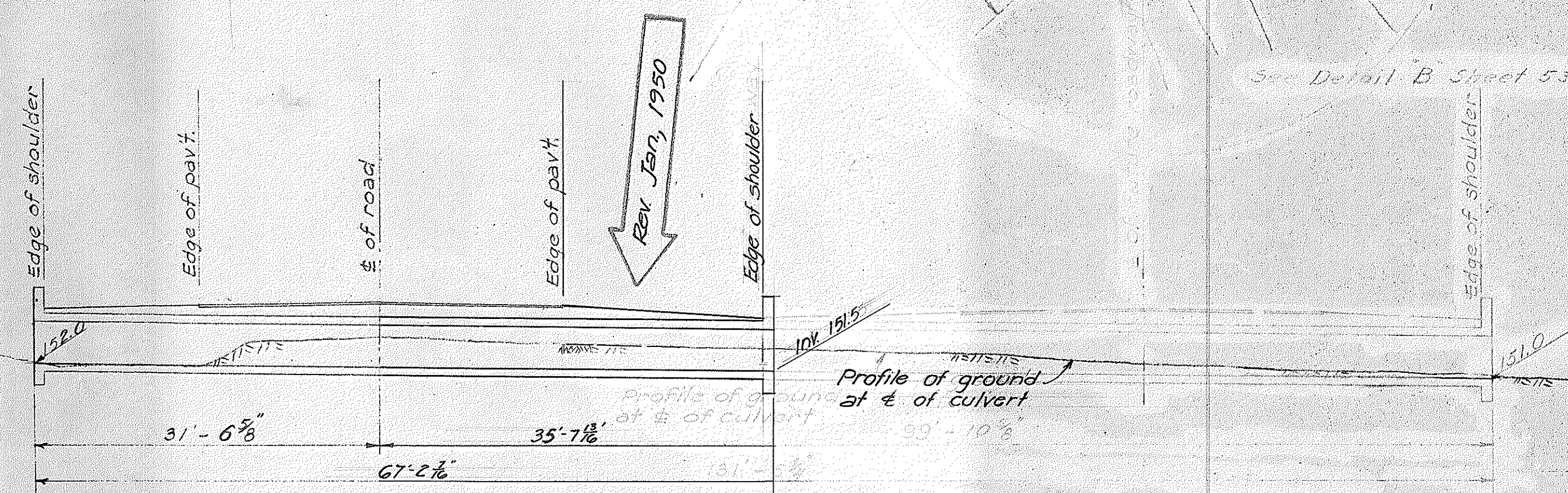
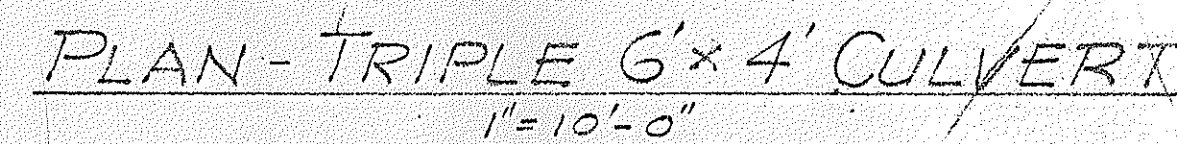
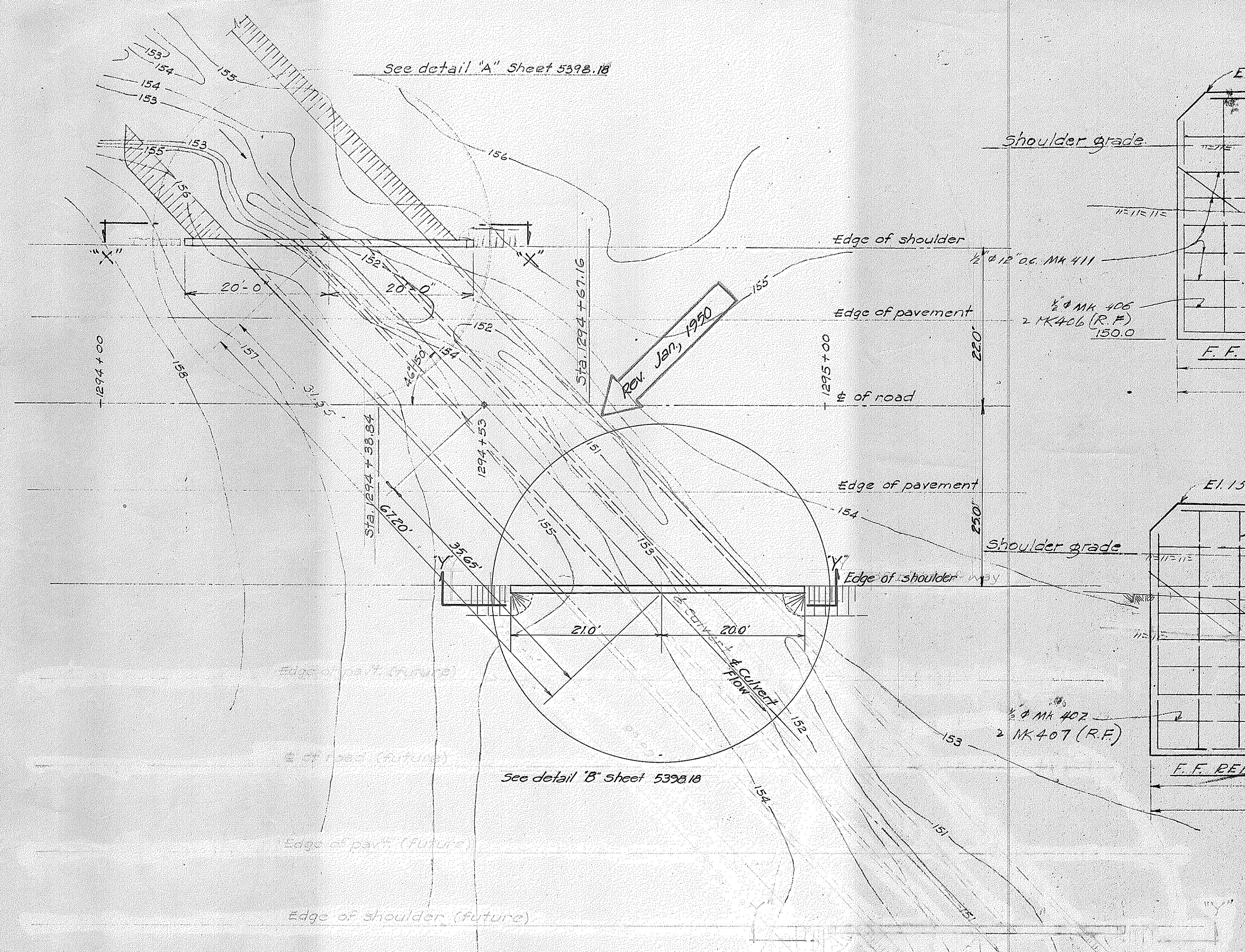
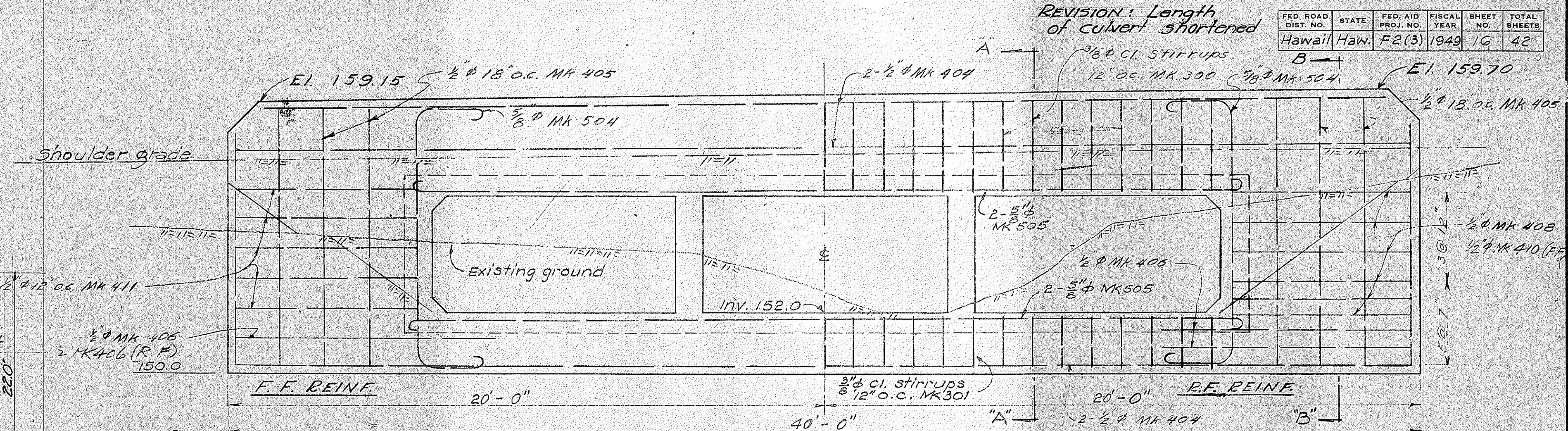


