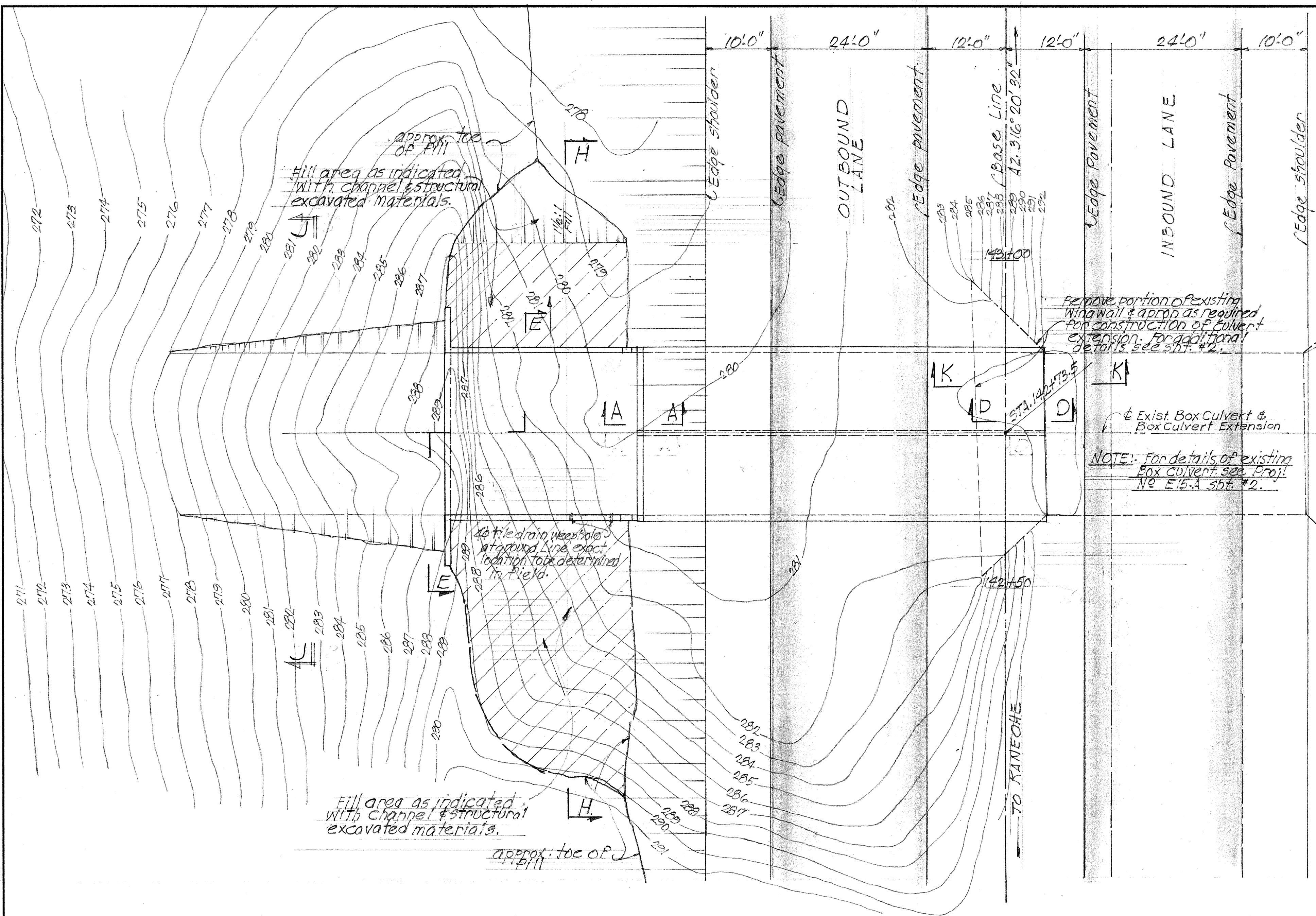
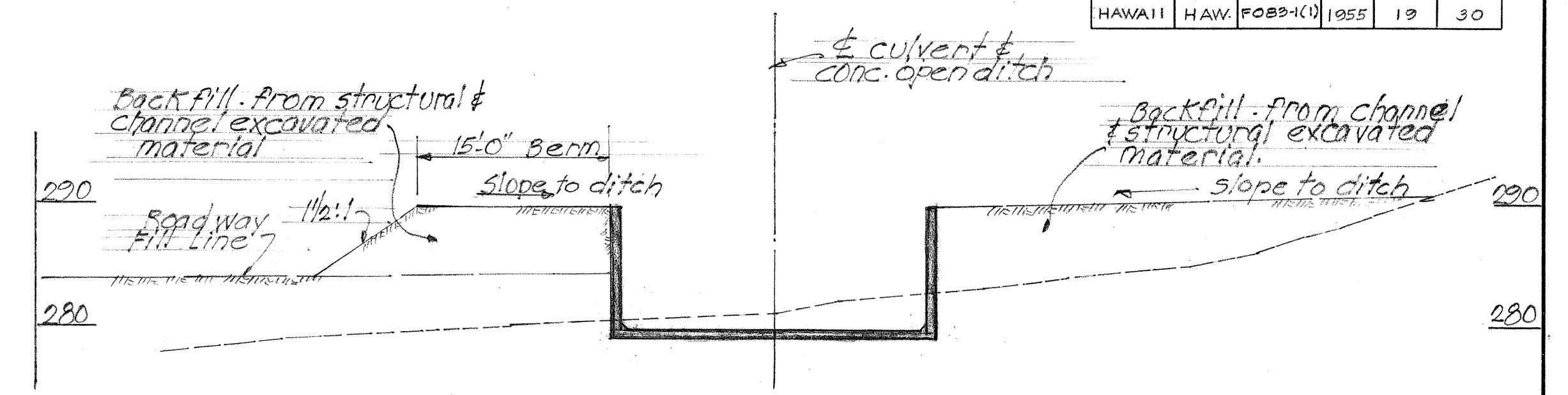


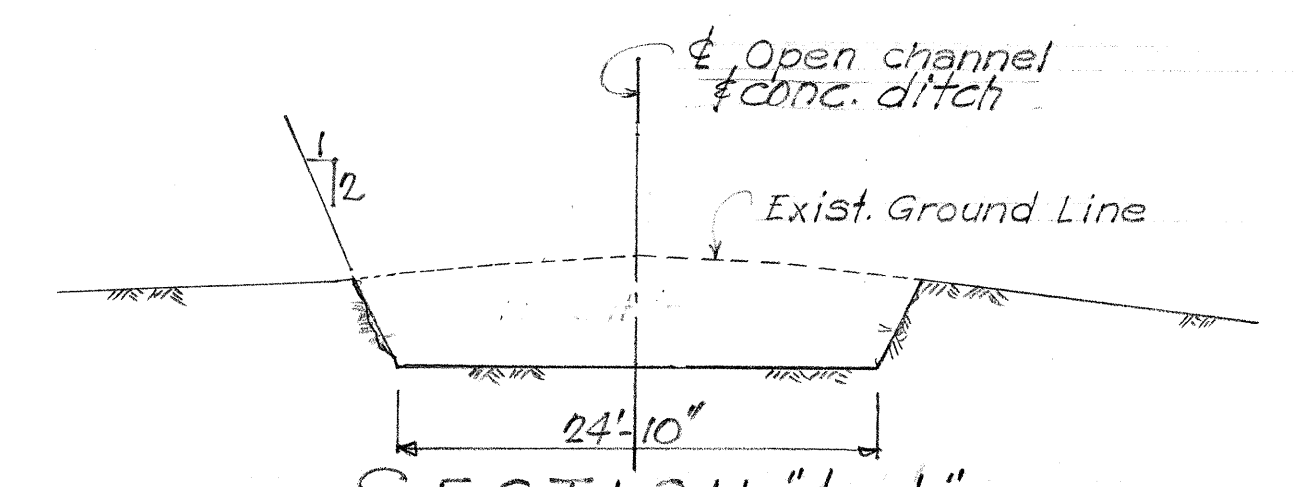
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FOB31(1)	1955	19	30



