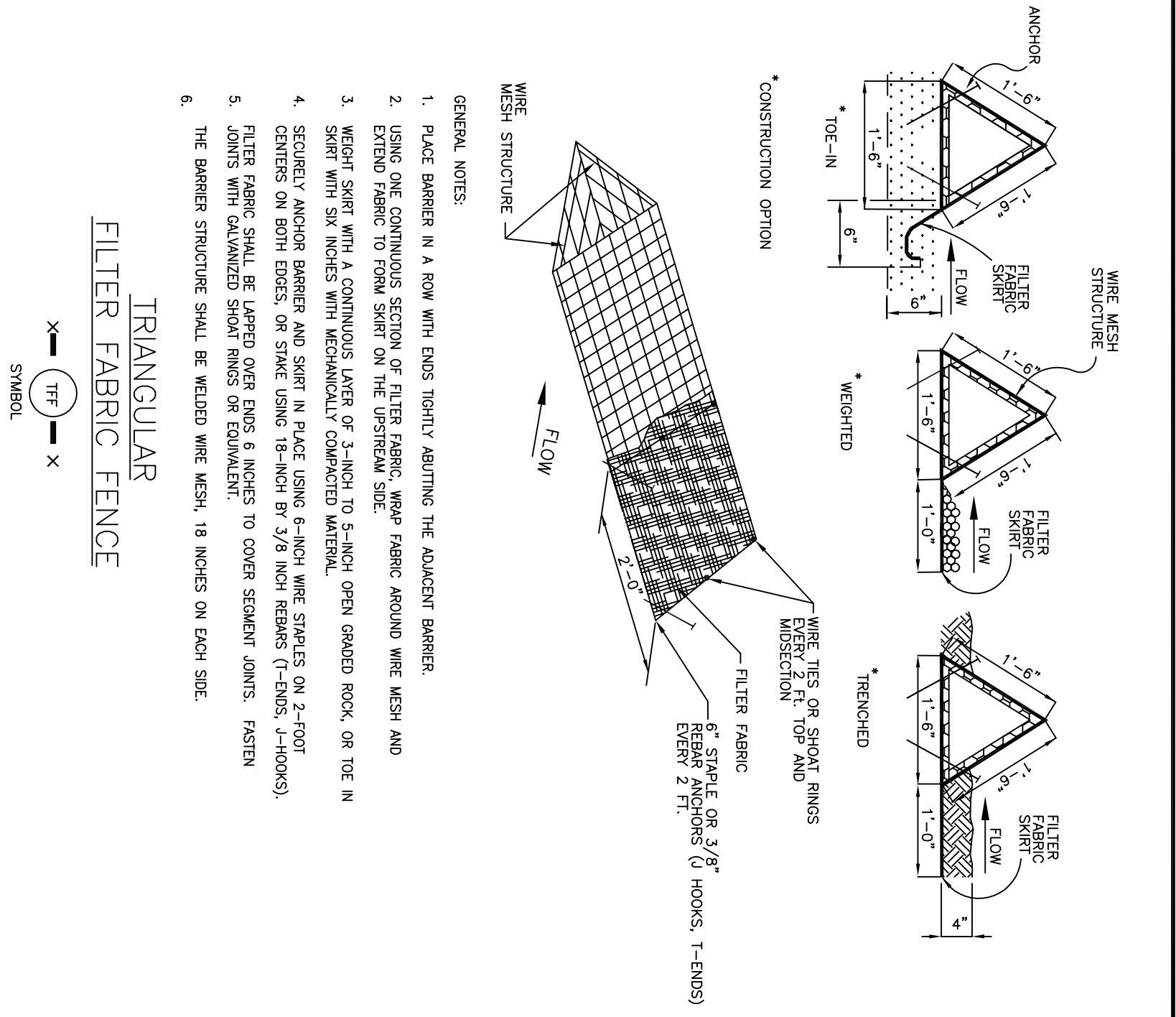
1. SECURELY FASTEN MESH FENCING TO POSTS WITH THE WIRES.
2. SECURELY FASTEN FILTER FABRIC TO MESH FENCING.
3. WHEN TWO SECTIONS OF FILTER FABRIC ADJACENT EACH OTHER, OVERLAP 6 INCHES AT A POST.
4. REMOVE SEDIMENT DEPOSITS WHEN SET REACHES ONE-THIRD OF THE HEIGHT OF THE FENCE IN DEPTH.

REINFORCED FILTER FABRIC BARRIER

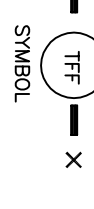


GENERAL NOTES:

1. BASE OR MATS CAN BE USED FOR THIS APPLICATION.
2. REMOVE MOIST OR UNWORKED GEOTEXTILE FILTER FABRIC FOR BARS.
3. REMOVE COARSE SAND AND AGGREGATE FOR FILL. USE ONLY PRODUCTS CONSISTING OF CLEAN, HARD, DURABLE MATERIALS FREE FROM ADHERENT COAGULANTS, SALT, ALKALI, OIL, CLAY, LOAM, SHALE, SIFT OR FLAWY MATERIALS, OR ORGANIC AND NARROW MATERIALS.
4. REMOVE SEDIMENT DEPOSIT WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-THIRD THE HEIGHT OF THE BARRIER.

