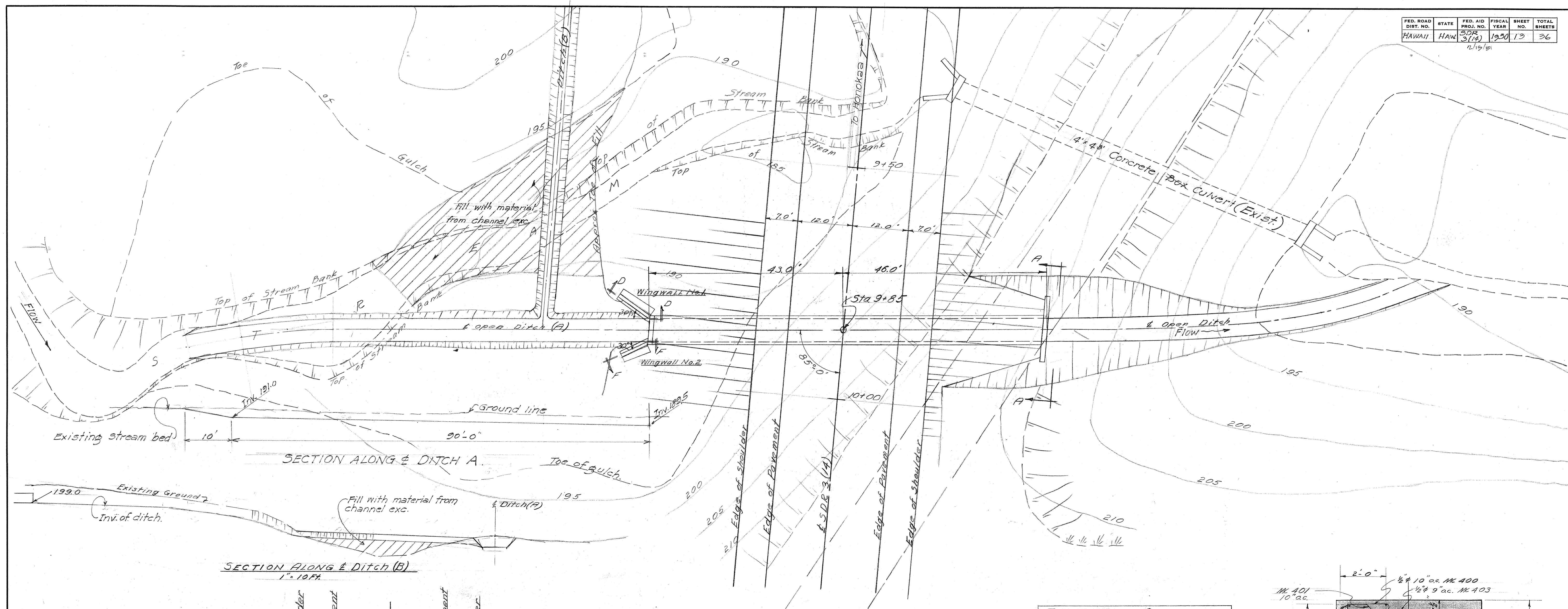
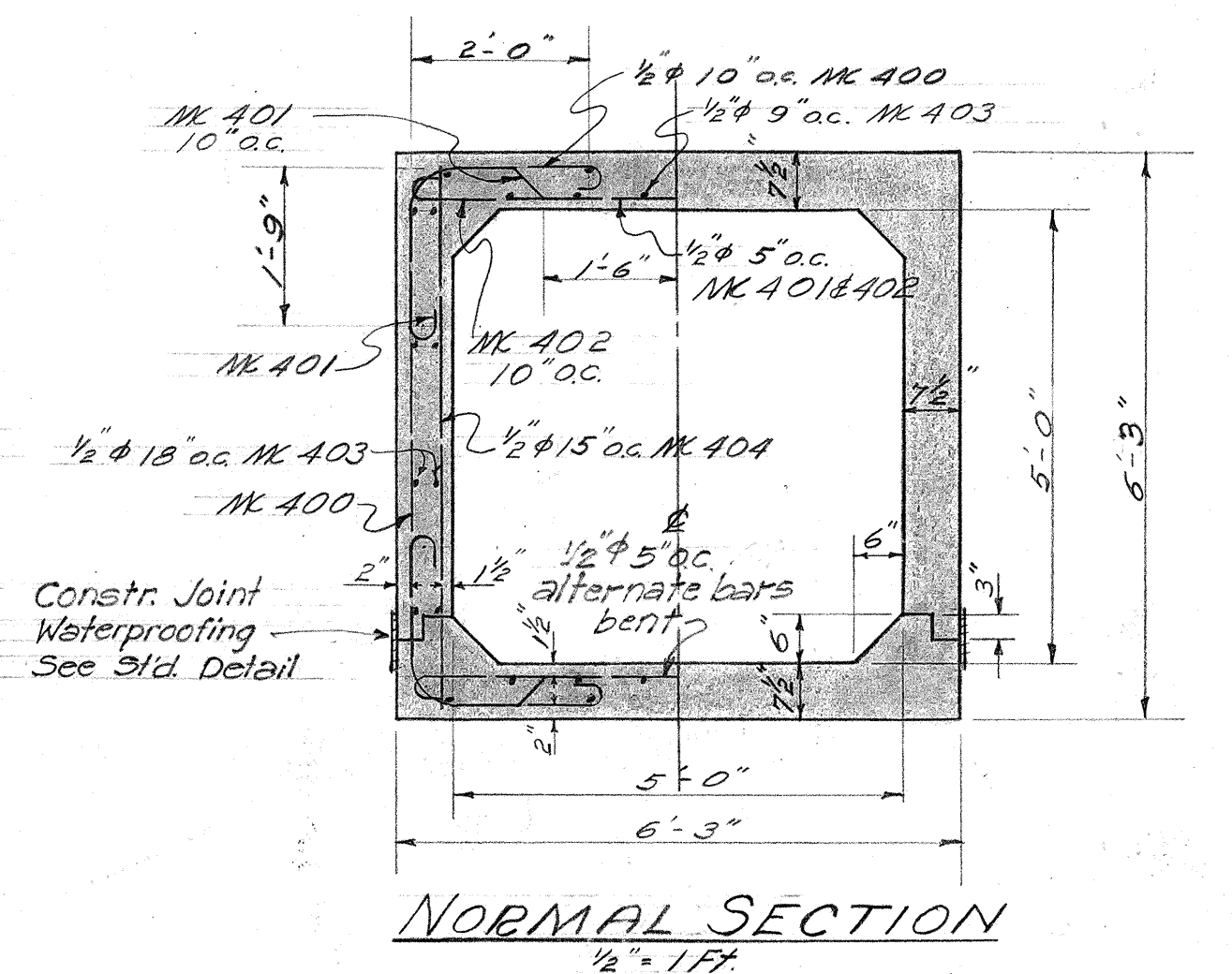