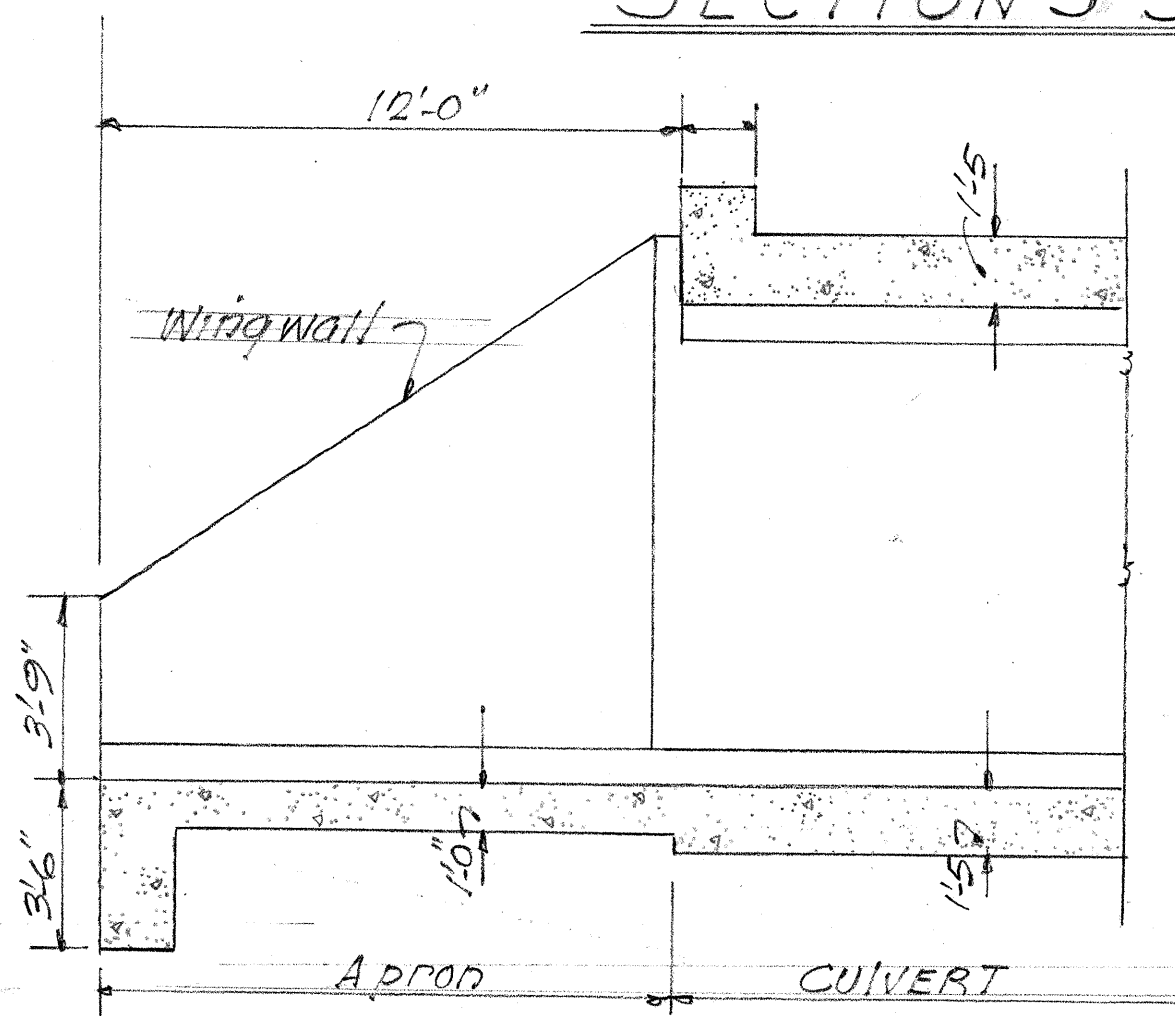
LAYOUT PLAN SCALE: 1" = 10'-0"



SECTION "H-H" SCALE: 1" = 10'-0"



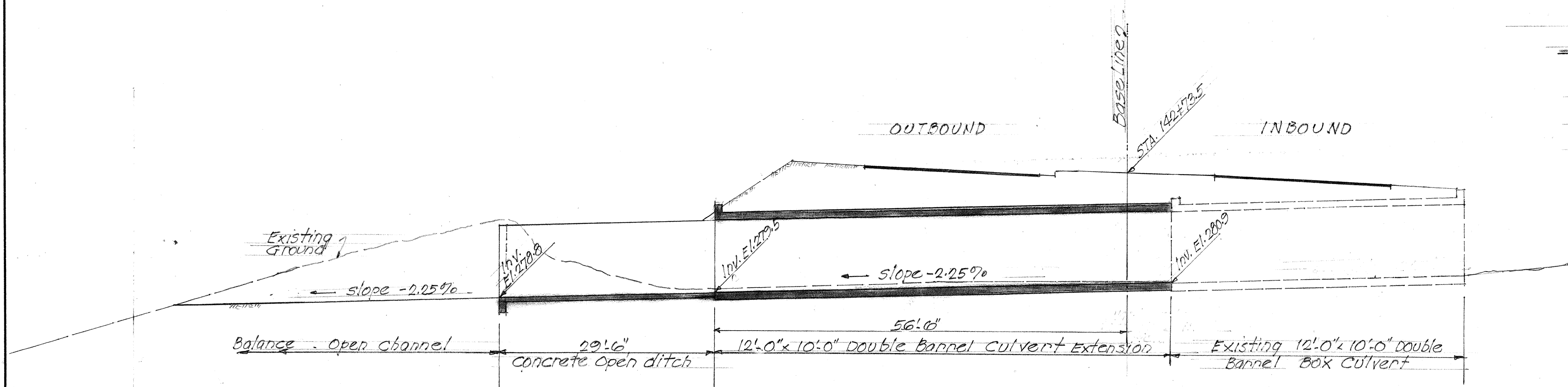
SECTION "J-J" Scale: 1" = 10'-0"



SECTION "K-K" (EXISTING CULVERT & APRON) SCALE: 1/4" = 1'-0"

ESTIMATED QUANTITIES

CLASS A1 CONC.	Lump Sum
REINFORCING STEEL	Lump Sum
STRUCTURAL EXC.	260.0 c.y.
CHANNEL EXC.	256.0 c.y.



LONGITUDINAL SECTION ALONG & EXISTING & CONCRETE BOX CULVERT EXTENSION

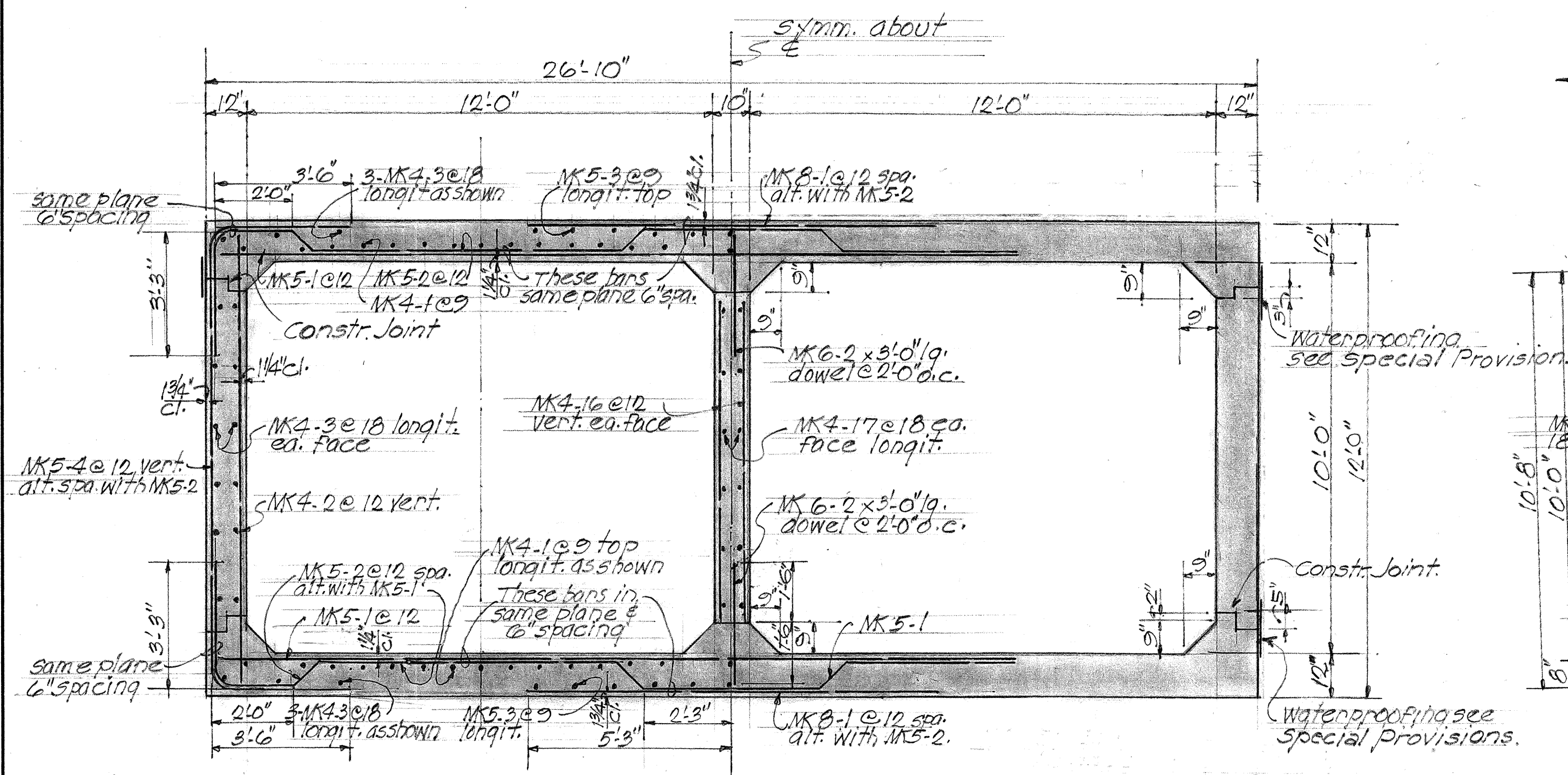
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
12'-0" x 10'-0" DOUBLE BARREL BOX CULVERT EXTENSION
Sta. 142+73.5
KAMEHAMEHA HWY. F 083-1(1)
July 1953

