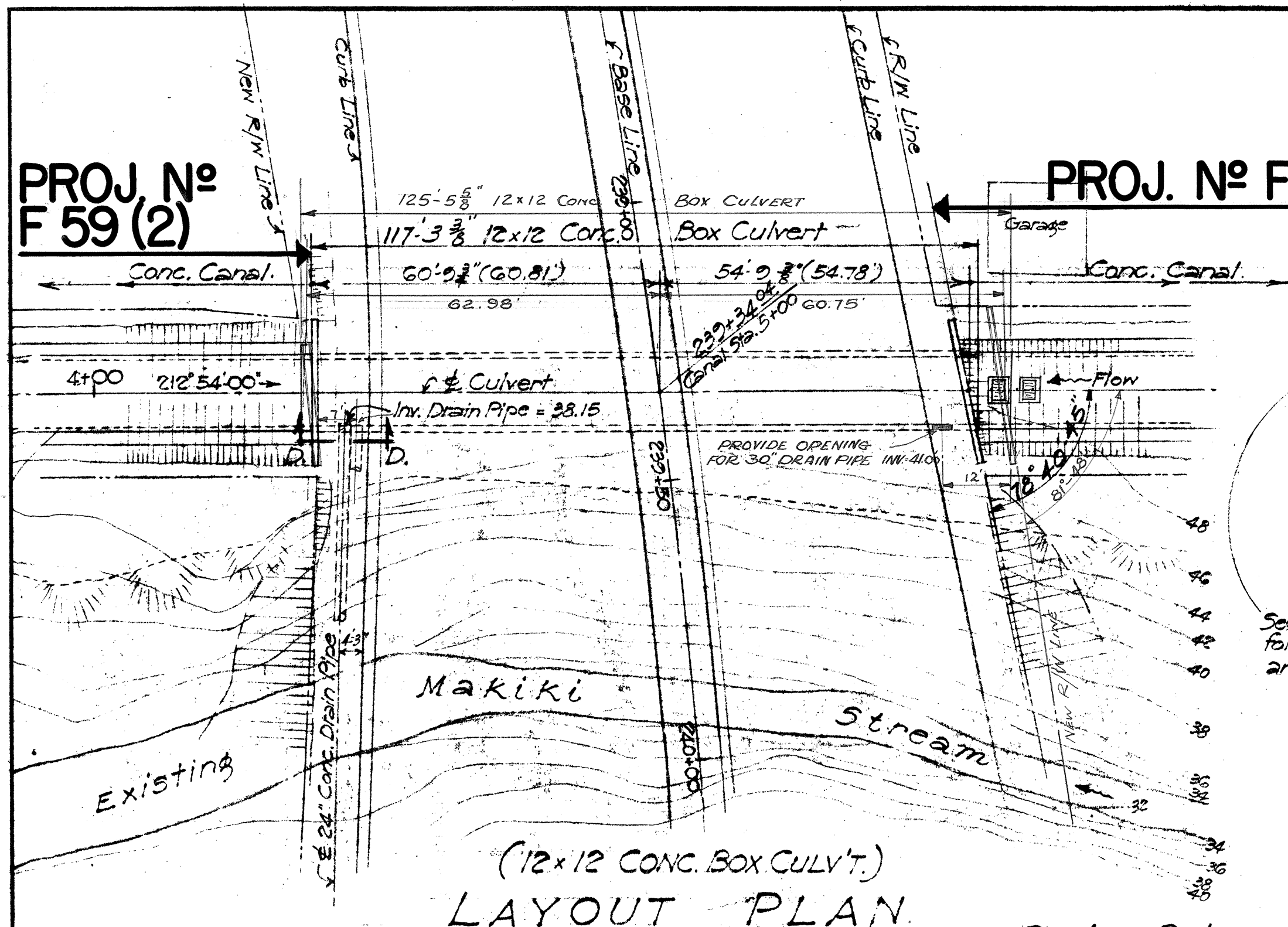


PROJ. N° F 59(2)

