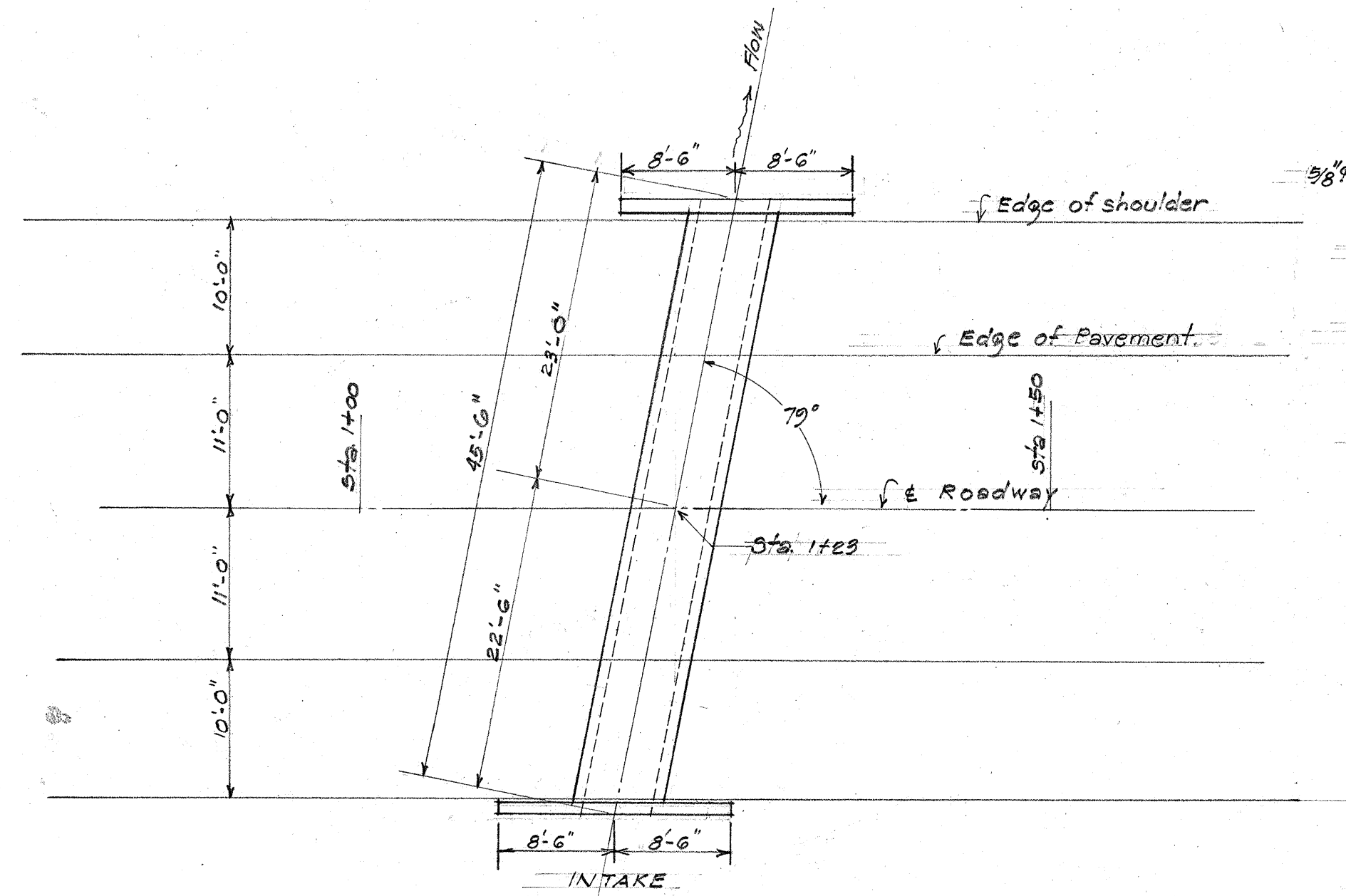
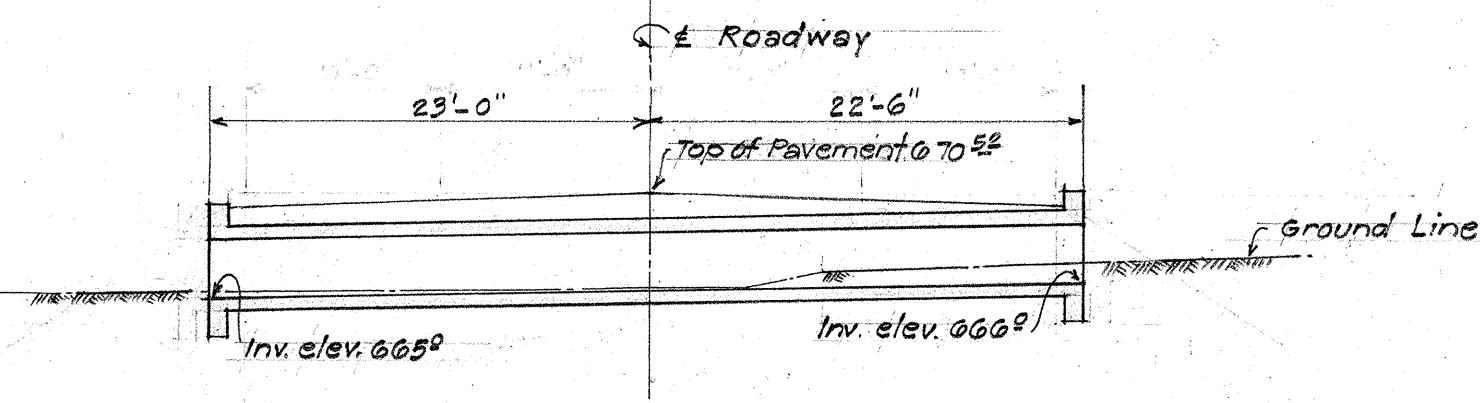
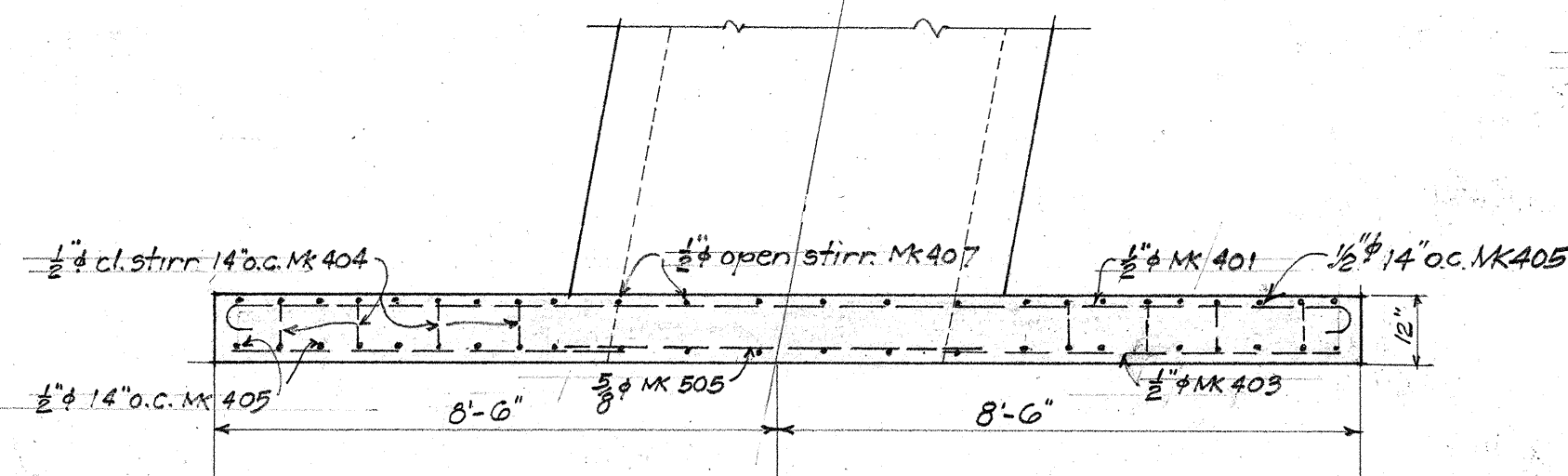




