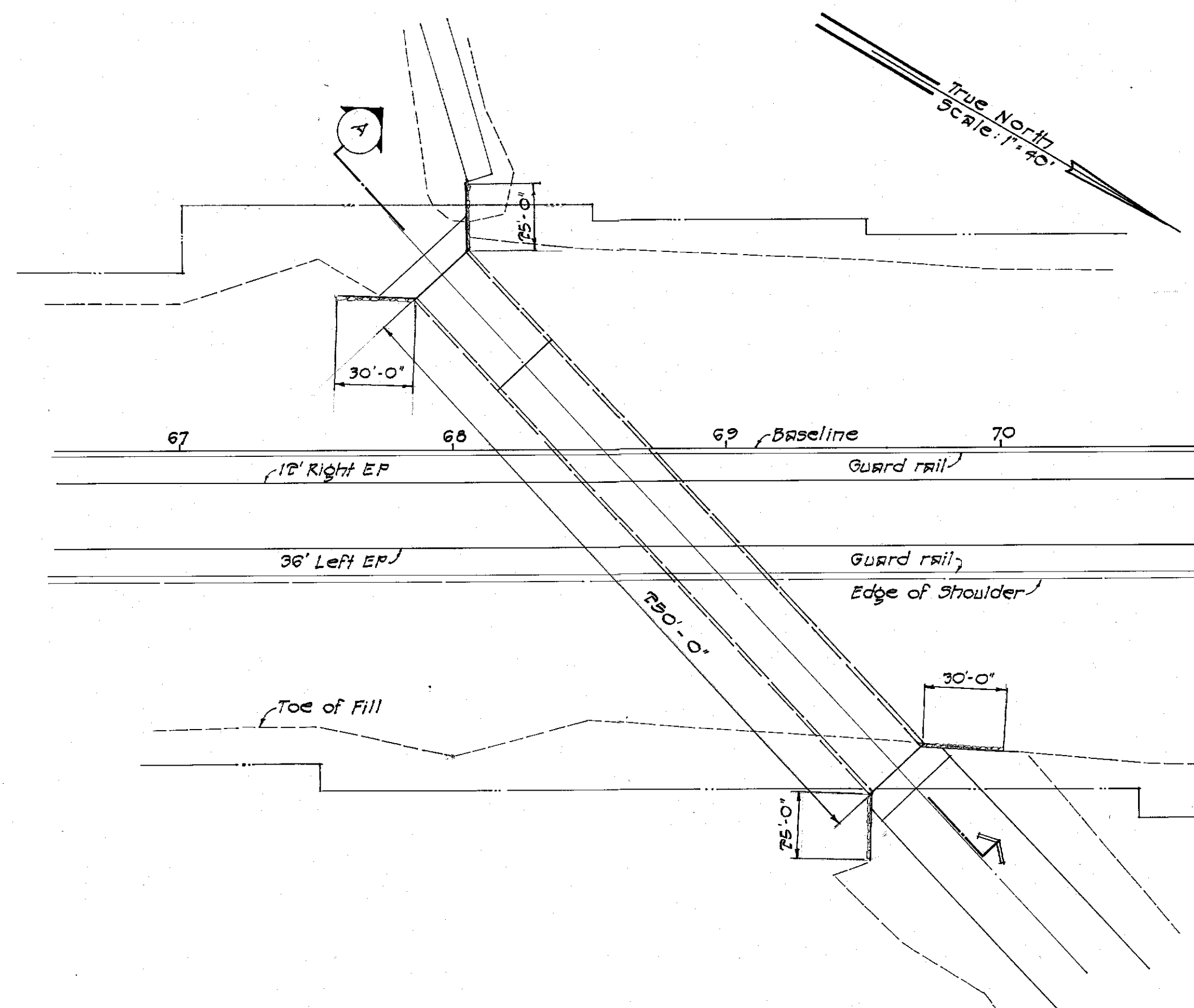
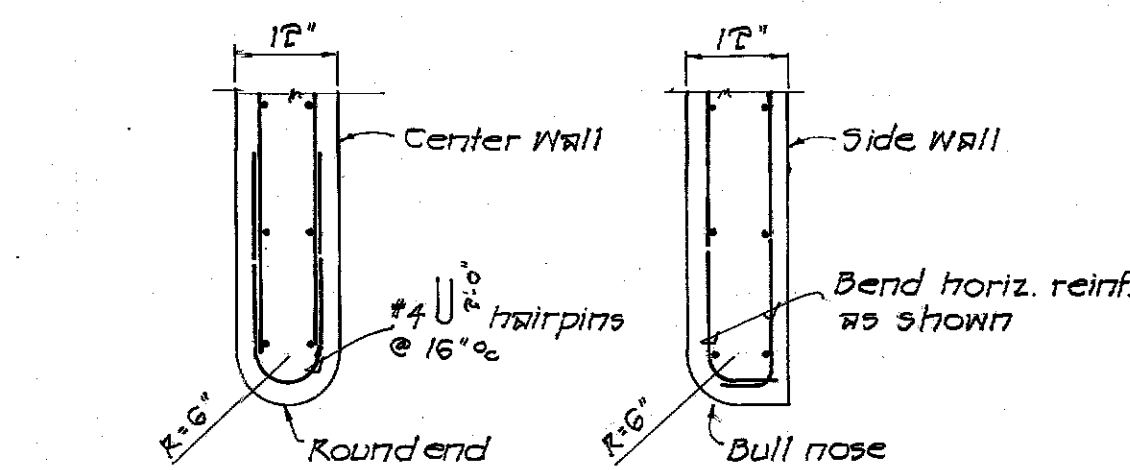
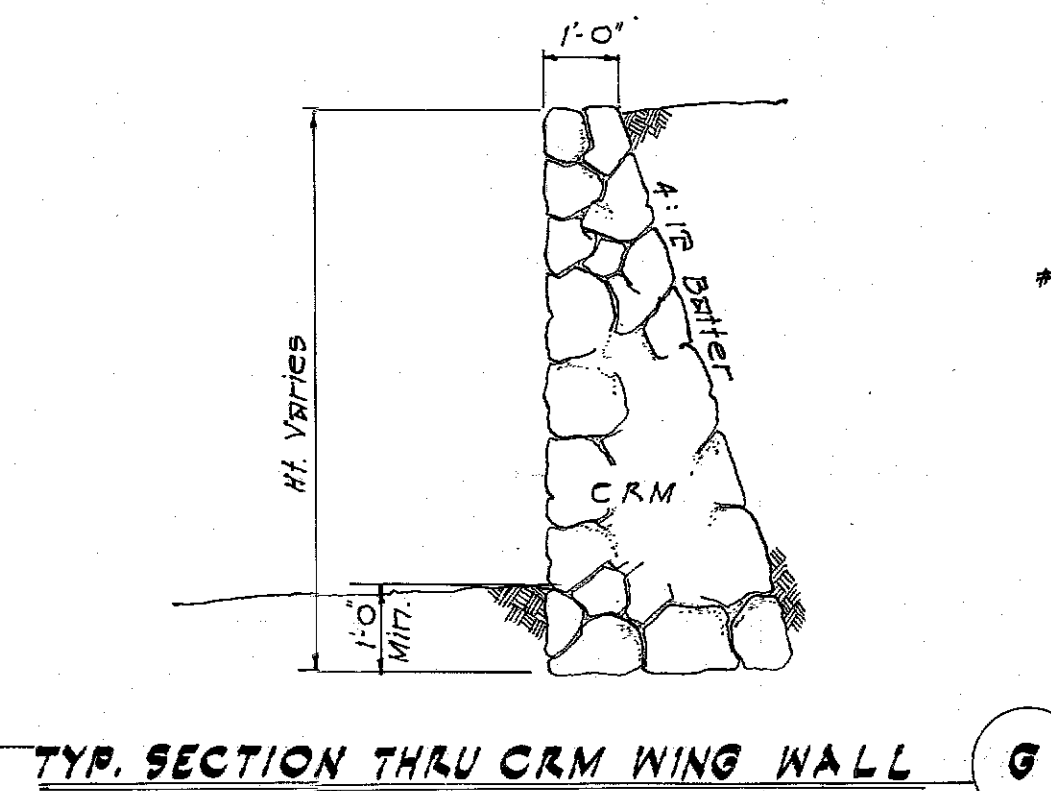




