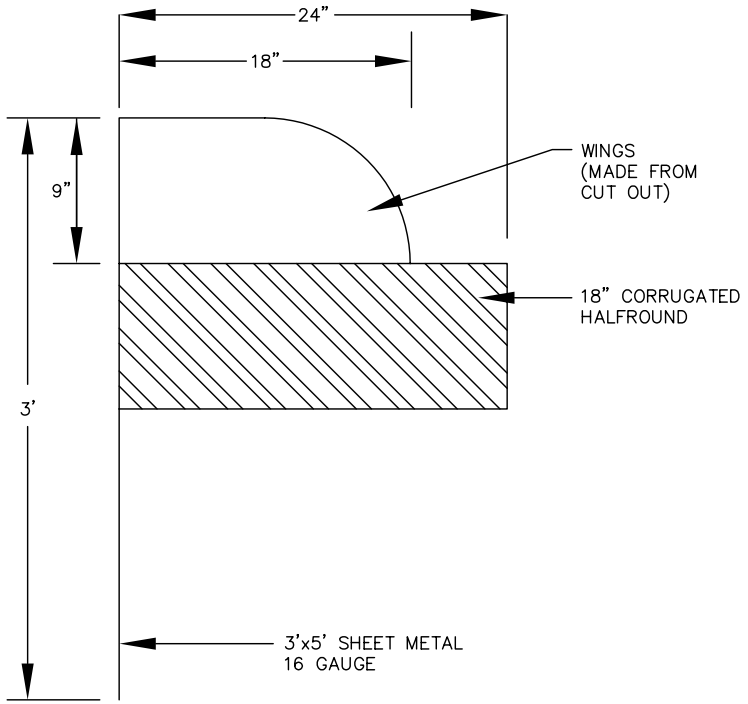
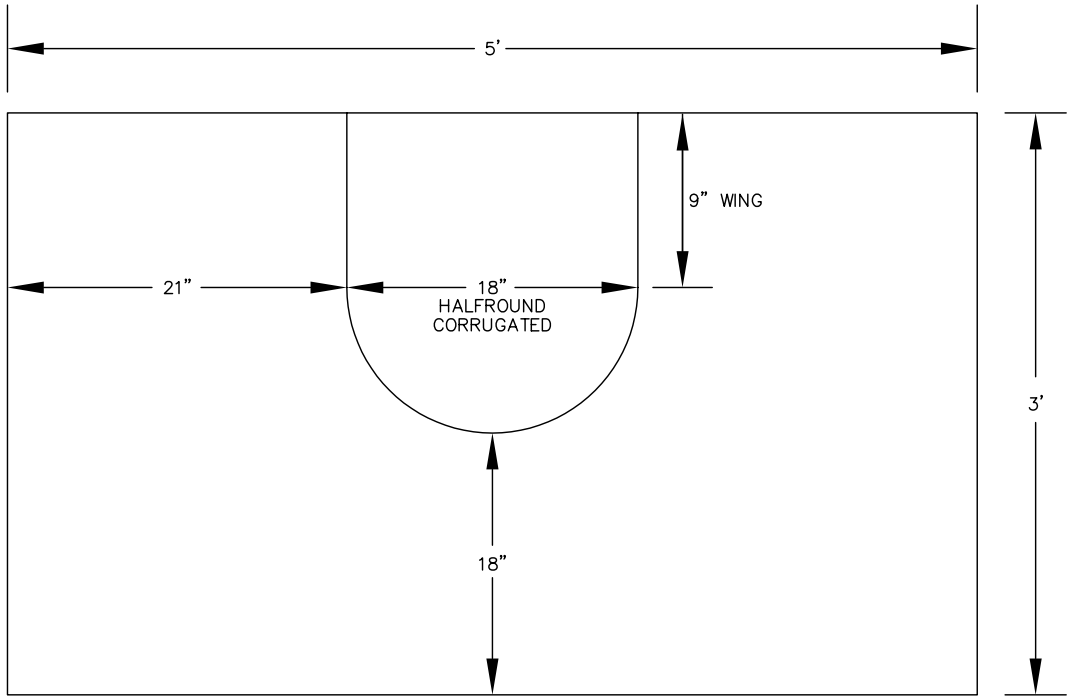