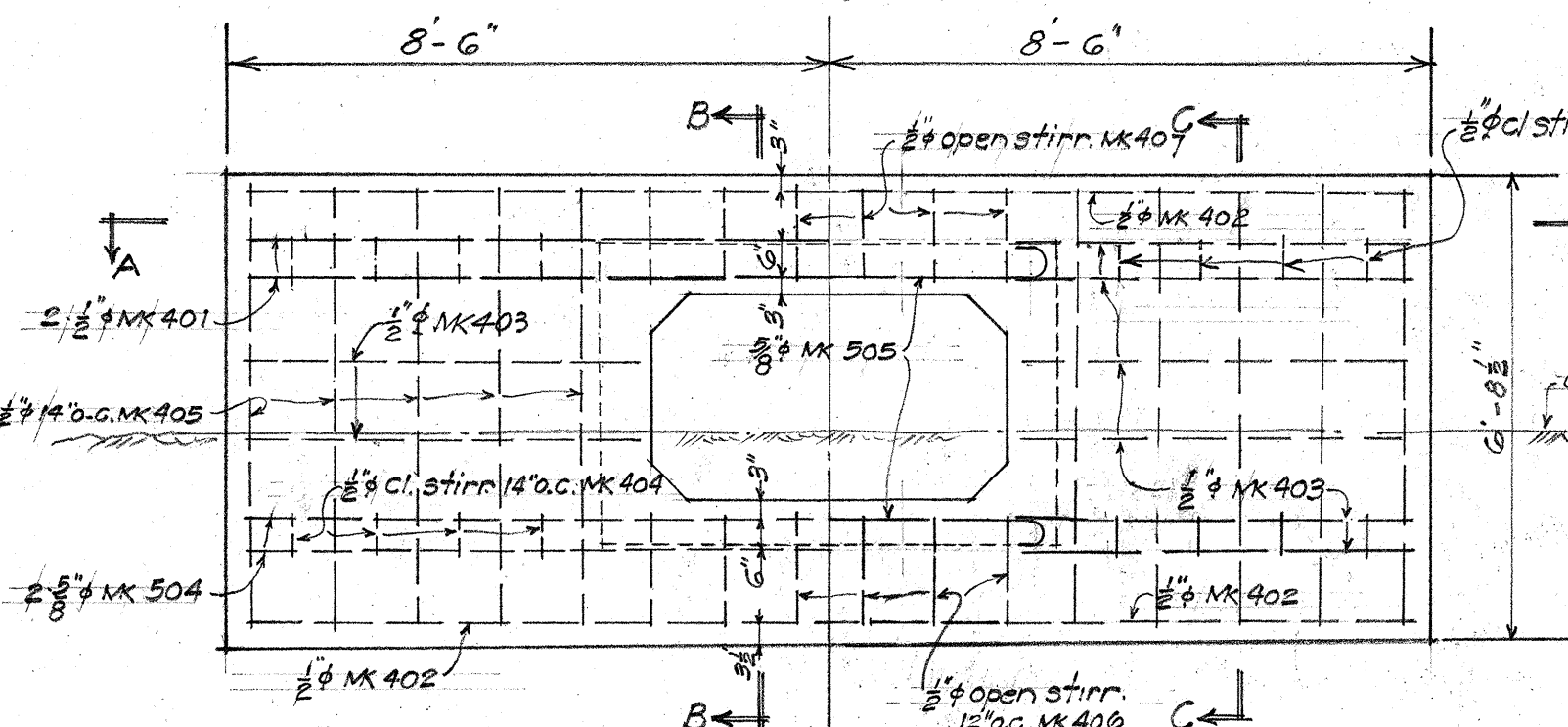
LAYOUT PLAN
Scale 1" = 10'-0"



SECTION THRU & CULVERT
Scale 1" = 10'-0"