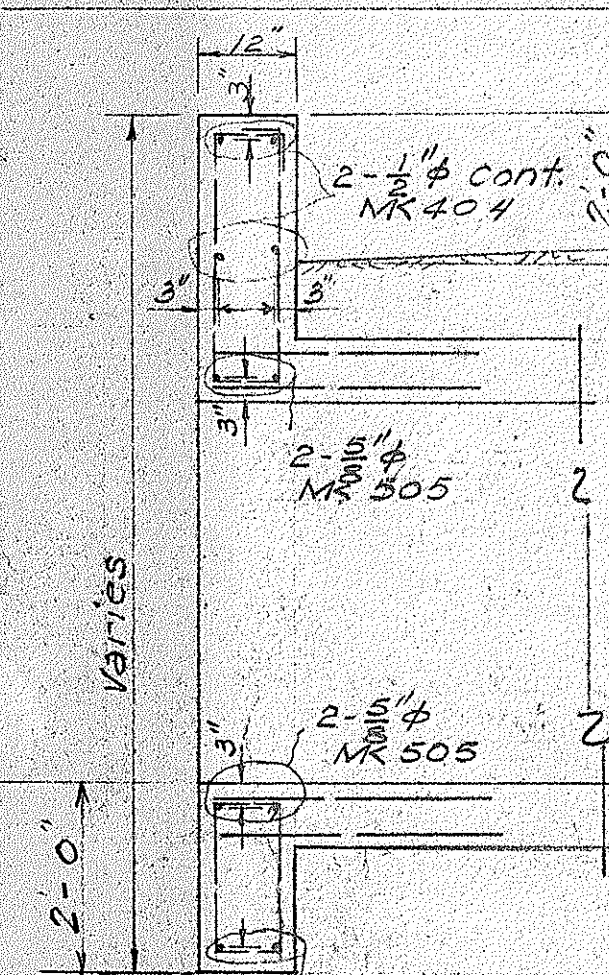
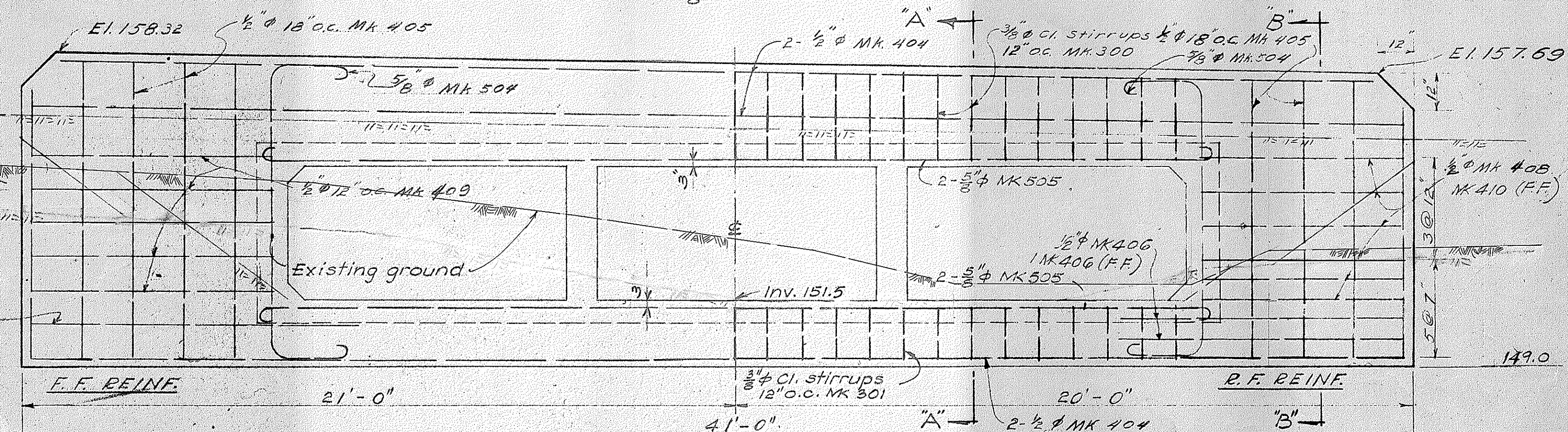
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Haw.	F2(3)	1949	16	42



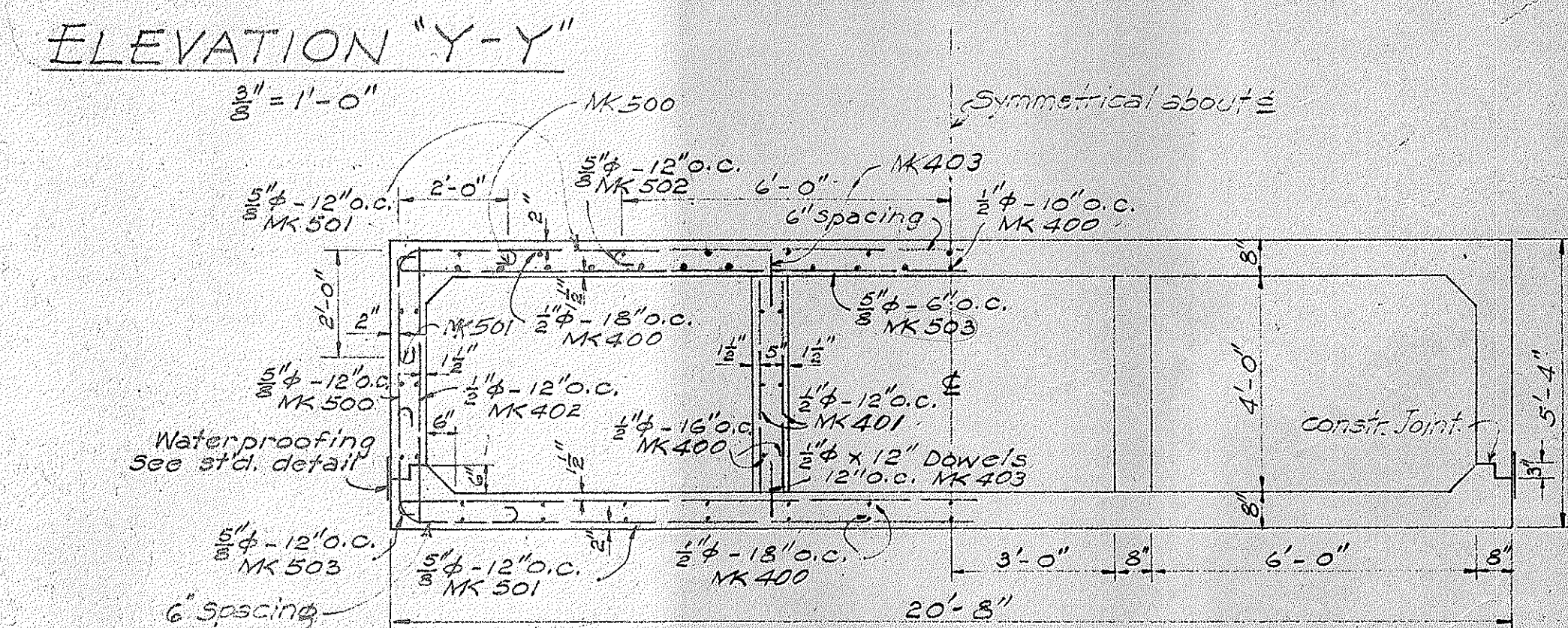