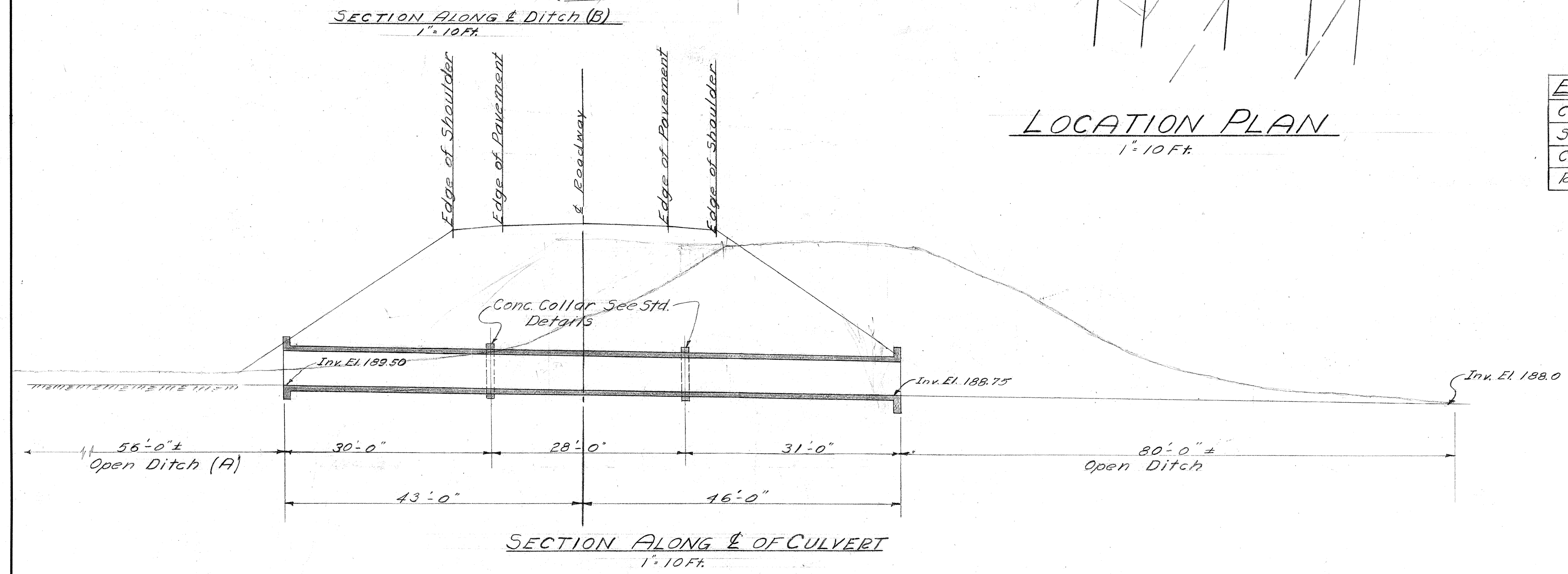


LOCATION PLAN
1"=10 FT.

ESTIMATED QUANTITIES	
Class A1 Conc.	57 cu. yds.
Structure Ex.	400
Channel Ex.	507 cu. yds.
Reinf. Steel.	7300 #

