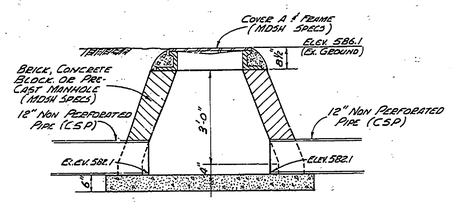
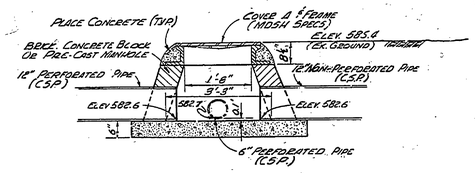
R-1658 COMMERCIAL BLUEPRINT SERVICE 13-70 43049



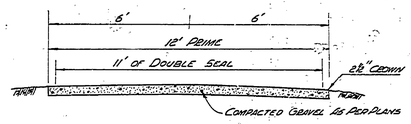
MANHOLE - 1

Scale - ½ = 1'-0"

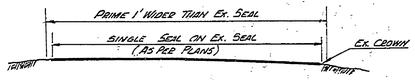


MANHOLE - 2

Scale - ½ = 1'-0"



PRIME & DOUBLE SEAL SECTION



SINGLE SEAL SECTION

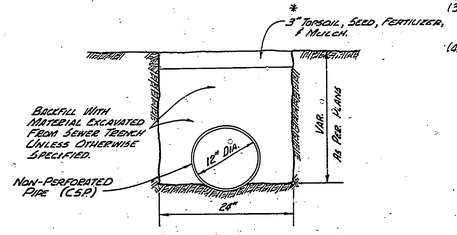
(1) LINES B, C, G, & H, & THE DIAGONAL LINES FOR 50° ANGLE DEF. AT THE RIDGE ARE TO HAVE 3" OF GRAVEL MIXED WITH THE 3" OF TOPSOIL.

(2) THE END 3' OF LINES "F" & "E" ARE NOT TO BE SURFACED WITH TOPSOIL (& OR GRAVEL) SEED, FERTILIZER, & MULCH. THE BYU SAND FILL IS TO EXTEND TO TOP OF TRENCH TO DRAIN SURFACE PONDING & SHALL BE LOWER THAN EDGE OF ROAD.

(3) ALL ROAD CROSSING TO BE SURFACED WITH 175 TN. BIT. MAC. SURF. COURSE 4.09 ON 6" COMPACTED 22.4 MSG.

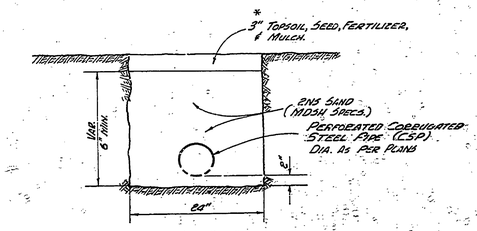
(4) ON LINE "E" UTILIZE 3'-5' AROUND END 3' TO SLOPE EX. LOT DOWN TO TOP OF TRENCH.

NOTE:
BACKFILL MATERIAL SHALL BE COMPACTED TO NOT LESS THAN 95 PER CENT OF THE MAXIMUM UNIT WEIGHT.
WHERE THE DEPTH OF FILL CALLED FOR ON THE PLANS OR IN THE PROPOSAL IS IN EXCESS OF 12 INCHES, SUCH MATERIAL SHALL BE PLACED IN LAYERS NOT EXCEEDING 12 INCHES IN DEPTH, COMPACTED.



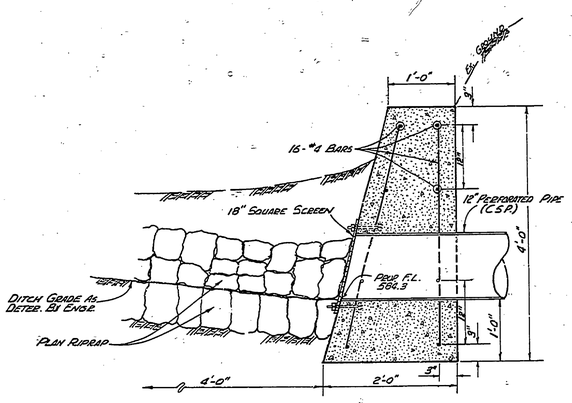
NON-PERFORATED PIPE TRENCH

Scale - 1" = 1'-0"



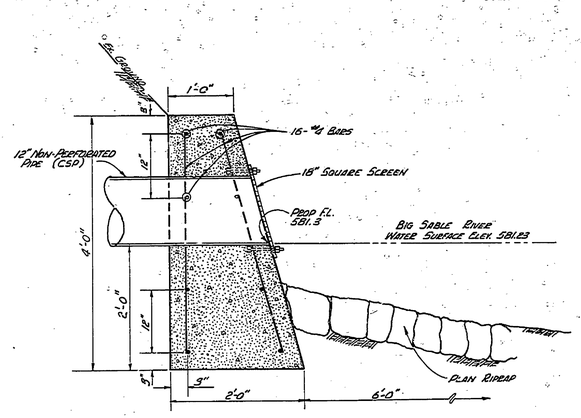
PERFORATED PIPE TRENCH

Scale - 1" = 1'-0"



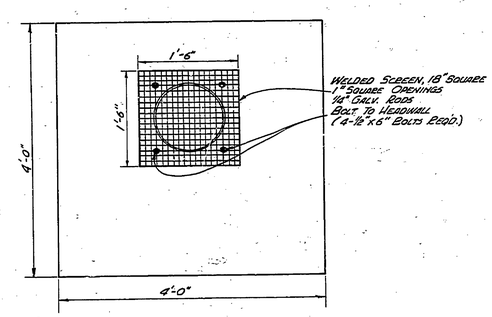
INLET HEADWALL SECTION

Scale - 1" = 1'-0"



OUTLET HEADWALL SECTION

Scale - 1" = 1'-0"



FRONT HEADWALL VIEW

Scale - 1" = 1'-0"

SURVEYED BY		DRAWN BY J. LEMMON	8-71	NO.	DATE	BY	REVISIONS	NO.	DATE	BY	REVISIONS	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	TYPICAL SECTIONS
DESIGNED BY A. EGRES	8-71	CHECKED BY		1.				3.					SHEET TITLE
	DATE		DATE	2.				4.					

AREA OR PARK: LUDINGTON STATE PARK
PROJECT: CEDAR CAMPGROUND DRAINAGE
PROJECT NO. 24-1201
SHEET 2 OF 2
PLAN NO. E-133