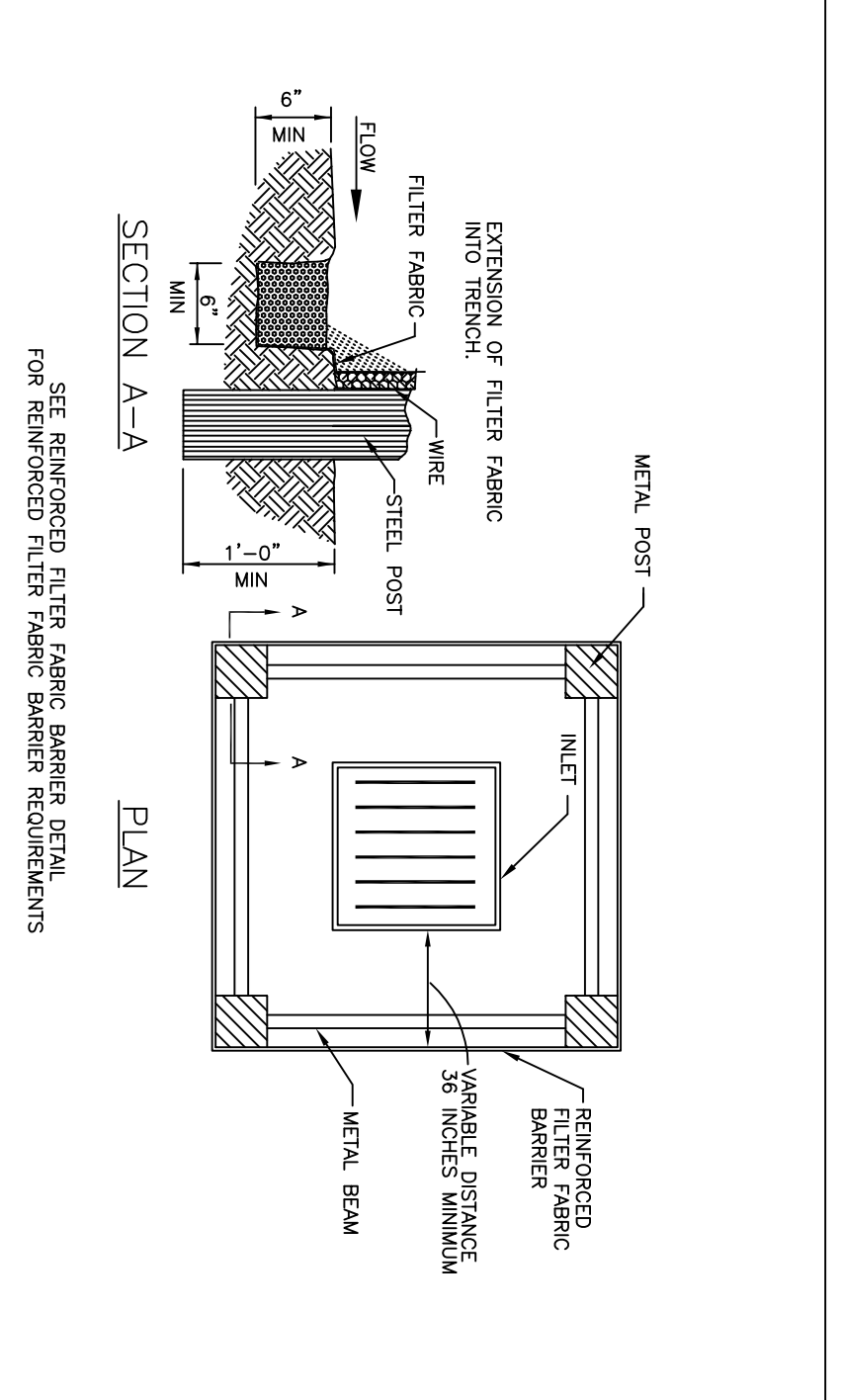


TRIANGULAR FILTER FABRIC FENCE



GENERAL NOTES:

1. PLACE BARRIER IN A ROW WITH ENDS TOGETHER ADJUTING THE ADJACENT BARRIER.
2. USING ONE CONTINUOUS SECTION OF FILTER FABRIC, WRAP FABRIC AROUND WIRE MESH AND EXTEND FABRIC TO FORM SHIRT ON THE UPSLOPE SIDE.
3. WEAVE SHIRT WITH A CONTINUOUS LAYER OF 3-INCH TO 5-INCH GRAIN GRADED ROCK OR TOE IN SHIRT WITH SIX INCHES WITH MECHANICALLY COMPACTED MATERIAL.
4. SECURELY ANCHOR BARRIER AND SHIRT IN PLACE USING 6-INCH WIRE STAPLES ON 2-FOOT CENTERS ON BOTH EDGES OF SHIRT USING 18-INCH BY 3/8 INCH REBAR (U-BOLTS, J-HOOKS).
5. JOINTS WITH GALVANIZED SHIRT RINGS OR EQUIVALENT.
6. THE BARRIER STRUCTURE SHALL BE WELDED WIRE MESH, 18 INCHES ON EACH SIDE.