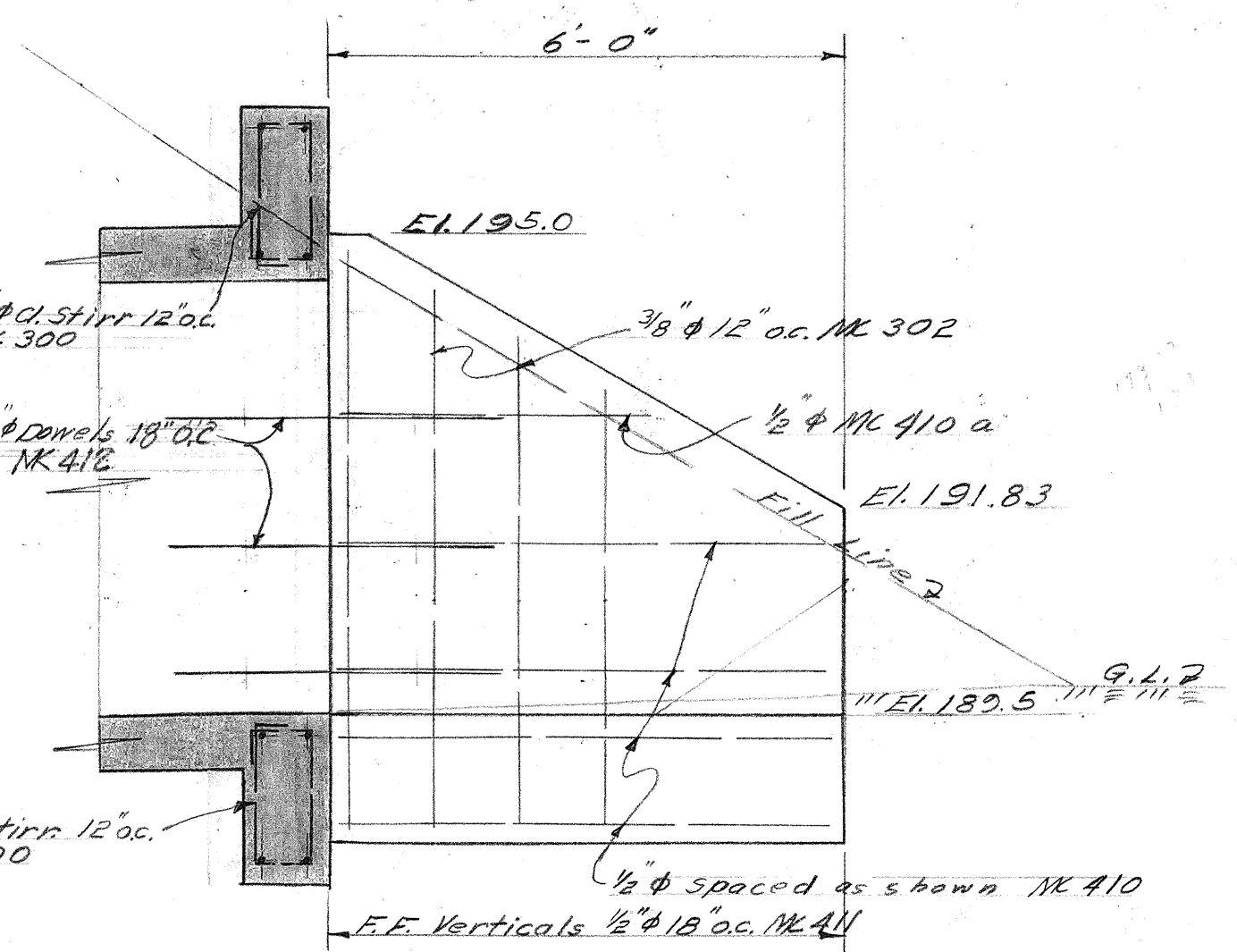
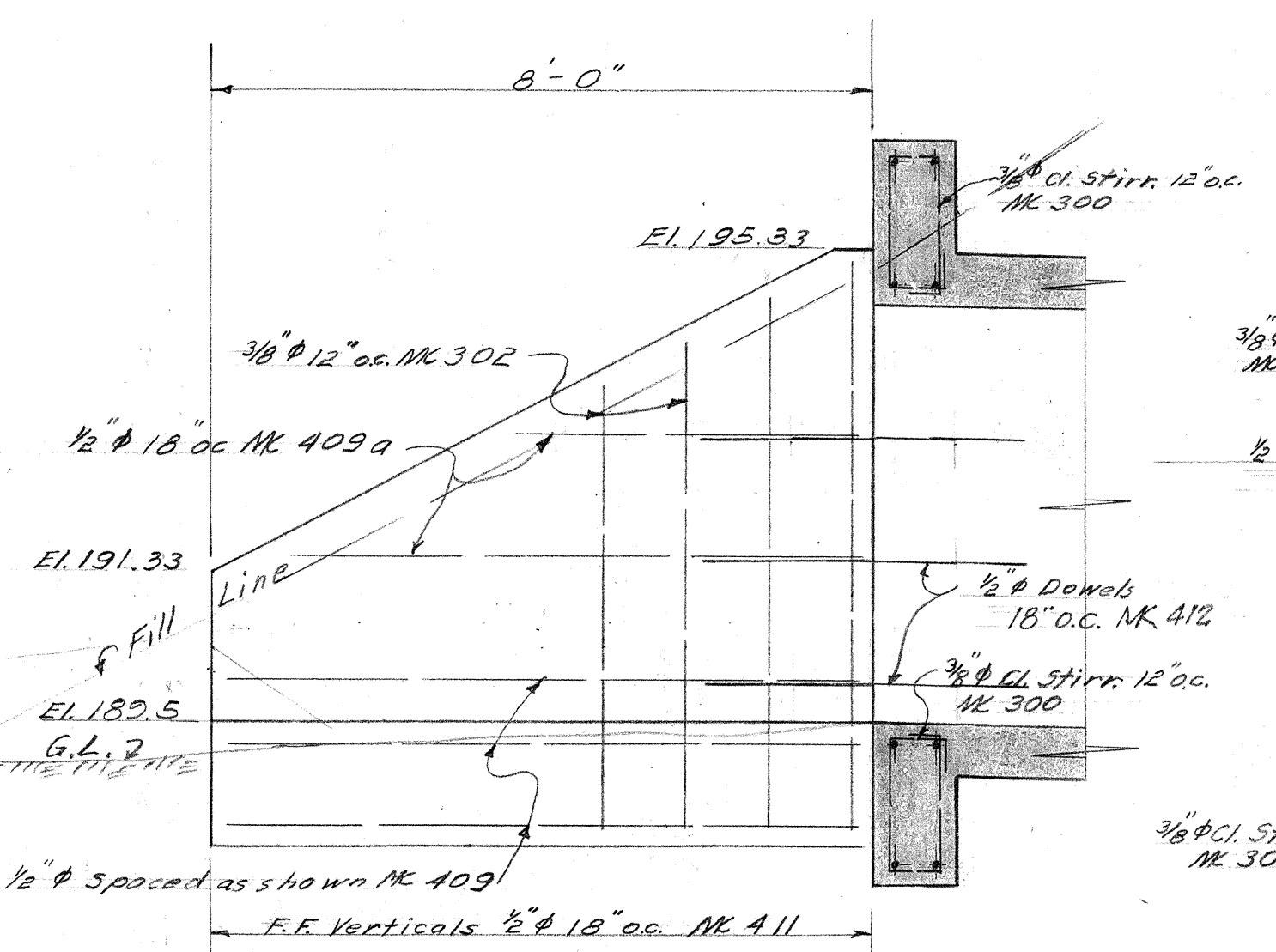