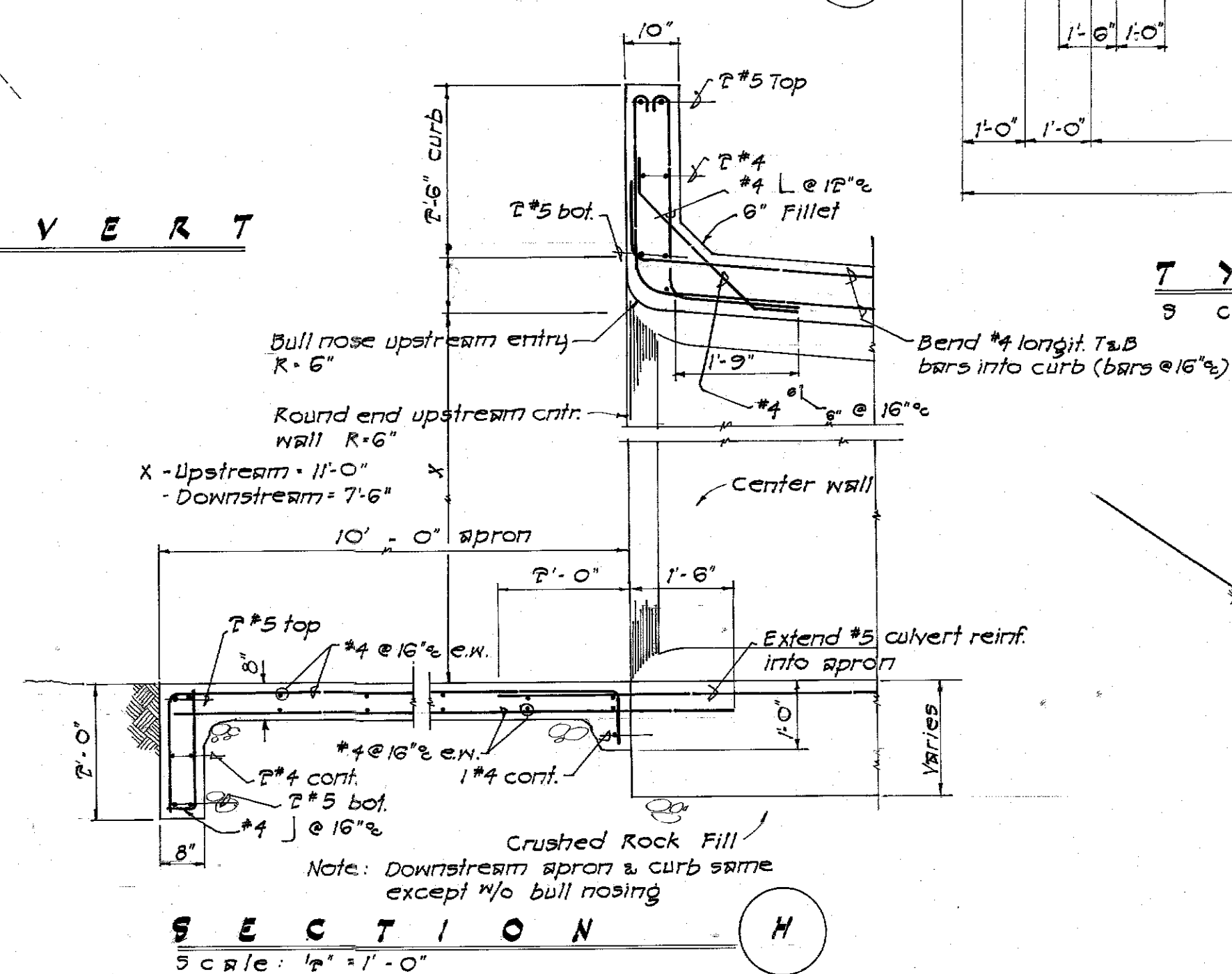
PLAN - DOUBLE 7.5' x 12' CULVERT
Scale: 1" = 40'-0"