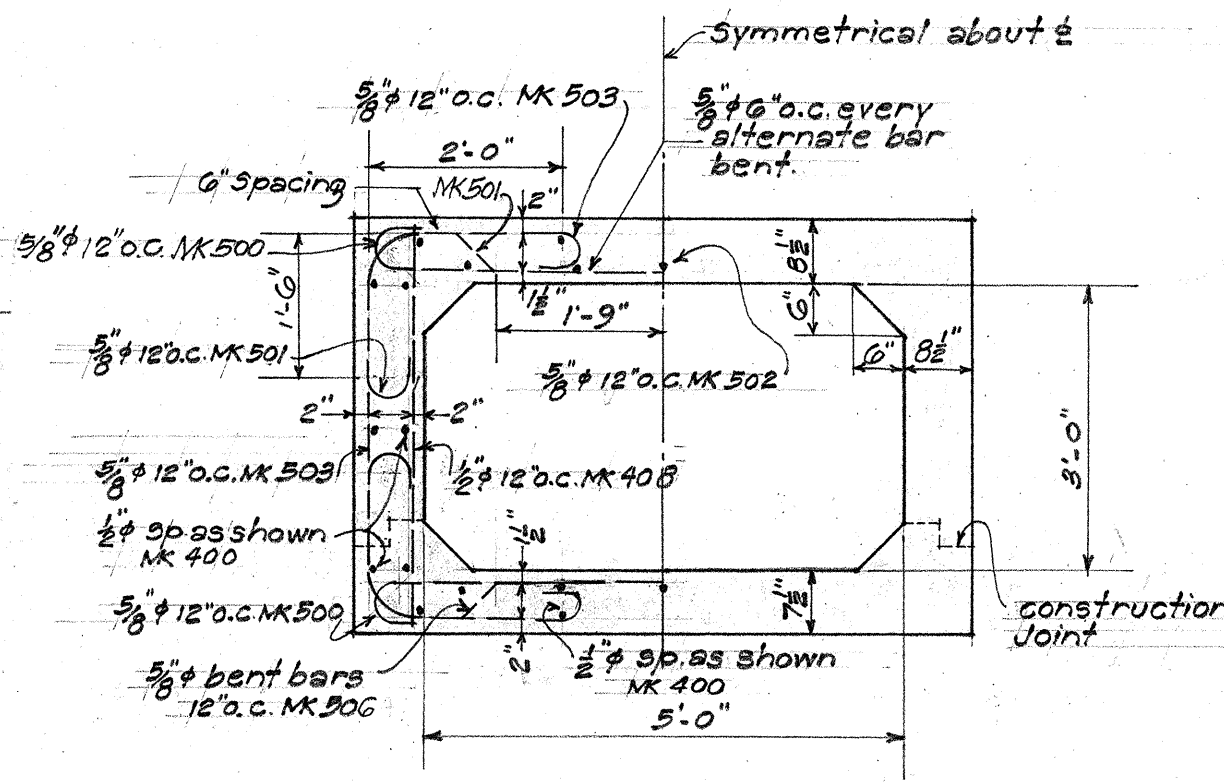


SECTION A-A
Scale 3/8" = 1'-0"



REAR FACE REINF. FRONT FACE REINF.
ELEV. OF HEADWALL

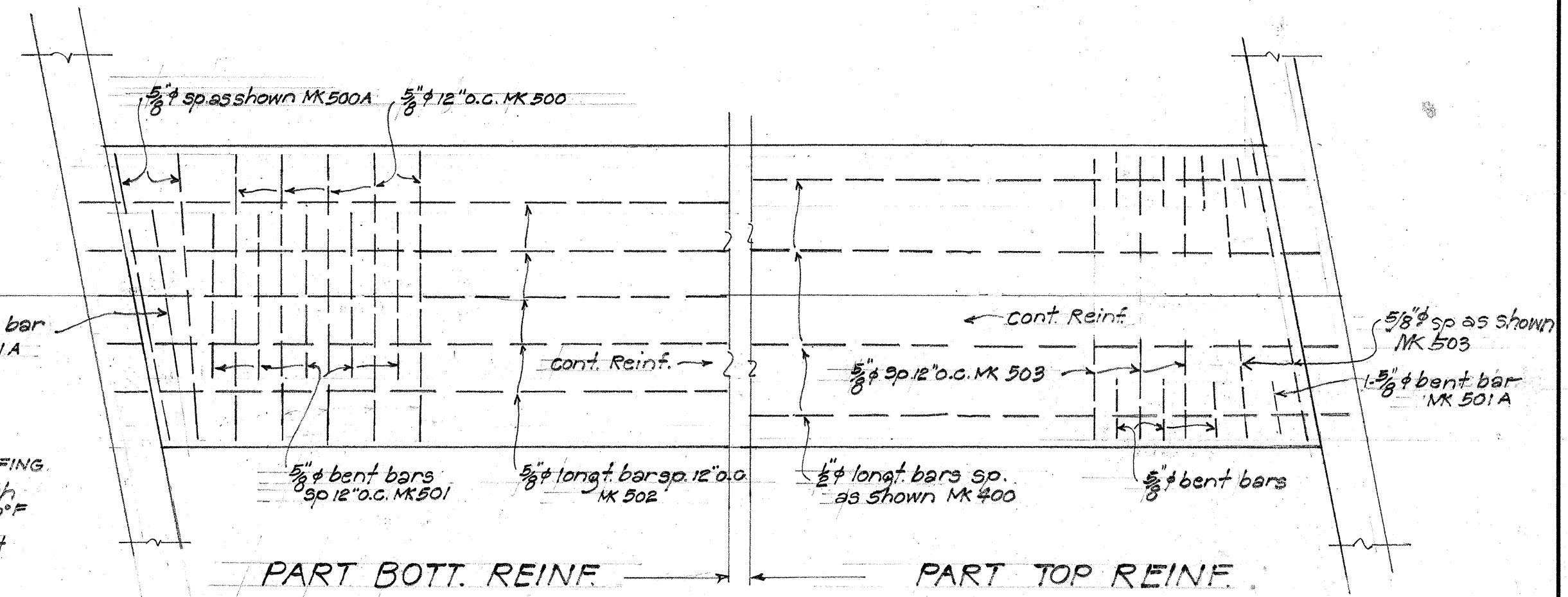
AT INTAKE
Scale 3/8" = 1'-0"