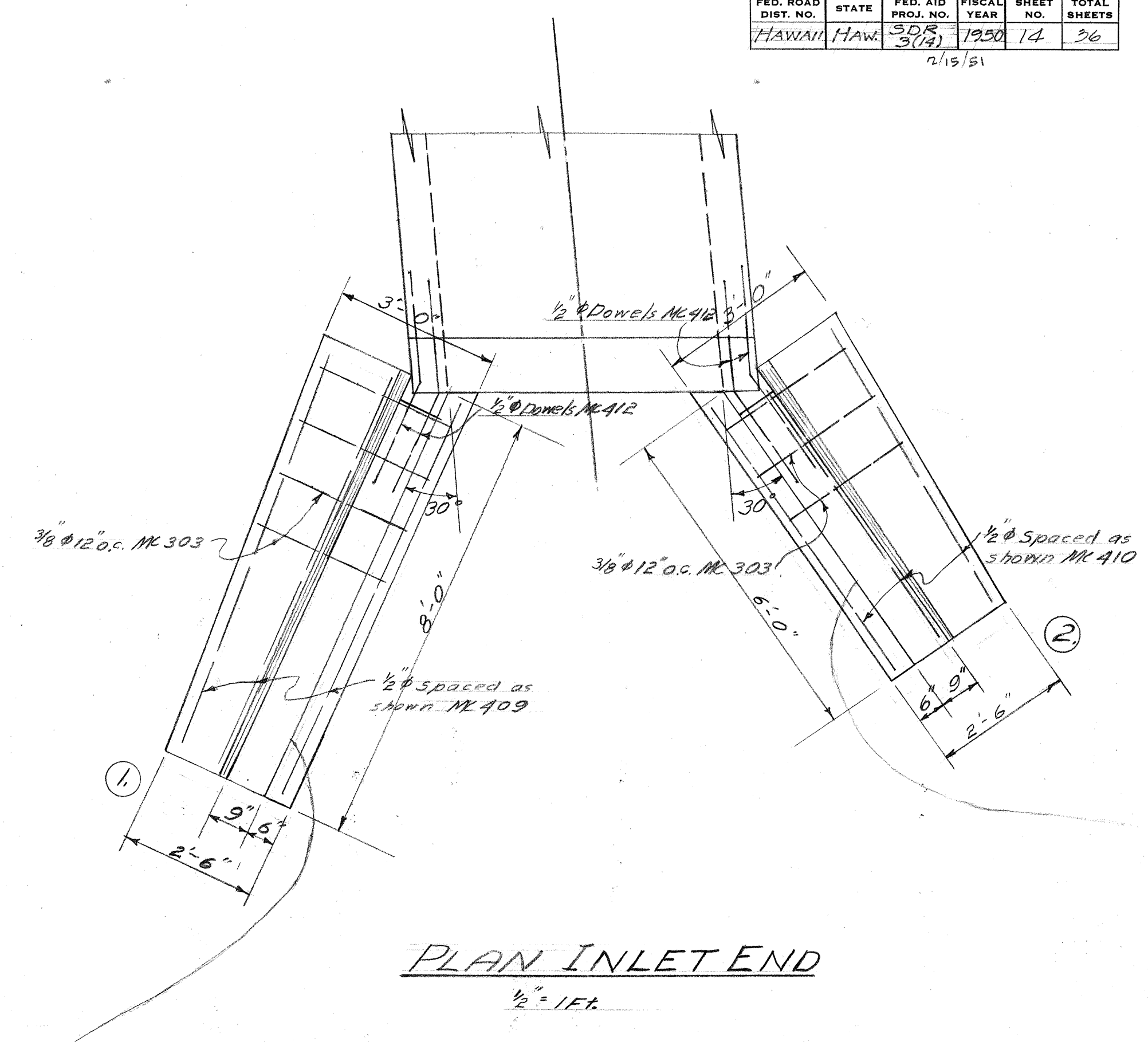
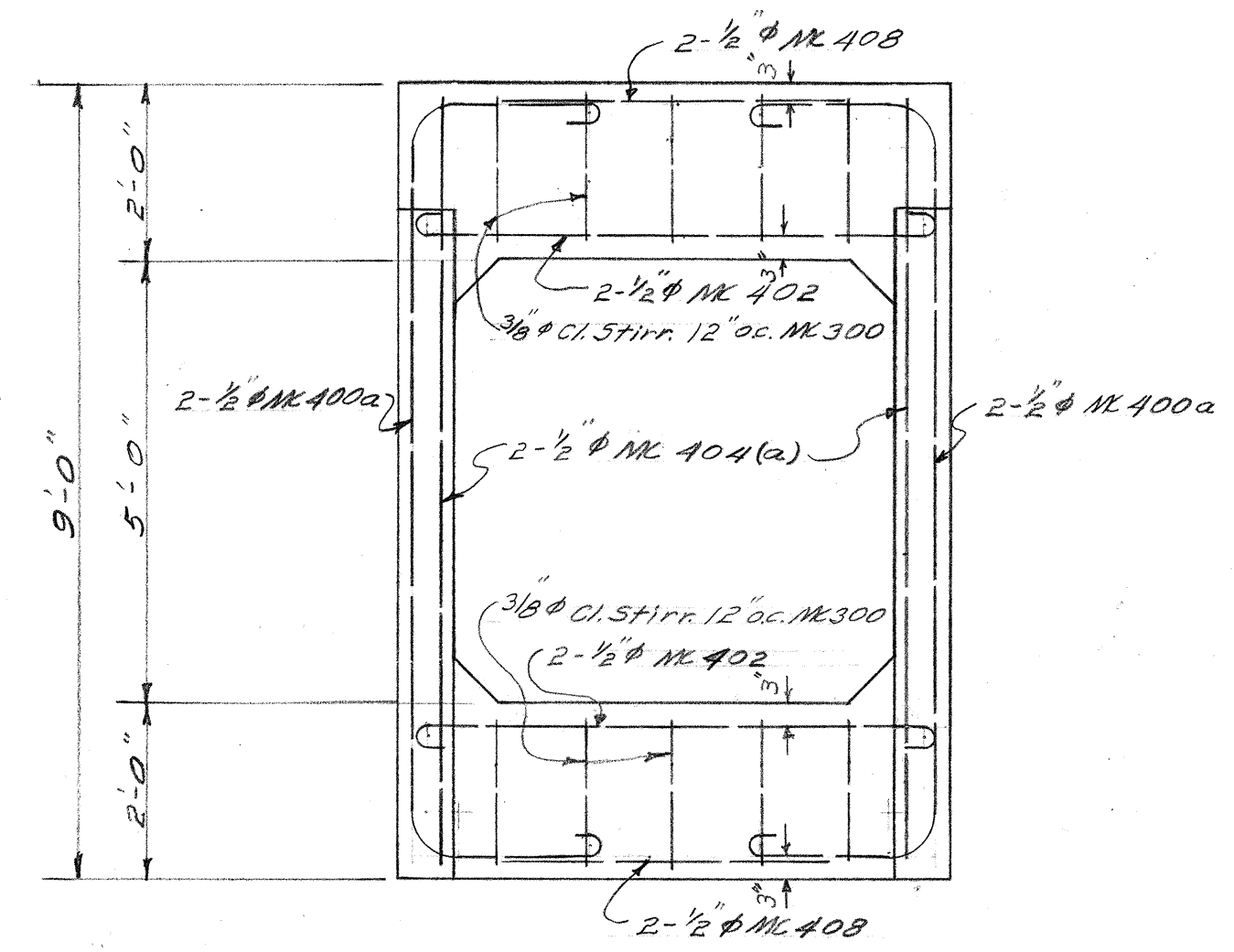
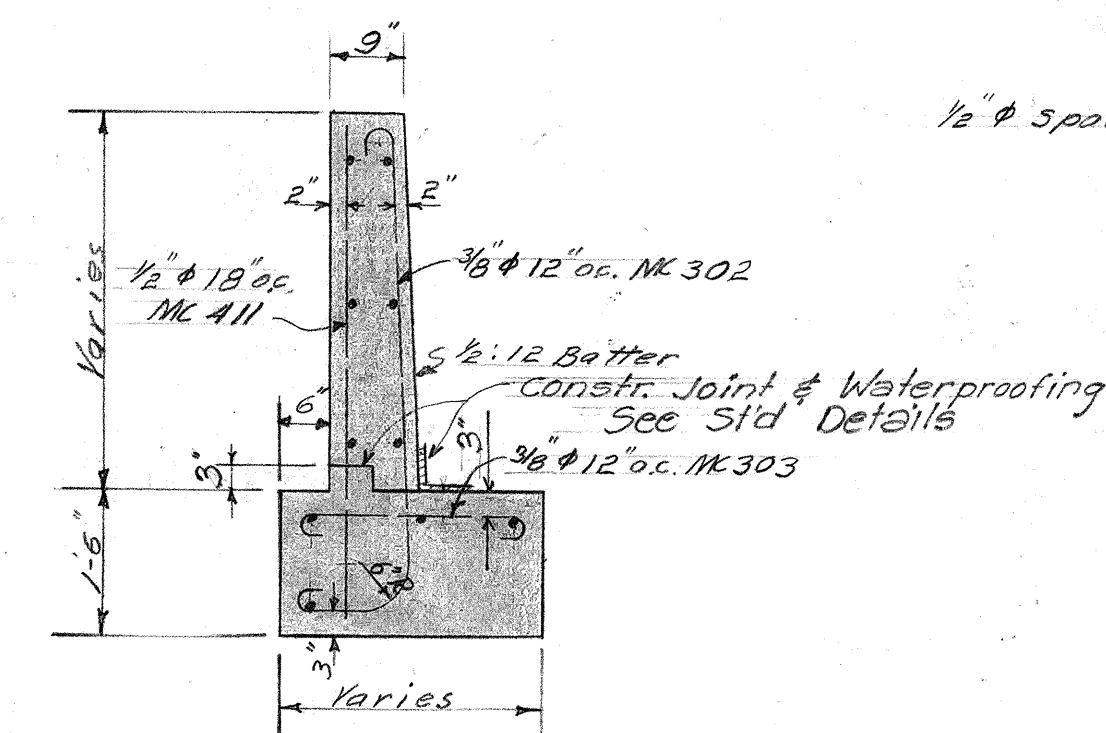
