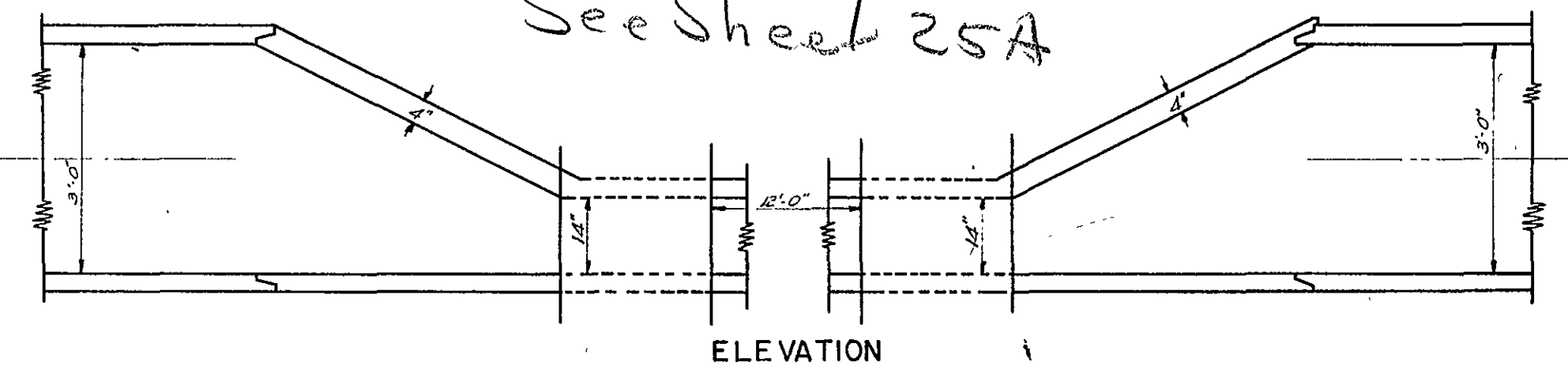
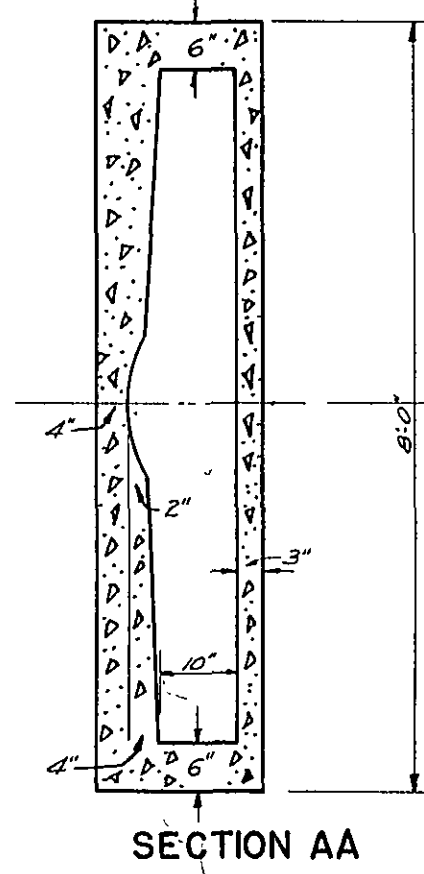
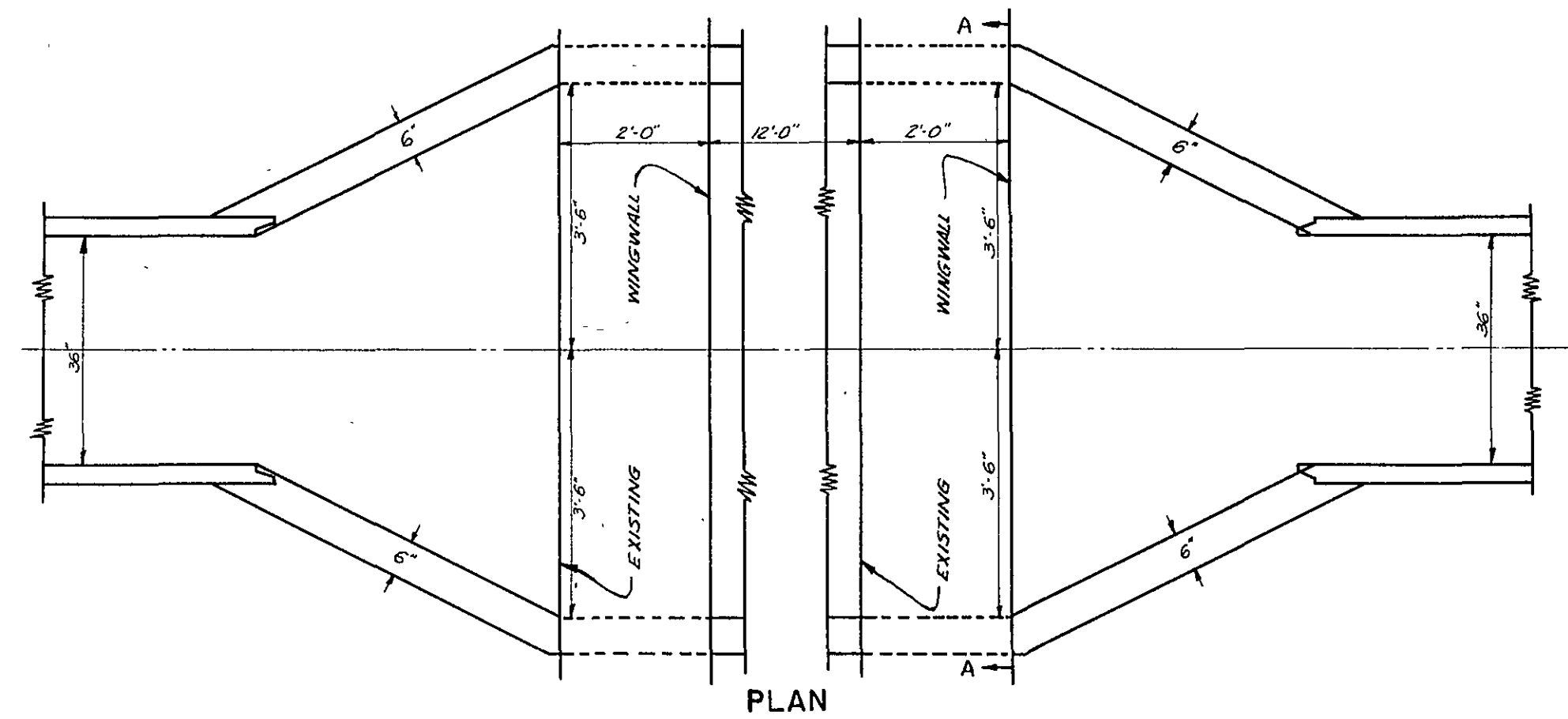