PLAN - SECTION E PLAN - SECTION F
Scale: 1/2" = 1'-0"

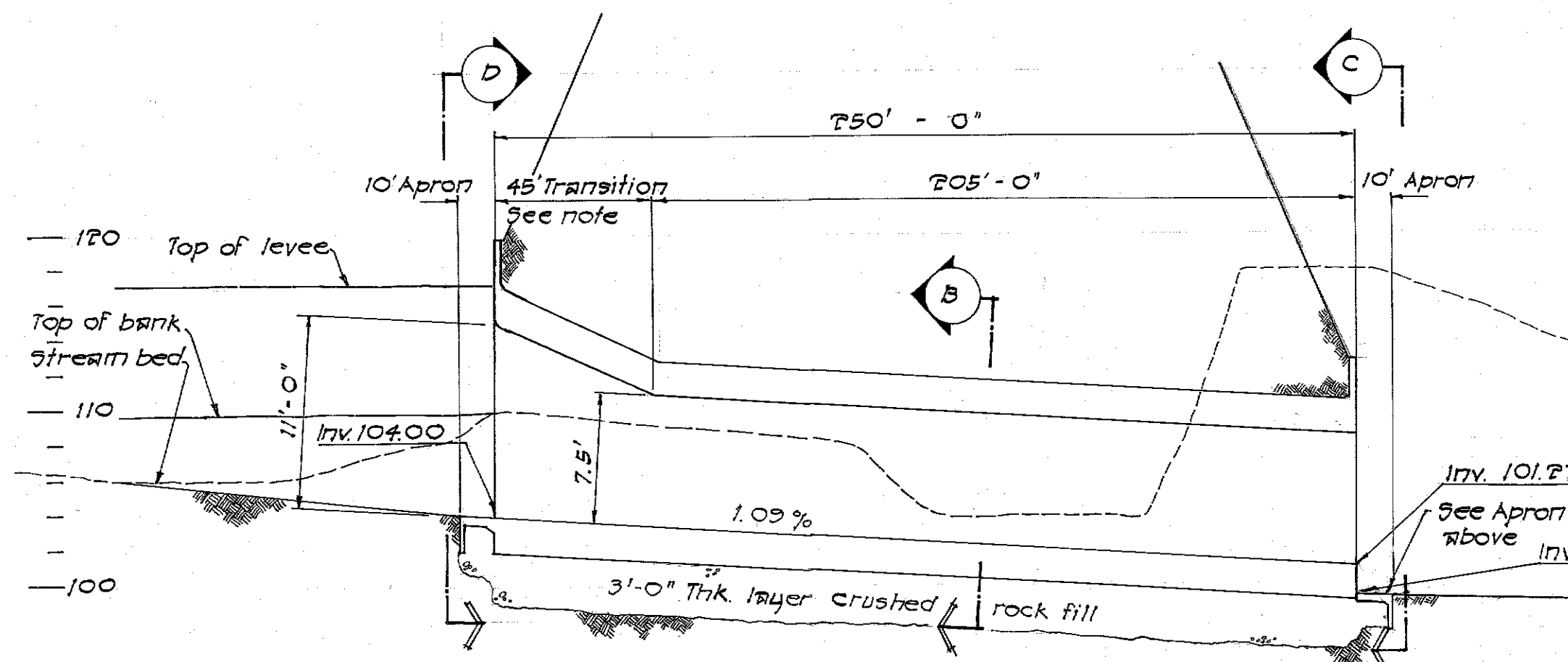


TYP. SECTION THRU CRM WING WALL

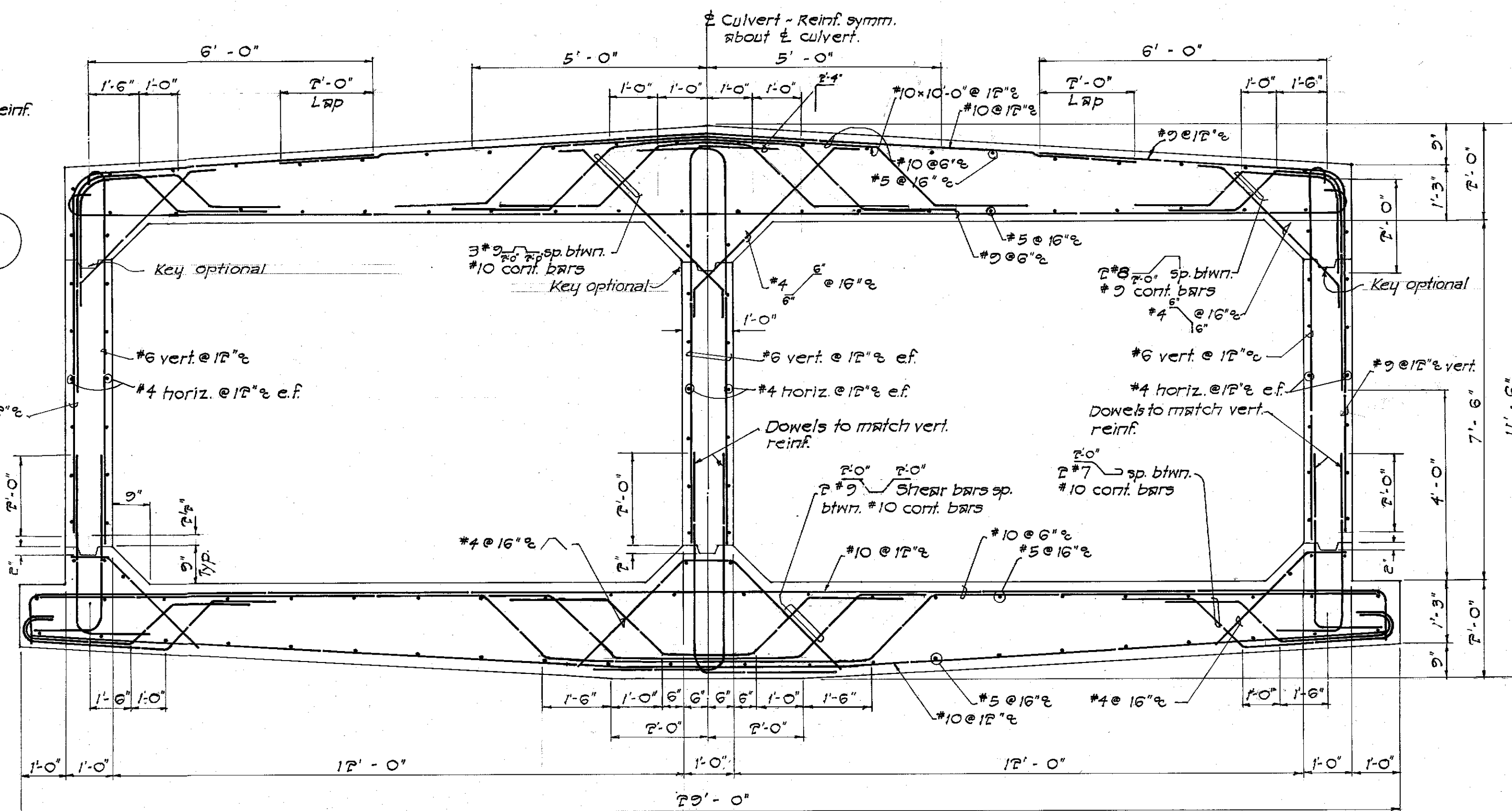


SECTION H
Scale: 1/2" = 1'-0"