SECTION ALONG Φ OF CULVERT
1" = 10'-0"



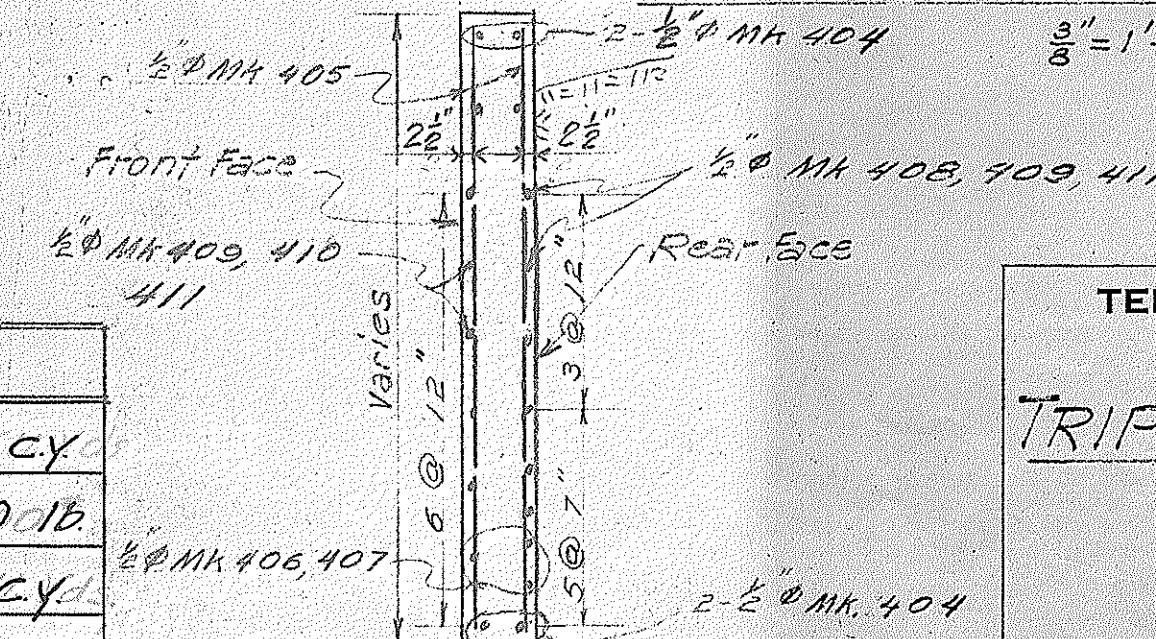
ELEVATION "X-X"
3" = 1'-0"



SECTION "A-A"
 $\frac{1}{2}" = 1' - 0"$