NORMAL SECTION
Scale 1/2" = 1'-0"

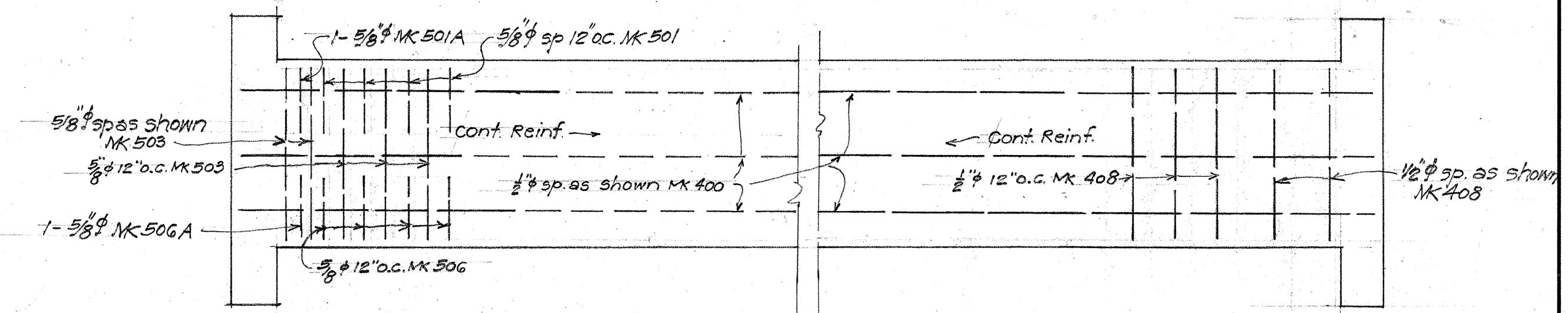
CONSTRUCTION JOINT DETAIL

METHOD OF APPLYING CONST. JOINT WATERPROOFING
1. Mop surface 12" either side of joint with asphalt 85-100 penetration applied at 200°F
2. Apply one layer of 2-ply roofing paper, lapping 2" either side of joint to hot asphalt
3. Mop entire surface with thick coat of hot asphalt



PART BOTT. REINF. PART TOP REINF.

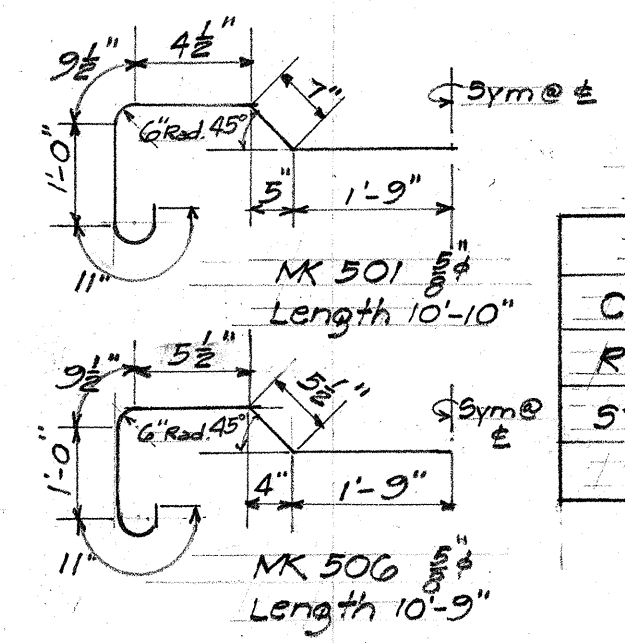
NOTE: Bott. Slab Reinf. Similar



EXTERIOR FACE REINF. INTERIOR FACE REINF.

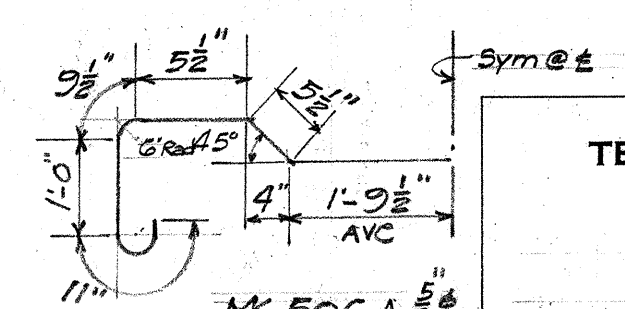
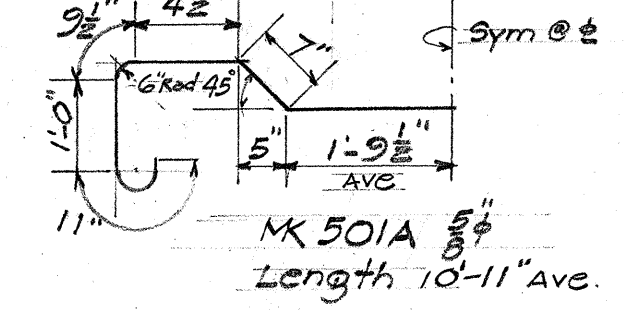
SIDE WALL REINF.

Scale 3/8" = 1'-0"



ESTIMATED QUANTITIES

ITEM	QUANTITIES
Class A Conc.	28.80 CY
Reinf. Steel	4,484 lbs
Structural Exc.	25.0 CY