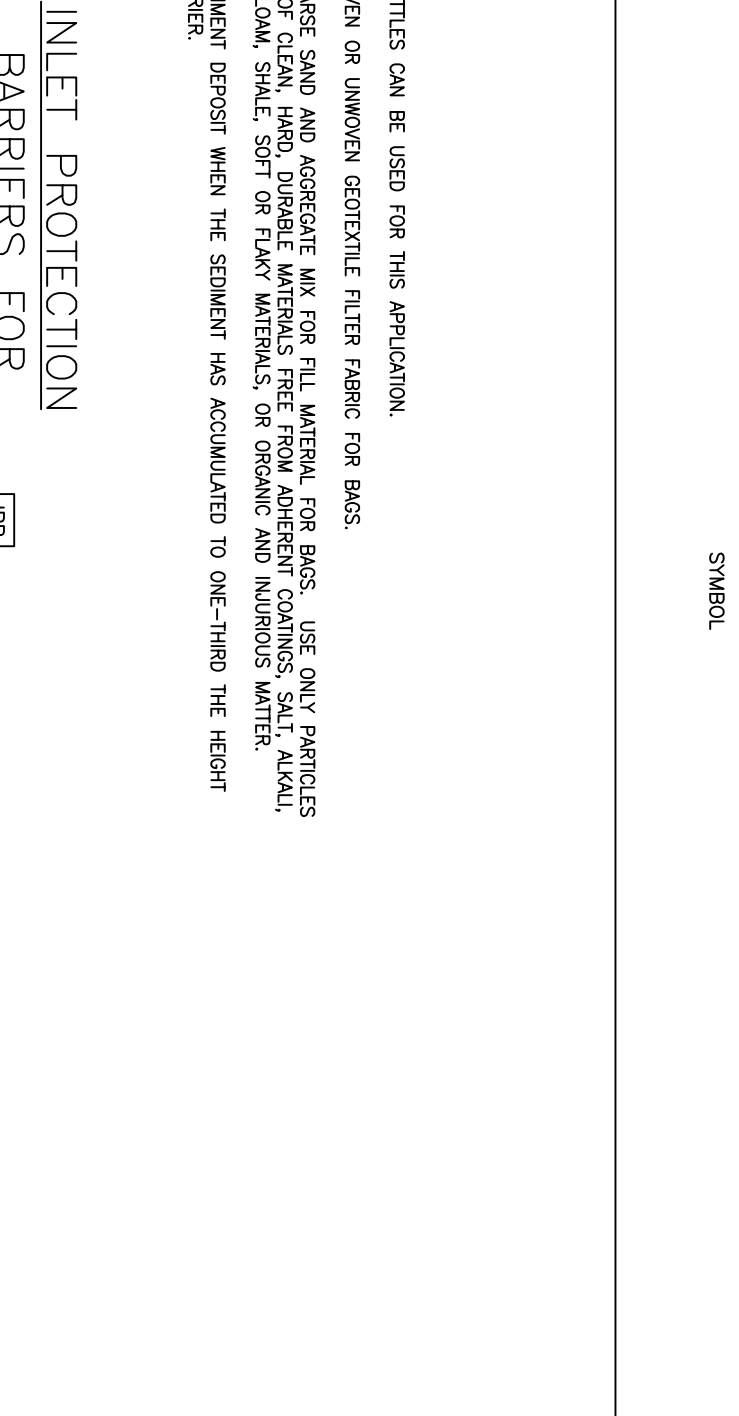
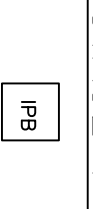
RECTANGULAR FILTER FABRIC BARRIER



GENERAL NOTES:

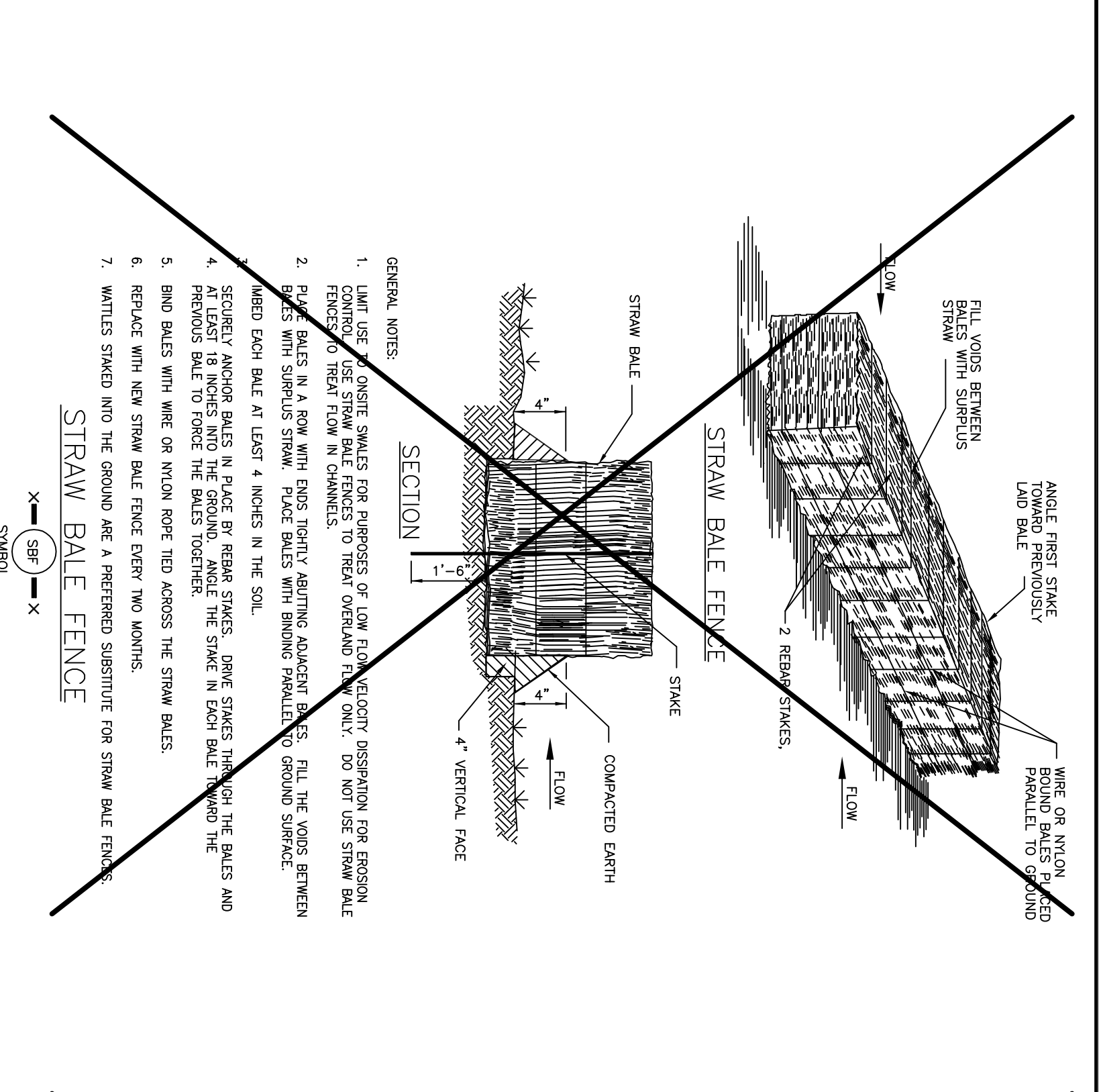
1. BASE OR MATS CAN BE USED FOR THIS APPLICATION.
2. REMOVE MOIST OR UNWORKED GEOTEXTILE FILTER FABRIC FOR BARS.
3. REMOVE COARSE SAND AND AGGREGATE FOR FILL. USE ONLY PRODUCTS CONSISTING OF CLEAN, HARD, DURABLE MATERIALS FREE FROM ADHERENT COAGULANTS, SALT, ALKALI, OIL, CLAY, LOAM, SHALE, SIFT OR FLAWY MATERIALS, OR ORGANIC AND NARROW MATERIALS.
4. REMOVE SEDIMENT DEPOSIT WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-THIRD THE HEIGHT OF THE BARRIER.

INLET PROTECTION BARRIERS FOR STAGE I INLETS

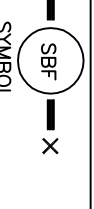


GENERAL NOTES:

1. BASE OR MATS CAN BE USED FOR THIS APPLICATION.
2. REMOVE MOIST OR UNWORKED GEOTEXTILE FILTER FABRIC FOR BARS.
3. REMOVE COARSE SAND AND AGGREGATE FOR FILL. USE ONLY PRODUCTS CONSISTING OF CLEAN, HARD, DURABLE MATERIALS FREE FROM ADHERENT COAGULANTS, SALT, ALKALI, OIL, CLAY, LOAM, SHALE, SIFT OR FLAWY MATERIALS, OR ORGANIC AND NARROW MATERIALS.
4. REMOVE SEDIMENT DEPOSIT WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-THIRD THE HEIGHT OF THE BARRIER.