TYPICAL CULVERT SECTION



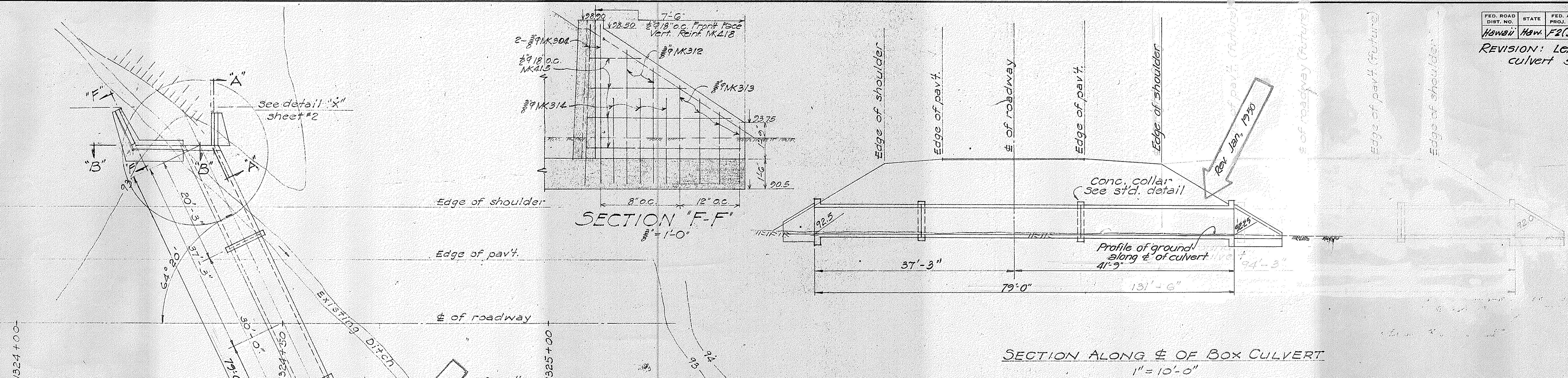
SECTION "B-B"
3" = 1'-0"

ESTIMATED QUANTITIES	
Class "A-1" Conc.	963 cy
Reinf. steel (Interm. Grade)	15,580 lb.