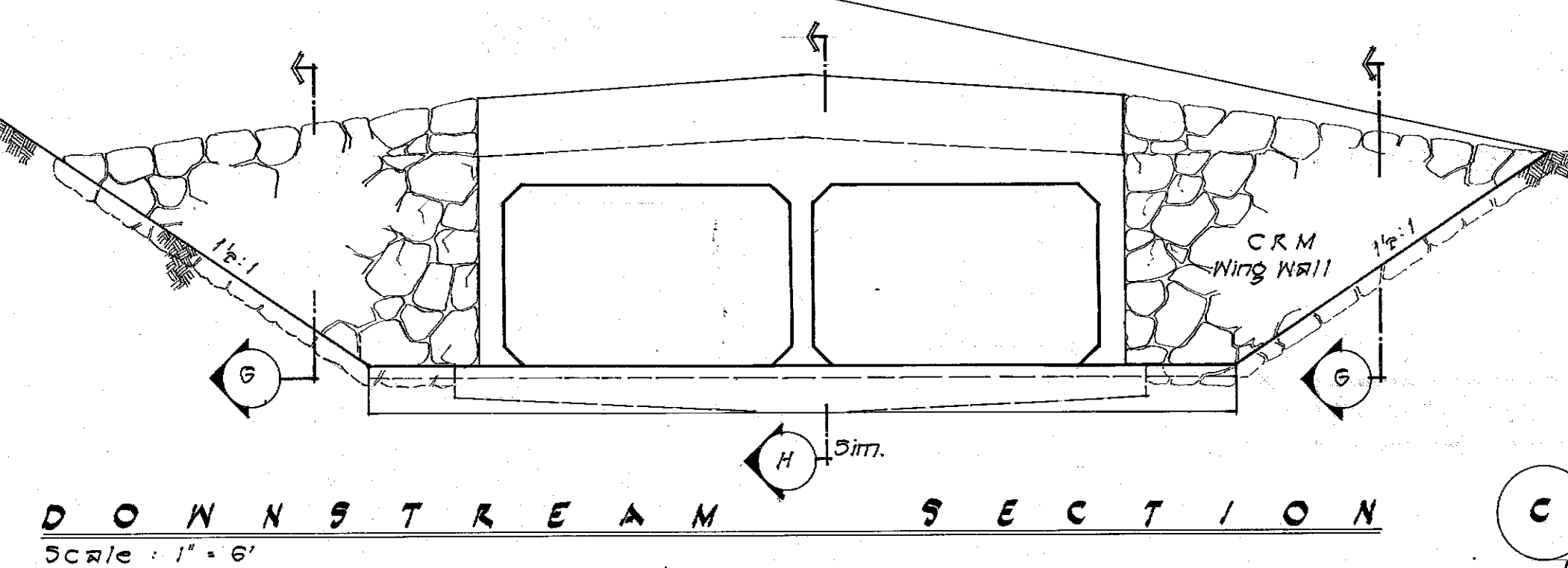
Note: Continue all reinf. as shown in normal section into 45° transition.



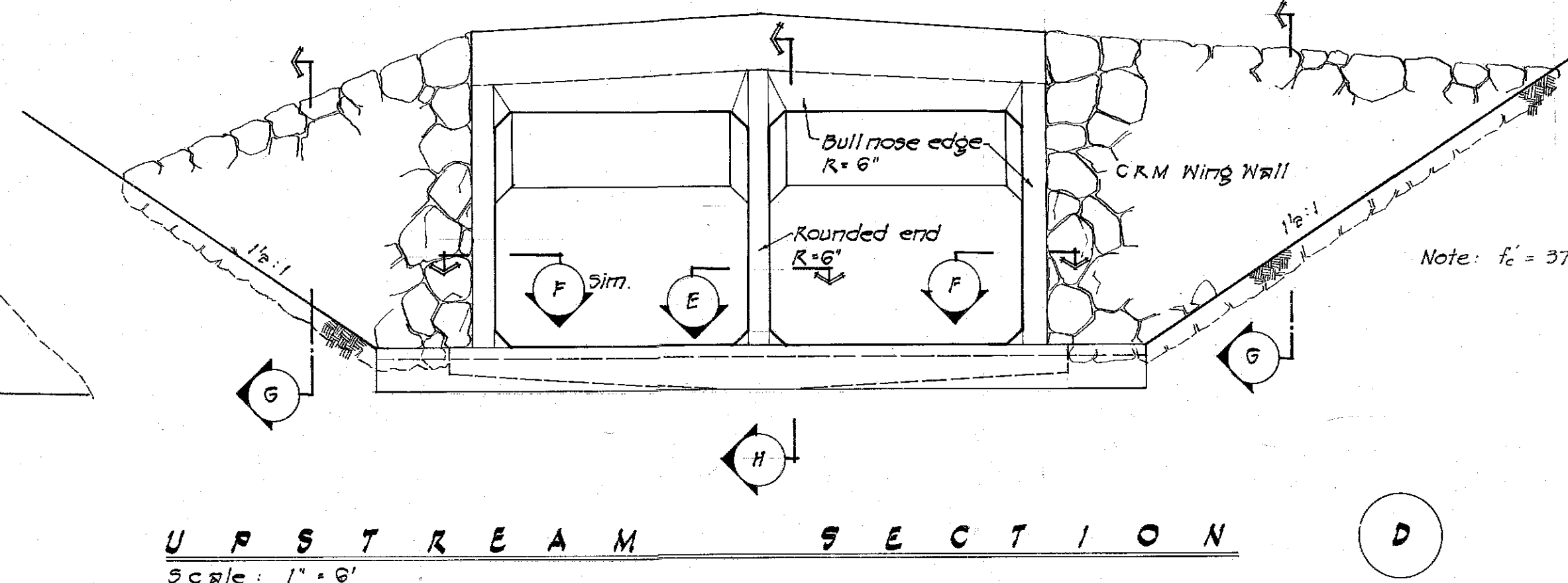
LONGITUDINAL SECTION A
Scales - Horiz. 1" = 40'-0"
Vert. 1" = 8'-0"