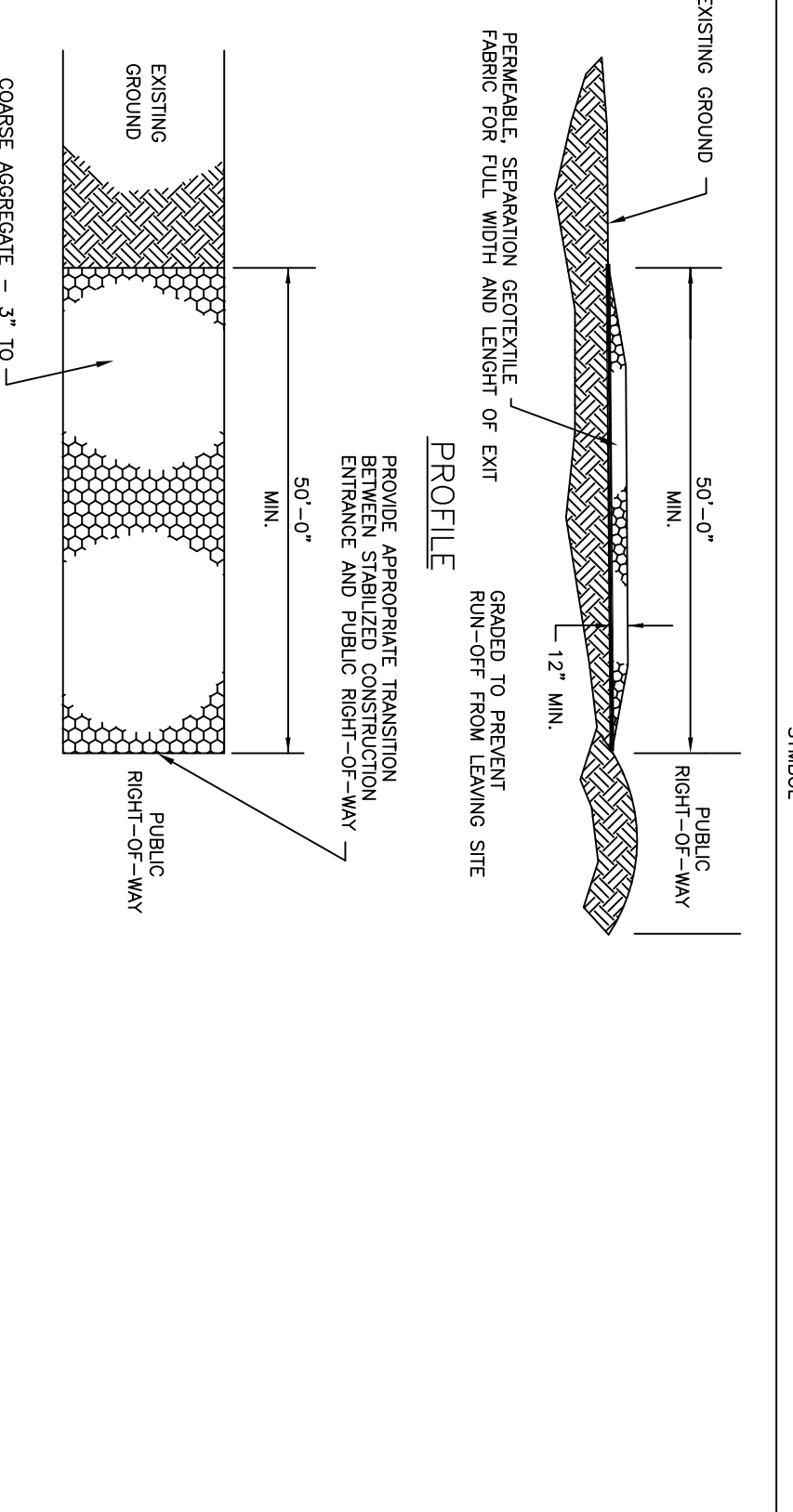


STRAW BALE FENCE

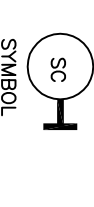


GENERAL NOTES:

1. USE AT LEAST THREE STAPLES FOR PURPOSES OF LOW FLOW RESISTANCE. PROVISION FOR EROSION CONTROL TO TREAT STRAW BALE FENCES TO TREAT OVERLAND FLOW ONLY. DO NOT USE STRAW BALE FENCES TO TREAT FLOW IN CHANNELS.
2. PLACE BALES IN A ROW WITH ENDS TOGETHER ADJUTING THE ADJACENT BARRIER. FILL THE VOIDS BETWEEN BALES WITH SURPLUS STRAW. PLACE BALES WITH BINDING PARALLEL TO GROUND SURFACE. USED EACH BALE AT LEAST 4 INCHES IN THE SOIL.
3. SECURELY ANCHOR BALES IN PLACE BY REBAR STAPLES. DRIVE STAPLES THROUGH THE BALES AND AT LEAST 18 INCHES INTO THE GROUND. ANGLE THE STAKE IN EACH BALE TOWARD THE FLOWING WATER.
4. REPAIRS SHALL BE MADE TO THE BALE STRUCTURE.
5. REMOVE BALES WITH WIRE OR NYLON ROPE TIED ACROSS THE STRAW BALES.
6. REPLACE WITH NEW STRAW BALE FENCE EVERY TWO MONTHS.
7. MATS STAPLED INTO THE GROUND ARE A PREFERRED SUBSTITUTE FOR STRAW BALE FENCES.