Struct. Exc.	165 cy
Channel Exc.	70 cy

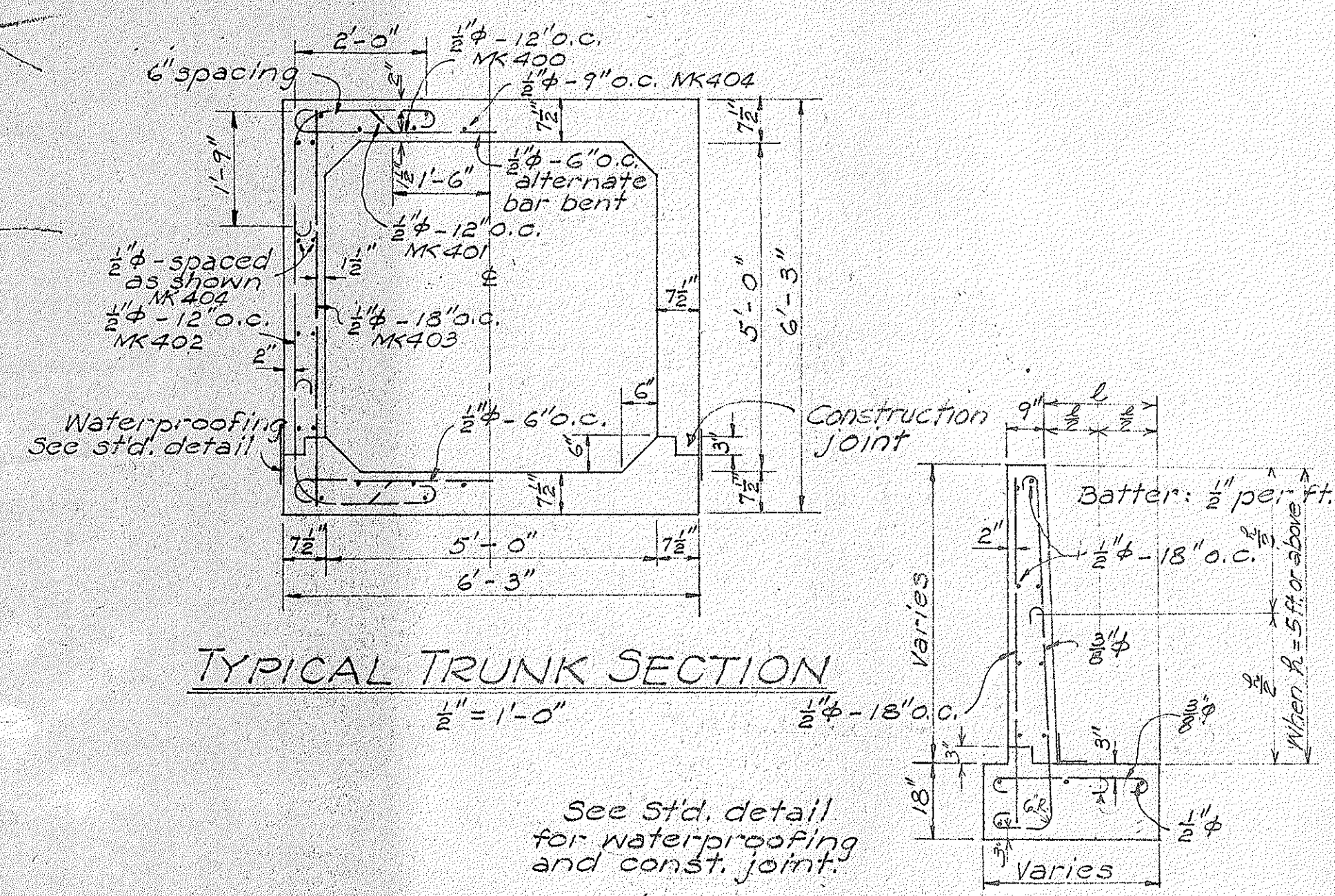
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
TRIPLE 6'x4' BOX CULVERT
Sta. 1294 + 53
VOLCANO ROAD
May 23, 1949 F2 (3)

ORIGINAL PLAN	SURVEY PLOTTED BY N.R. Bartsels	DATE 5-29-69
	DRAWN BY H.H. Ches. A. Van Der Werf	
	TRACED BY A.V.D.M.	