SHEET No. 1 OF 2 SHEETS

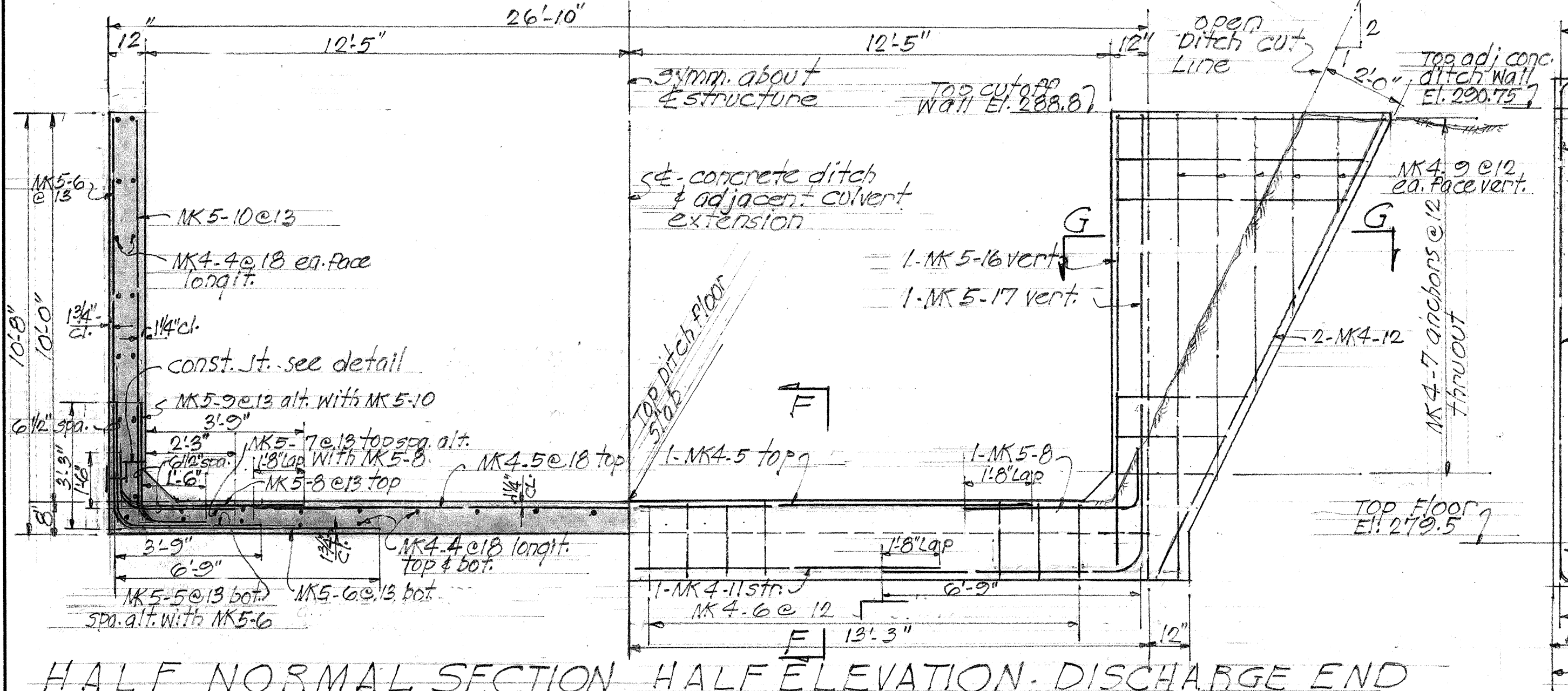
5644.19

SURVEY PLOTTED BY	DATE
PLAN	7-53
TRACED BY	7-53
QUANTITIES CHECKED BY	
NO.	

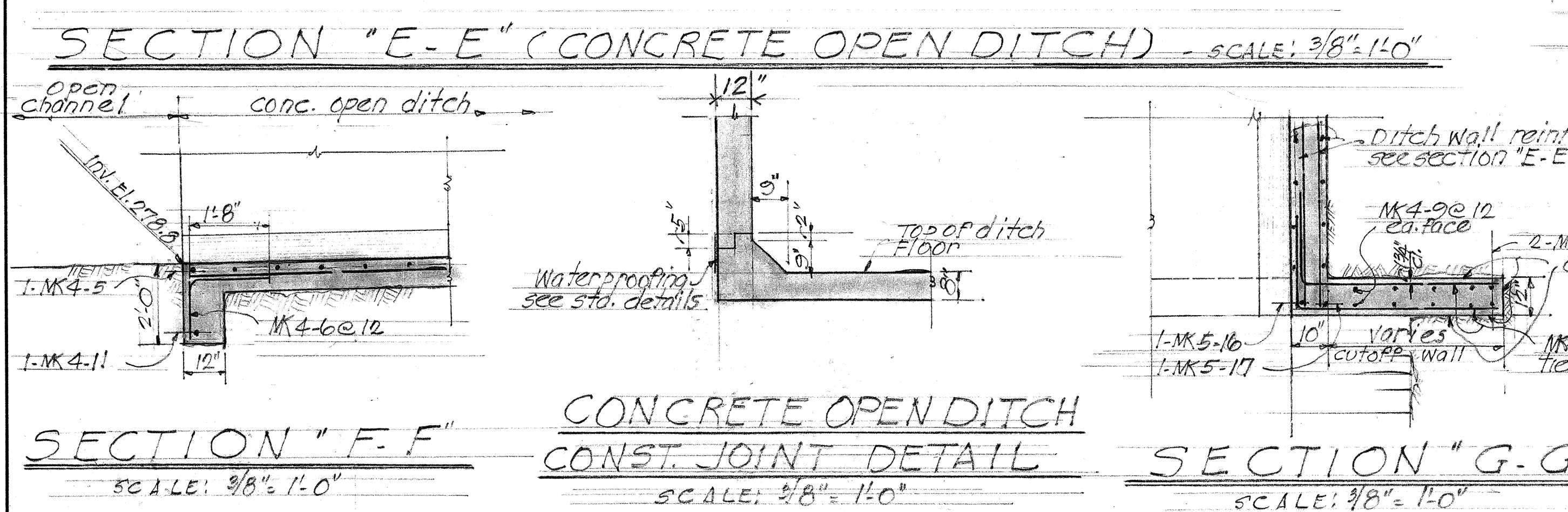
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FOB-1(1)	1955	20	30



NORMAL SECTION THRU BOX CULVERT EXTENSION
SCALE: 3/8" = 1'-0"