TYPICAL NORMAL SECTION B
Scale: 1/2" = 1'-0"



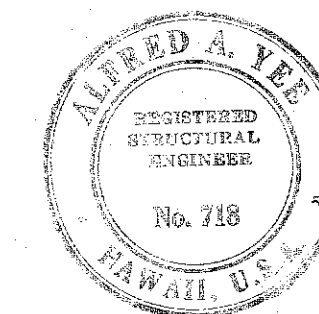
DOWNSTREAM SECTION C
Scale: 1" = 6"

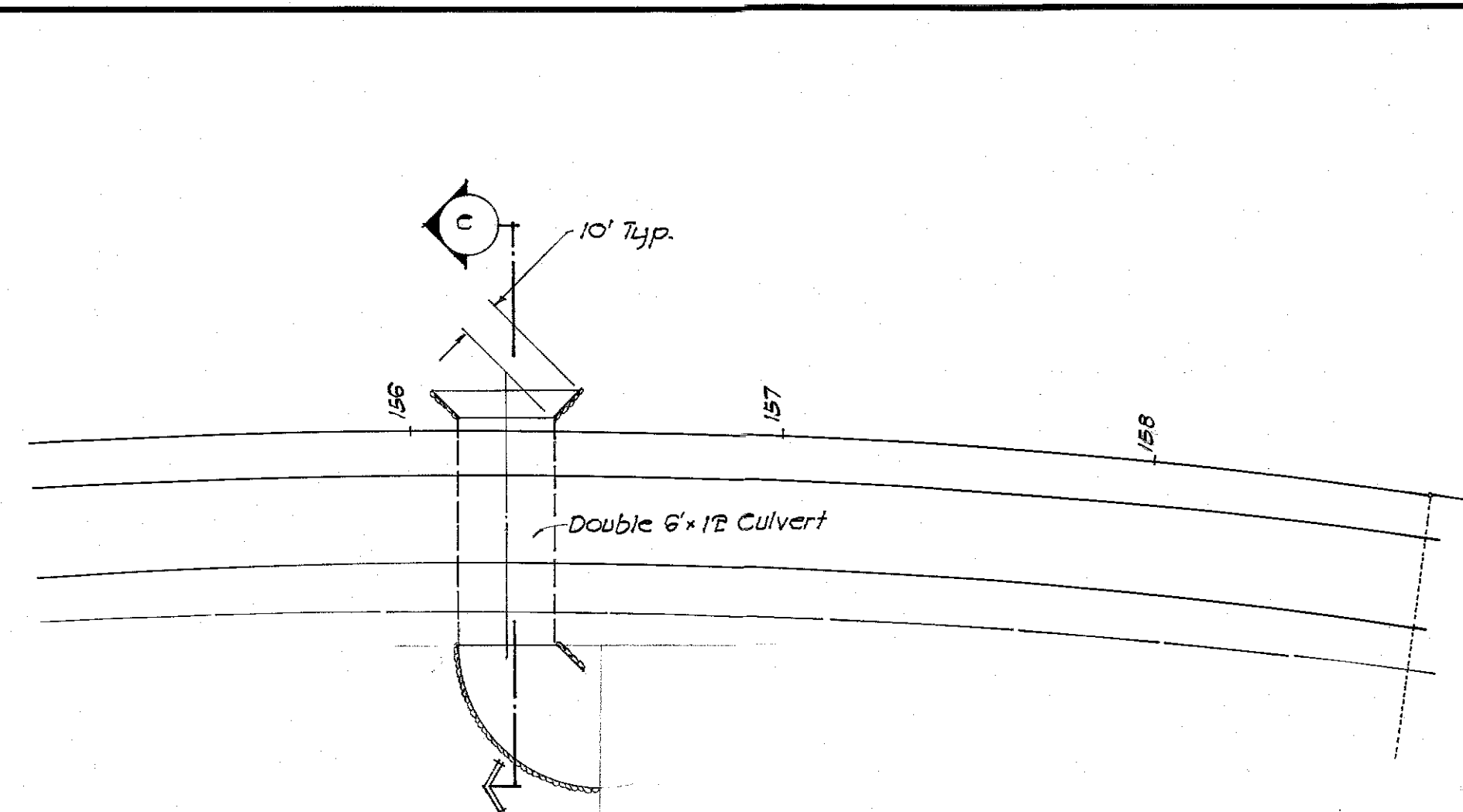


UPSTREAM SECTION D
Scale: 1" = 6"