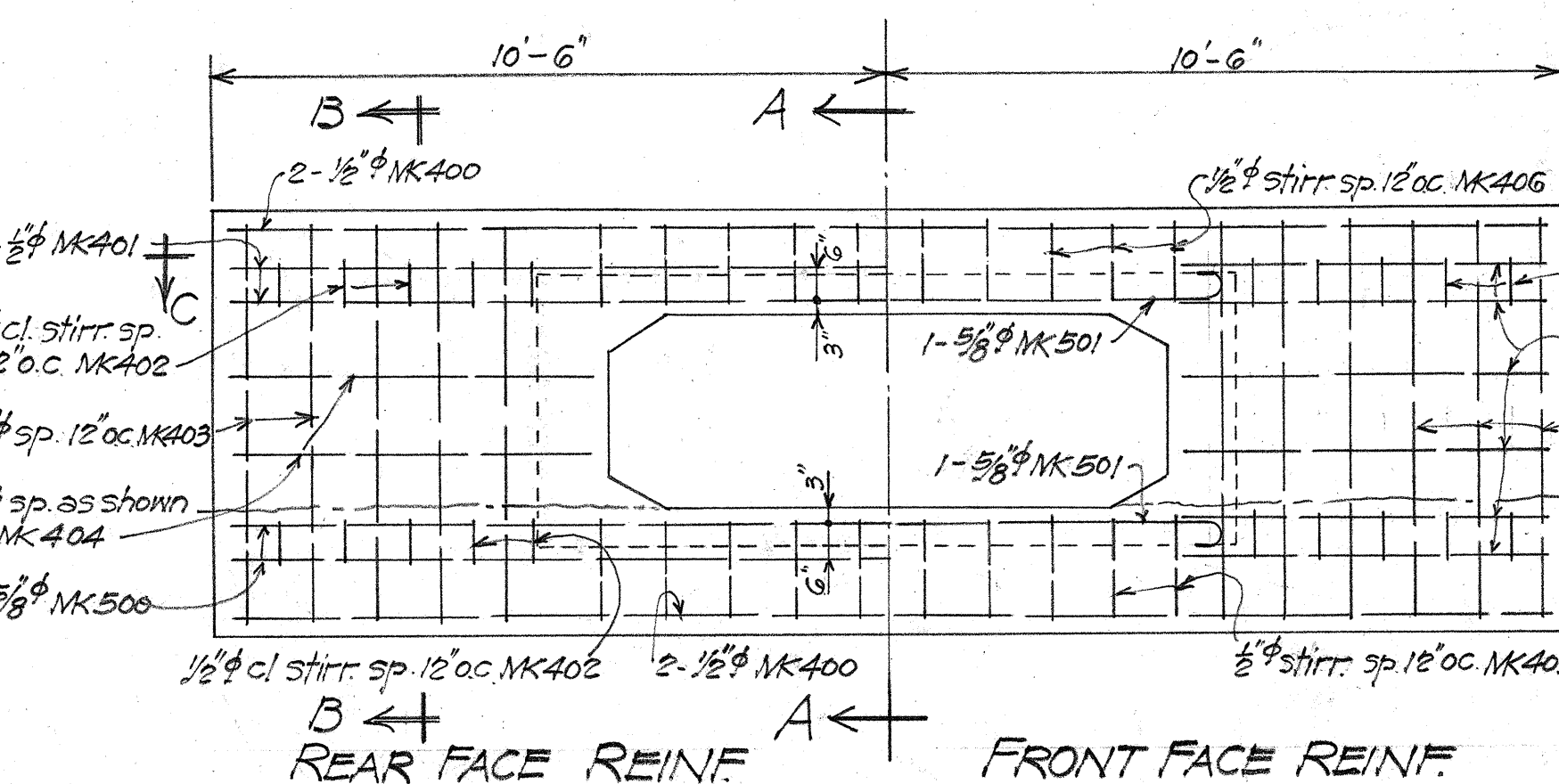
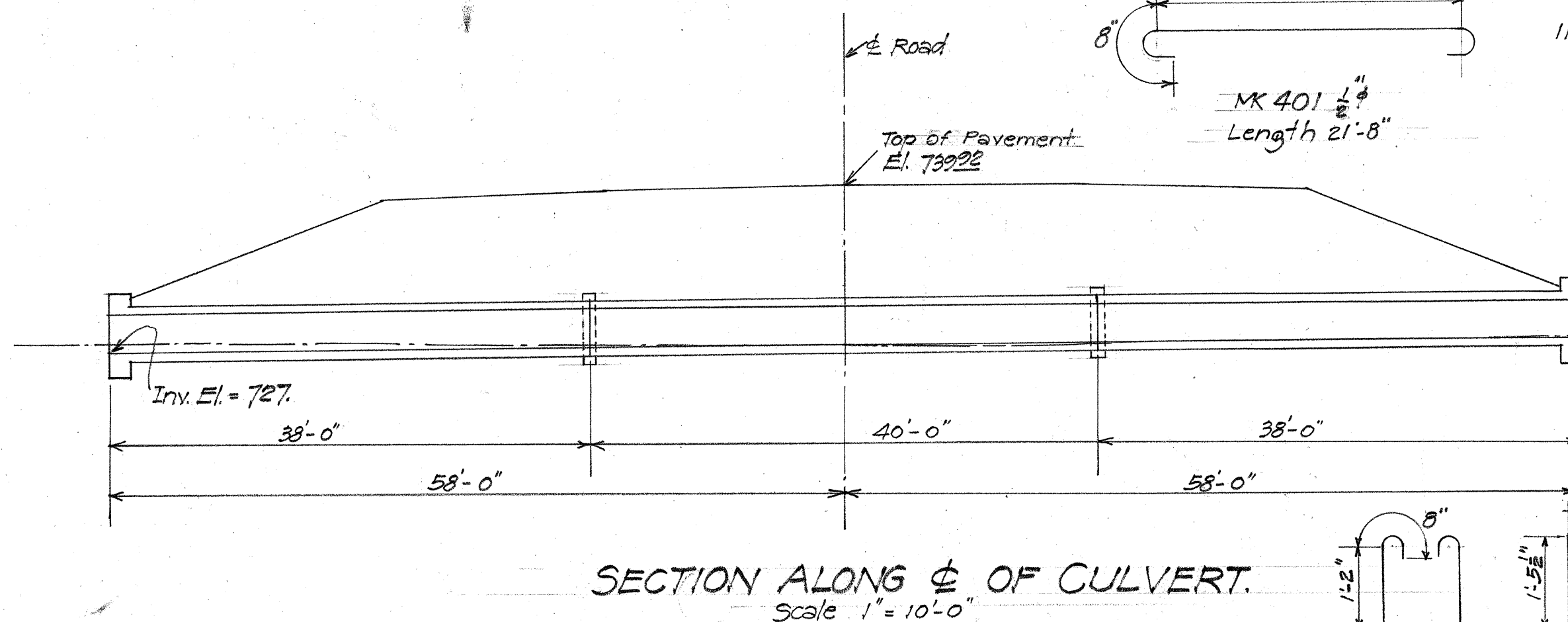
