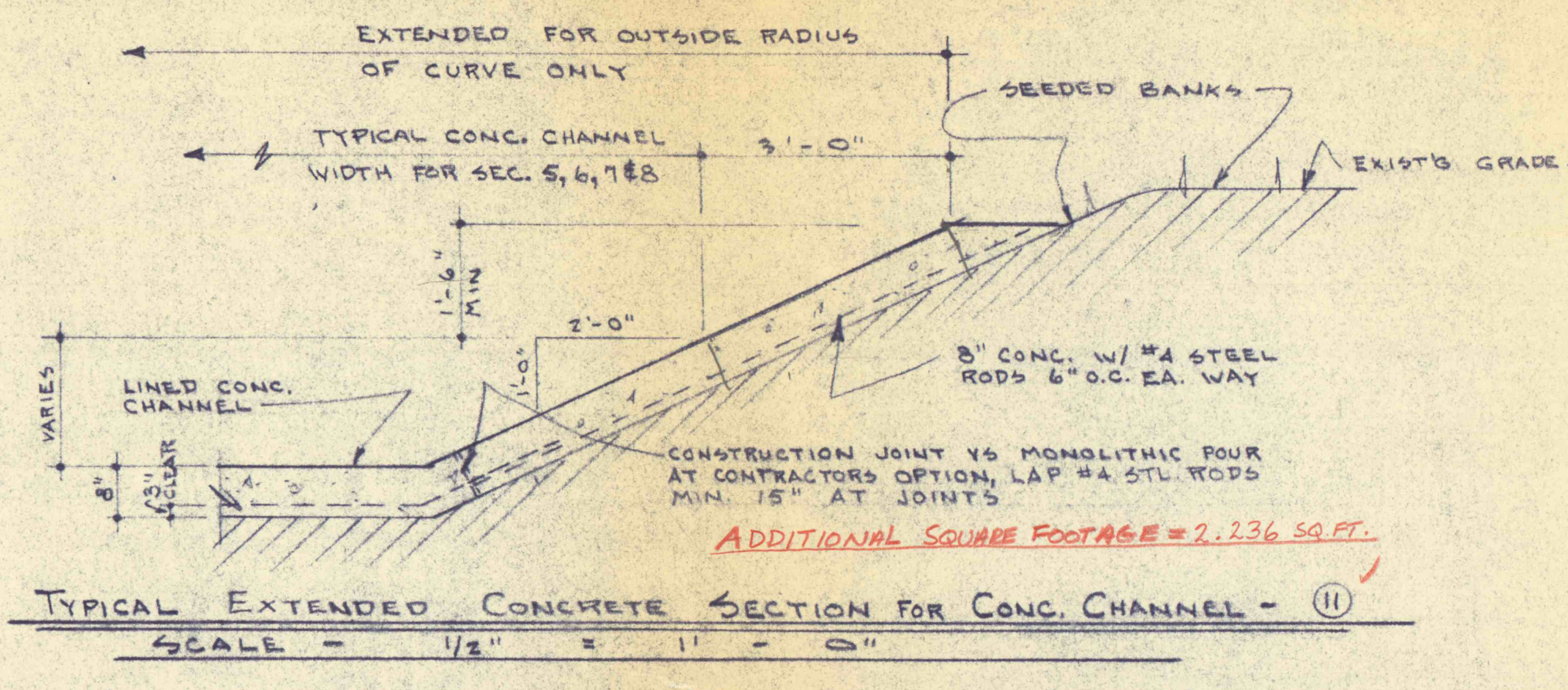
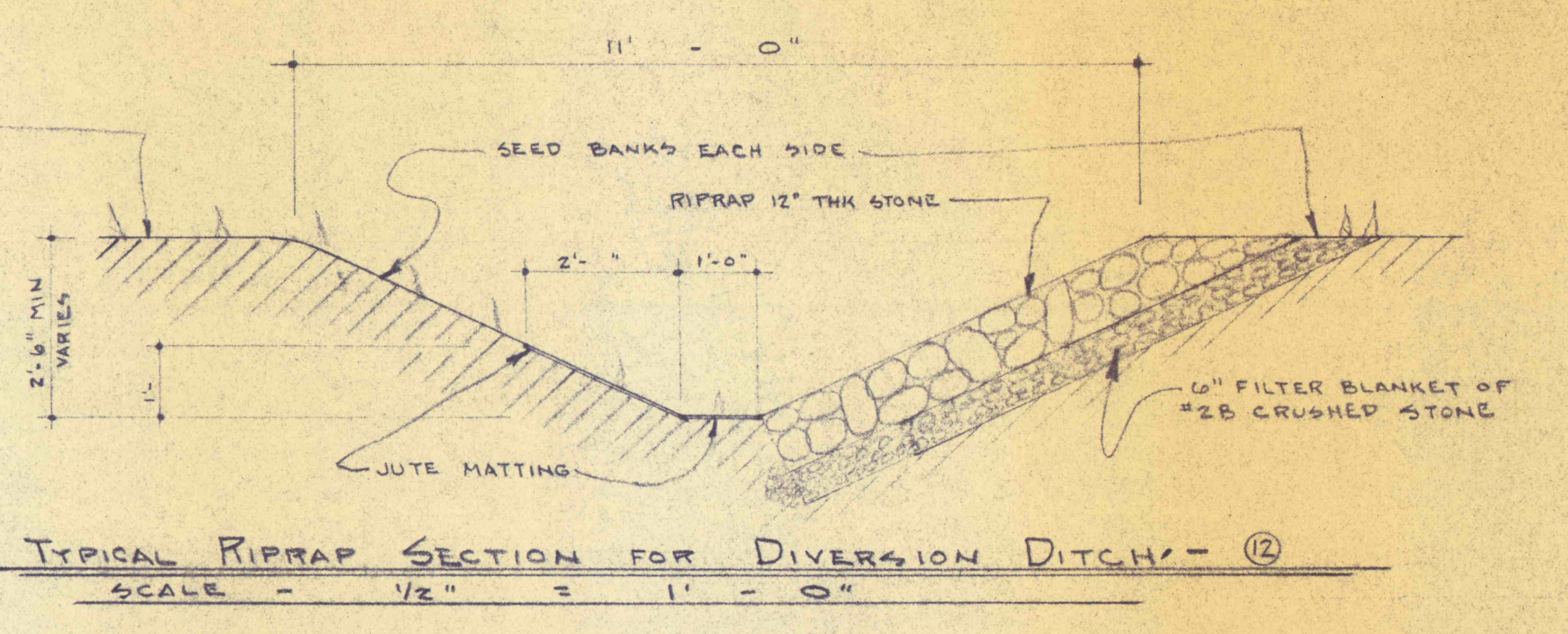