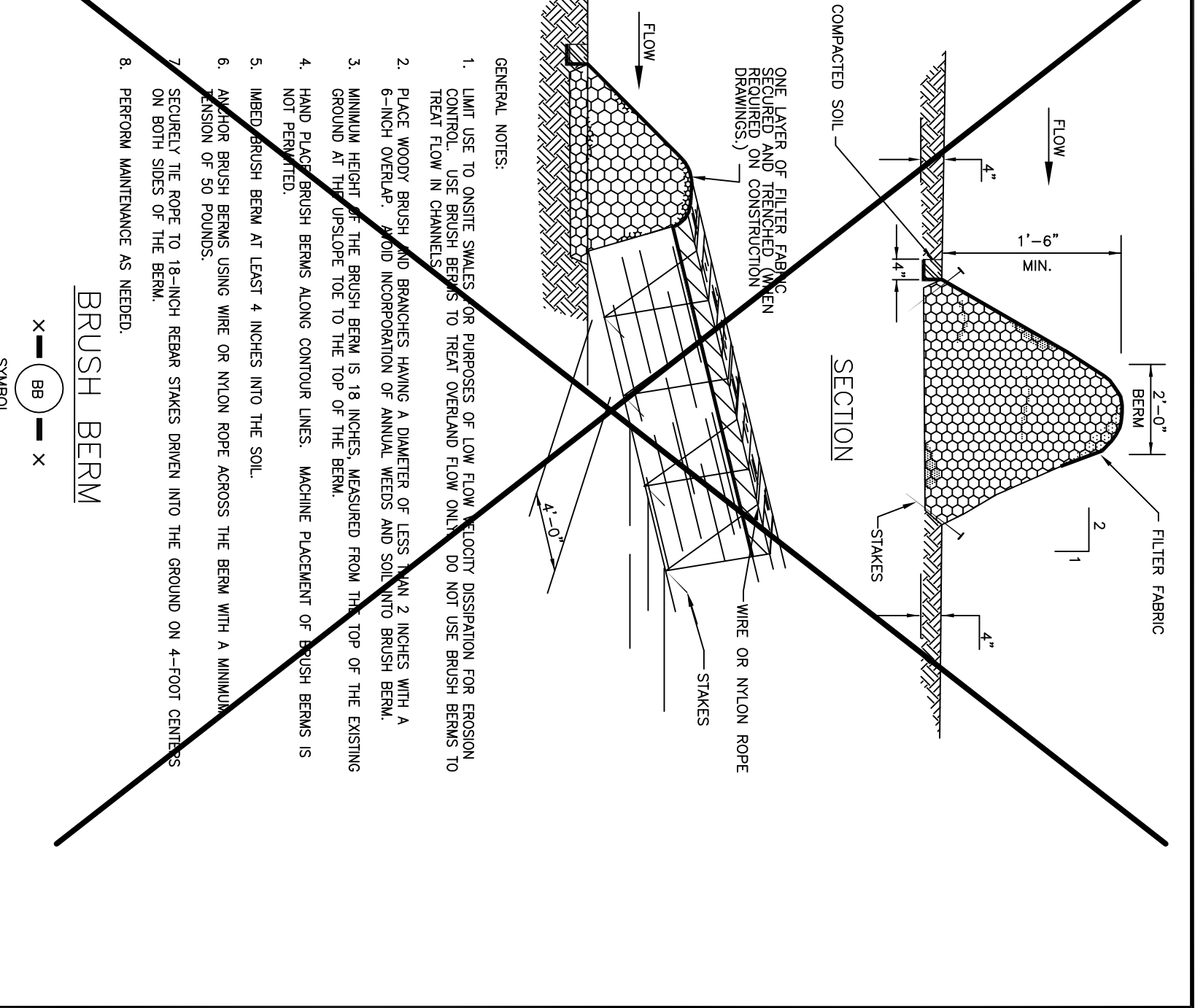


STABILIZED CONSTRUCTION ACCESS

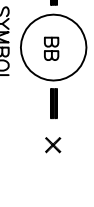


GENERAL NOTES:

1. MINIMUM LENGTH IS AS SHOWN ON CONSTRUCTION DRAWINGS OR 50 FEET, WHICHEVER IS MORE.
2. CONSTRUCT AND MAINTAIN CONSTRUCTION EXIT WITH CONSTANT WIDTH ACROSS ITS LENGTH, INCLUDING ALL POINTS OF ENDS OR EDGES.
3. UNLESS SHOWN ON THE CONSTRUCTION DRAWINGS, STABILIZATION FOR OTHER AREAS WILL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION EXIT.
4. WHEN SHOWN ON THE CONSTRUCTION DRAWINGS, WHEN OR LENGTHENED STABILIZED AREA TO ACCOMMODATE A ROCK WASHING AREA, PROVIDE OUTLET SEPARATION TYPICAL FOR THE ROCK WASHING AREA.
5. REMOVE SEDIMENT DEPOSITS WHEN SET REACHES ONE-THIRD OF THE HEIGHT OF THE BARRIER.
6. REPRODUCE FORM AGGREGATE TO EXPOSE A CLEAN DRAINING SURFACE.
7. ALTERNATE METHODS OF CONSTRUCTION INCLUDE STABILIZED SOIL, LIME/STAPLE AGGREGATE, OR OTHER FILL MATERIAL IN AN APPLICATION OF THICKNESS OF 8 INCHES.
8. STEEL MATS: PERFORMED MATS PLACED ACROSS PERPENDICULAR SUPPORT MEMBERS.