NOTE BOOK NO.	QUANTITIES CHECKED BY T. Ushigata	
	CHECKED BY Y. Yamashita	

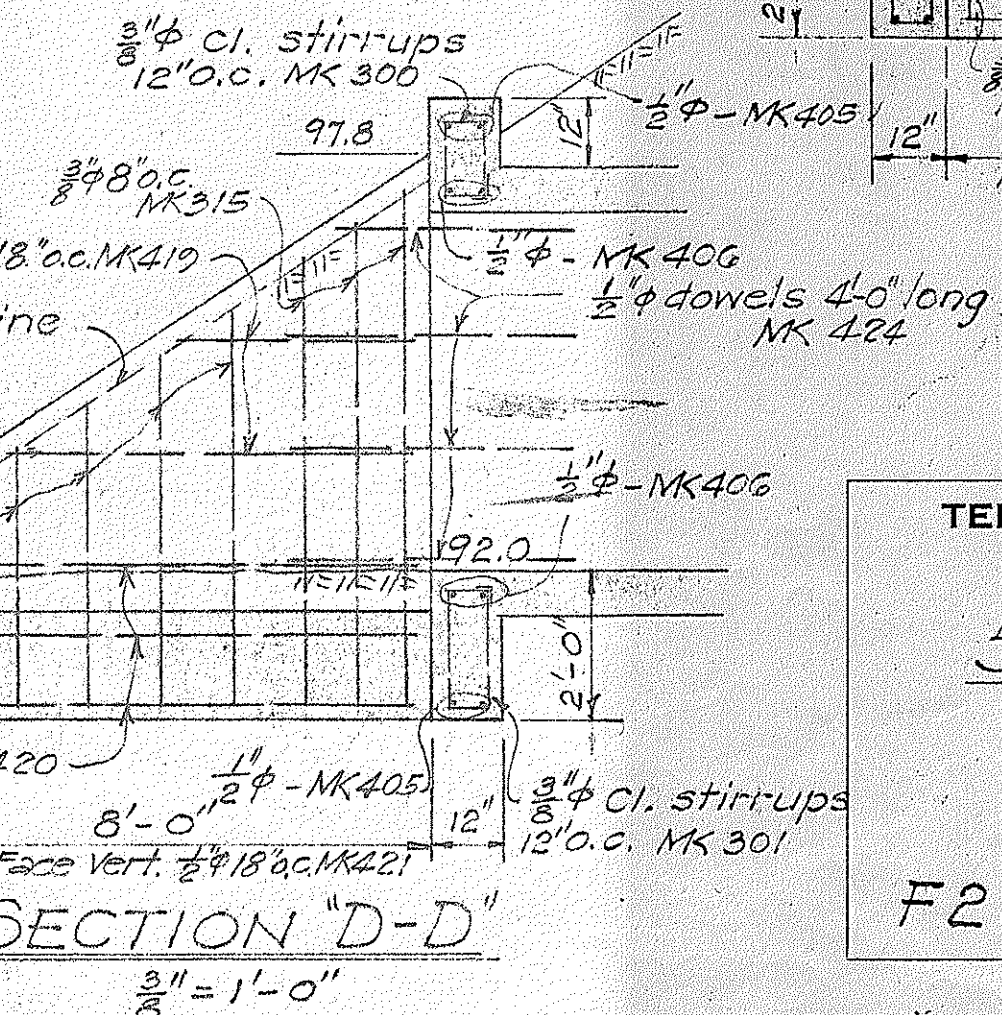
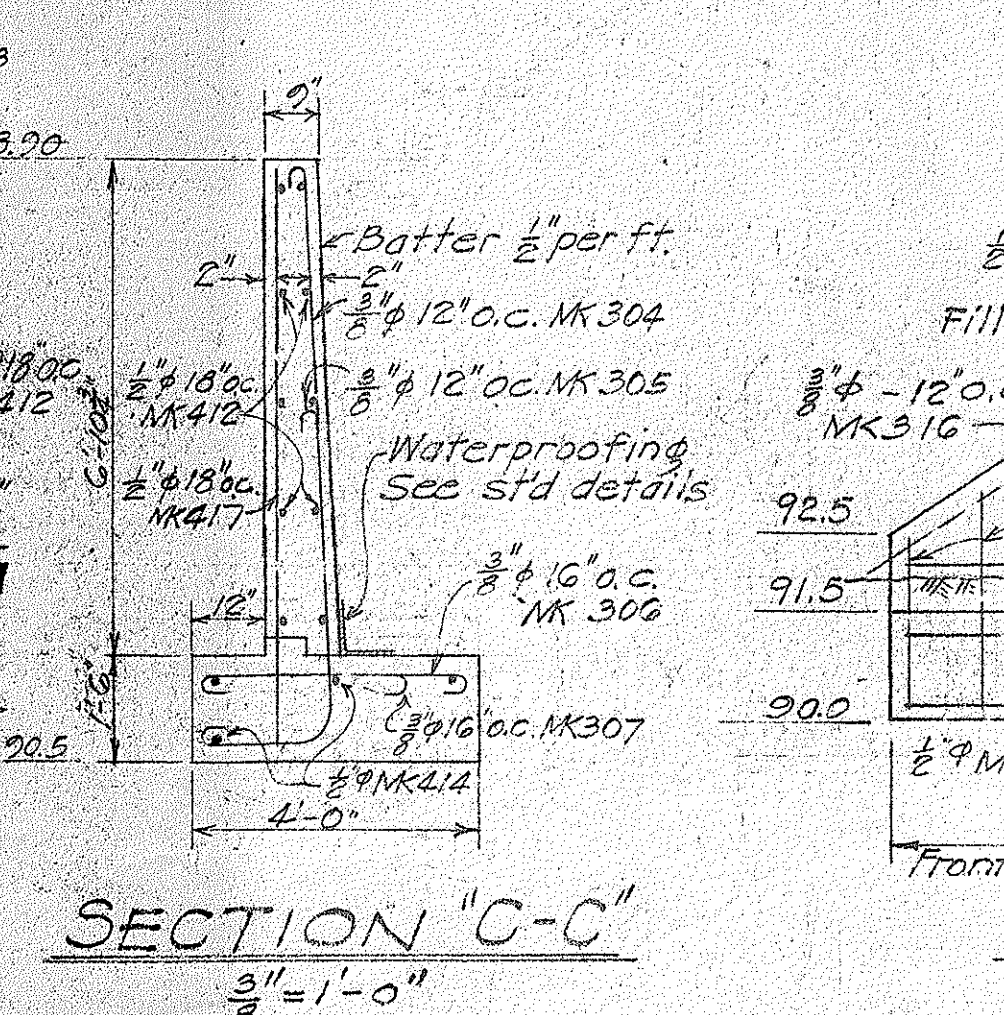
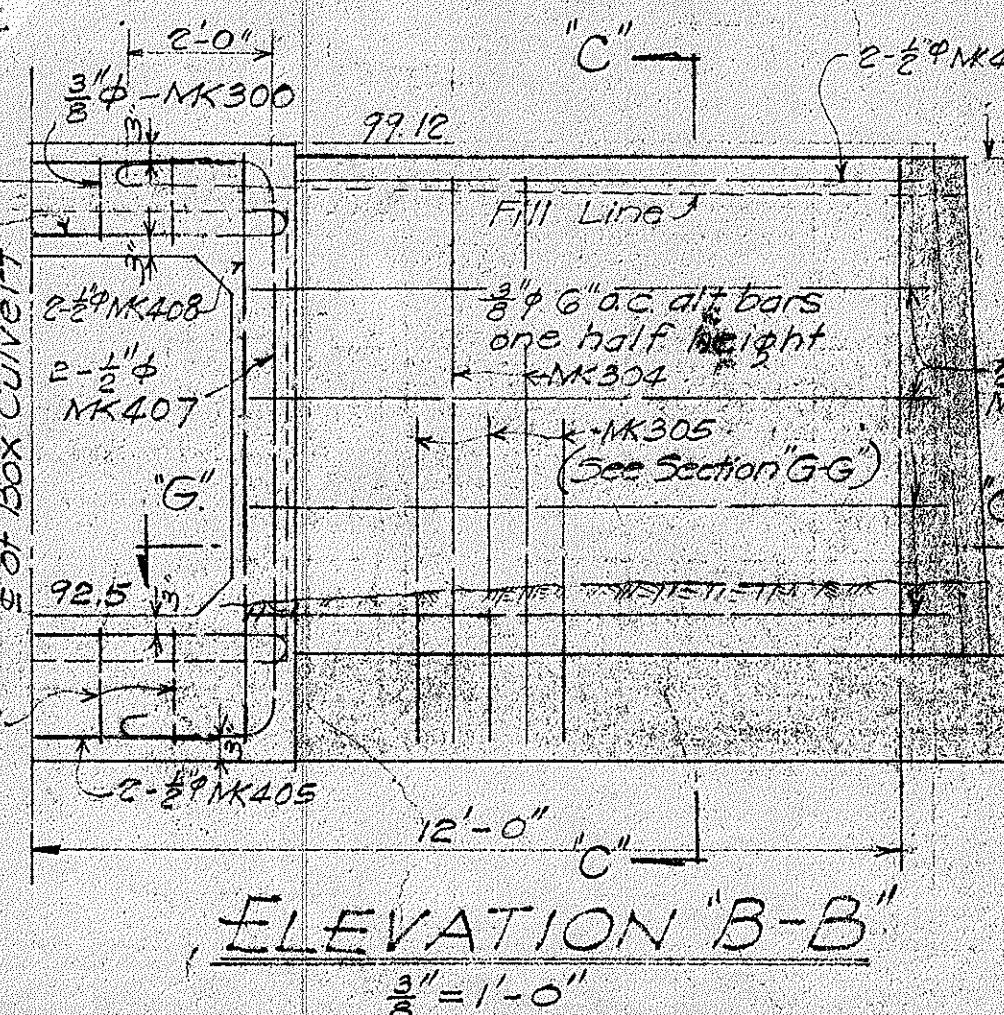