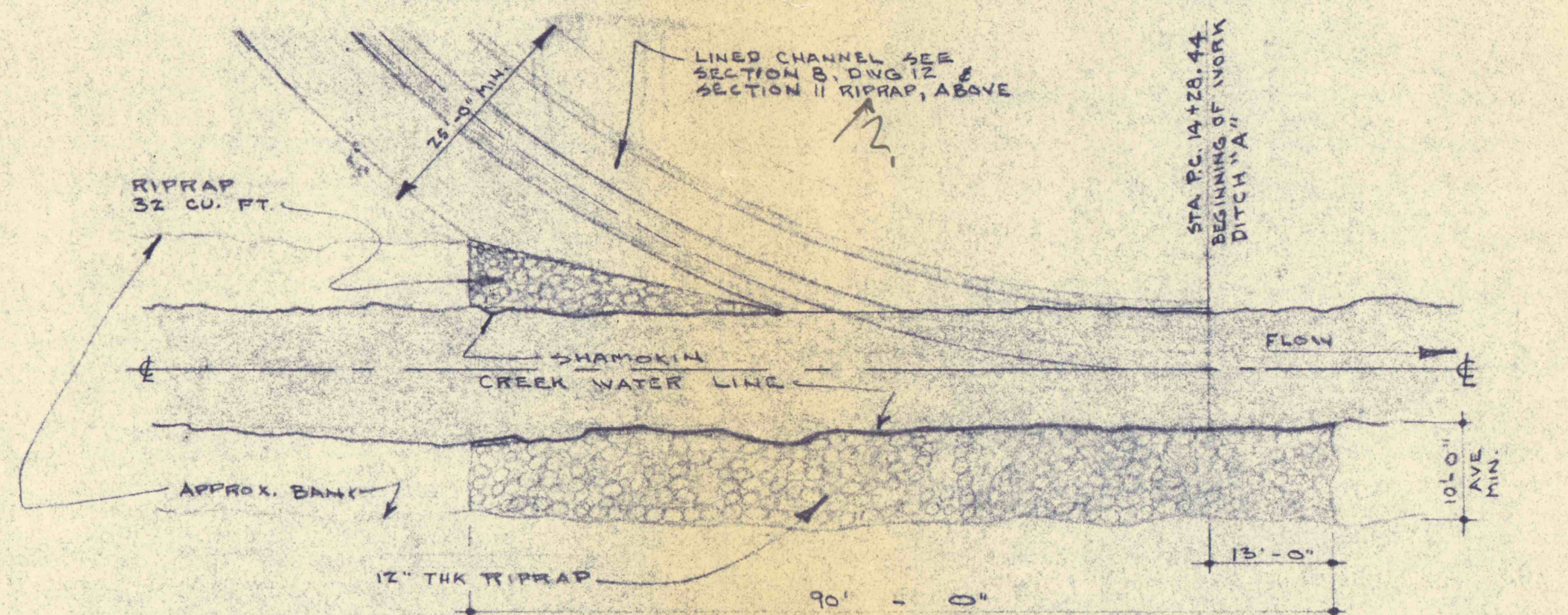
TYPICAL END DETAIL OF BIT. DRAIN - (B)
SCALE - AS SHOWN



