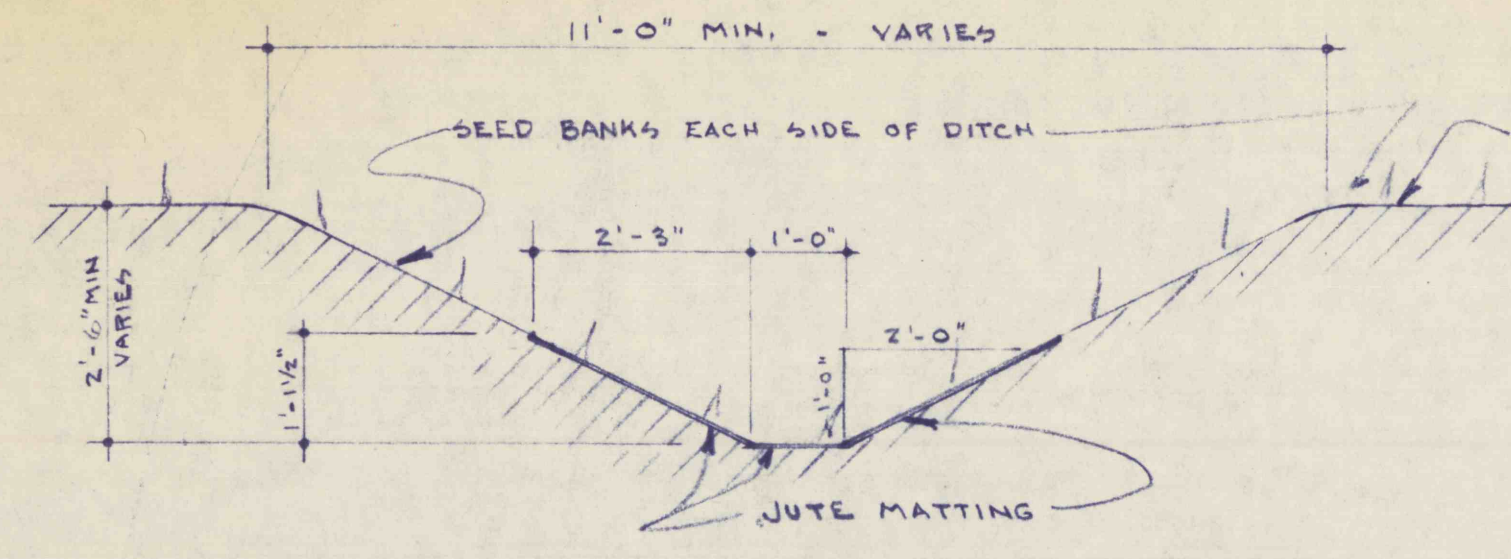
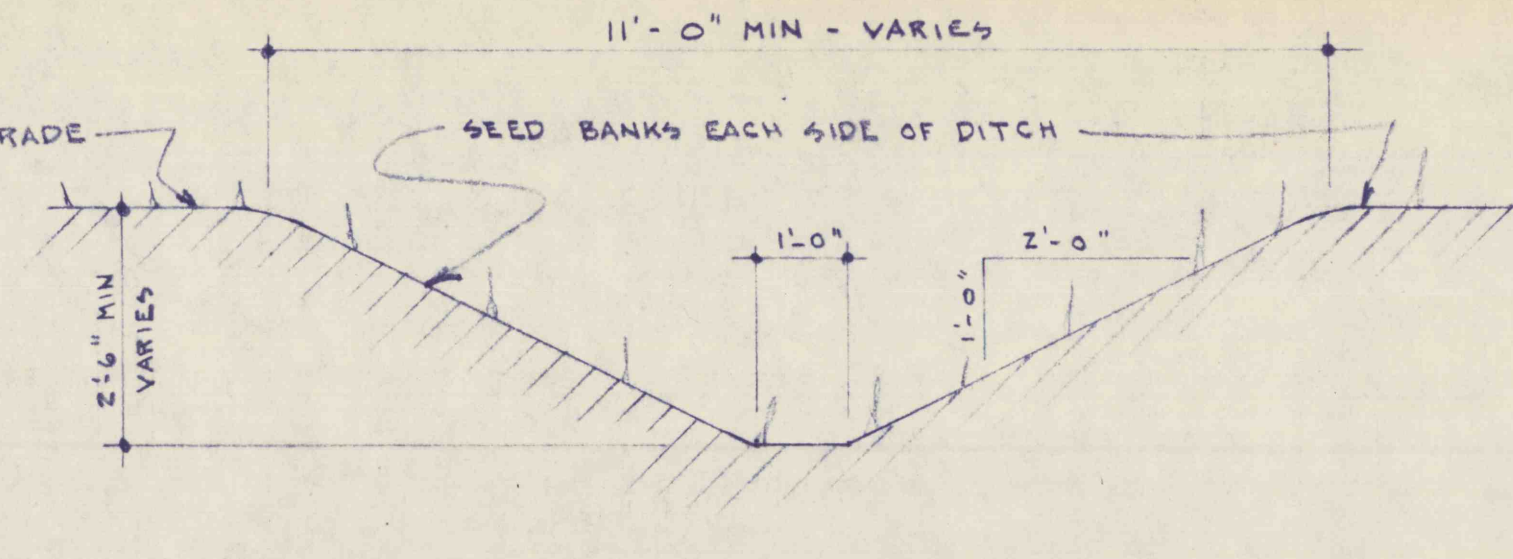