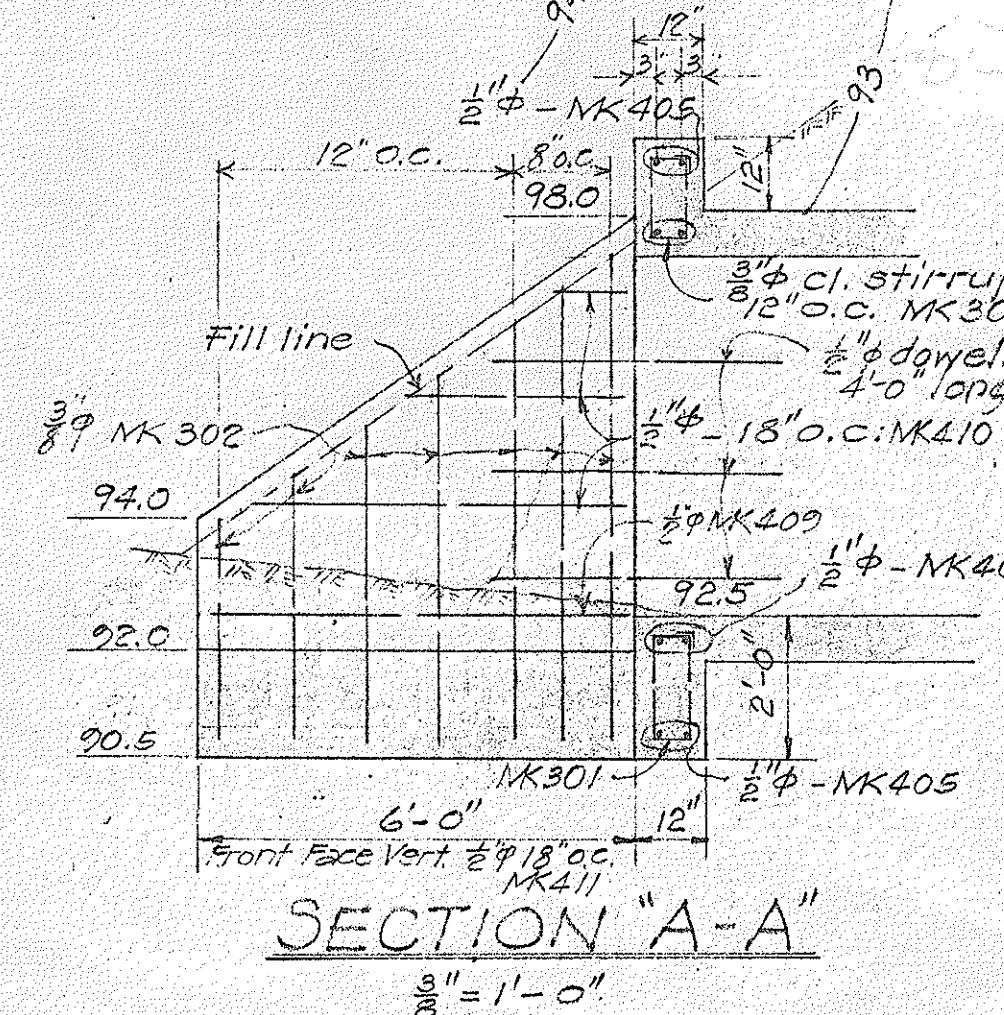
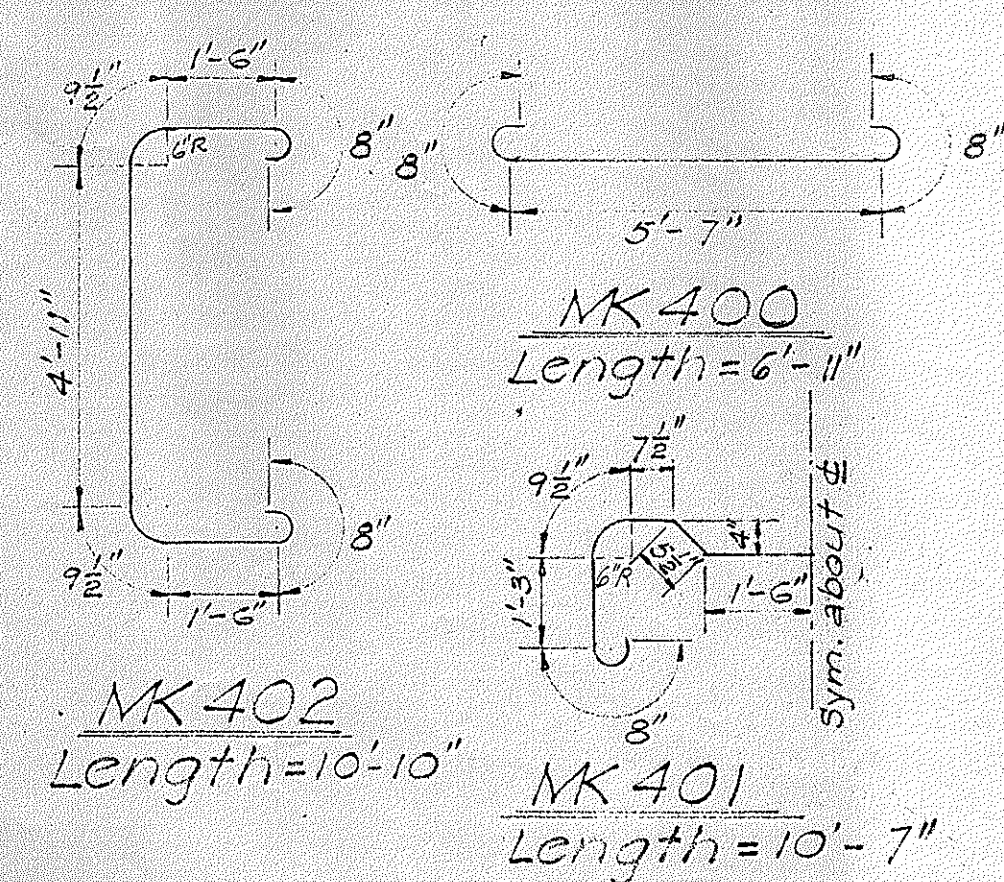
REVISION: Length of culvert shortened



ESTIMATED QUANTITIES	
Class "A-1" Conc.	58.3 cu. yd.
Reinf. Steel	6327 lb.
Struc. Exc.	40 cu. yd.



LAYOUT PLAN
1"=10'-0"



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
5'x5' BOX CULVERT
Sta. 1324+50
VOLCANO ROAD
F2(3)
June 16, 1949
SHEET No. 1 OF 2 SHEETS