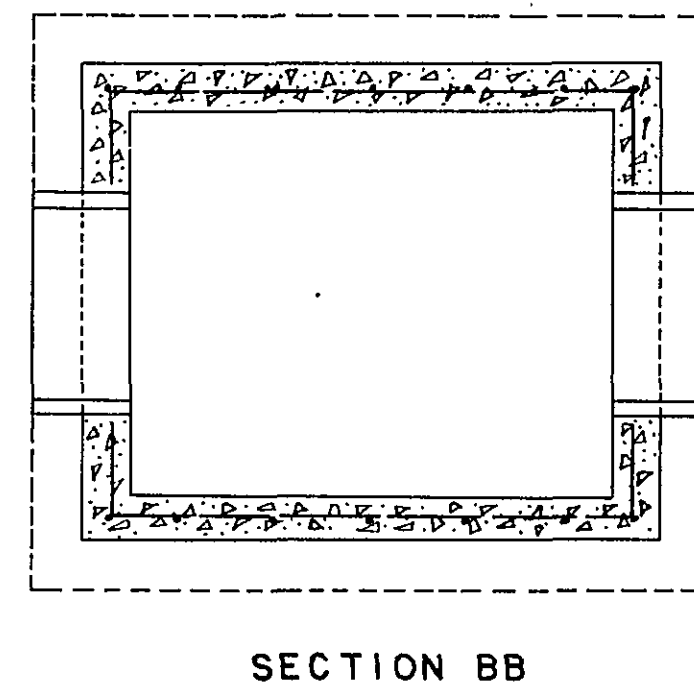
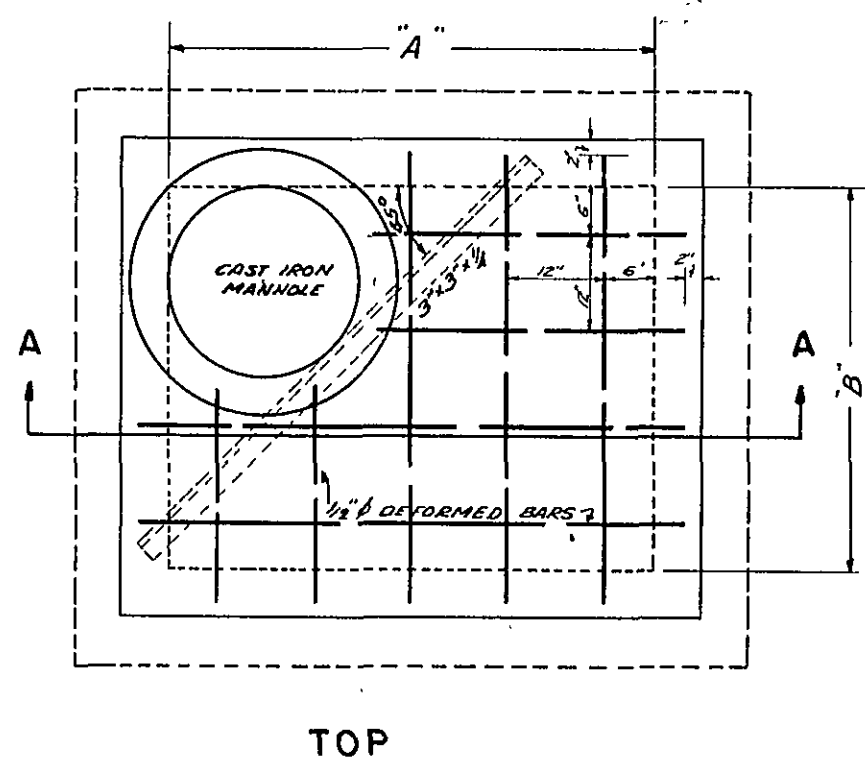




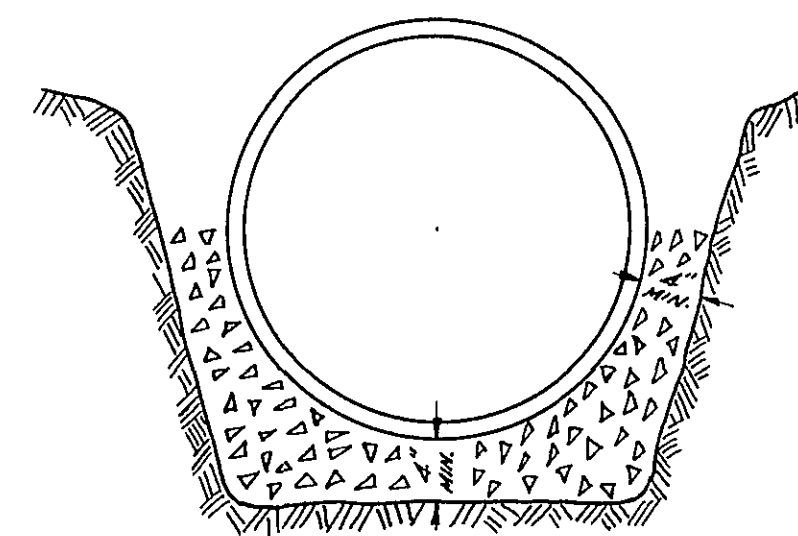
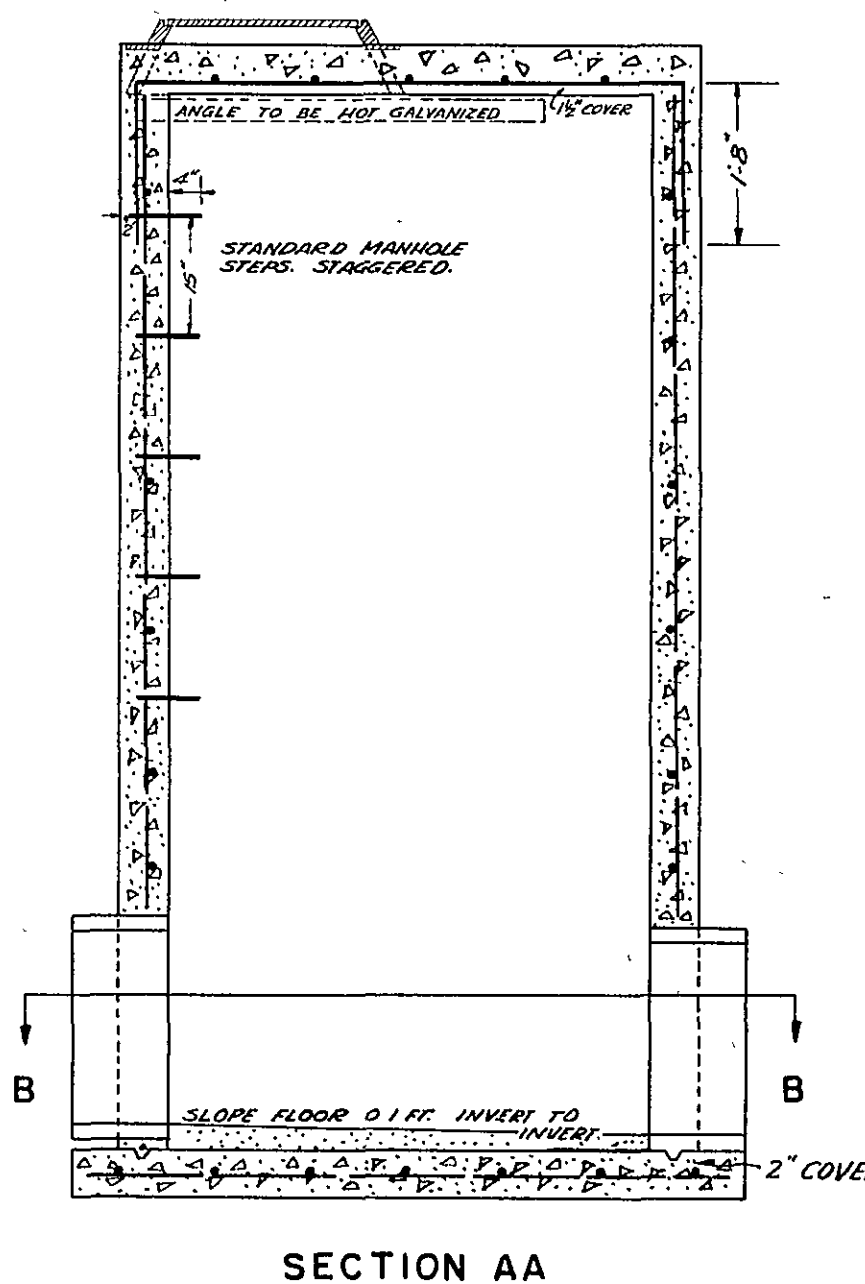