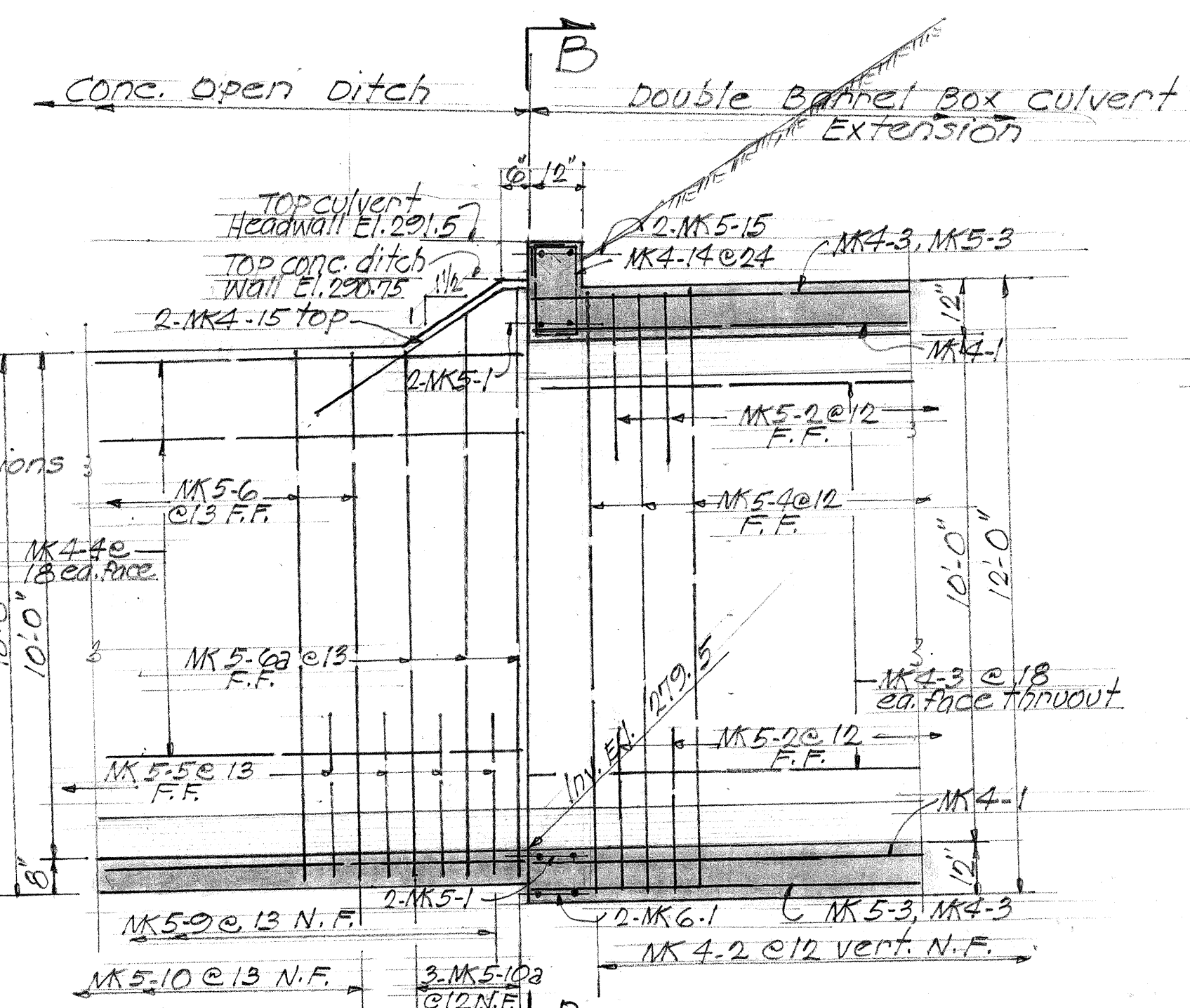
HALF NORMAL SECTION HALF ELEVATION - DISCHARGE END



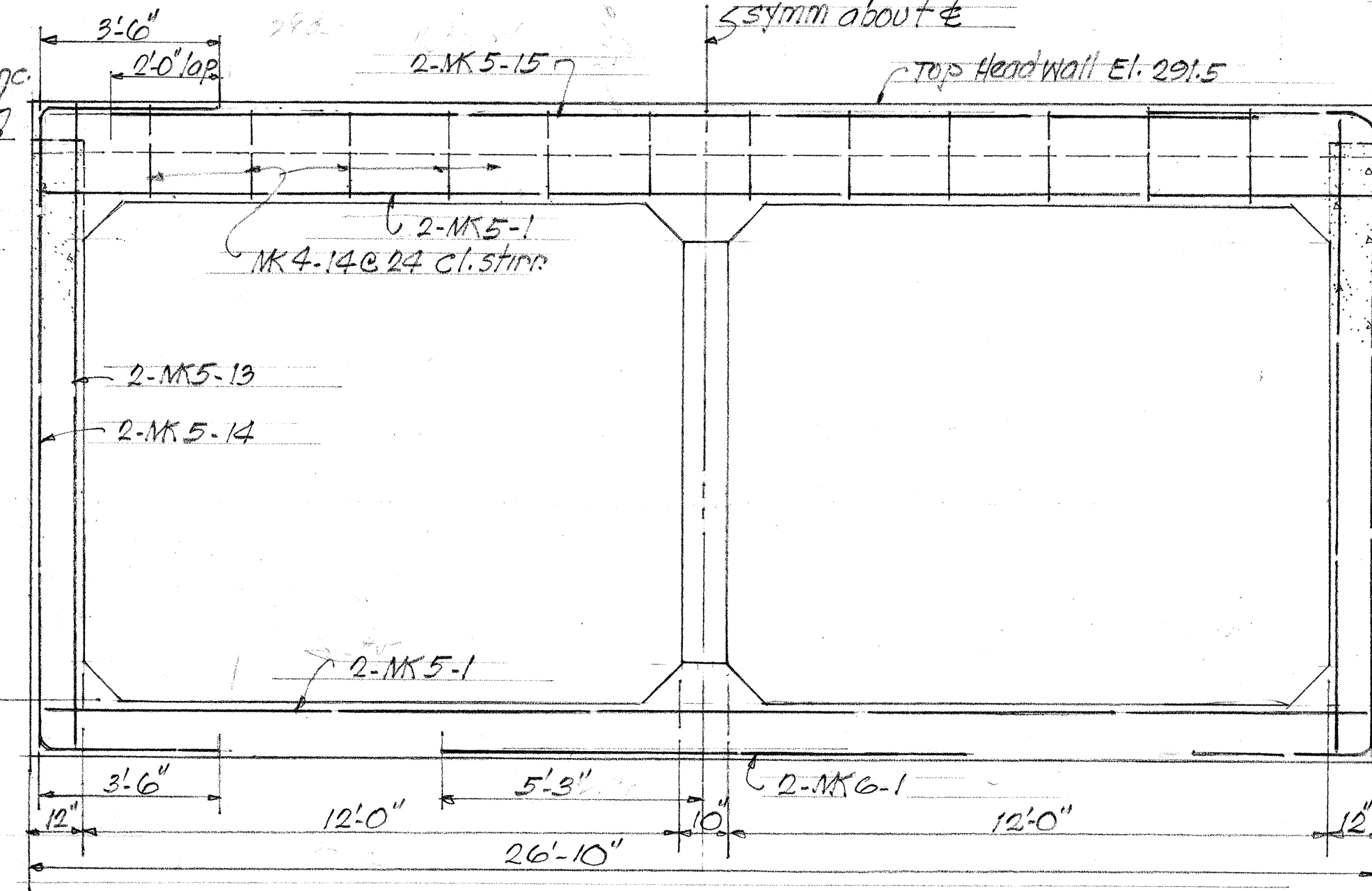
SECTION "F-F"
SCALE: 3/8" = 1'-0"

CONCRETE OPEN DITCH CONST. JOINT DETAIL
SCALE: 3/8" = 1'-0"

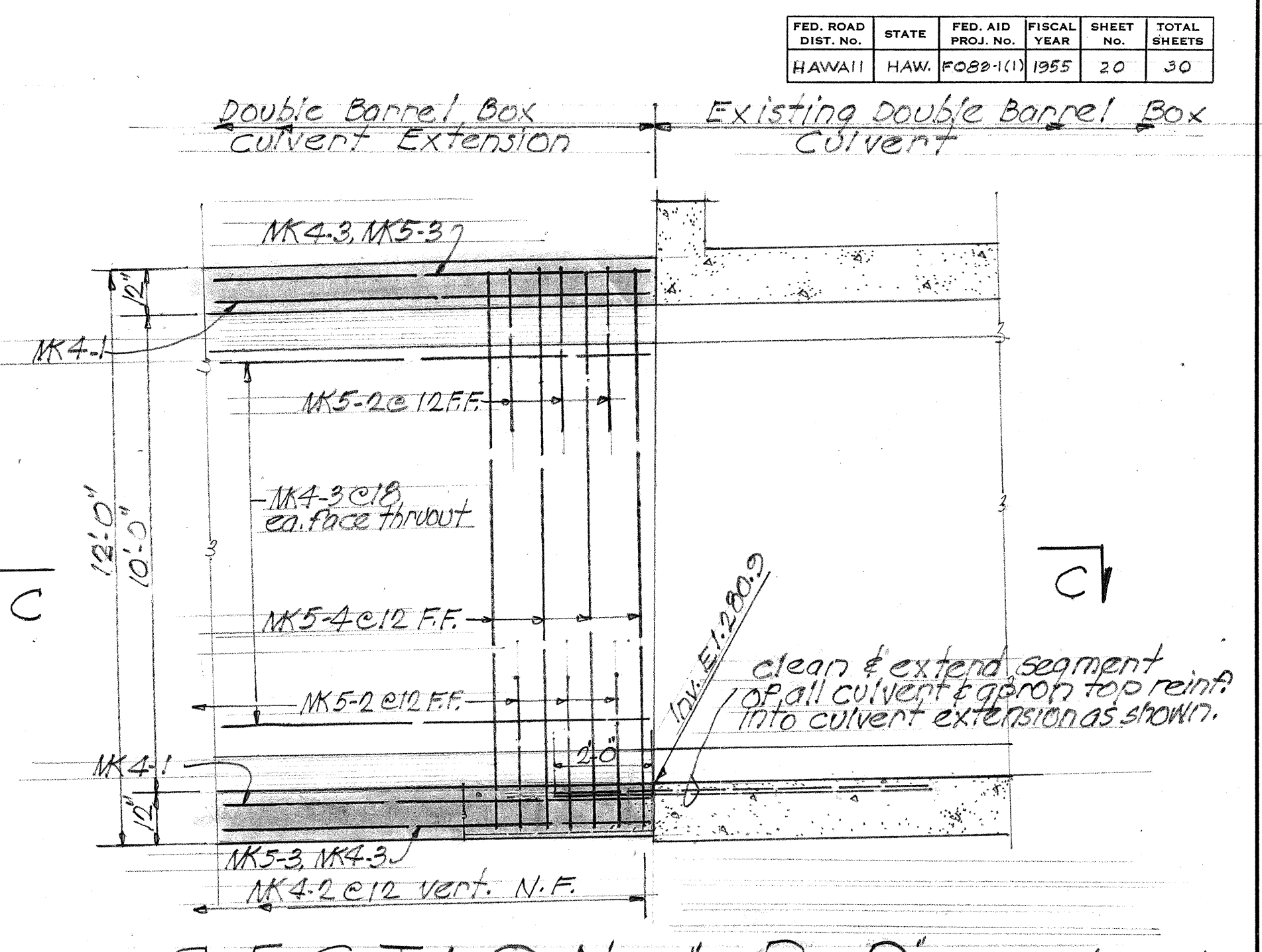
SECTION "G-G"
SCALE: 3/8" = 1'-0"