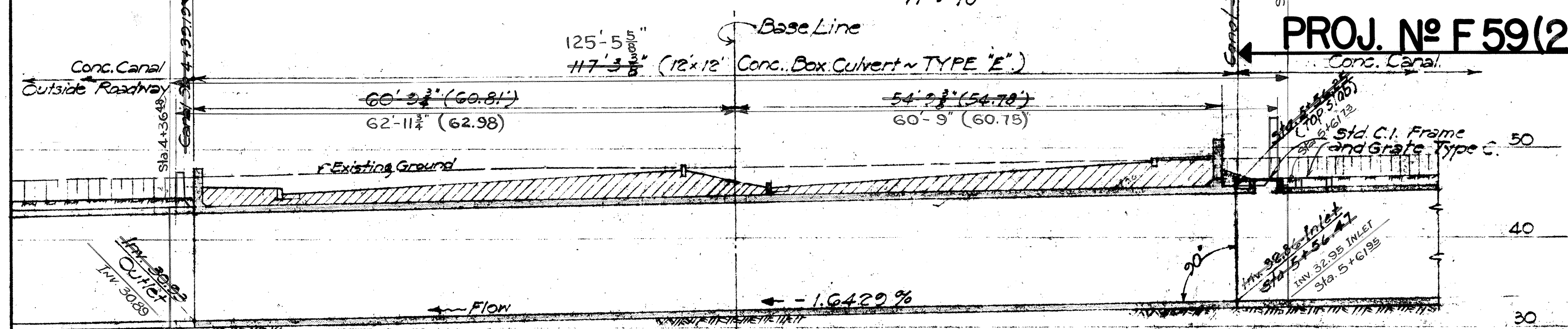
PROJ. N° F 59(2)



(12x12 CONC. BOX CULV'T.)
LAYOUT PLAN
1" = 20'-0"

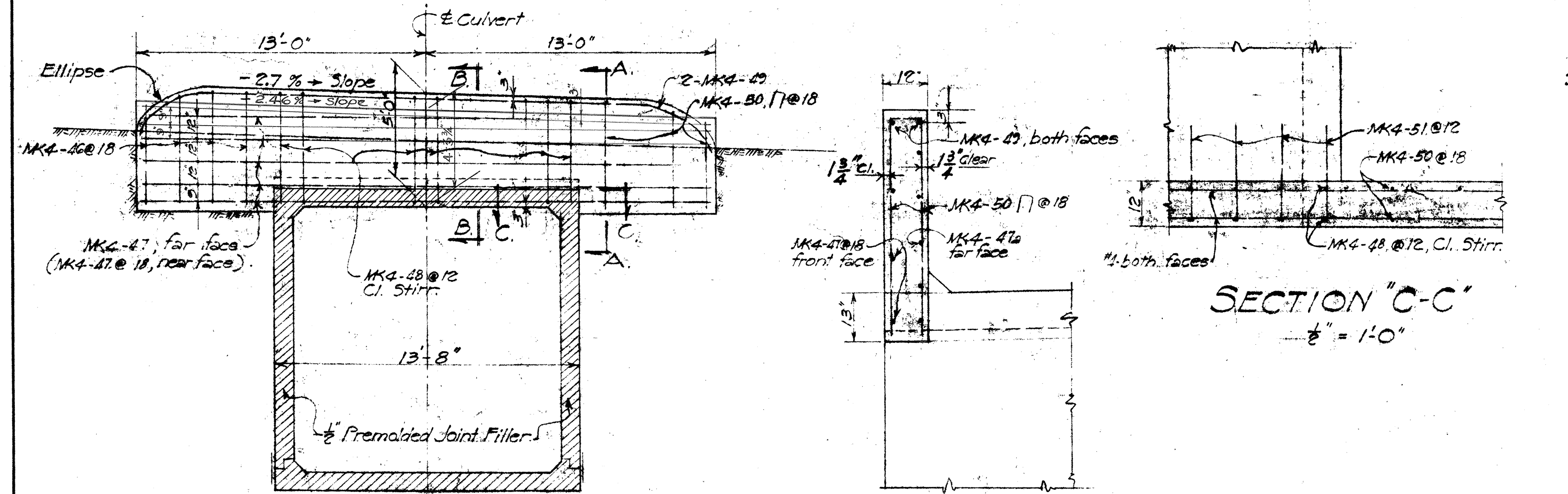
Design Data:
Loading: Refer A.A.S.H.O. Standard
Specifications for Highway Bridges
Sect. 9.3.3
f.c. = 1200
f.s. = 20,000
n = 10