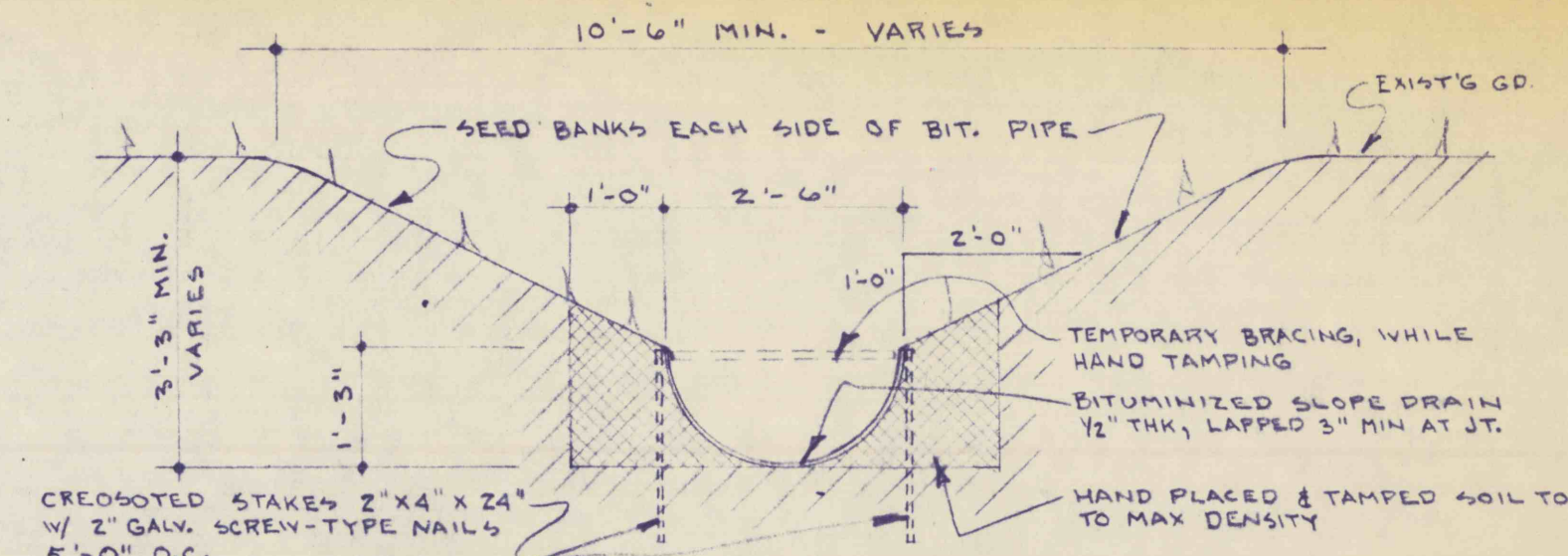
NOTE: ALL CONC. CHANNELS SHALL RECEIVE A CONTRACTION JT. EVERY 30' O.C. & EXPANSION JT. EVERY 90' O.C.