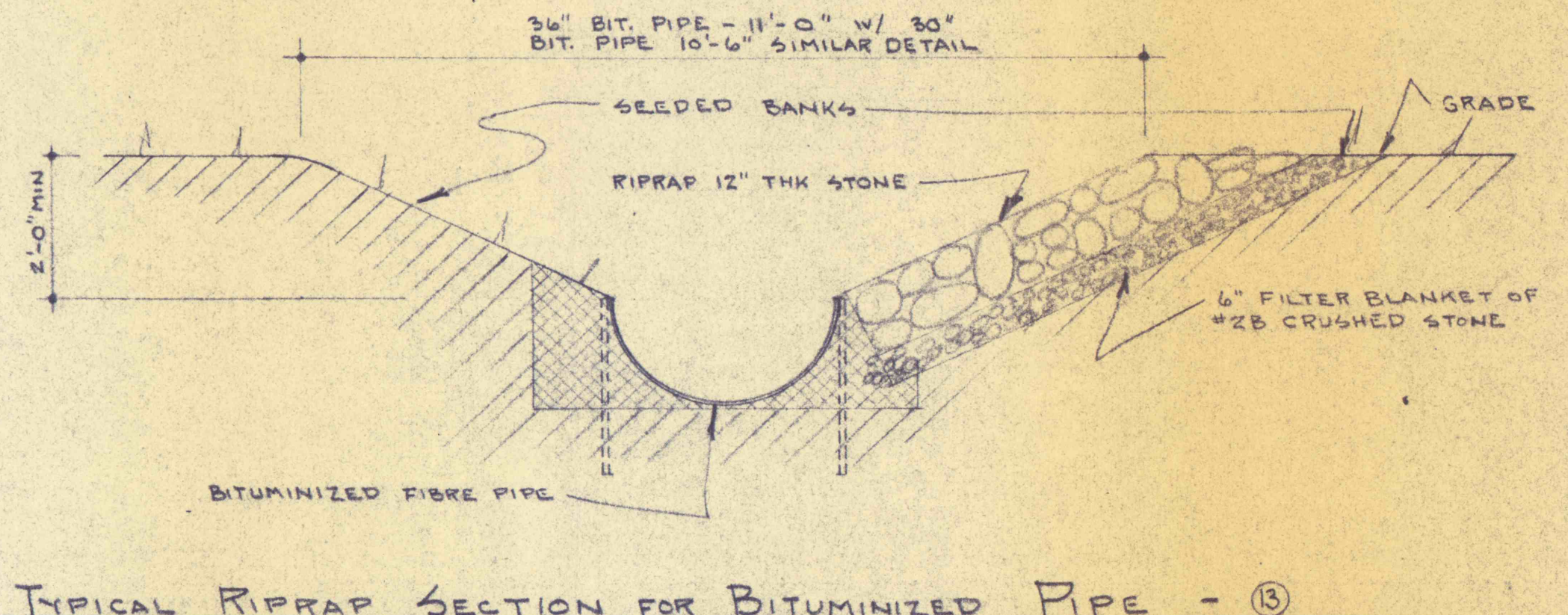
TYPICAL EXTENDED CONCRETE SECTION FOR CONC. CHANNEL - (11)
SCALE - 1/2" = 1' - 0"



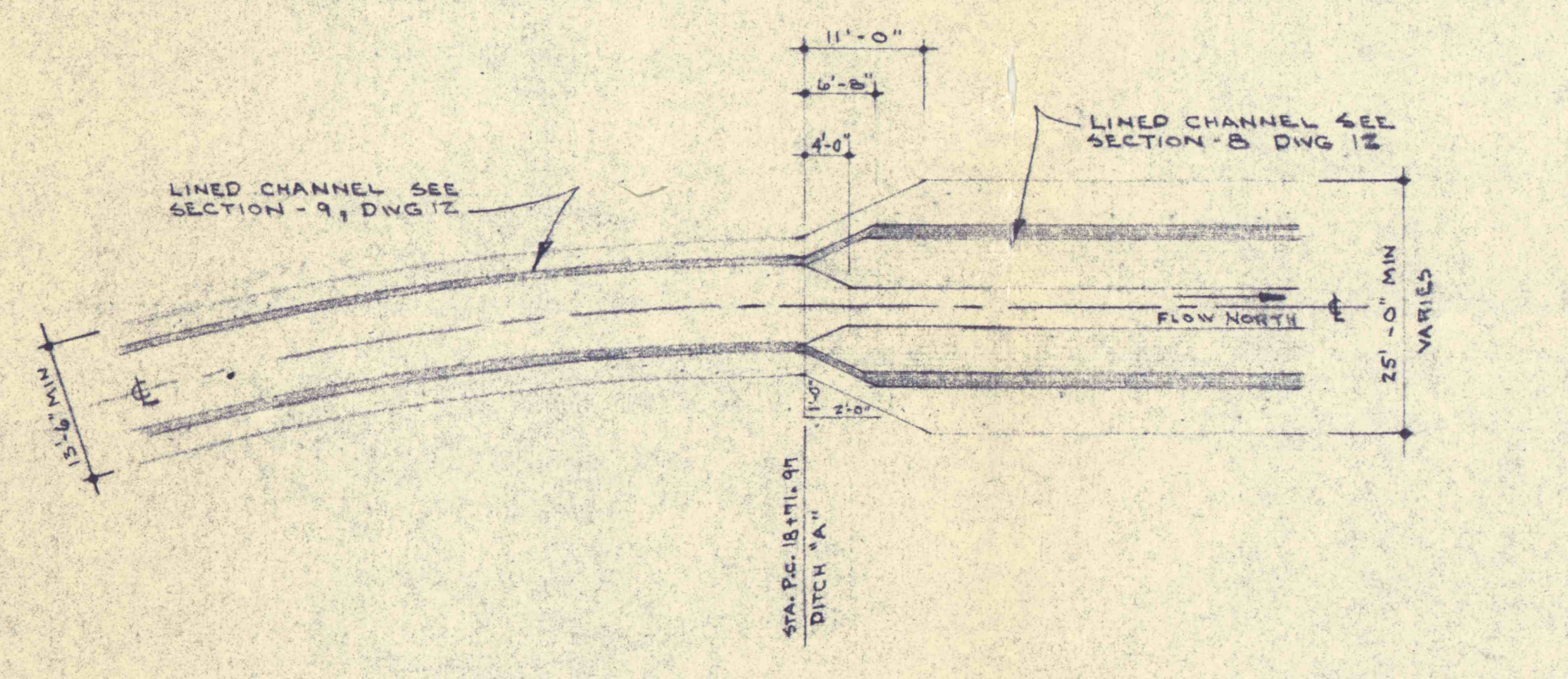
TYPICAL RIPRAP SECTION FOR DIVERSION DITCH - (12)
SCALE - 1/2" = 1' - 0"