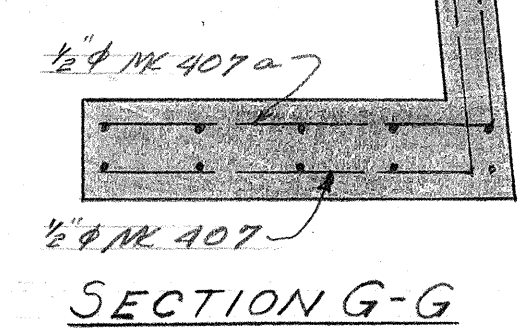
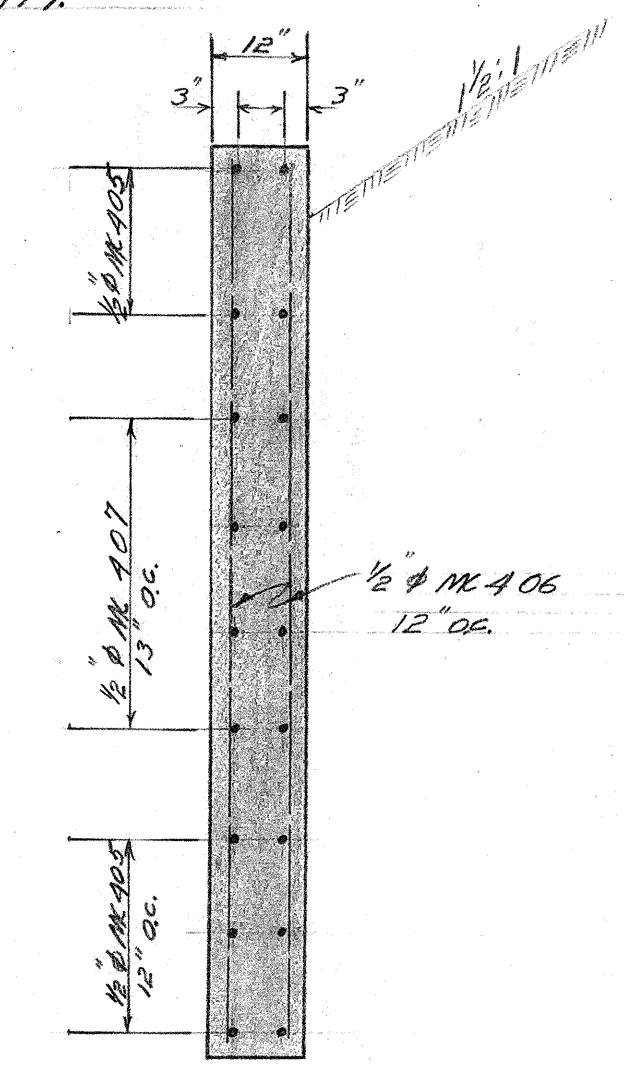