CULVERT CROSSING
MANHOLE 83 to 84
SCALE: 1/2" = 1'-0"



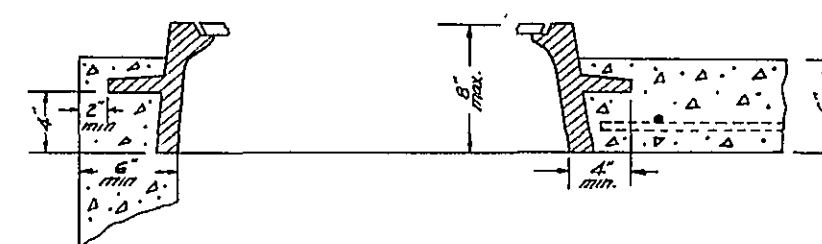
STANDARD CONCRETE MANHOLE
DETAIL
SCALE: 1/2" = 1'-0"

MANHOLE DIMENSIONS					
DEPTH	WALL	SLAB	PIPE DIAMETERS	A	B
0'-6"	6"	6"	36", 42", 48"	5'0"	5'0"
6'-10"	8"	8"			
10'-OVER	12"	8"	30" UNDER	4'0"	4'0"

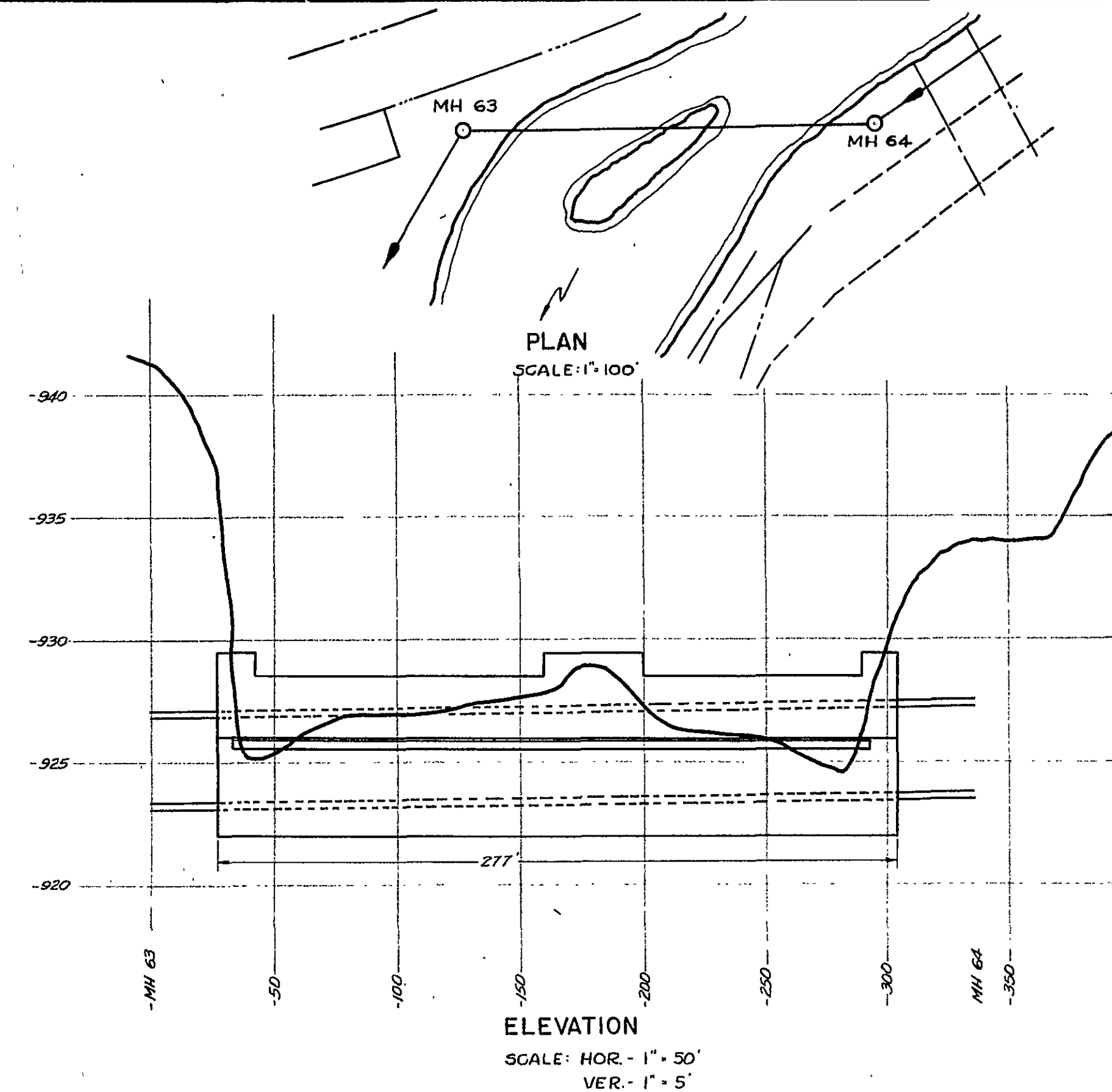
NOTE:
WALL STEEL -
VERTICAL - 1/2" ϕ @ 12" CC.