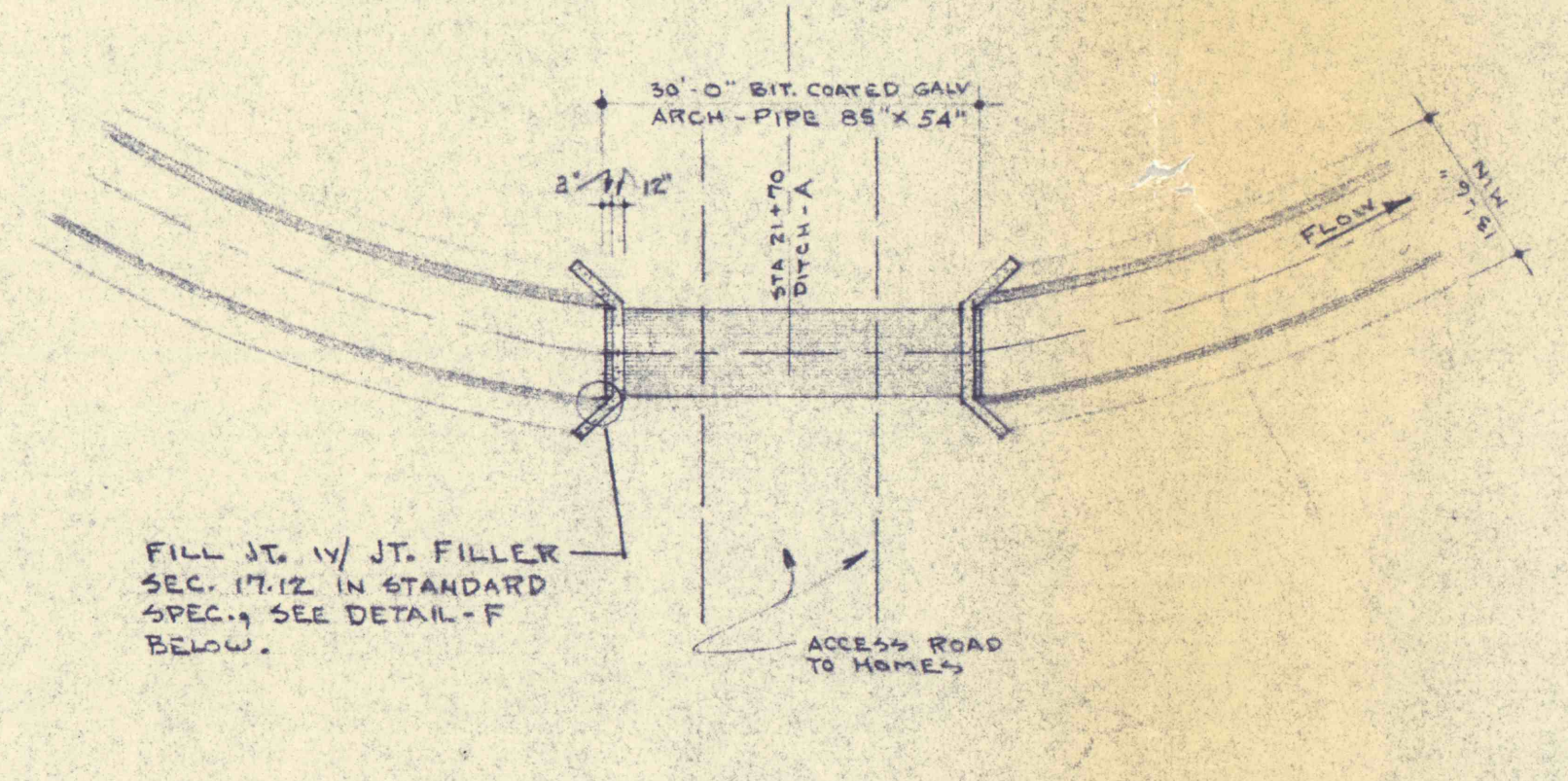
CONNECTION OF DITCH "A" W/ SHAMOKIN CK. DETAIL - (C)
SCALE - 1/16" = 1' - 0"