TYPICAL DIVERSION DITCH SECTION w/ JUTE MATTING - ①
SCALE - 1/2" = 1' - 0"



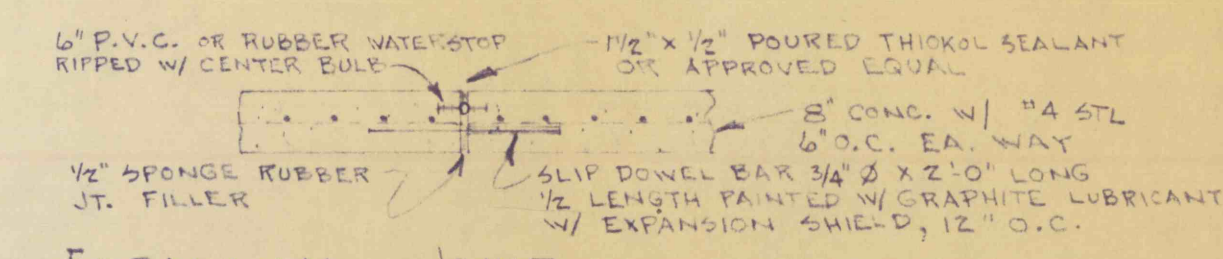
TYPICAL DIVERSION DITCH SECTION - ②
SCALE - 1/2" = 1' - 0"



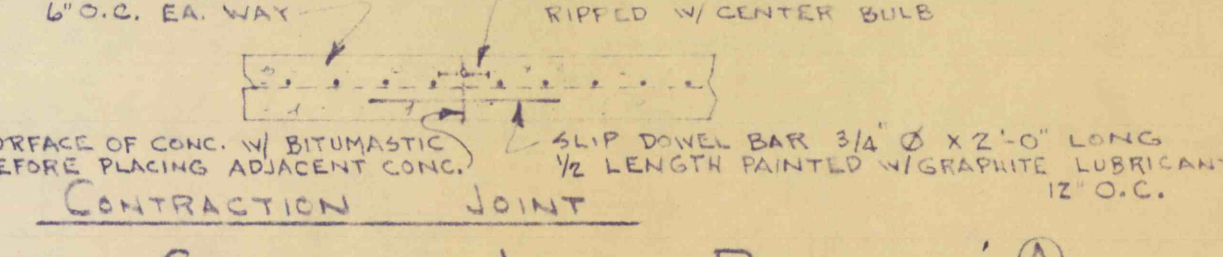
TYPICAL SECTION OF 30" BITUMINIZED SLOPE DRAIN - ③
SCALE - 1/2" = 1' - 0"