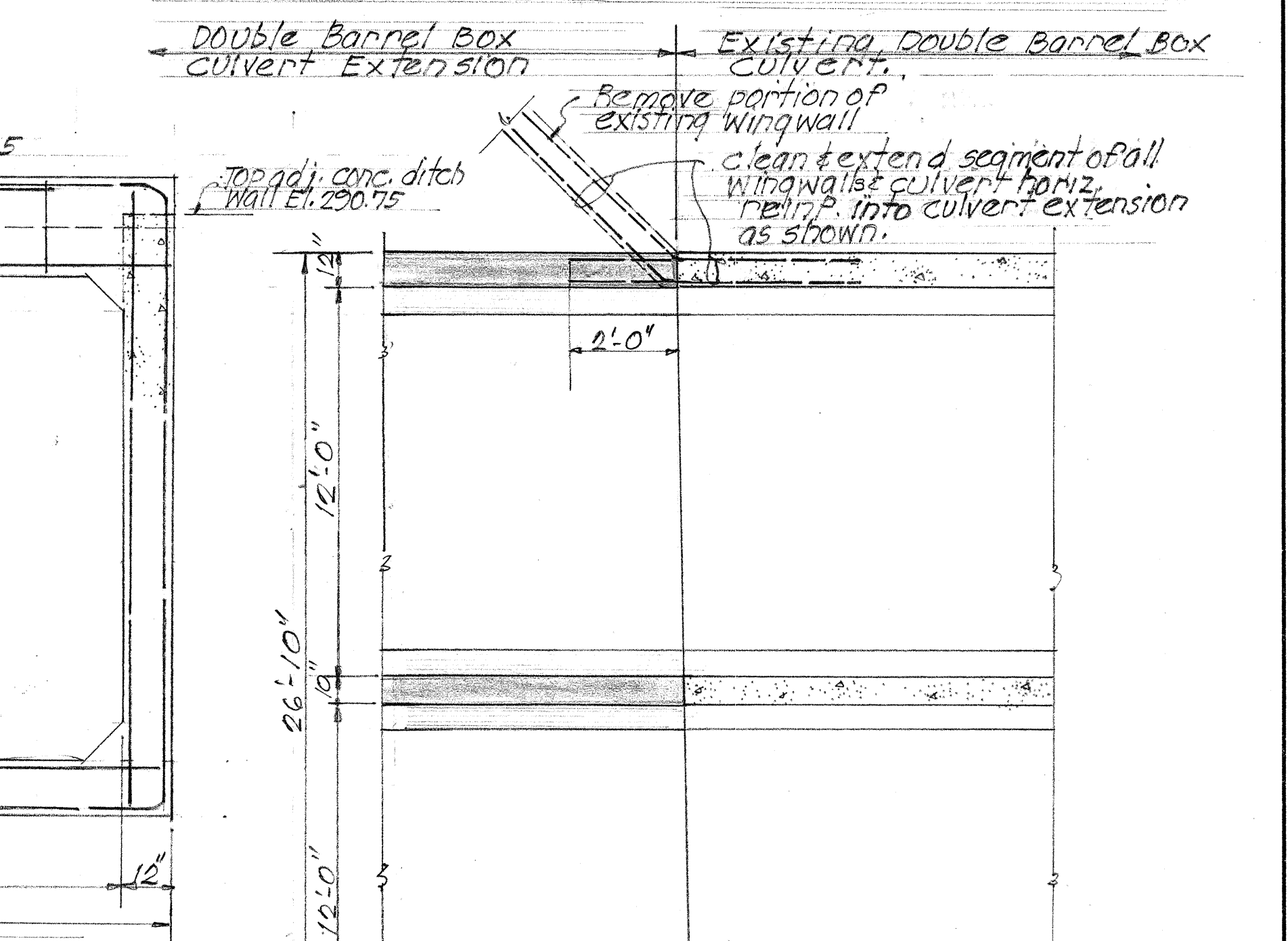
SECTION "A-A" - SCALE: 3/8" = 1'-0"
(DISCHARGE END)



ELEVATION "B-B" - SCALE: 3/8" = 1'-0"
(CULVERT HEADWALL - DISCHARGE END)



SECTION "D-D" - SCALE: 3/8" = 1'-0"



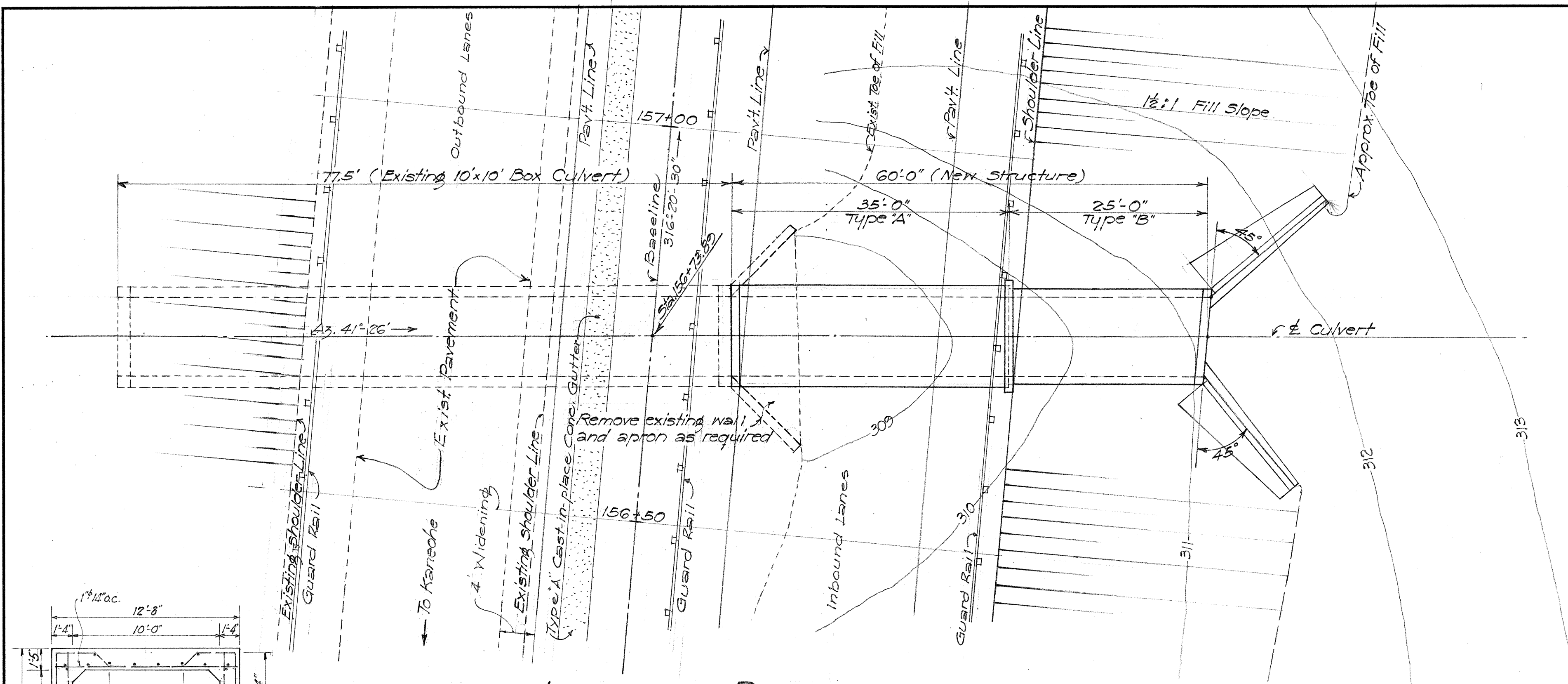
SECTION "C-C" - SCALE: 1/4" = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
12'0" x 10'0" DOUBLE BARREL BOX CULVERT EXTENSION
Sta. 142+73.5
KAMEHAMEHA HWY. FOB-1(1)
JULY 1955