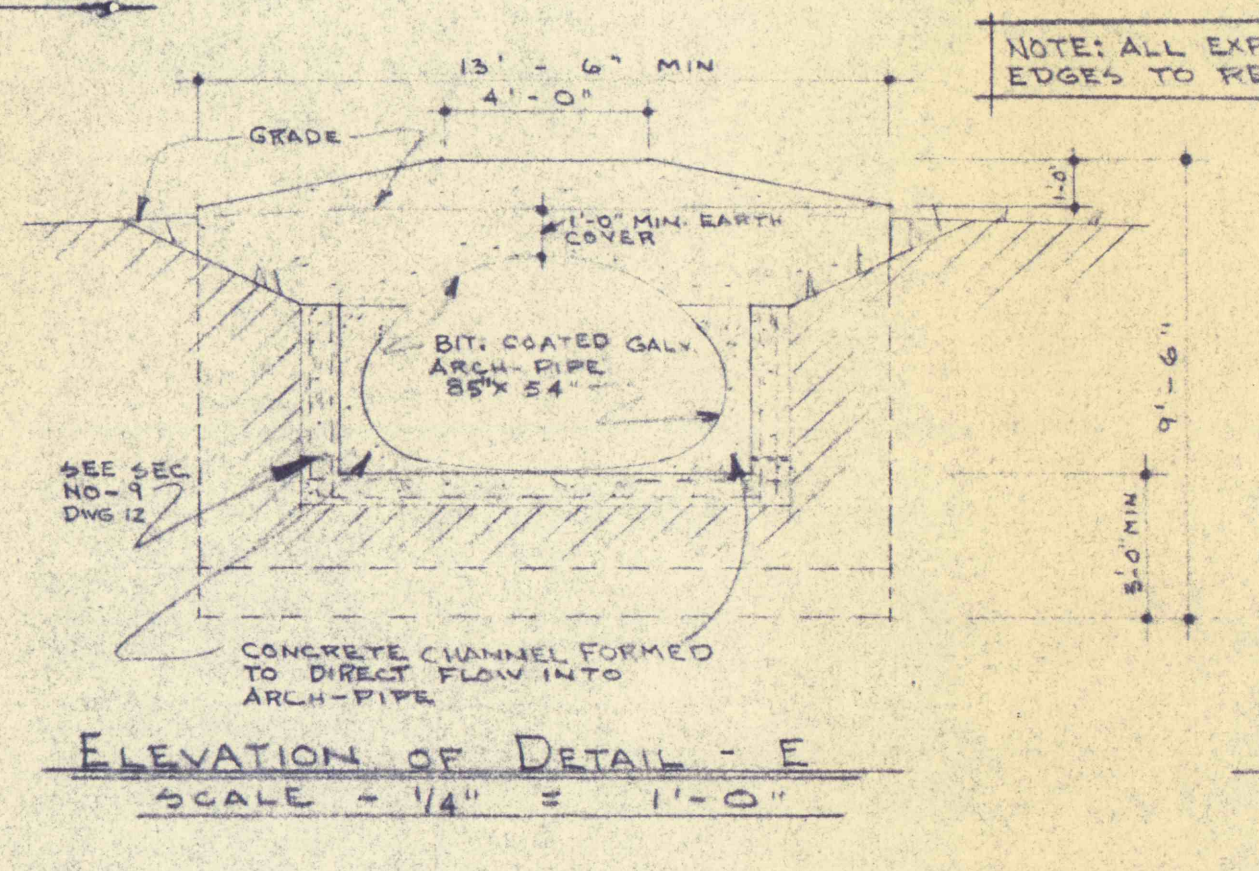
TYPICAL RIPRAP SECTION FOR BITUMINIZED PIPE - (13)
SCALE - 1/2" = 1' - 0"