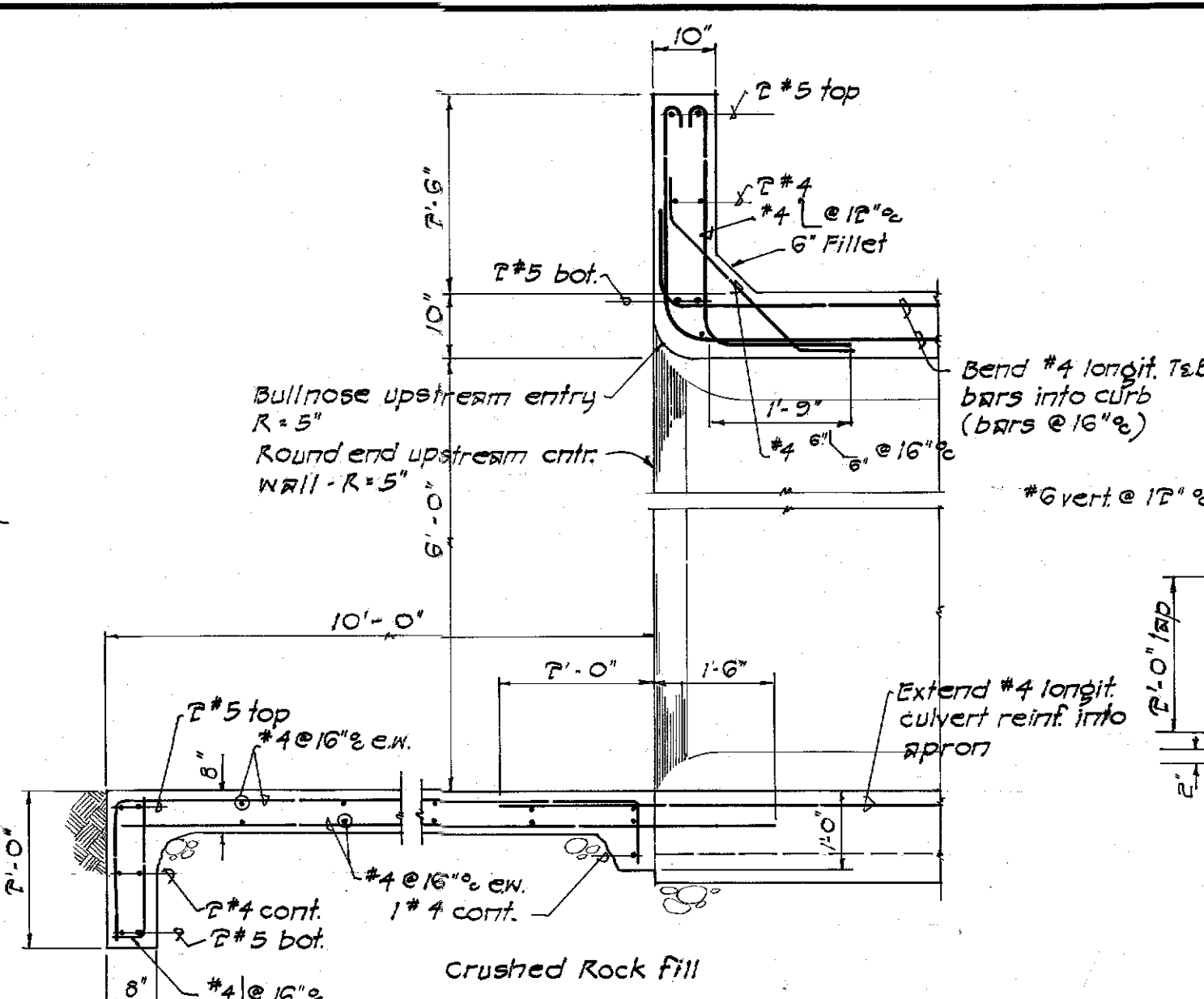
Note: $f'_c = 3750$ psi at 28 days

REVISION DATE	DESCRIPTION	MADE BY	APPROVED
COMMUNITY PLANNING INCORPORATED CIVIL ENGINEERS - SURVEYORS - CONSULTANT PLANNERS			
DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF HONOLULU DIVISION OF ENGINEERING IMPROVEMENT DISTRICT NO. 16 KAHALU CUTOFF ROAD KANEHOE, HEEIA, AHUIMANI & KAHALU, KOOLAUPOKO, OAHU HEEIA STREAM DOUBLE 7.5' x 12' REINF. CONCRETE BOX CULVERT - STA. 68+55			
ENGINEER	K.L.	DATE FINAL REPORT	6-27-63
DRAFTSMAN	L.O.	CHECKED BY	A.A.Y.
SCALE		TRACER	L.O.
APPROVED		APPROVED	9-22-63
CHIEF ENGINEER	Alfred A. Yee	CHIEF ENGINEER	Alfred A. Yee
W.S.	PROFILE	C.S.	
C.R.	F.D.	S.B.	
N.M.	R.W.	S.B.	
APPROVED			