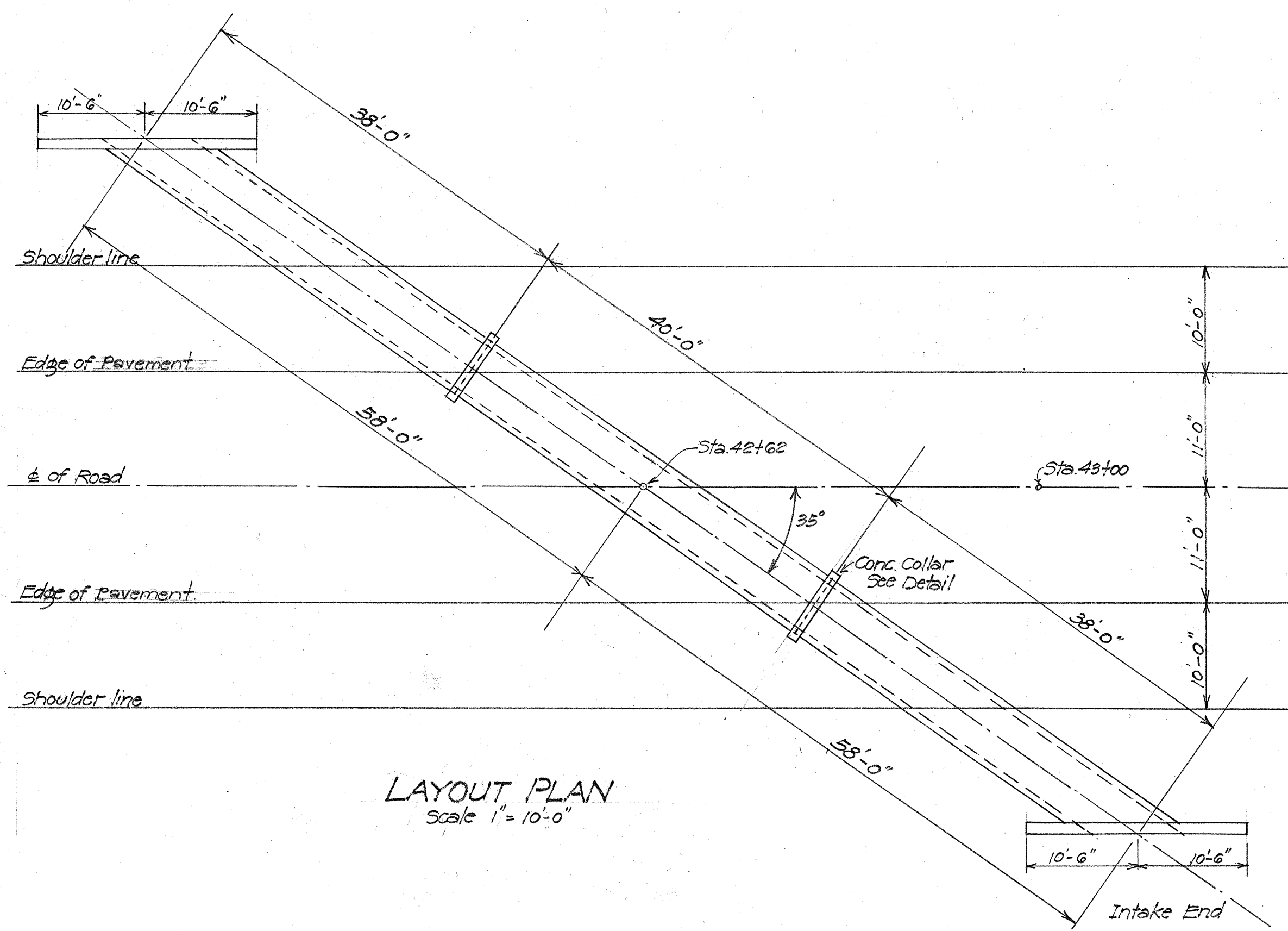
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
5x3 BOX CULVERT
STA 1+23.0