CONSTRUCTION JOINT

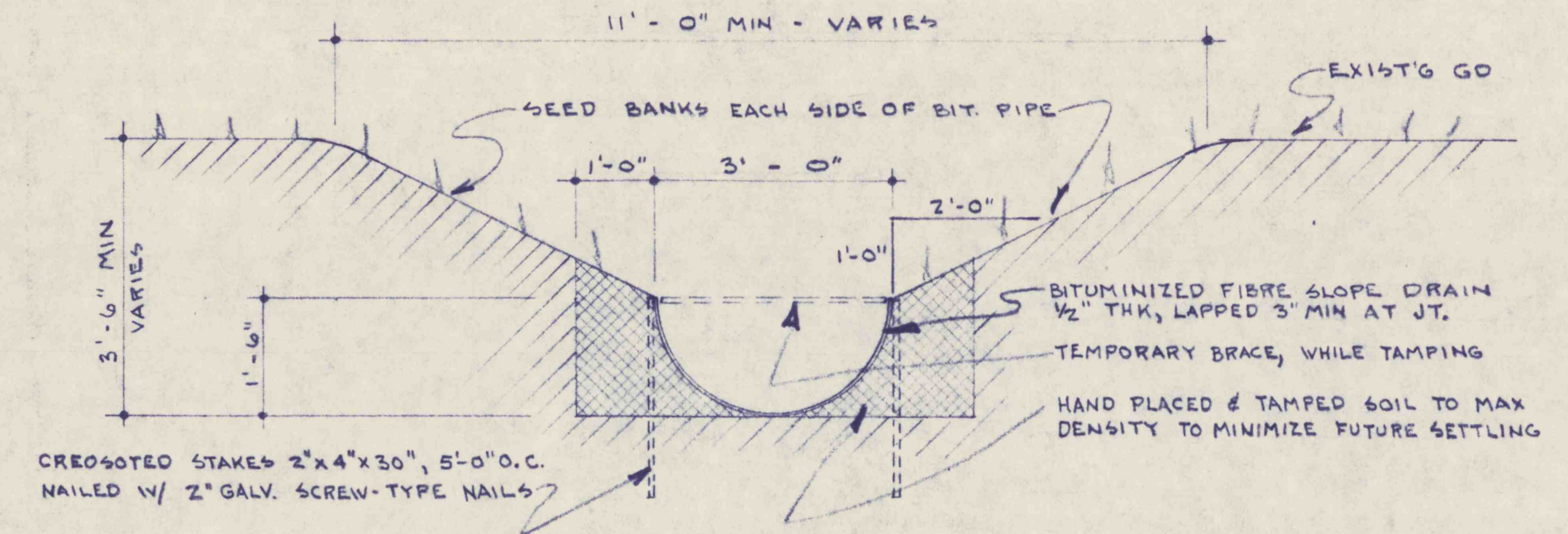


EXPANSION JOINT

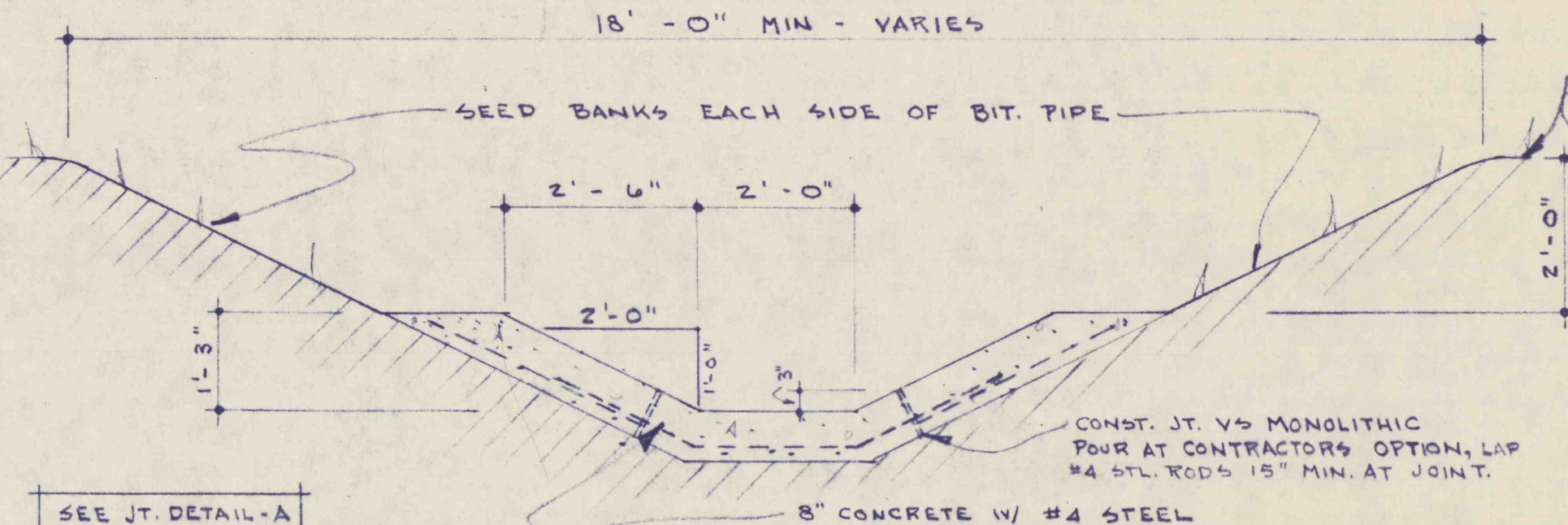


TYPICAL CONCRETE JOINT DETAILS - (A)
SCALE - 1/2" = 1' - 0"