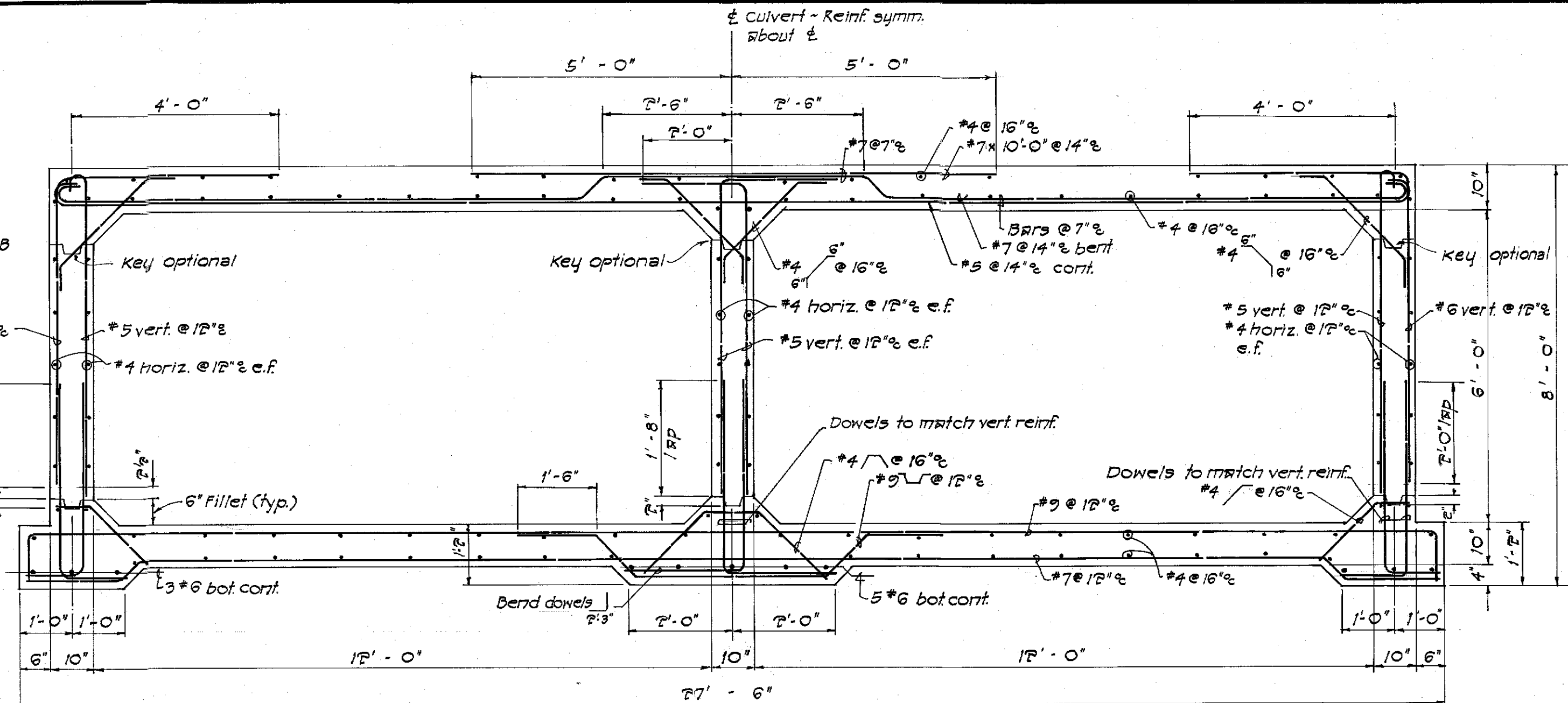




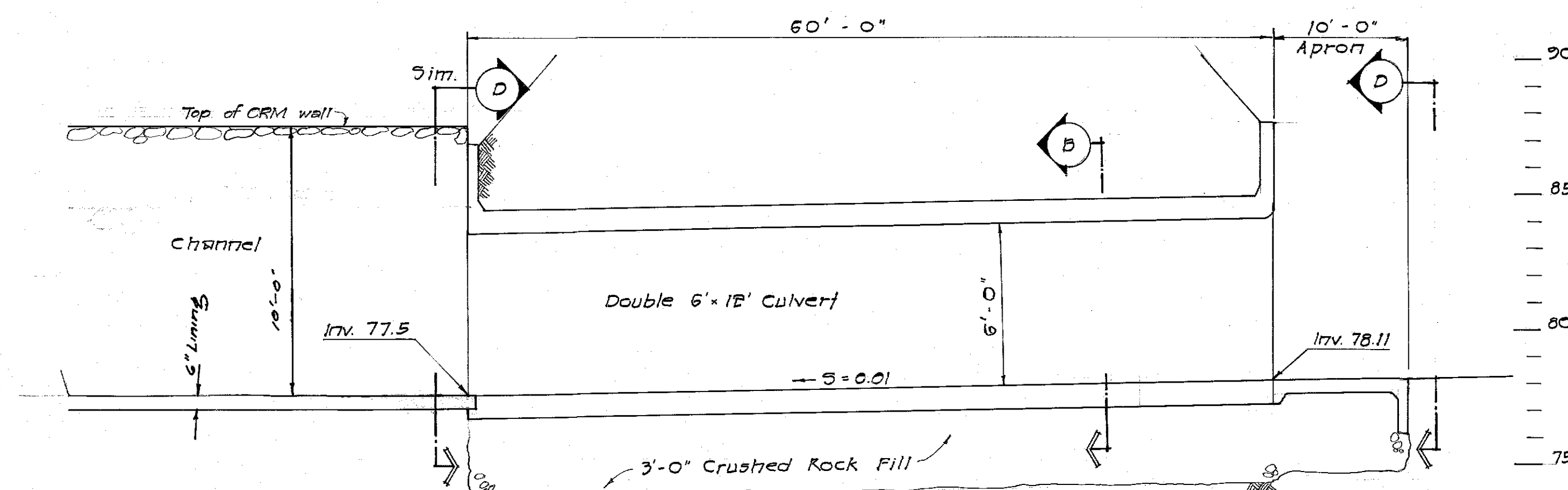
DOUBLE 6' x 12' CULVERT
Scale: 1" = 40'



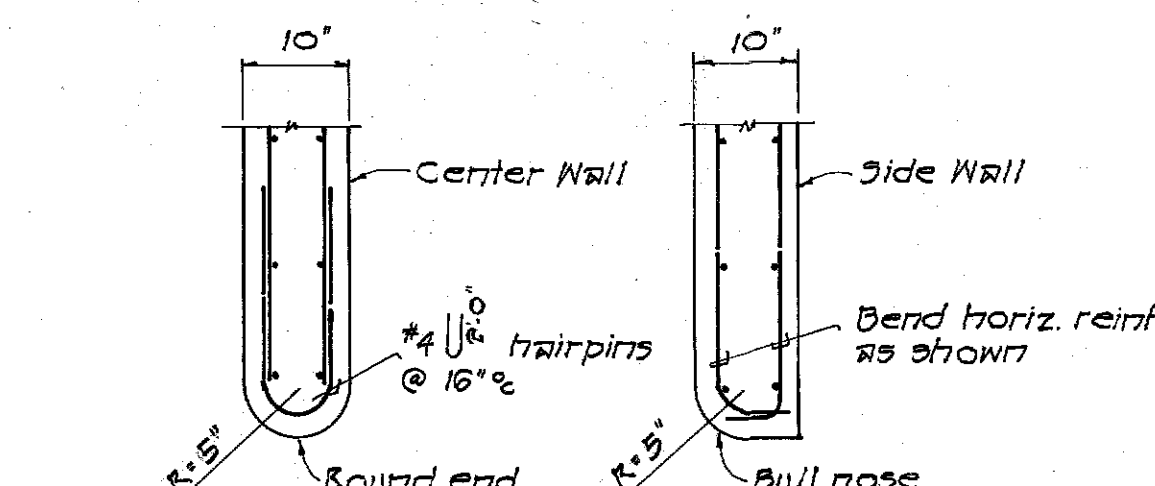
UPSTREAM APRON
Scale: 1/8" = 1'-0"