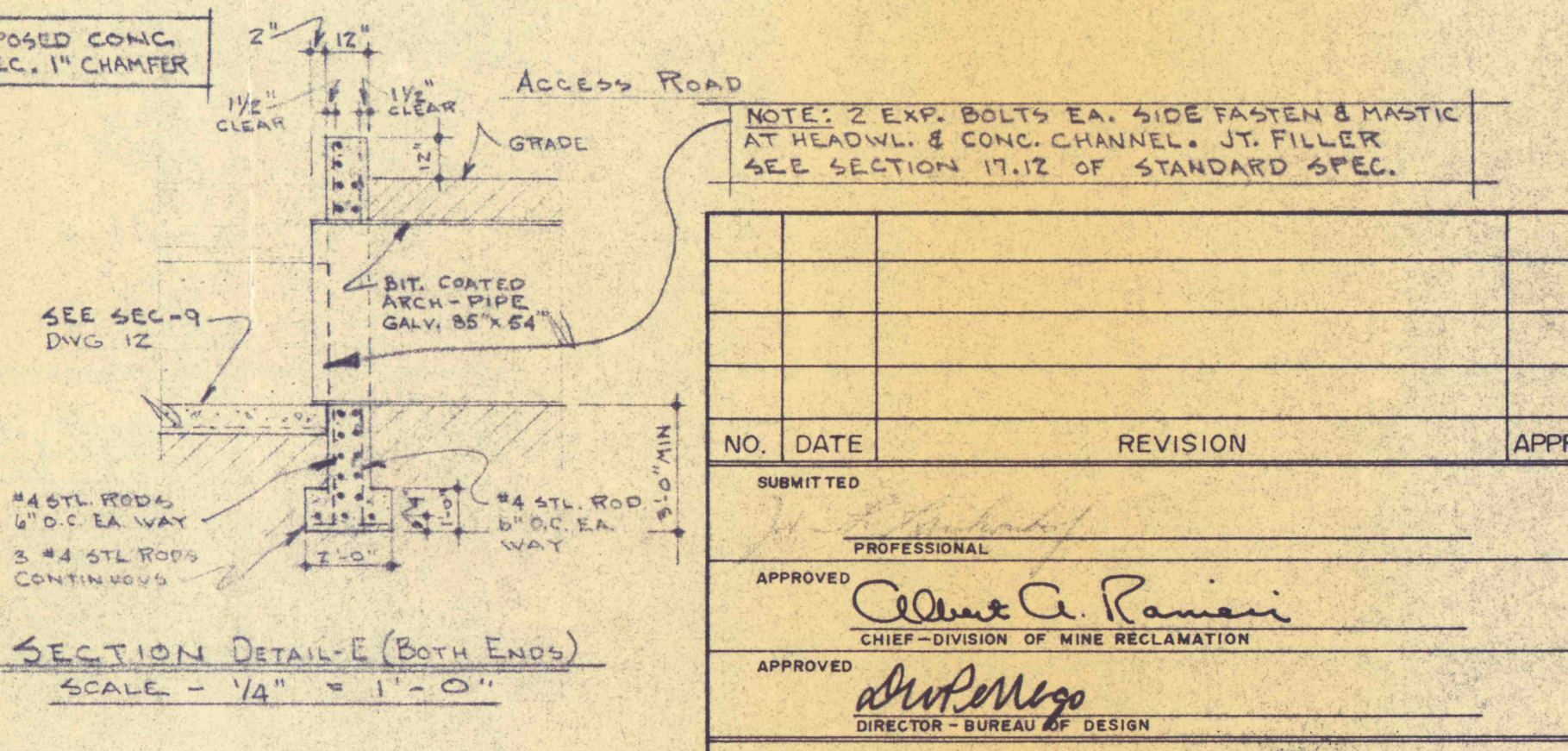
CONN. DETAIL OF SECTIONS-8 & 9 ON DITCH "A" - (D)
SCALE - 1/16" = 1' - 0"



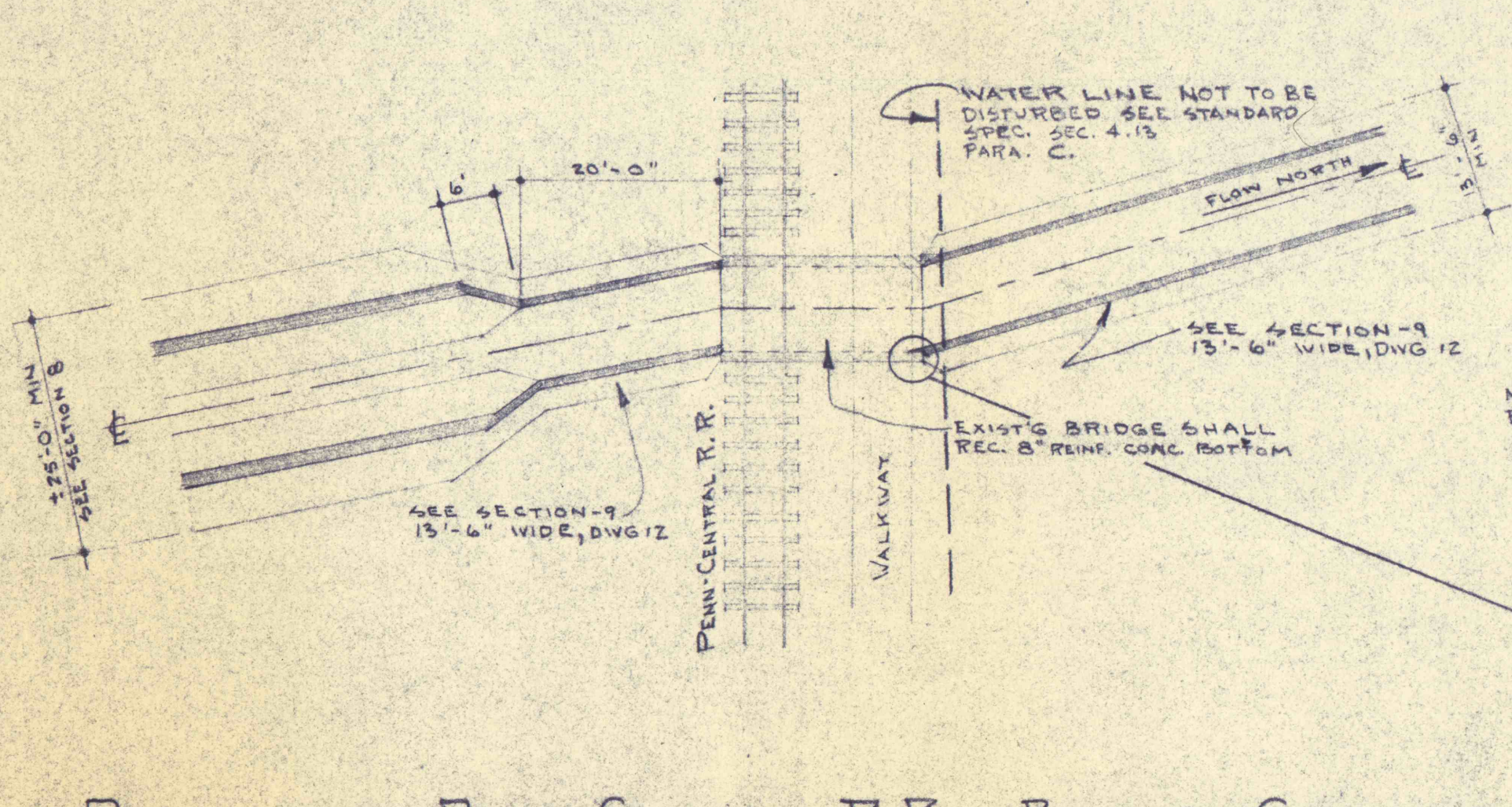
DETAIL OF BITUMINOUS COATED GALV. STEEL ARCH-PIPE IN VILLAGE OF EXCELSIOR, BETWEEN STA. 21+55 & 21+85 "A" - (E)
SCALE - 1/16" = 1' - 0"