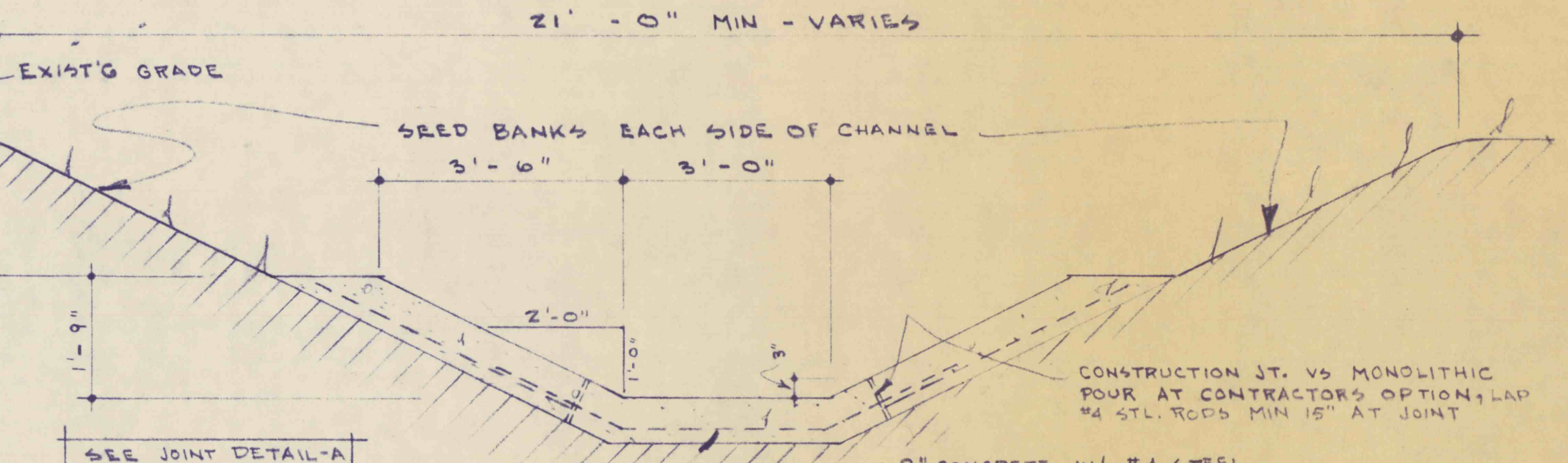
NOTE: SUB SURFACES OF ALL CHANNELS SHALL BE OF SUITABLE MATERIAL, FROM THE WORK AREAS. SUB SURFACE MATERIAL SHALL NOT BE SPOIL MATERIAL. WASTE & FILL MATERIAL UNSUITABLE FOR BEDDING SHALL BE REMOVED & PLACED IN PITS NEAR WORK AREA, WITH THE APPROVAL OF THE ENGINEER.



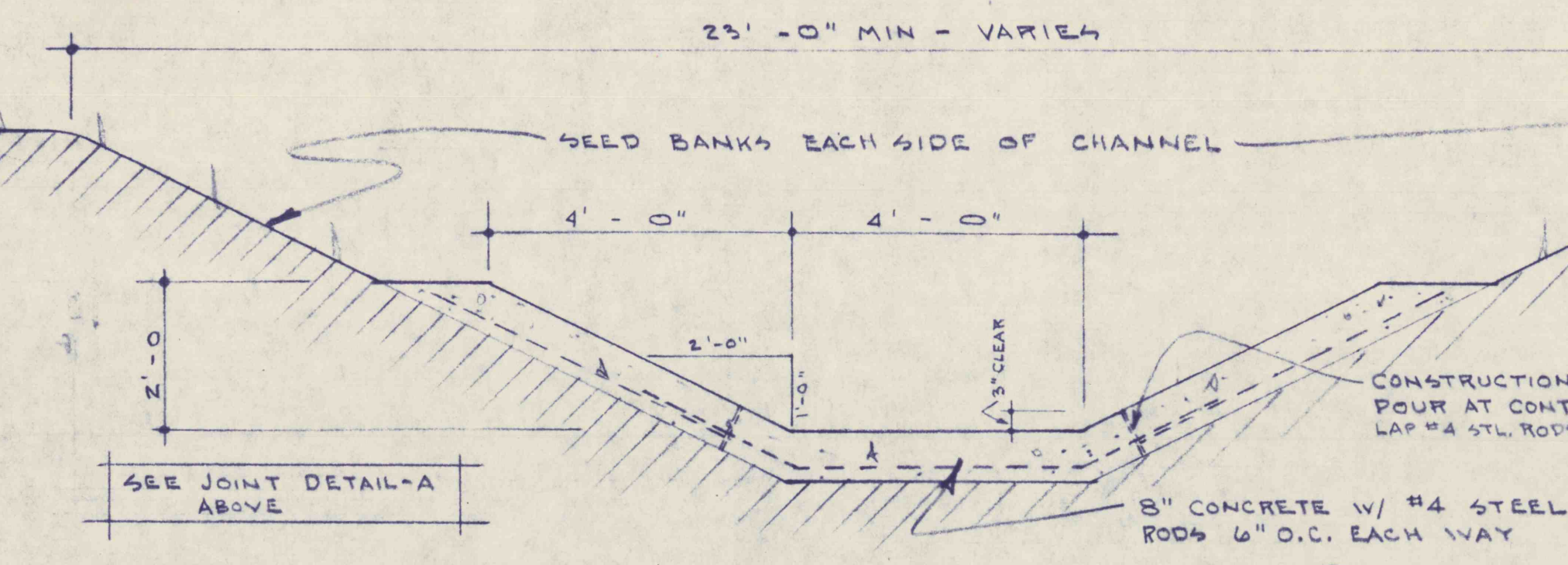
TYPICAL SECTION OF 36" BITUMINIZED SLOPE DRAIN - ④
SCALE - 1/2" = 1' - 0"