SHEET No. 2 OF 2 SHEETS

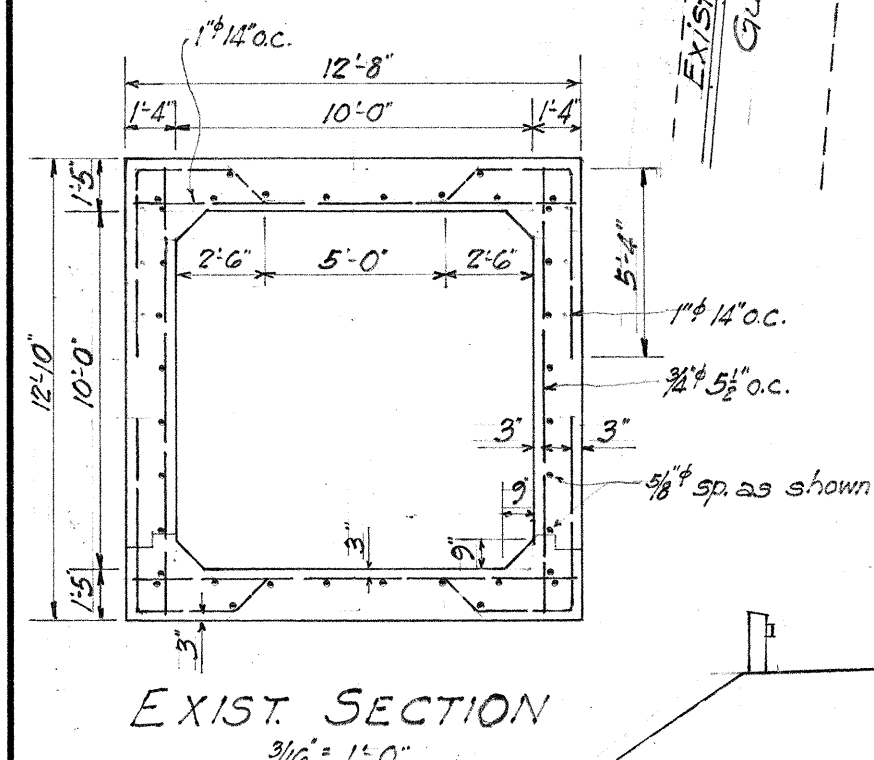
5644.20

DATE: _____
SURVEY PLOTTED BY: _____
DRAWN BY: _____
CHECKED BY: _____
NOTE BOOK NO. _____

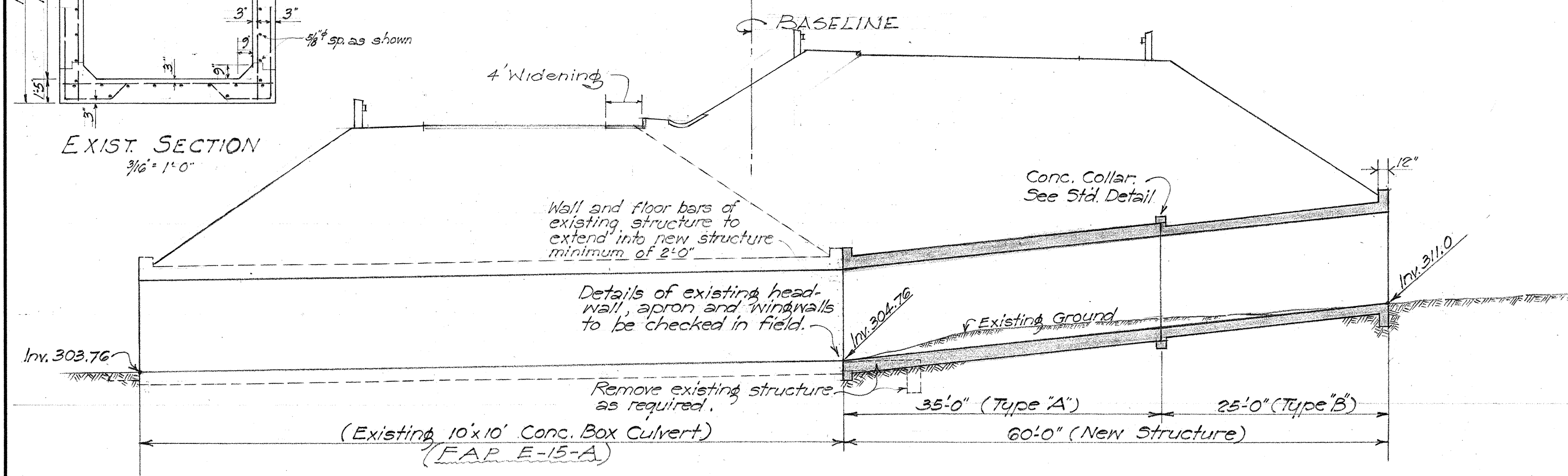


LAYOUT PLAN

1" = 10'-0"