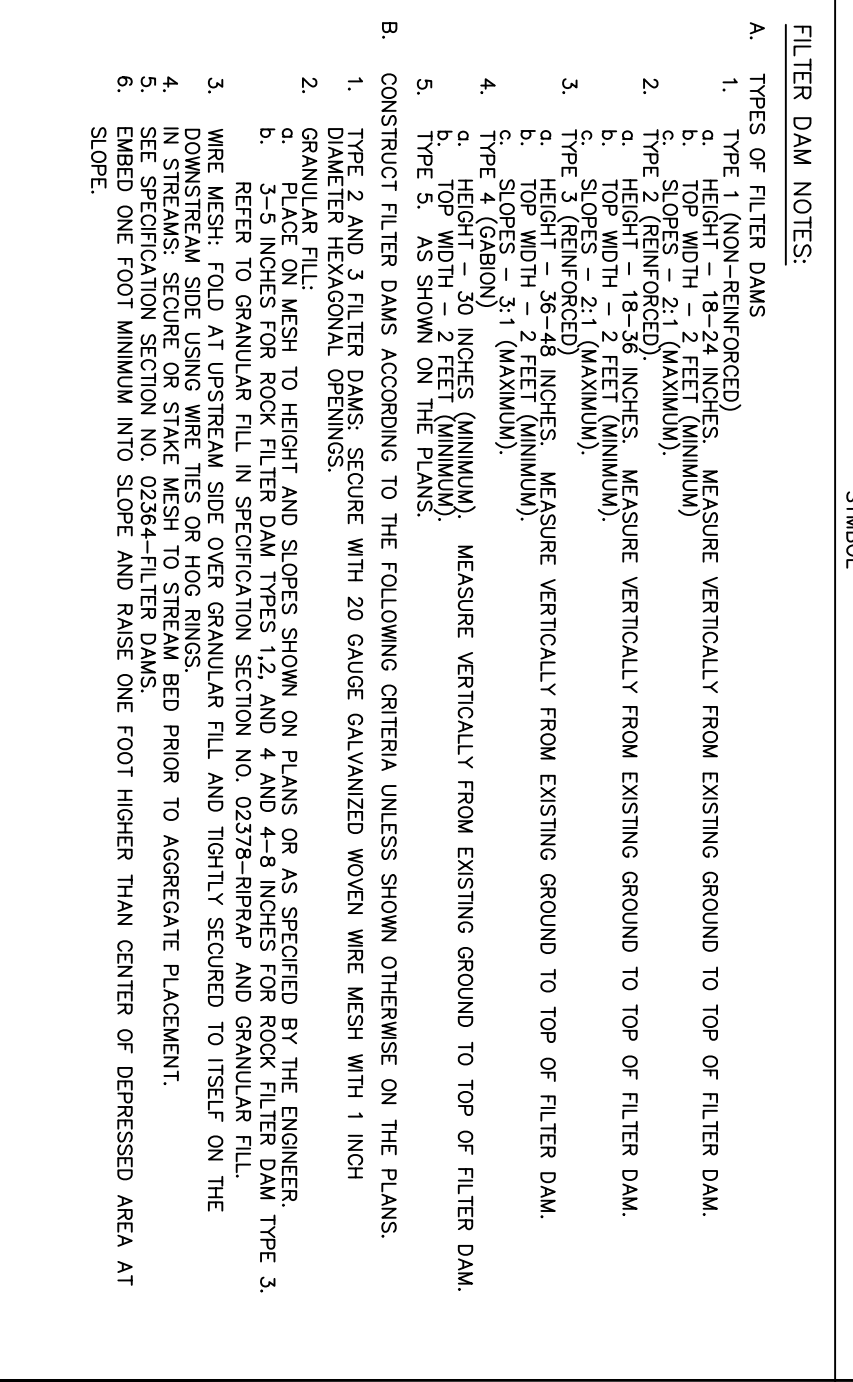


BRUSH BERM



GENERAL NOTES:

1. LIMIT USE TO SHORT STAPLES FOR PURPOSES OF LOW FLOW RESISTANCE. PROVISION FOR EROSION CONTROL TO TREAT STRAW BALE FENCES TO TREAT OVERLAND FLOW ONLY. DO NOT USE STRAW BALE FENCES TO TREAT FLOW IN CHANNELS.
2. PLACE WOODY BRUSH AND BRANCHES HAVING A DIAMETER OF LESS THAN 2 INCHES WITH A 6-INCH OVERLAP.
3. MINIMUM HEIGHT OF THE BRUSH BERM IS 18 INCHES, MEASURED FROM THE TOP OF THE EXISTING GROUND AT THE UPSLOPE TOE TO THE TOP OF THE BERM.
4. HAND PLACED BRUSH ALONG CONTOUR LINES. MACHINE PLACEMENT OF BRUSH BERMS IS NOT PERMITTED.
5. MESHED BRUSH BERM AT LEAST 4 INCHES INTO THE SOIL.
6. ANCHOR BRUSH BERMS USING WIRE OR NYLON ROPE ACROSS THE BERM WITH A MINIMUM TENSION OF 50 POUNDS.
7. SECURELY TIE ROPE TO 18-INCH REBAR STAPLES DRIVEN INTO THE GROUND ON 4-FOOT CENTERS ON BOTH SIDES OF THE BERM.
8. PERFORM MAINTENANCE AS NEEDED.