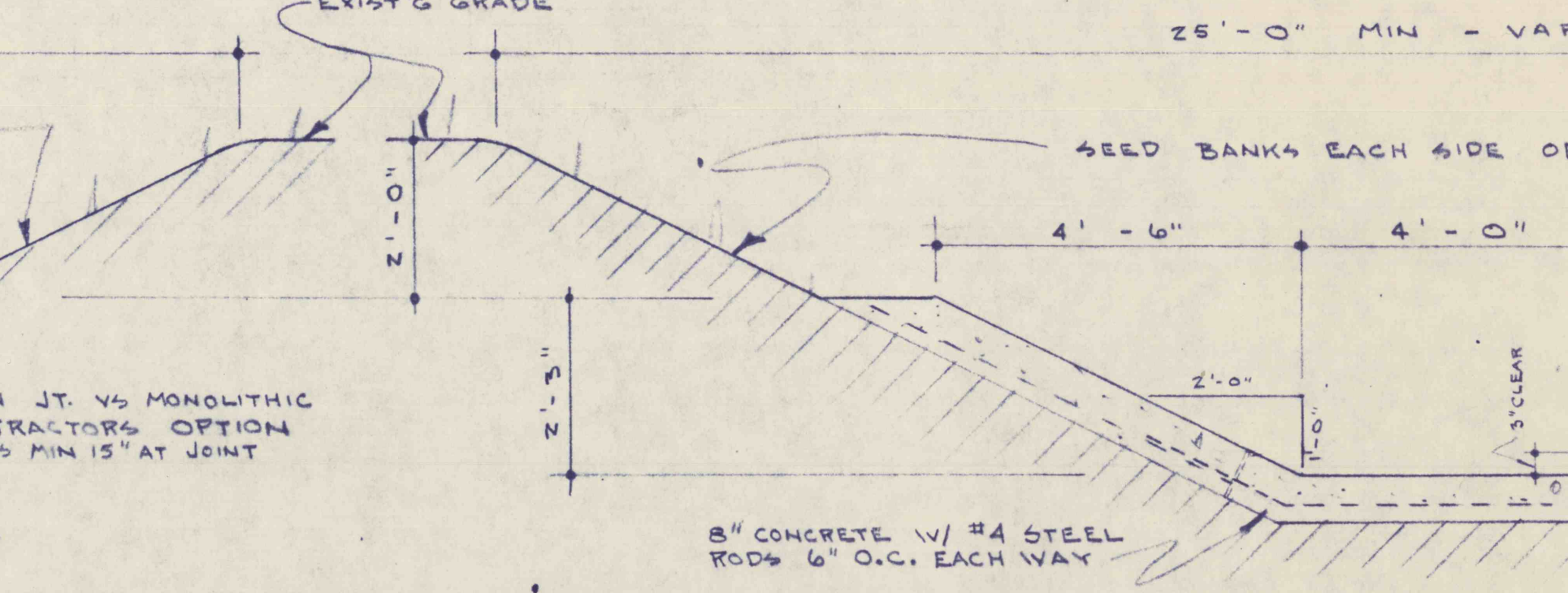
TYPICAL LINED CHANNEL SECTION - ⑤
SCALE - 1/2" = 1' - 0"