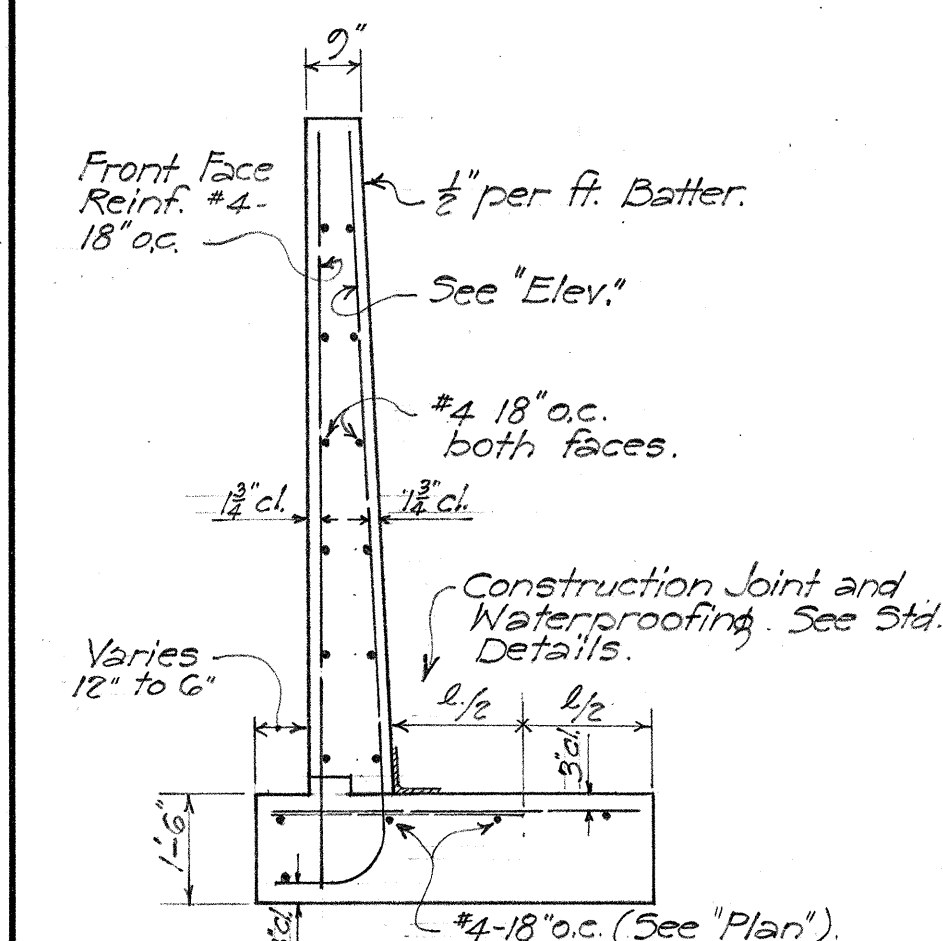


EXIST. SECTION



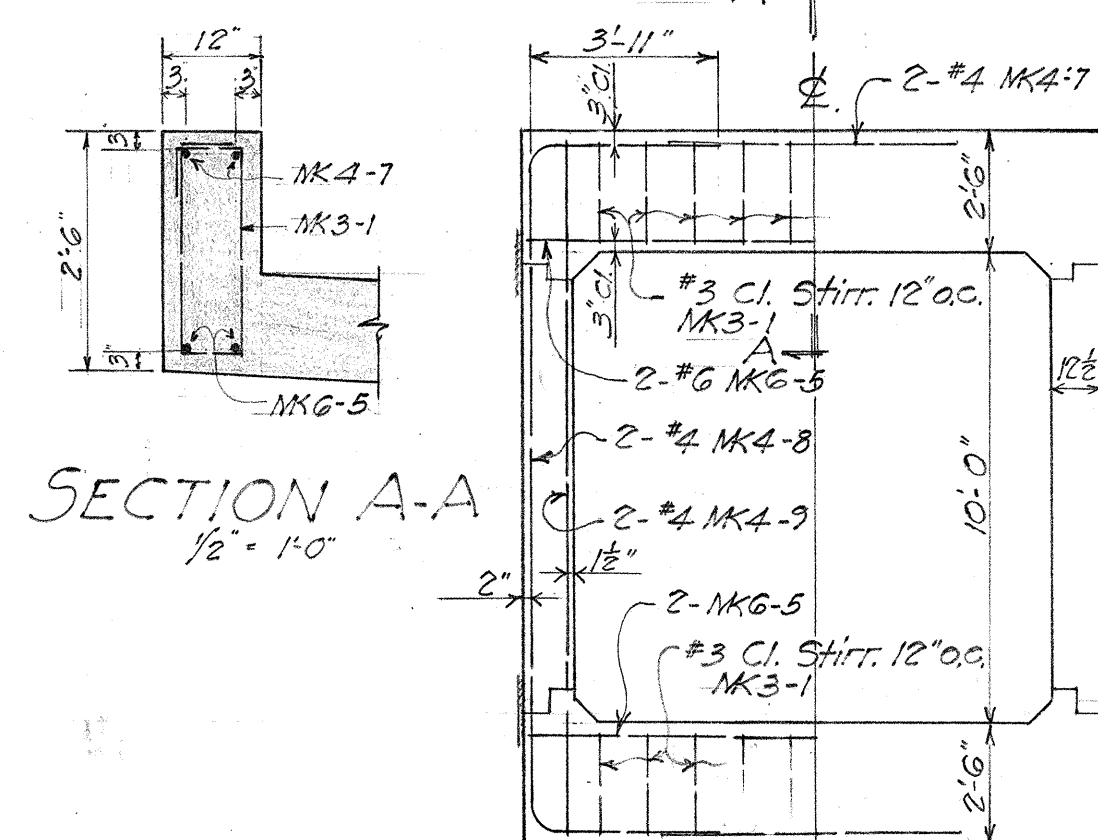
LONGITUDINAL SECTION "A-A"

1" = 10'-0"



TYPICAL W.W. SECTION

3/8" = 1'-0"

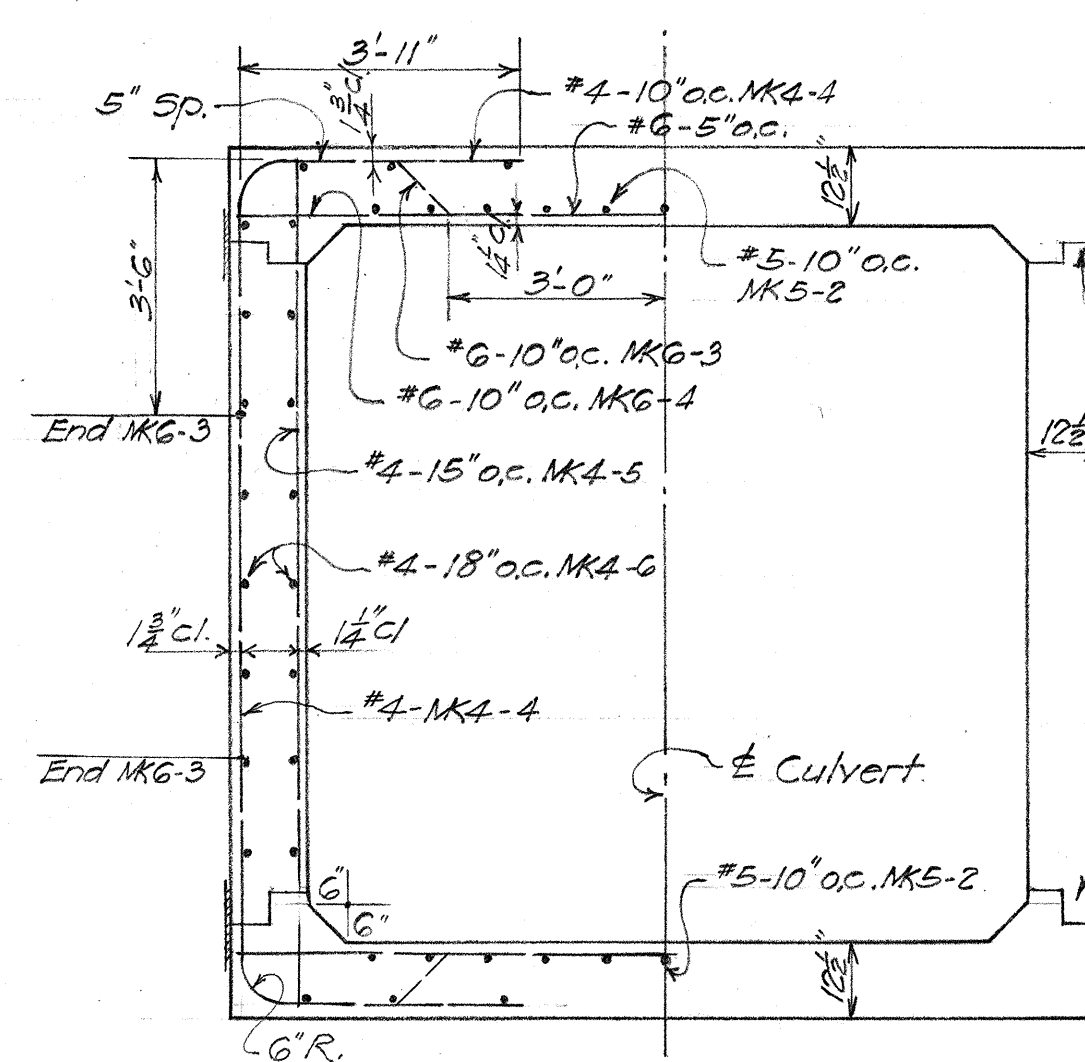


SECTION A-A

1/2" = 1'-0"

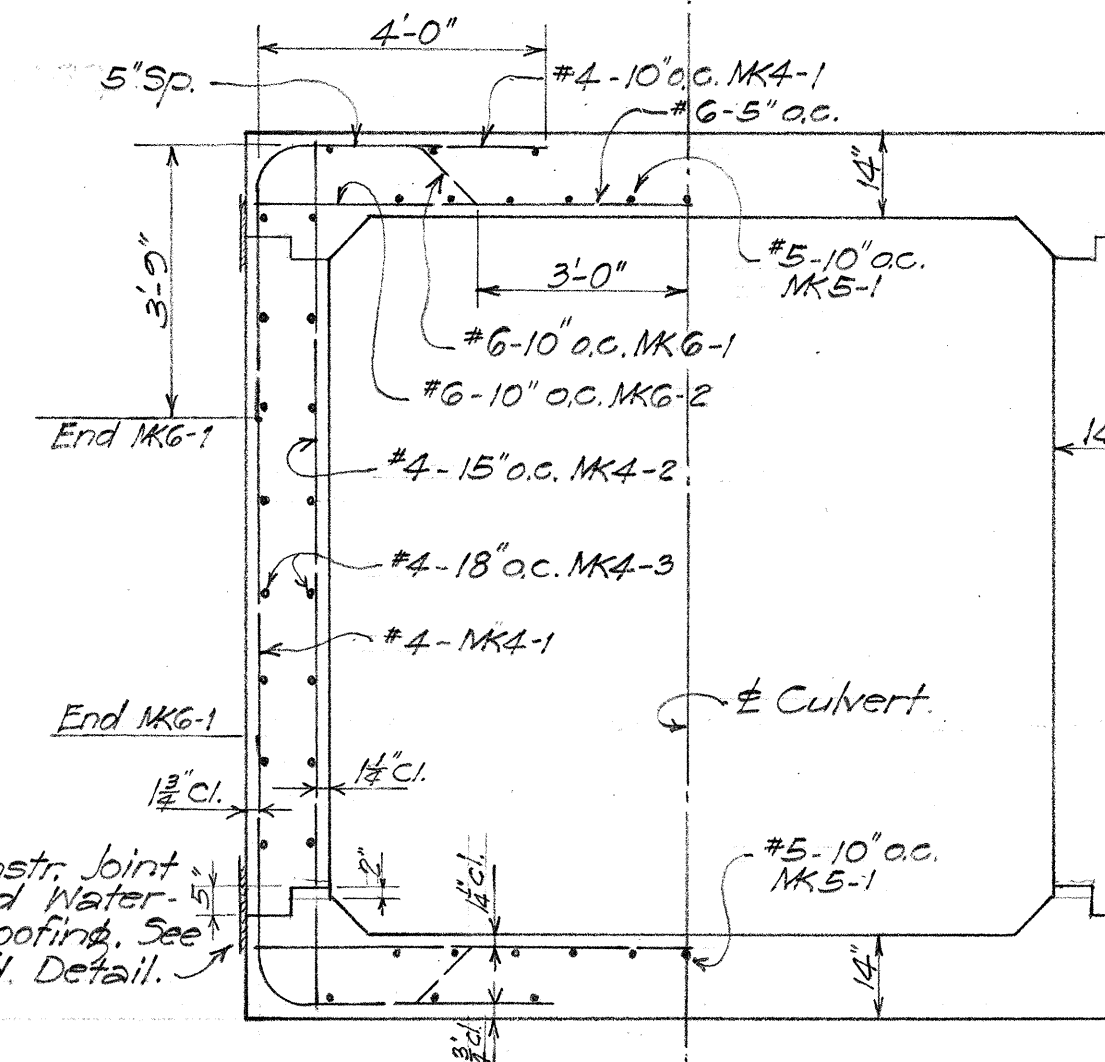
HEADWALL REINF.