PROJ. N° F 59(2)



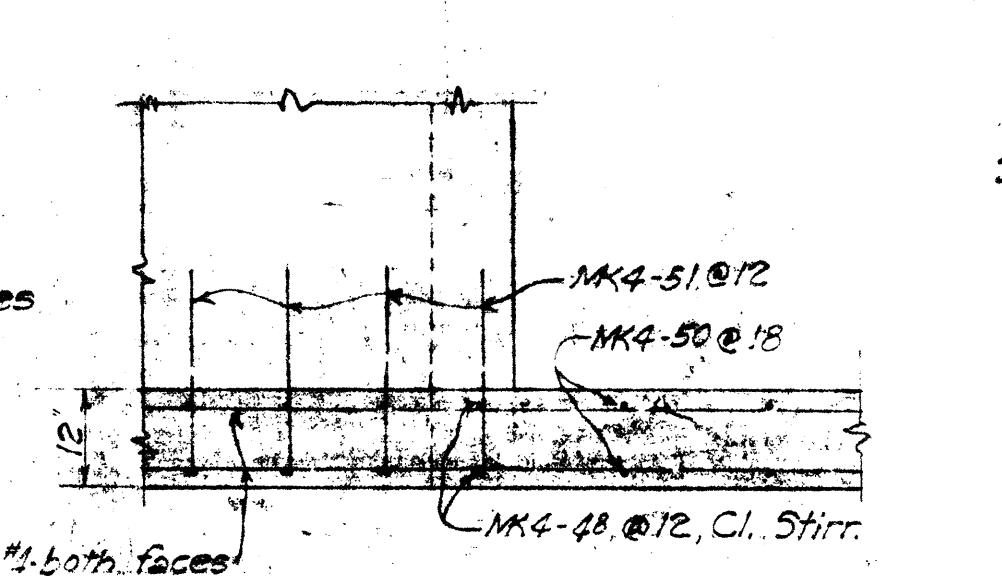
LONG SECTION AT centerline
1" = 10'-0"

PROJ. N° F 59(2)

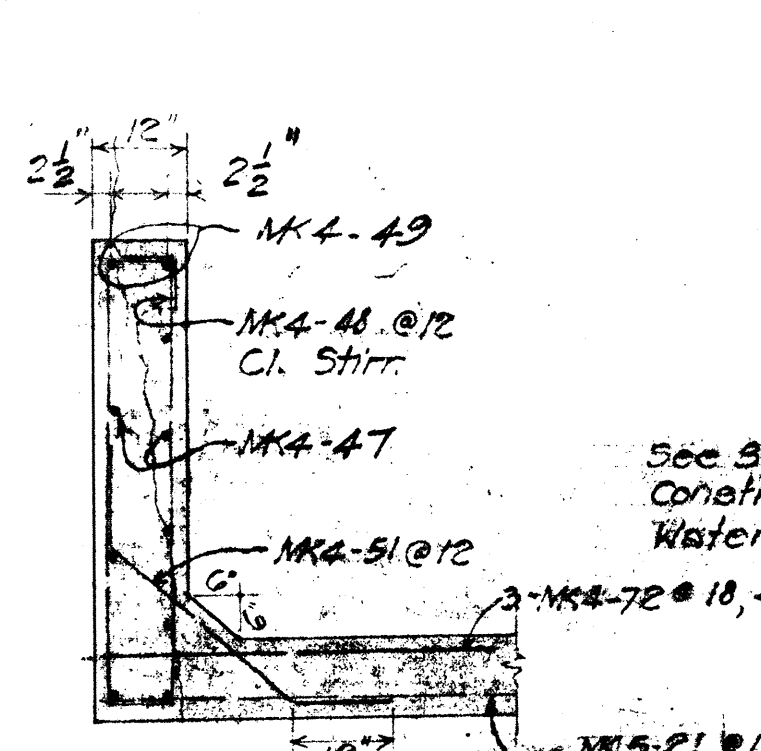


OUTLET HEADWALL
1/4" = 1'-0"