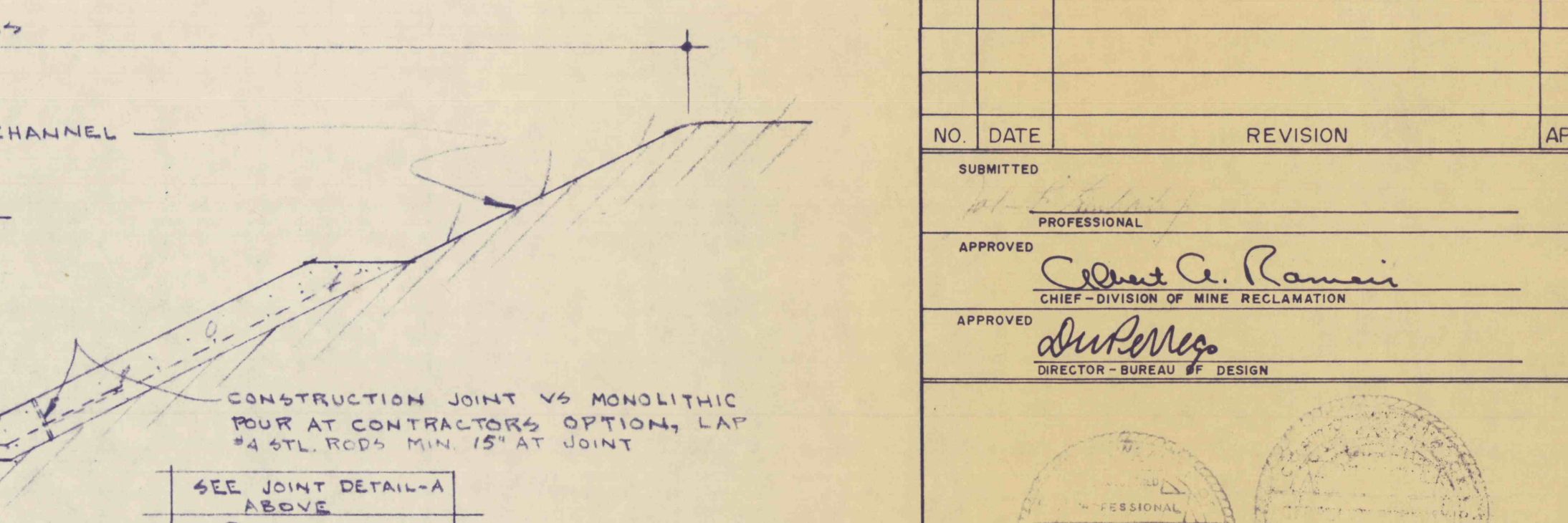
TYPICAL LINED CHANNEL SECTION - ⑥
SCALE - 1/2" = 1' - 0"



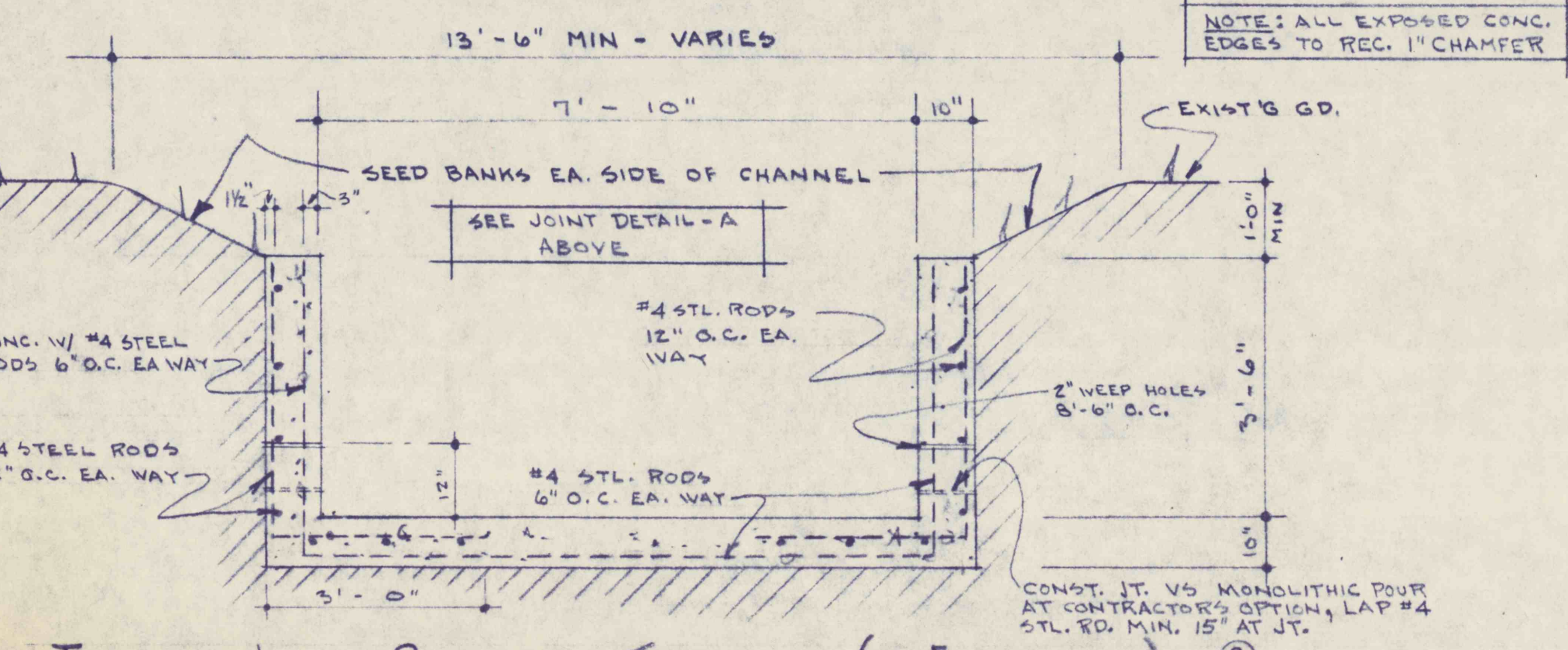
TYPICAL LINED CHANNEL SECTION - ⑦
SCALE - 1/2" = 1' - 0"