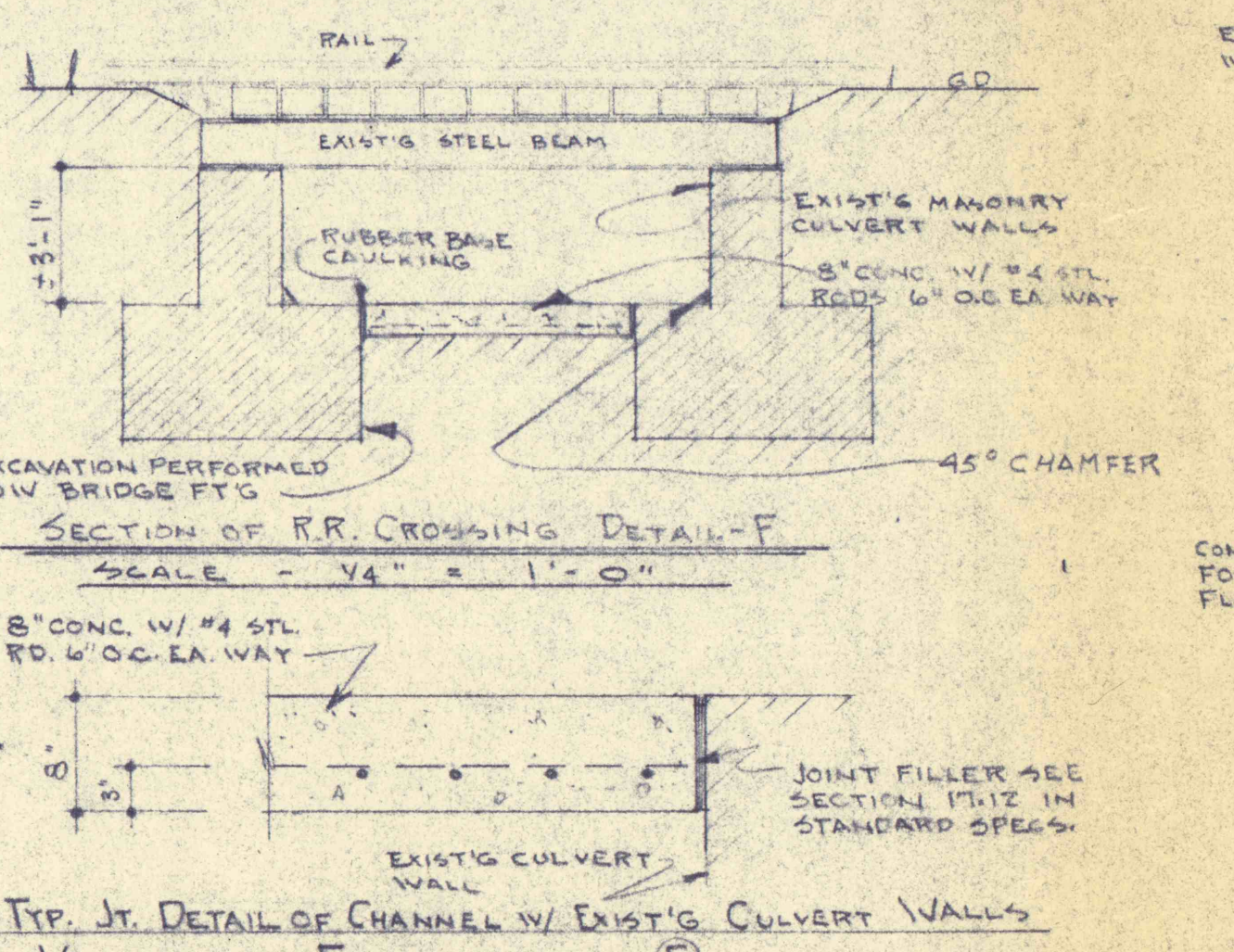
ELEVATION OF DETAIL - E
SCALE - 1/4" = 1' - 0"