1/4" = 1'-0"



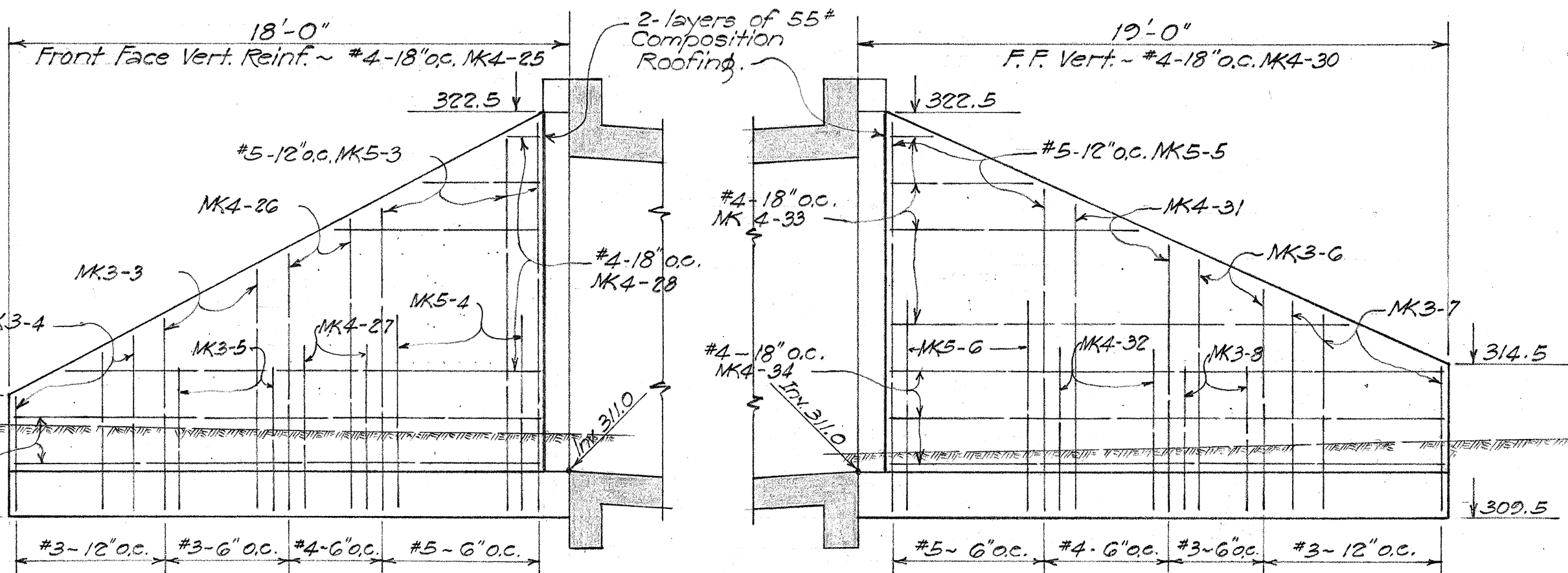
TYPE "B"

3/8" = 1'-0"



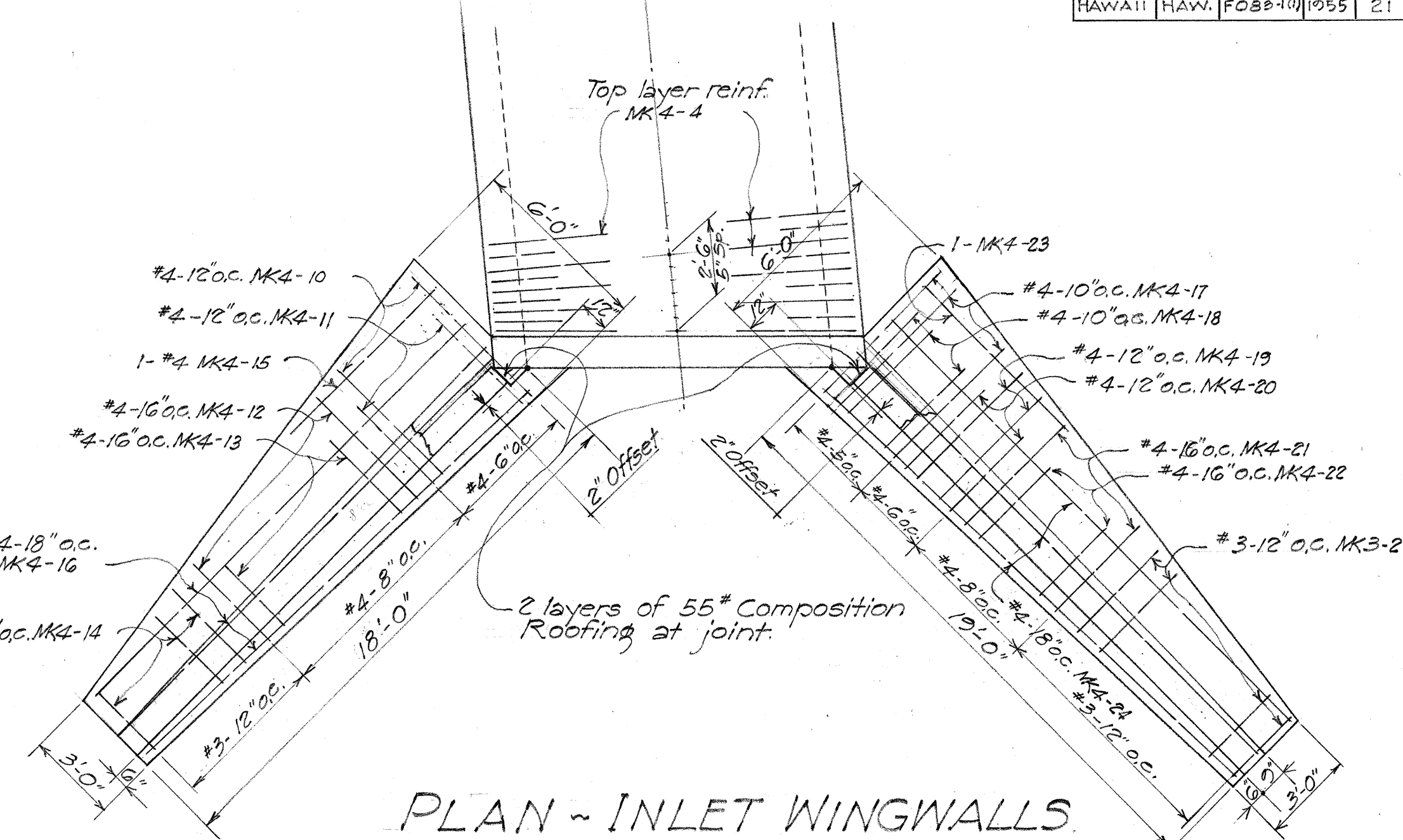
TYPE "A"

3/8" = 1'-0"



INLET WINGWALL ELEVATION

1/2" = 1'-0"



PLAN ~ INLET WINGWALLS

1/2" = 1'-0"

ESTIMATED QUANTITIES

Class 'A-1' Conc. ----- Lump Sum
Reinf. Steel ----- Lump Sum
Structural Exc. ----- 25 - c.y.

TERRITORIAL HIGHWAY DEPARTMENT

EXTENSION ~ 10'x10' BOX CULVERT

Sta. 156 + 73.89

KAMEHAMEHA HWY.

FOB3-1 (1)

October, 1951

SHEET NO. 1 OF 1 SHEETS

5644.21