TYPICAL SECTION
Scale: 1/2" = 1'-0"

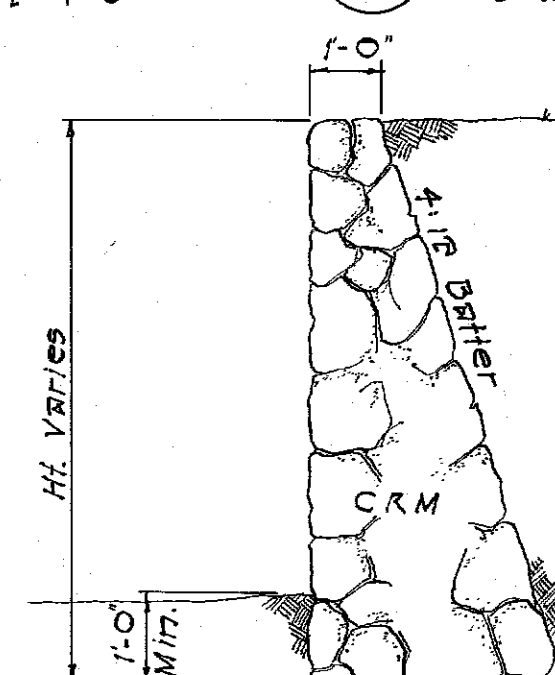


LONGIT. SECTION
Scale: Horiz. 1" = 8', Vert. 1" = 4'

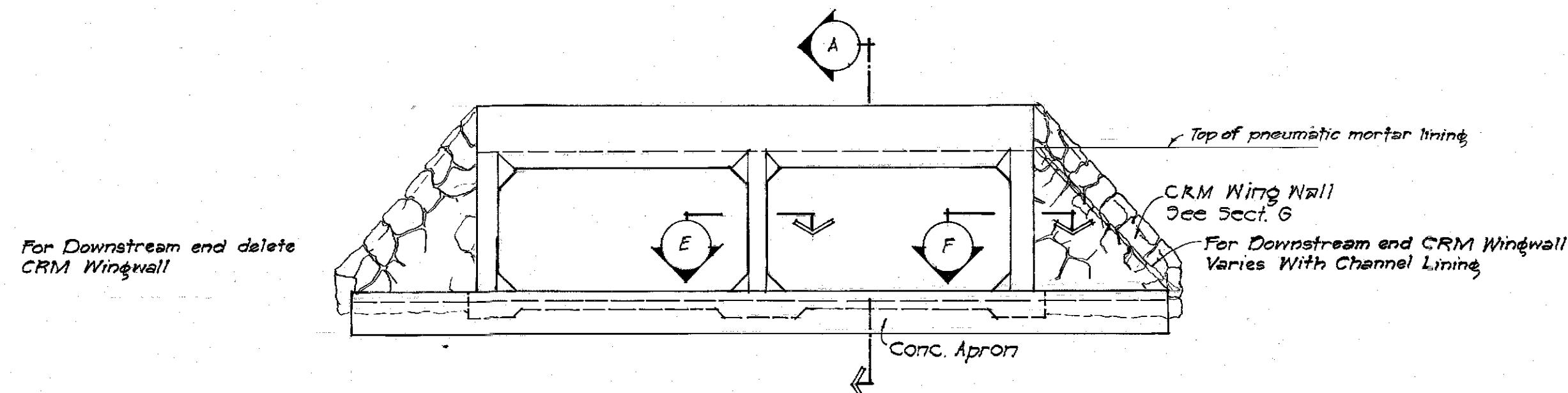


PLAN-SECTION E
Scale: 1/2" = 1'-0"

PLAN-SECTION F
Scale: 1/2" = 1'-0"



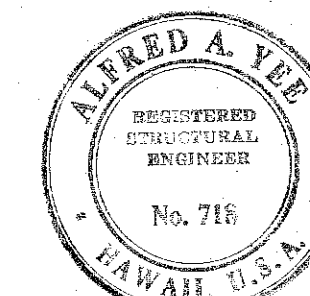
TYP. SECTION THRU CRM WING WALL
Scale: 1/2" = 1'-0"



SECTION D
Scale: 1" = 6'

Note: Section shown for Upstream end. Downstream end same except No conc. apron.

Note: $f'_c = 3750$ psi at 28 days



JOB NO. 12-63			
REVISION DATE	DESCRIPTION	MADE BY	APPROVED
COMMUNITY PLANNING INCORPORATED			
CIVIL ENGINEERS - SURVEYORS - CONSULTANT PLANNERS			
DEPARTMENT OF PUBLIC WORKS			
CITY AND COUNTY OF HONOLULU			
DIVISION OF ENGINEERING			
IMPROVEMENT DISTRICT NO. 162			
KAHALU CUTOFF ROAD			
KANEHE, HEHEA, AHUIMANU & KAHALU, KOOLAPOKO, OAHU			
AHUIMANU DOUBLE 6' x 12' REINF. CONCRETE			
BOX CULVERT - STA. 156 + 25.58			
ENGINEER	K.L.	DATE FINAL REPORT	6-27-62
DRAFTSMAN	L.O.	DATE	6-1-62
SCALE	AS SHOWN	CHECKED BY	A.A.Y.
APPROVED		TRACER	L.O.
CHIEF ENGINEER	Alfred A. Yee	APPROVED	9/26/62
CHIEF ENGINEER	Alfred A. Yee	CHIEF ENGINEER	Alfred A. Yee
W.S.	PROFILE	C.S.	
CR. SEC.	P.B.	S.B.	
W.M. BY:	P.W. BY:	S. BY:	
APPROVED			
No. 718			
HAWAII, U.S.A.			
FILE	POCKET	FOLDER	NO.
12	9	3	51