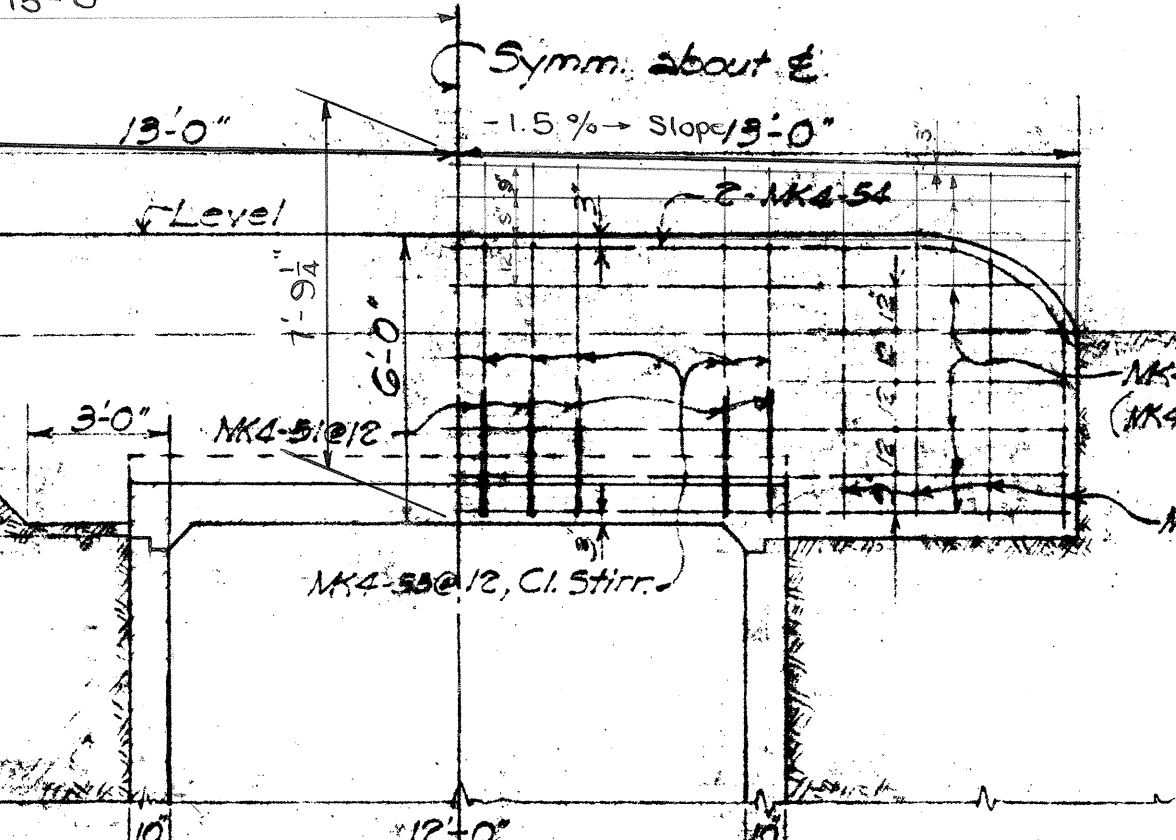
SECTION 'A-A'
1/2" = 1'-0"



SECTION 'C-C'
1/2" = 1'-0"