PULUPELUA AVE. S 1 (2)

July 1943
SHEET No 8 OF 13 SHEETS

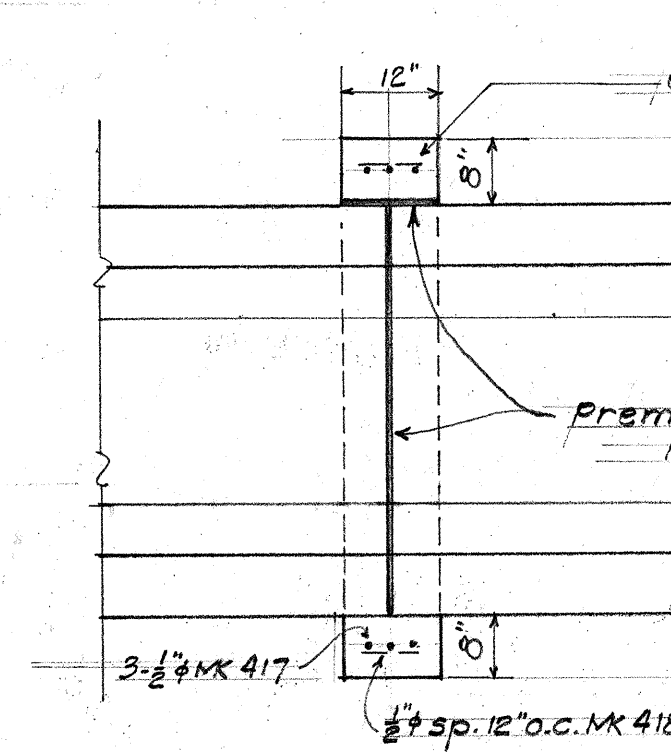
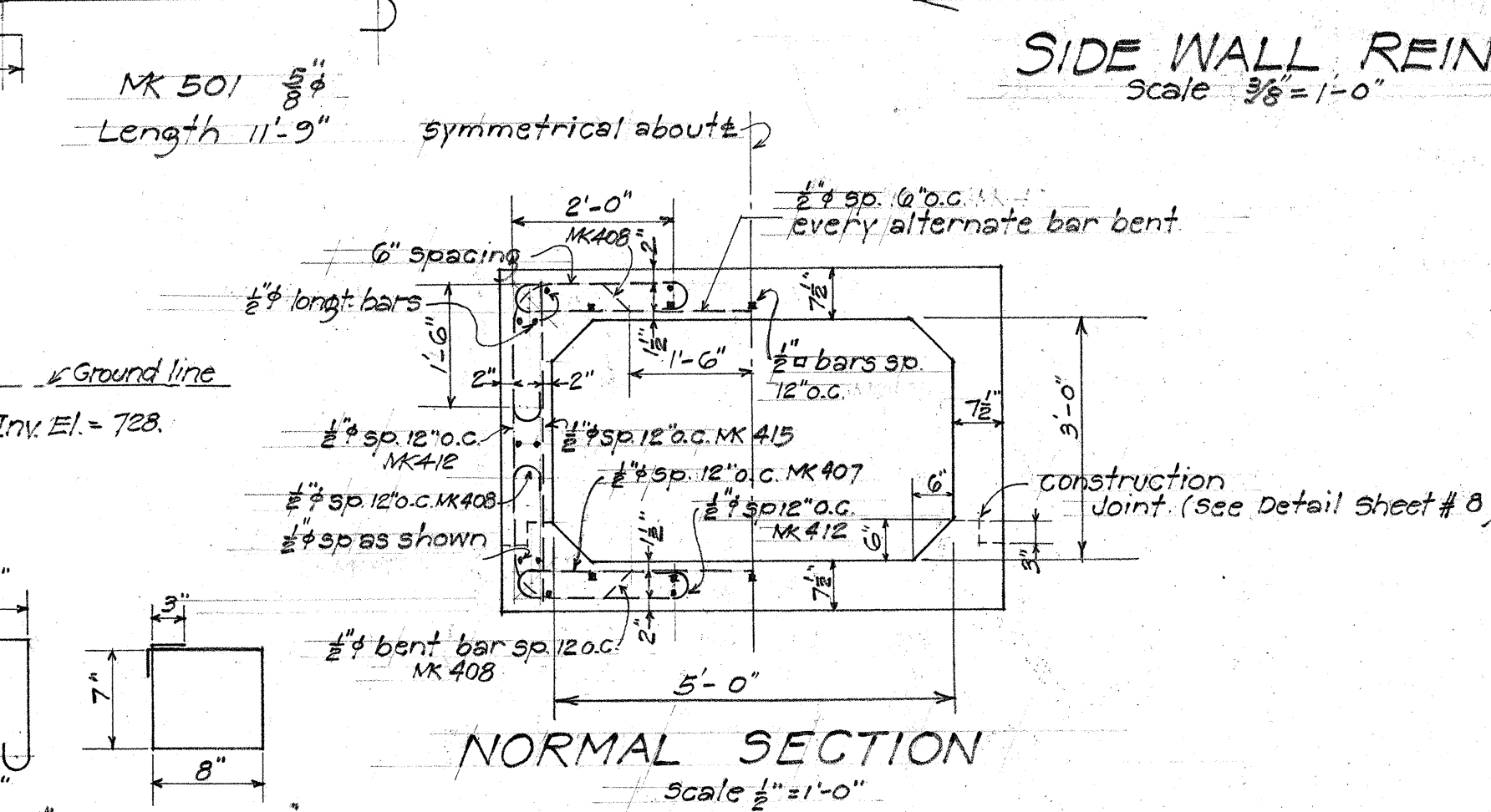
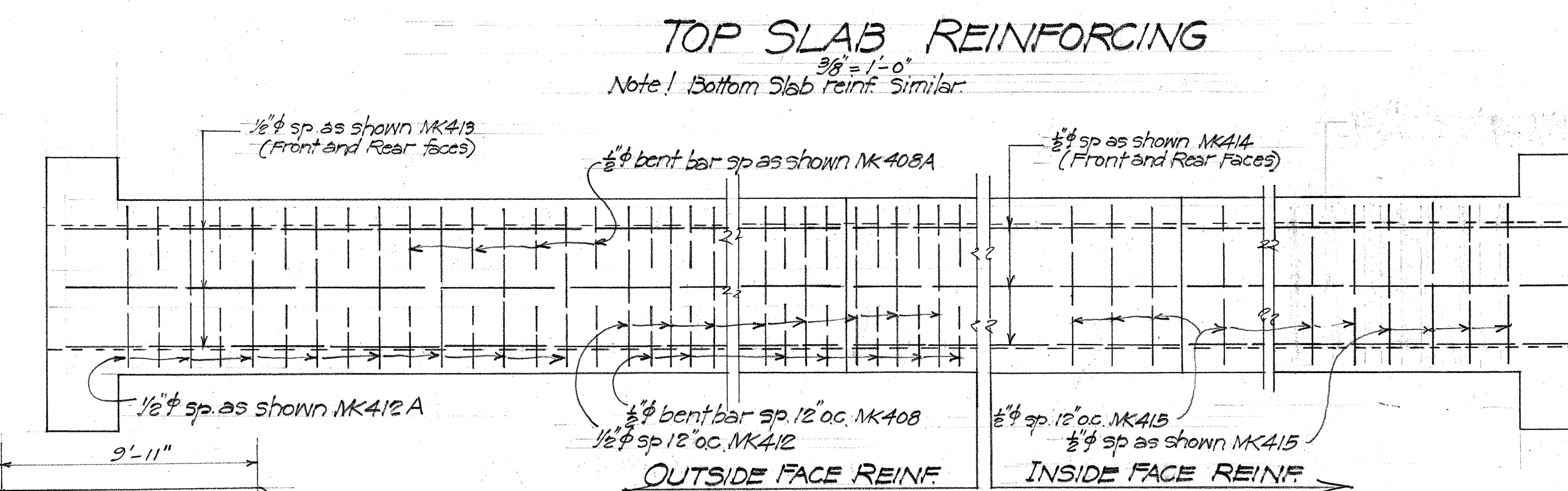
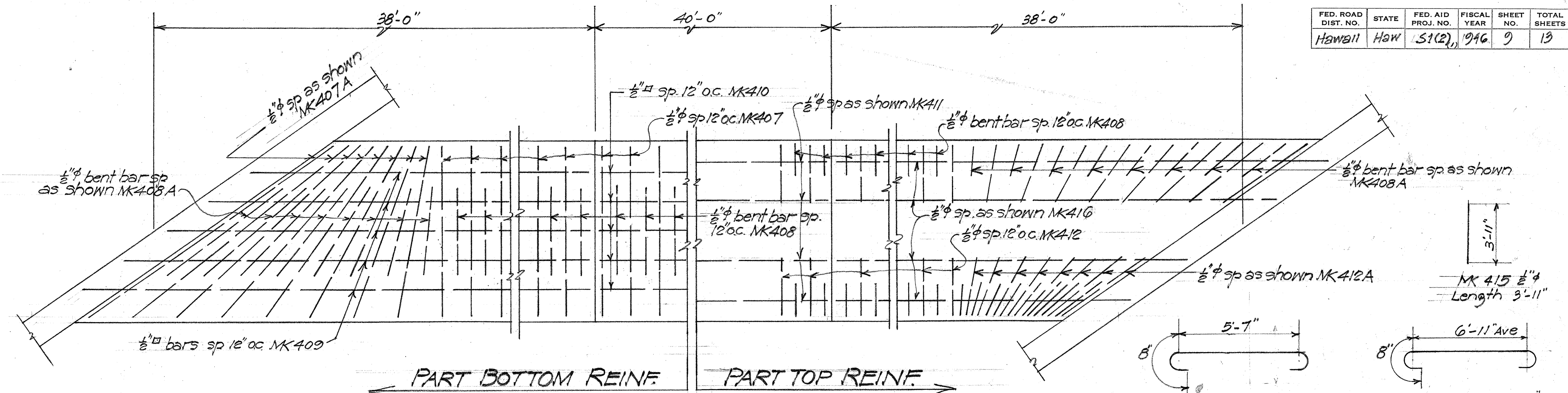
5124 6124.8