HORIZONTAL - 1/2" ϕ @ 18" CC.
SLAB STEEL -
1/2" ϕ @ 12" CC. BOTHWAYS
1/2" ϕ DOWELS @ 12" CC. WHERE POSSIBLE;
20" EMBEDMENT IN WALL & IN SLAB.



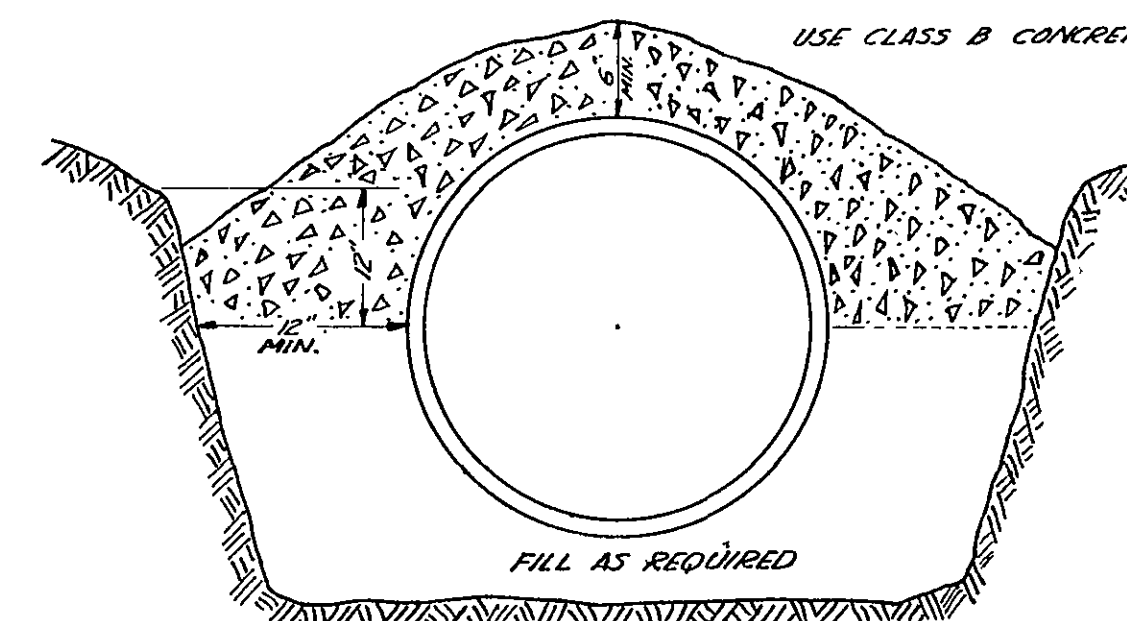
STANDARD CRUSHED STONE
CRADLE
SCALE: 1" = 1'-0"



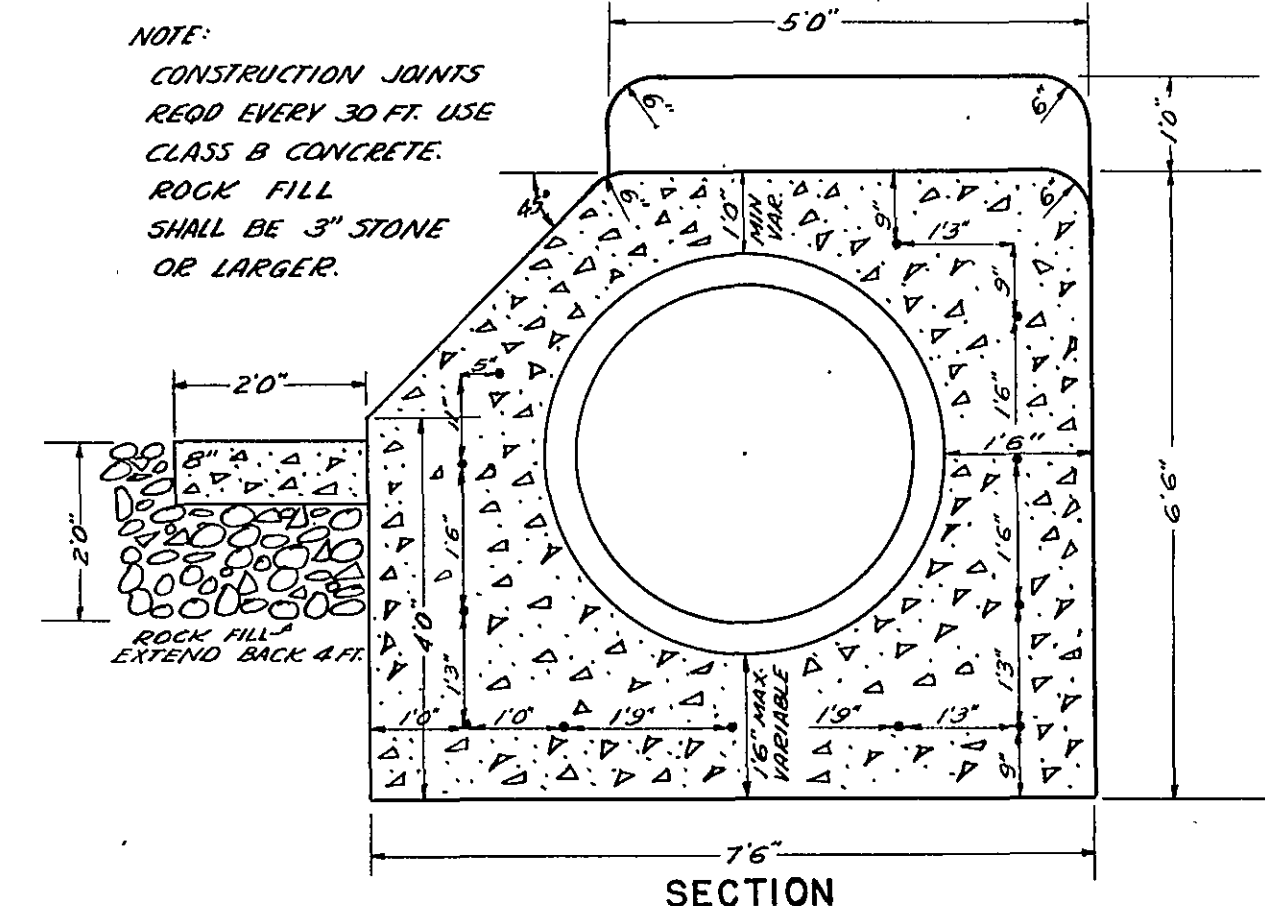