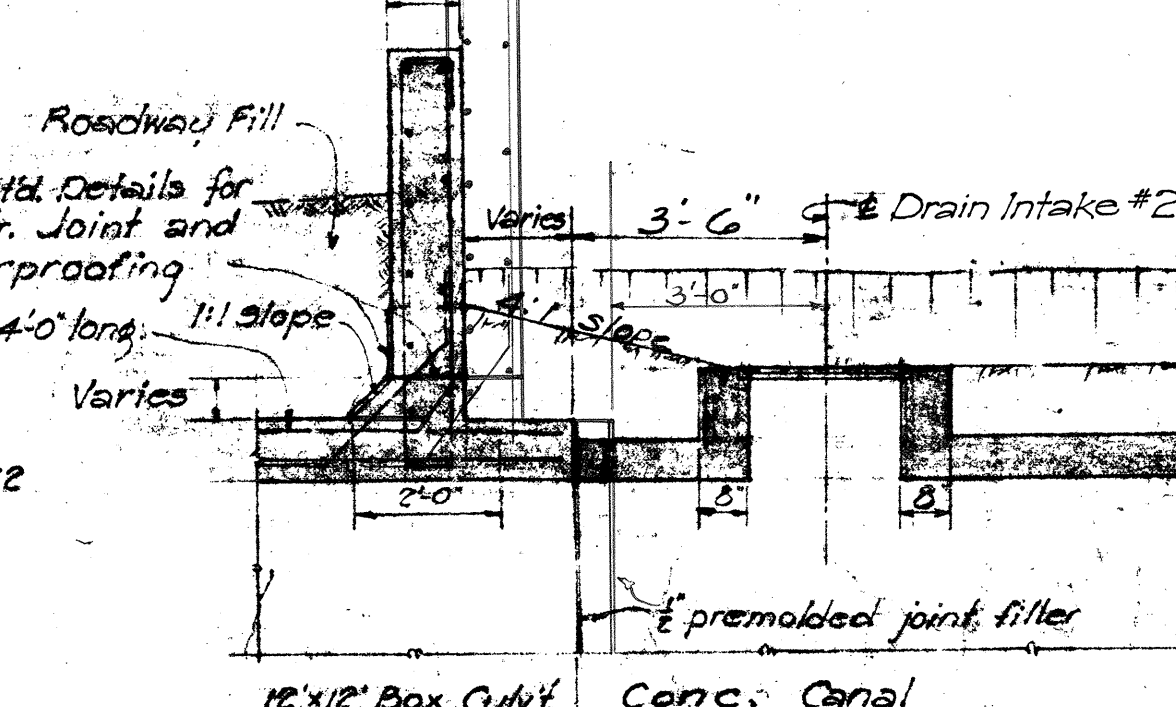
SECTION 'B-B'
1/2" = 1'-0"