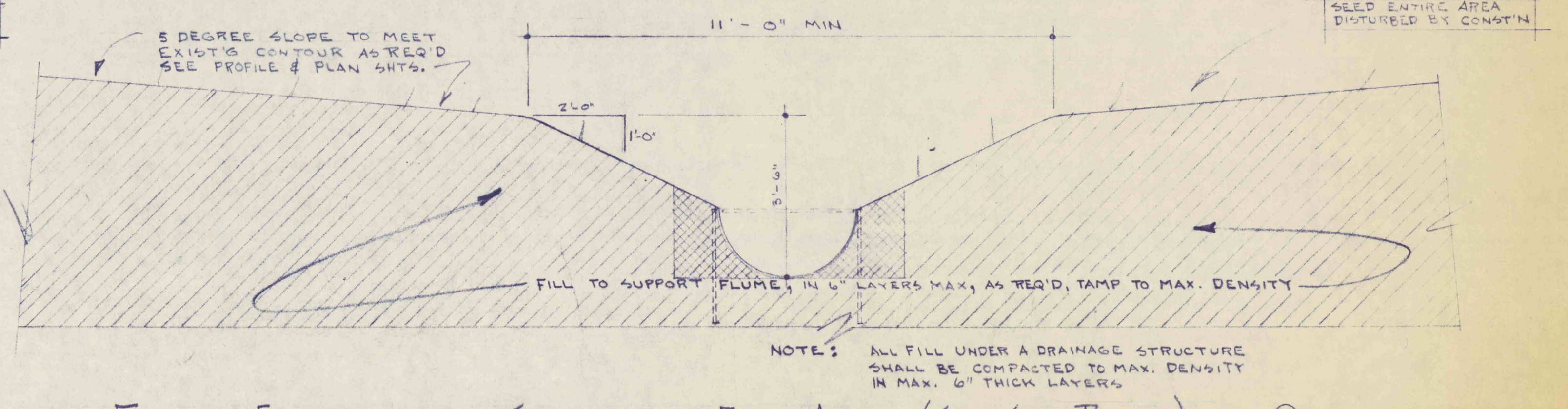
TYPICAL LINED CHANNEL SECTION - ⑧
SCALE - 1/2" = 1' - 0"



TYPICAL LINED CHANNEL SECTION - ⑨
SCALE - 1/2" = 1' - 0"



TYPICAL LINED CHANNEL SECTION (IN EXCELSIOR) - ⑩
SCALE - 1/2" = 1' - 0"



FLUME EMBANKMENT SECTION OF FILL AREAS (SEE STA. BELOW) - ⑪
SCALE - 1/2" = 1' - 0"

FROM STA. 58+50 TO 58+70 ON DITCH "A"
FROM STA. 2+15 TO 4+00 ON DITCH "B"
FROM STA. 5+30 TO 5+70 ON DITCH "B"

NO.	DATE	REVISION	APPR.

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.

DRAWN BY		DATE	DRAWING NO.
		January 2, 1974	
CHECKED BY		SCALE	12 of 14
		1/2" = 1'-0"	