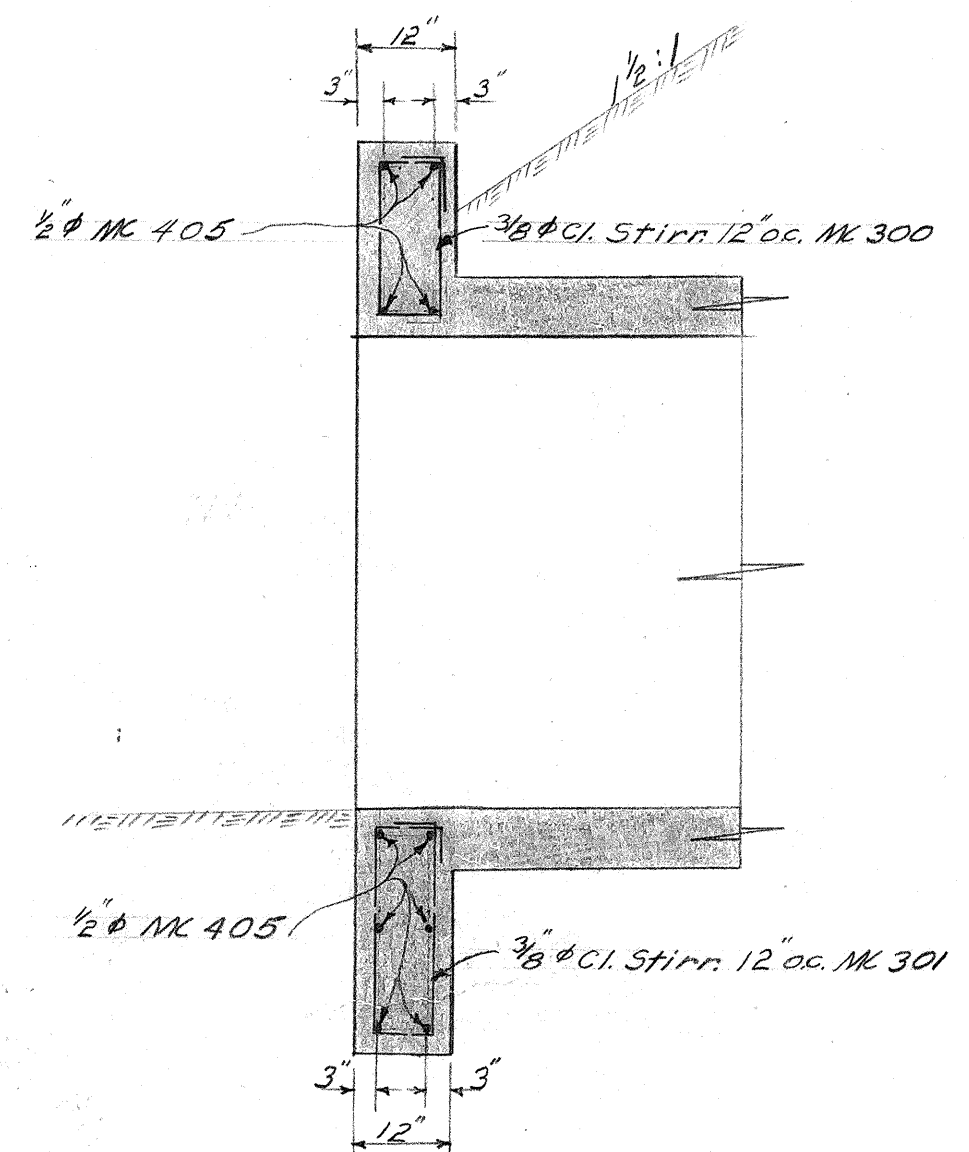
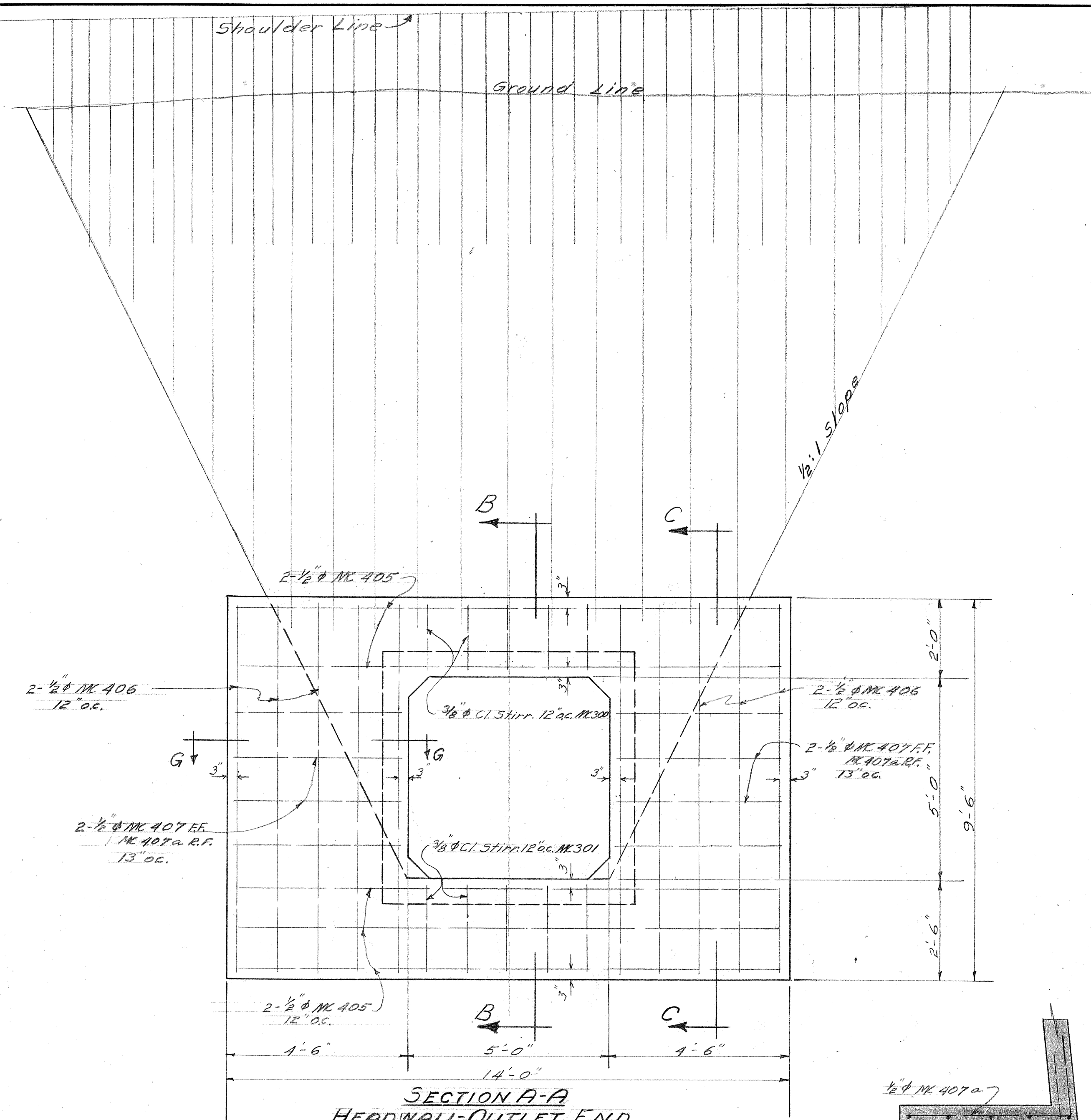


