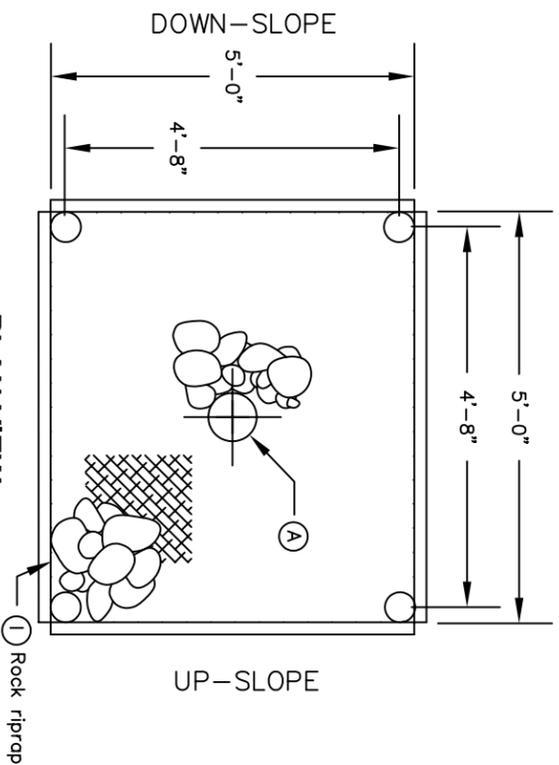


FENCE TRASH SKIMMER



PLAN VIEW
NOT TO SCALE

ROCK RIPRAP GRADATION TABLE	
ROCK DIAMETER (INCHES)	APPROX % OF TOTAL SIZE SMALLER THAN GIVEN SIZE CLASS II
12	100
9	75
6	50
3	
2	10

CONSTRUCTION SPECIFICATIONS (FENCE TRASH SKIMMER):

DESCRIPTION

The work shall include all labor, materials, and equipment required to assemble the fence trash skimmer.

MATERIALS (GENERAL)

All materials to be provided by the Contractor and are subject to approval by the Project Technician upon delivery to the site. All wood construction materials shall be pressure treated lumber, in accordance with MNDOT Specification 3491, or equivalent as approved by the Project Technician. All fence materials and fasteners shall be corrosion resistant, in accordance with MNDOT Specification 3378 and 3392, or equivalent as approved by the Project Technician.

MATERIALS (ROCK RIPRAP & GEOTEXTILE)

Rock riprap shall be durable field stone (round) or quarry stone (angular crushed bedrock), in accordance with MNDOT Specification 3601. Rock riprap shall be placed within the fenced area to a minimum depth of 9 inches. See gradation table for proper size and percent allowed for the rock riprap.