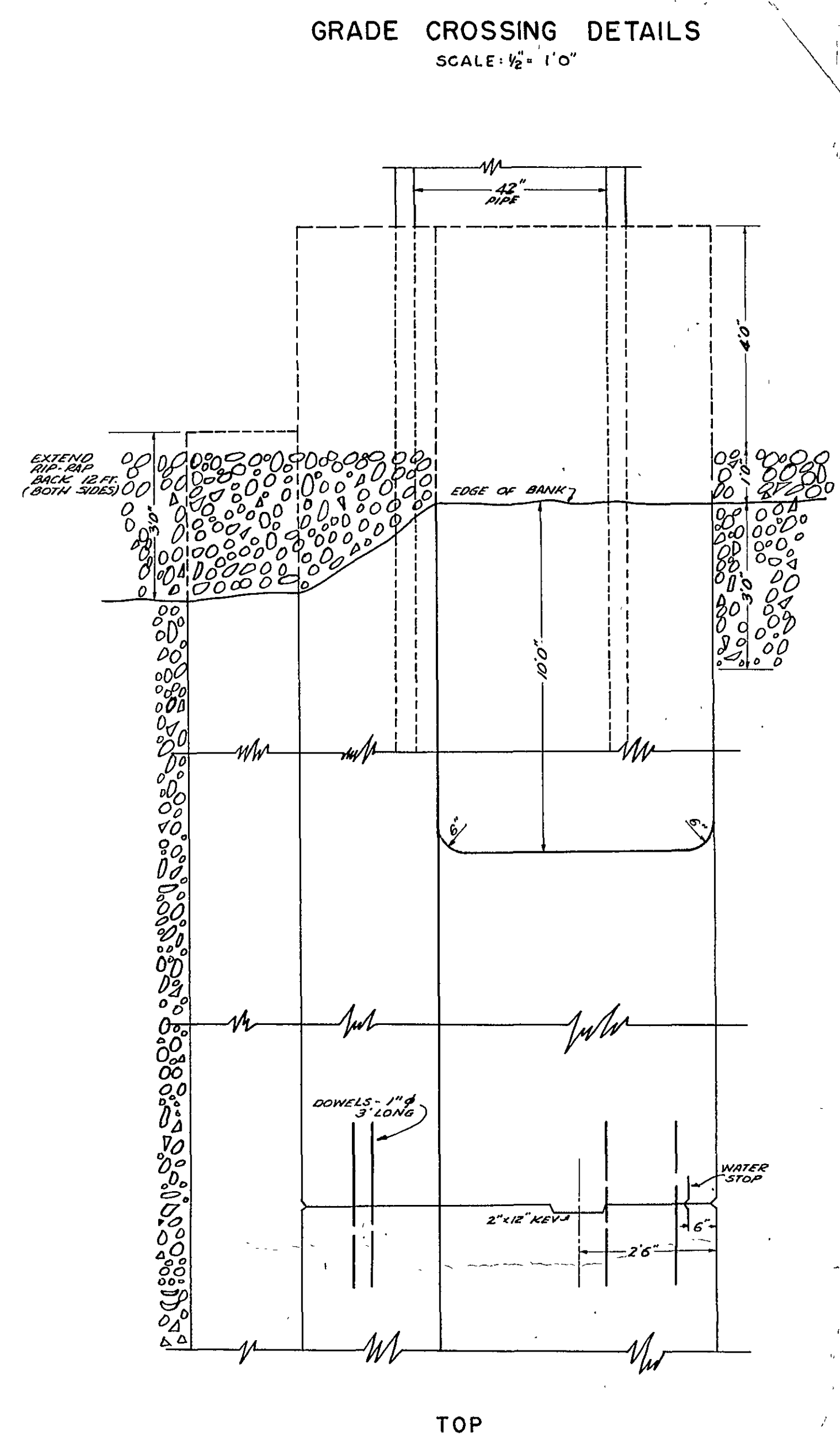
STANDARD MANHOLE FRAME
to be used with siphon chambers
and type B manholes.
SCALE: 1" = 1'-0"



GRADE CROSSING
MANHOLE 64 to 63



STANDARD CONCRETE CAP
SCALE: 1" = 1'-0"



NOTE:
CONSTRUCTION JOINTS
REQD EVERY 30 FT. USE
CLASS B CONCRETE.
ROCK FILL
SHALL BE 3" STONE
OR LARGER.

Contract D

ALVORD, BURDICK & HOWSON | MATTERN & MATTERN
ENGINEERS
CHICAGO, ILL. | ROANOKE, VA.

SANITARY SEWER PROJECT No. 3-1950
TRUNK LINE DETAILS
City of Roanoke, Virginia

DESIGNED	GLM	SCALE	As Noted	COM. NO.	291-A
DRAWN	FWG	DATE	12 August 1950	SHEET NO.	27 of 28
CHECKED	GLM				