TERRITORIAL HIGHWAY DEPARTMENT
 TERRITORY OF HAWAII
5'x5' BOX CULVERT
 Sta. 9+85
 Hawaii Belt Road SDR 3(14)
 June 1950



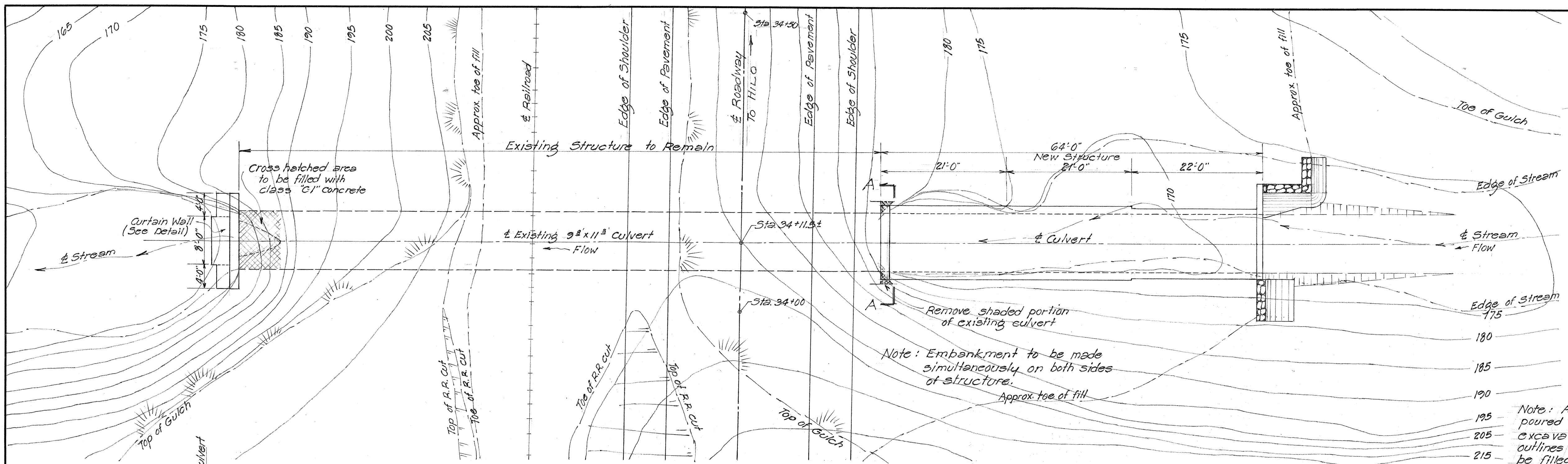
SURVEY PLOTTED BY: DATE: 6/30/50
 DESIGNED BY: W. B. Smith
 DRAWN BY: A. Van Der Horst
 CHECKED BY: J. L. Smith
 QUANTITIES CHECKED BY: A. Van Der Horst
 NOTE BOOK NO.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	308	1950	14	36
7/15/51					