SURVEY PLOTTED BY	DATE
DESIGNED BY	July 1943
TRACED BY	
QUANTITIES BY	
CHECKED BY	
NOTED BY	
ORIGINAL PLAN	No.

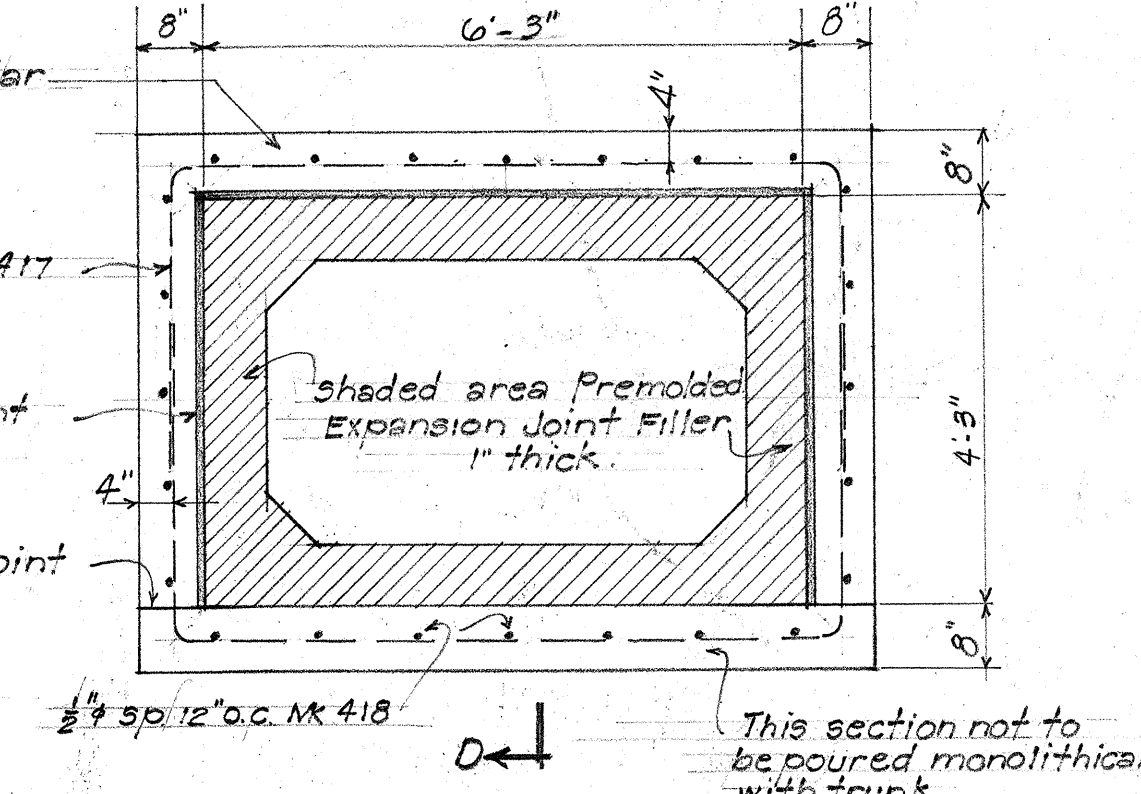


HEADWALL SECTION A-A
Scale 3/8" = 1'-0"

SECTION B-B
Scale 3/8" = 1'-0"



DETAIL OF CONC COLLAR & EXP. JOINT
Scale 1/2" = 1'-0"



ESTIMATED QUANTITIES	
ITEM	QUANTITIES
Class A Concrete	60.0 CY.
Reinf. Steel	7980 lbs.
Structure Exc.	85.0 CY.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
5x3 BOX CULVERT
STA 42+62
42+50
PUUPEELLIA AVE. S 1 (2)
July 1943
SHEET No. 9 OF 13 SHEETS