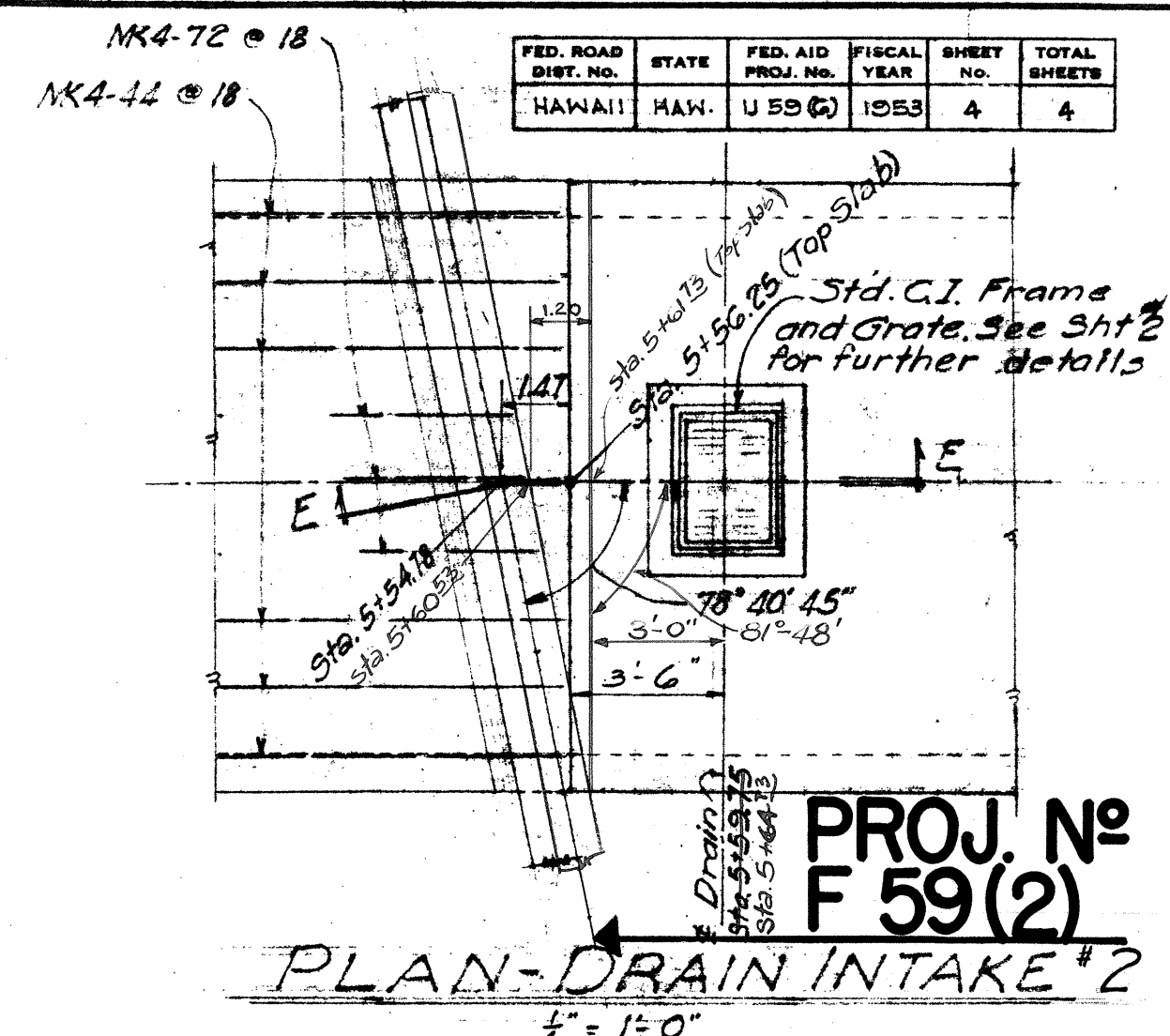
ELEV. ~ INLET H.W.
1/4" = 1'-0"

*NOTE: See Outlet Headwall for Sections.

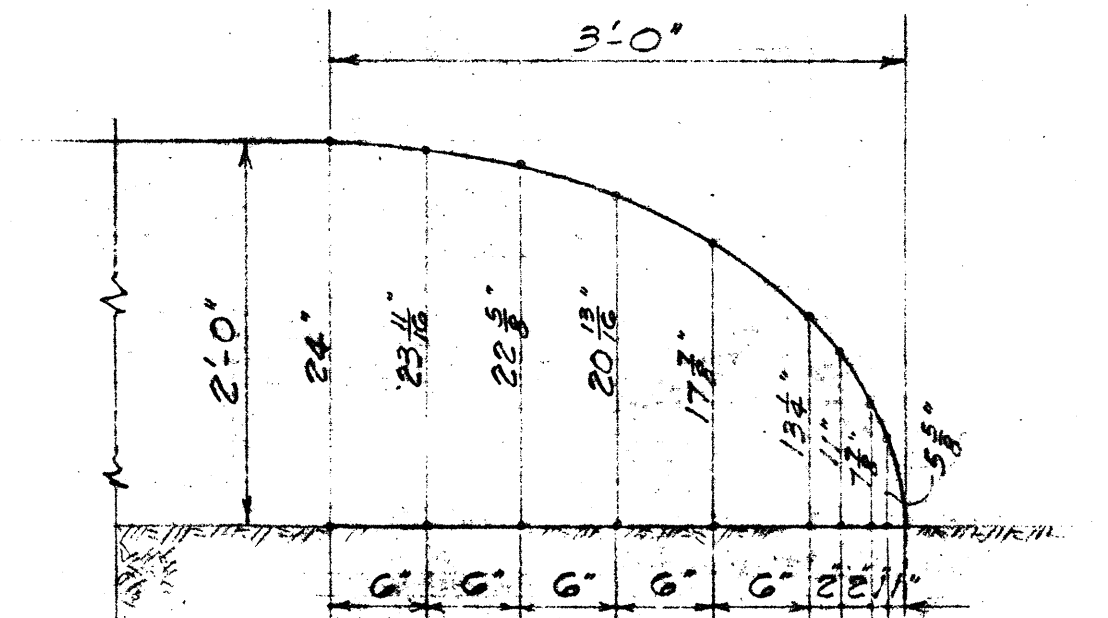
PROJ. N° F 59(2)