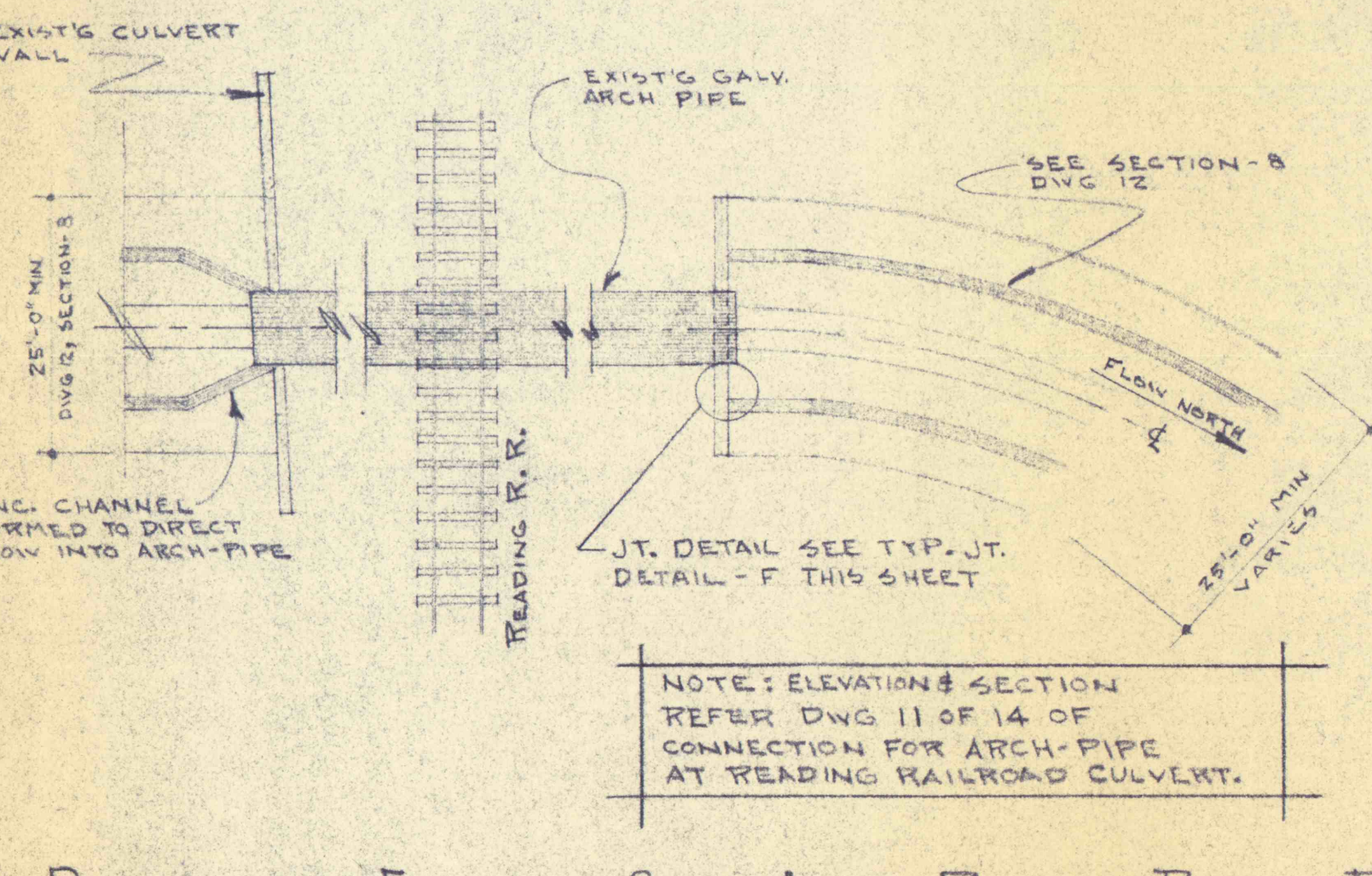
SECTION DETAIL - E (BOTH ENDS)
SCALE - 1/4" = 1' - 0"



DETAIL OF PENN CENTRAL R.R. BRIDGE CROSSING IN VILLAGE OF EXCELSIOR - (F)
SCALE - 1/16" = 1' - 0"



SECTION OF R.R. CROSSING DETAIL - F
SCALE - 1/4" = 1' - 0"



DETAIL OF EXIST'G GALV. ARCH-PIPE AT READING R.R. - (G)
SCALE - 1/16" = 1' - 0"

NO.	DATE	REVISION	APPR.

PROFESSIONAL
APPROVED *Albert A. Ramani*
CHIEF-DIVISION OF MINE RECLAMATION
APPROVED *DuPont*
DIRECTOR - BUREAU OF DESIGN

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
OFFICE OF RESOURCES MANAGEMENT

PROJECT NO. SL 113-2
MINE DRAINAGE POLLUTION ABATEMENT
QUICK STARTS E, F and G
SHAMOKIN CREEK WATERSHED

JOHN S. LUCKENS ASSOC.
P. O. Box 190 Shamokin, Penna.

SECTIONS & DETAILS

DRAWN BY	DATE	DRAWING NO.
CHECKED BY	SCALE	
	As Shown	13 of 14