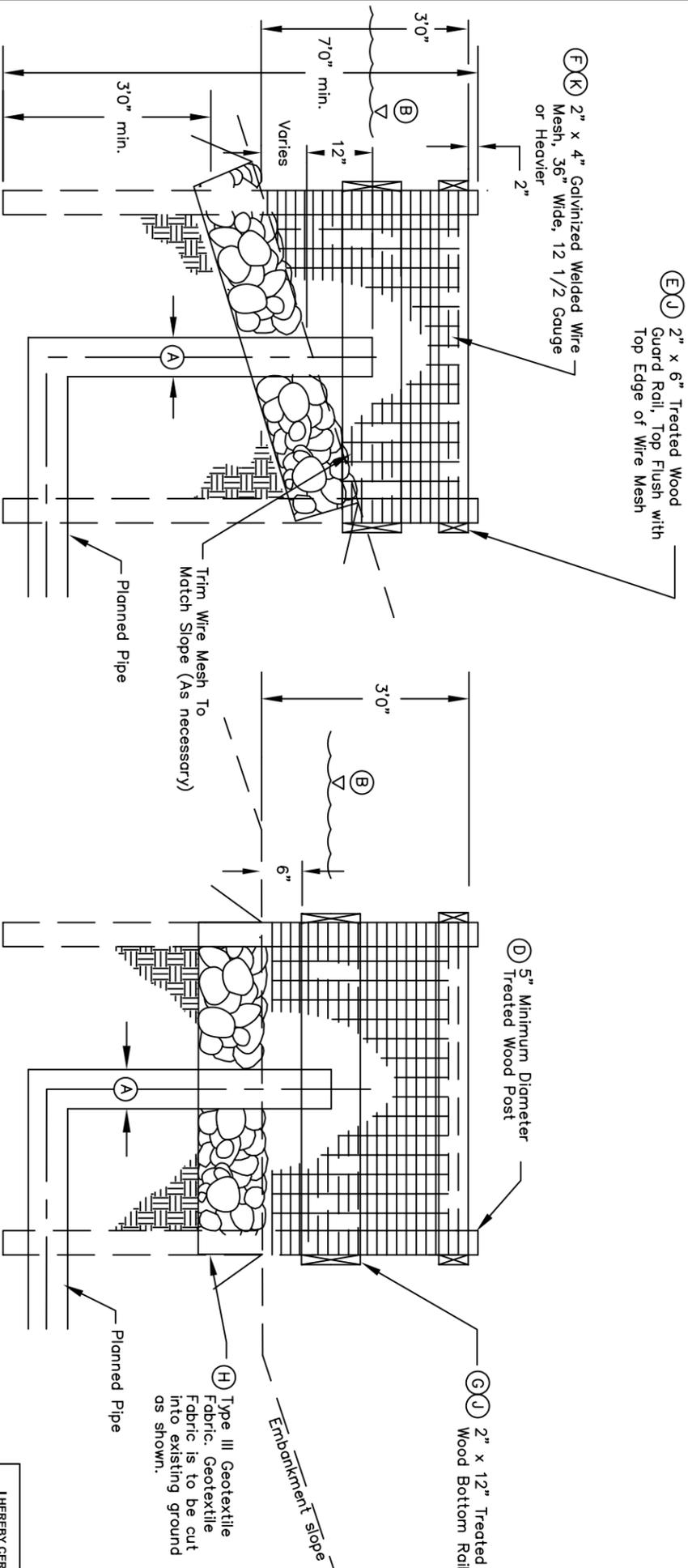
Geotextile fabric shall be placed beneath the structure and shall be secured by embedding a minimum of one foot into the surrounding soil. Geotextile fabric shall be Type III, in accordance with MNDOT Specification 3733. Handling and installation shall follow the recommendations of the manufacturer.

INSTALLATION AND ASSEMBLY

The water control structure pipe inlet shall be centered within the structure. Corner posts shall be buried a minimum depth of 3 feet below the ground surface. Post holes shall be backfilled and compacted with clean compactable material. The wire fence shall be fastened a minimum of six times per post with galvanized u-shaped staples and shall be evenly placed in a vertical direction around the outside of the posts unless otherwise directed by the Project Technician. Each guard rail shall be attached to each post and shall be cut flush to the adjacent guard rail to provide adequate ralling surface. The wire mesh shall extend and be flush with surface of finished grade.

NOTE:

For MNDOT Specifications refer to MNDOT Standard Specifications for Construction 1988 Edition.



X-SECTION OF F.T.S. ON SLOPE
NOT TO SCALE

X-SECTION OF F.T.S. ON BERM/FLAT GRADE
NOT TO SCALE

DESIGN DATA	
STRUCTURE/WETLAND BASIN # _____	
(A) DIAMETER OF WATER CONTROL STRUCTURE PIPE INLET = _____ INCHES	
(B) ELEVATION OF WATER CONTROL STRUCTURE PIPE INLET = _____ FT.	

BILL OF MATERIALS			
ITEM DESCRIPTION	UNIT	QTY.	
(D) TREATED WOOD CORNER POSTS (Minimum 5" Diameter)	EACH	4	
(E) 2" x 6" TREATED WOOD RAILS	LN. FT.	20	
(F) 2" x 4" WELDED MESH WIRE, 36" WIDE, 12 Ga. minimum	LN. FT.	24	
(G) 2" x 12" TREATED BOTTOM RAILS/SKIMMER	LN. FT.	20	
(H) GEOTEXTILE, MNDOT TYPE III	SQ. YDS.	9	
(I) ROCK RIPRAP, CLASS II	CUBIC YDS.	1	
(J) 16D GALVANIZED OR CADMIUM COATED NAILS	LUMP SUM	1	
(K) STAPLES, 9 Ga., GALVANIZED U-SHAPED	LUMP SUM	1	

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.		Project Name: _____	
PRINT NAME: _____ SIGNATURE: _____ DATE: _____	LICENSE # _____	Title _____ Estimator OR Project No. _____	Date _____ Plan Sheet _____ of _____ DWG# MN-ENG-206
FENCE TRASH SKIMMER DETAILS		BWSR NRCS USFWS	