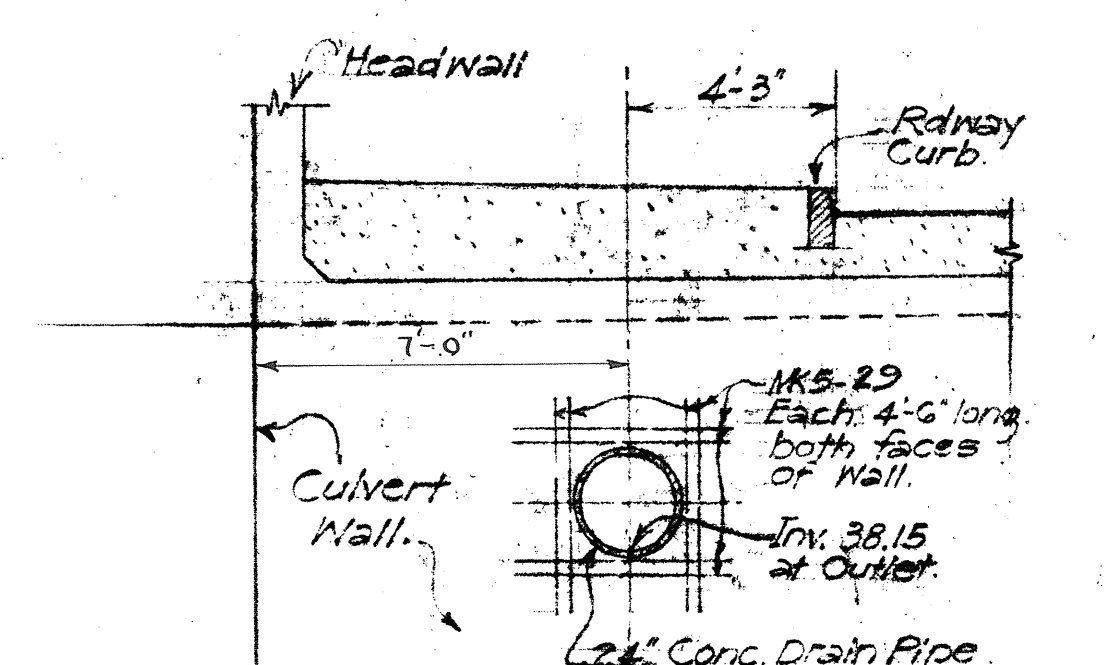
SECTION 'E-E'
3/8" = 1'-0"



PLAN-DRAIN INTAKE #2
1/4" = 1'-0"



ELLIPSE ORDINATES
1" = 1'-0"



ELEV. 'D-D'
1/4" = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
MAKIKI STREAM REALIGNMENT
12x12 CONCRETE BOX CULVERT
MAUKA ARTERIAL U-59(G) Unit 1
Feb. 1953

SHEET No. 1 OF 1 SHEETS

5637.4

DATE 4-53
DESIGNED BY A. KAMAHARA
DRAWN BY A. KAMAHARA
CHECKED BY P. Y.
NO.