SIDE VIEW



FRONT VIEW

CLEVELAND HALFROUND OVERSIDE DRAIN INLET

MATERIAL
1. 0.064 (16 GAUGE) GALVANIZED SHEET METAL
2. 0.064)16 GAUGE) GALVANIZED CORRUGATED HALF-ROUND PIPE

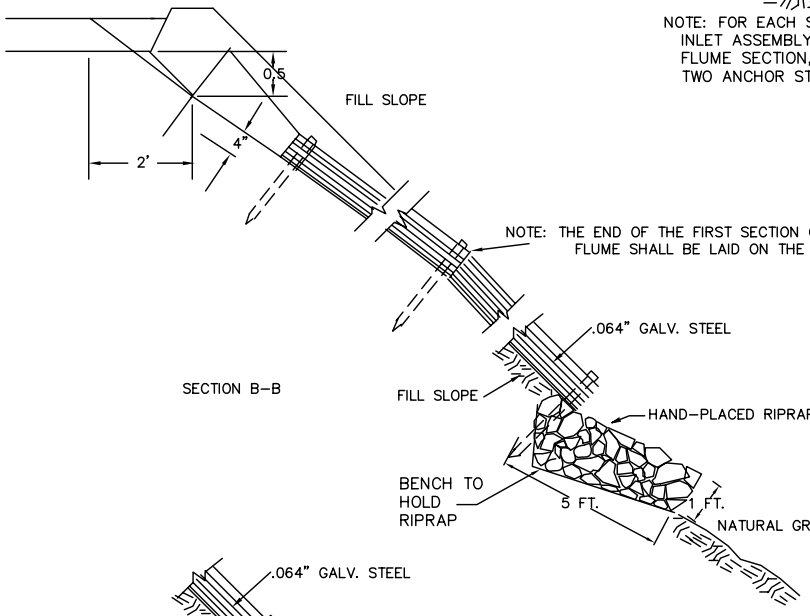
USDA FOREST SERVICE

CONSTRUCTION DETAILS

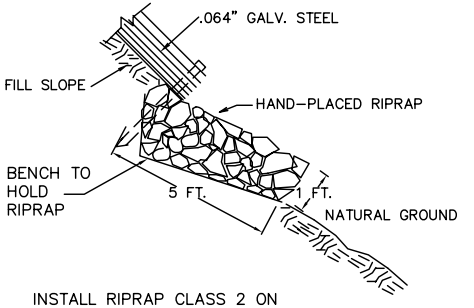
OVERSIDE DRAIN FARBRICATION

SCALE: NONE

DWR. NO. 840-2 | SHEET 1 OF 1

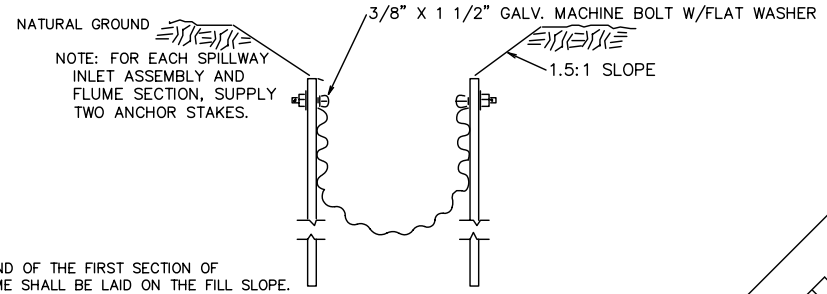


SECTION B–B

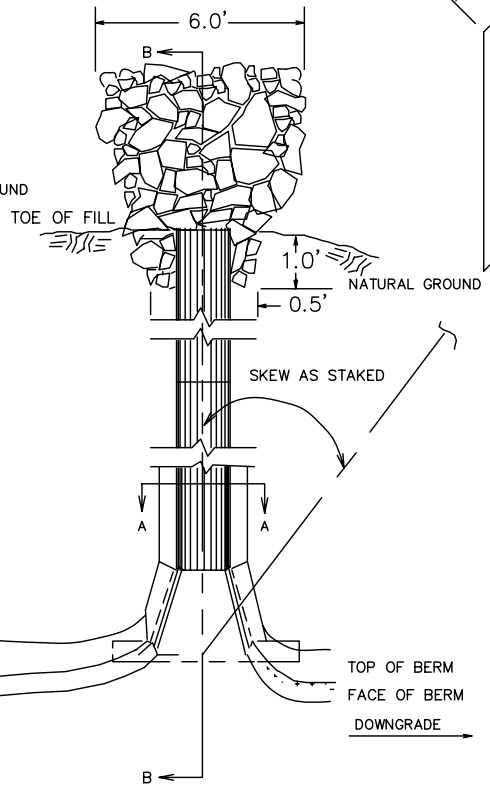


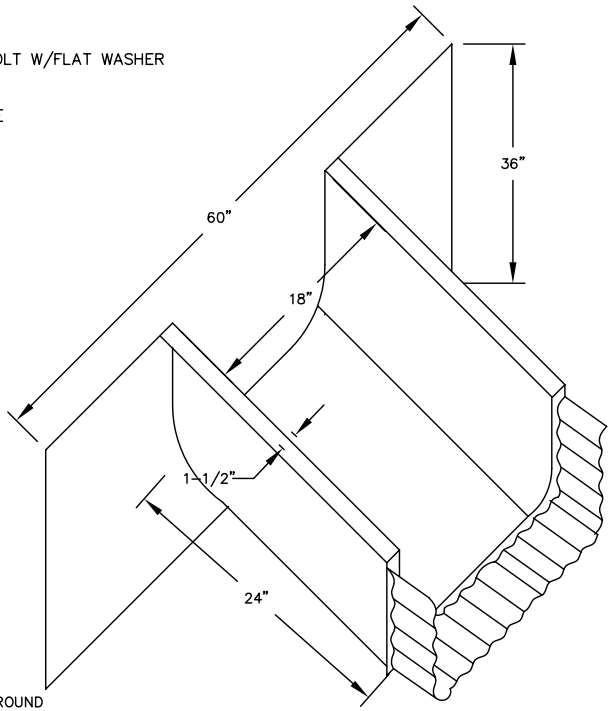
INSTALL RIPRAP CLASS 2 ON OVERSIDE DRAINS (APPROX 1 C.Y.)

RIPRAP INSTALLATION



SECTION A–A





SPILLWAY INLET ASSEMBLY
CLEVELAND HALF–ROUND

NOTE: CLEARING FOR SIA & FLUME SHALL BE 2 FT. MINIMUM, TO EACH SIDE OF STRUCTURE. CLEARING ABOVE STRUCTURE SHALL BE 4 FT. MINIMUM.

CLEAN SIA, WRITTEN ON DRAWINGS INCLUDES FLUME.

ANCHOR STAKES

TYPE 1	TYPE 2
GALV. 3/8"x1 1/2"x36" 3/4"x 1 1/2" GALV. MACHINE BOLT W/NUT AND FLAT WASHER	GALV. 3/8"x 1 1/2"x48" 3/8"x1 1/2" GALV. MACHINE BOLT W/NUT AND FLAT WASHER

NOTE: ANCHOR STAKE ALLOWANCE INCLUDES 1 GALV. MACHINE BOLT W/NUT AND FLAT WASHER. SOME EXISTING SPILLWAY INLETS & FLUMES ARE 1/2 ROUND TYPE.

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE REGION FIVE
CLEVELAND NATIONAL FOREST

CONSTRUCTION DETAILS
OVERSIDE DRAIN INSTALLATION

SCALE: NONE

DWR. NO. 832-2 SHEET 2 OF 2