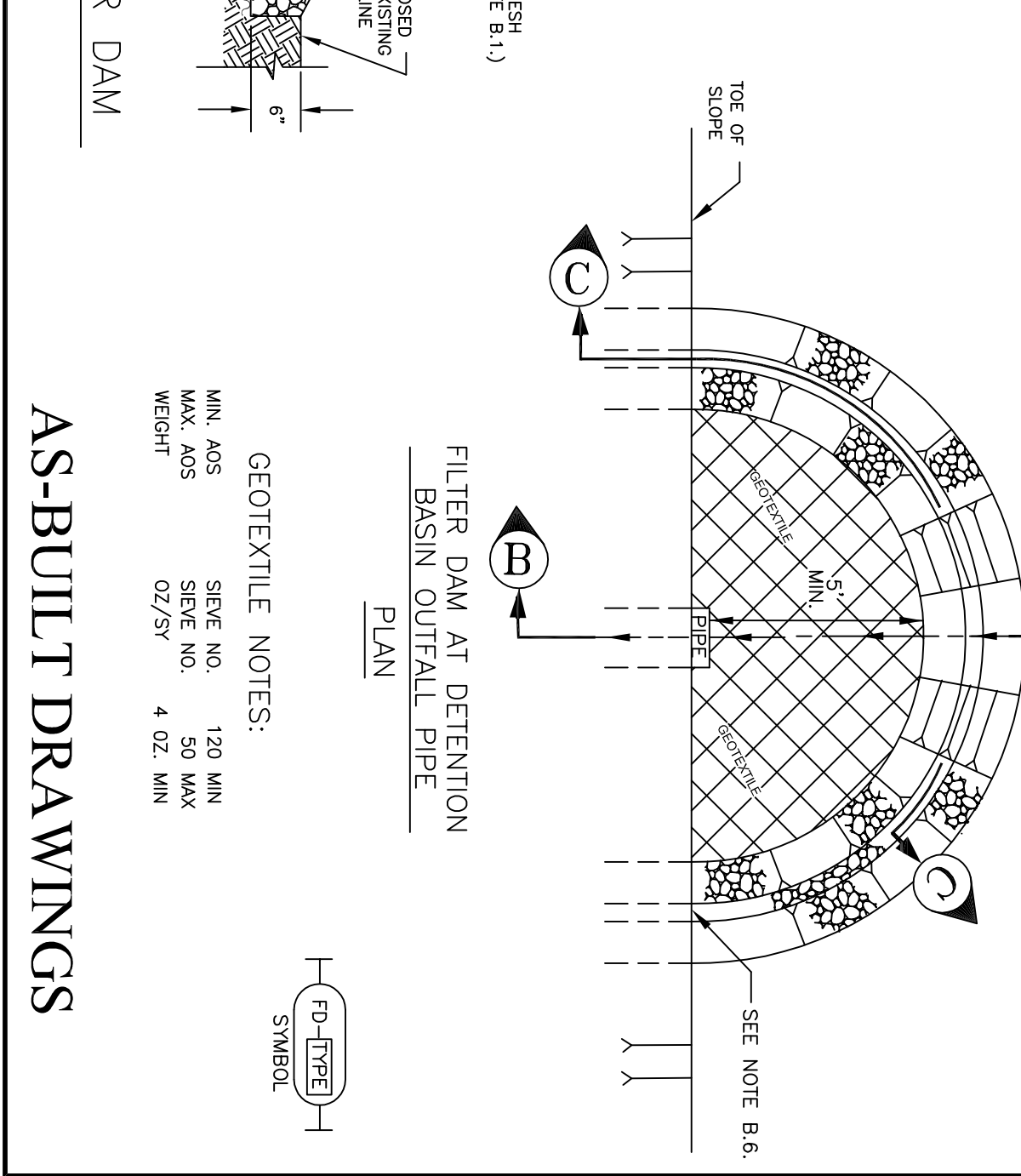


IN-CHANNEL FILTER DAM



GENERAL NOTES:

1. TYPE 1 (NON-REINFORCED): MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
2. TYPE 2 (REINFORCED): MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
3. TYPE 3 (REINFORCED): MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
4. TYPE 4 (REINFORCED): MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
5. TYPE 5 (REINFORCED): MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
6. TYPE 6 (REINFORCED): MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
7. TYPE 7 (REINFORCED): MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
8. TYPE 8 (REINFORCED): MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
9. TYPE 9 (REINFORCED): MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
10. TYPE 10 (REINFORCED): MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.



AS-BUILT DRAWINGS

TEXAS LAND ENGINEERS, INC.
1201 SHEPHERD DRIVE
HOUSTON, TX 77007
PH: (281) 576-1085
FAX: (281) 576-1086

NO.	DATE	DESCRIPTION

CHILDRENS LIGHTHOUSE
3009 GOLIAD STREET
ROCKWALL, TEXAS

STORM WATER POLLUTION PREVENTION DETAILS

REGISTRATION NO. 199553
DATE: AUGUST 2009
DRAWN BY: DG
CHECKED BY: JG

SHEET
C10