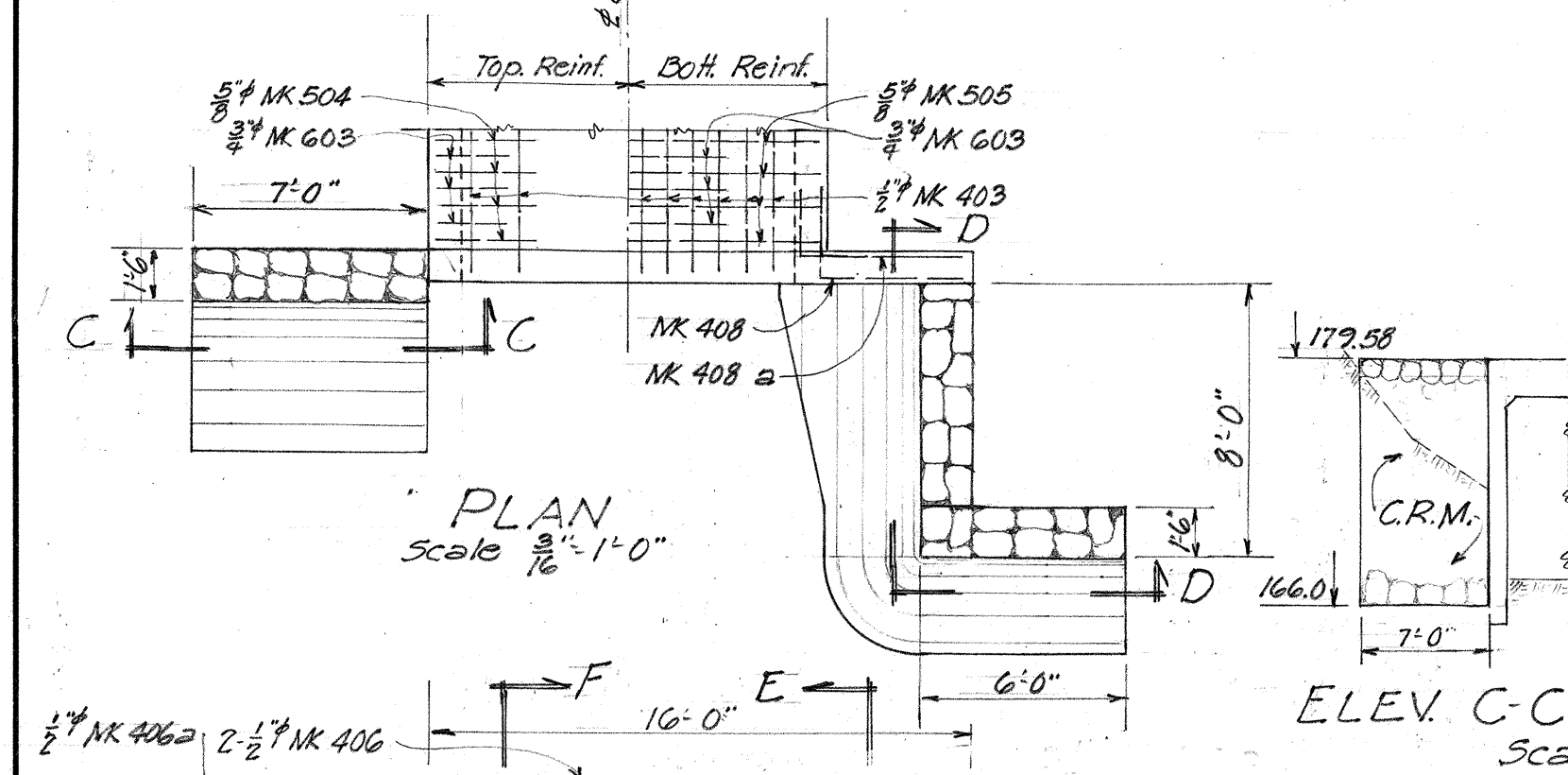


TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
5'x5' BOX CULVERT
Sta. 9+85
Hawaii Belt Road SDR 3(14)
June 1950
SHEET No. 2 OF 2 SHEETS

5472.14



LAYOUT PLAN
Scale 1"=10'-0"



PLAN
Scale 1/2"=1'-0"

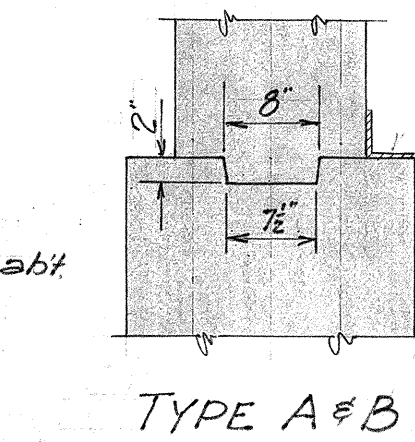
ELEV. C-C
Scale 1"=10'-0"

ELEV. D-D
Scale 1"=10'-0"

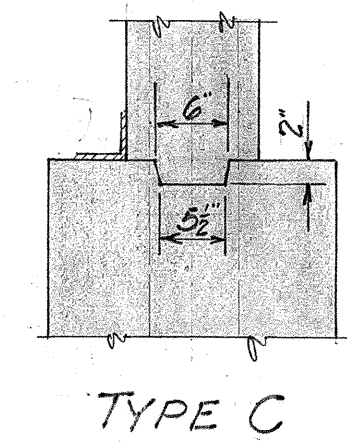
TYPICAL SEC.
Scale 1"=10'-0"

NK	500	502	504
a	13'-4"	12'-10"	12'-3"
b	9'-2"	9'-2"	9'-2"
c	3'-6"	3'-6"	2'-6"
L	17'-7 1/2"	17'-1 1/2"	15'-6"

NK	601	603	700
a	3'-0"	2'-6"	3'-6"
b	9'-2"	9'-2"	9'-2"
c	1'-4 3/8"	1'-6 3/8"	10'-8"
d	1'-2 1/2"	11'-3"	2'-5 3/8"
e	2'-11"	2'-11"	2'-11"
f	1'-3 3/8"	8'-4"	1'-9 1/2"
L	19'-9"	17'-6"	21'-2"

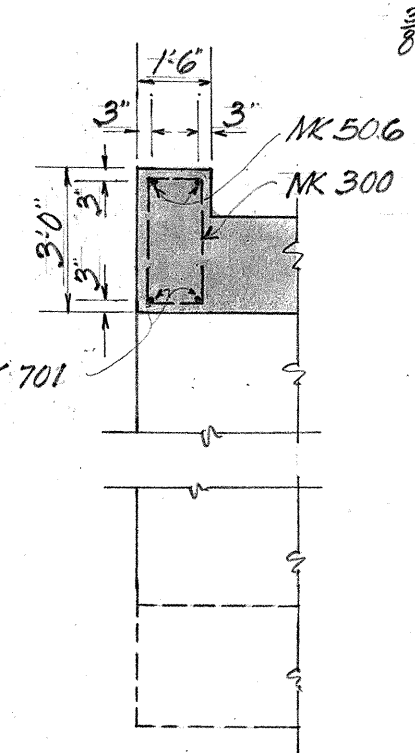


TYPE A & B

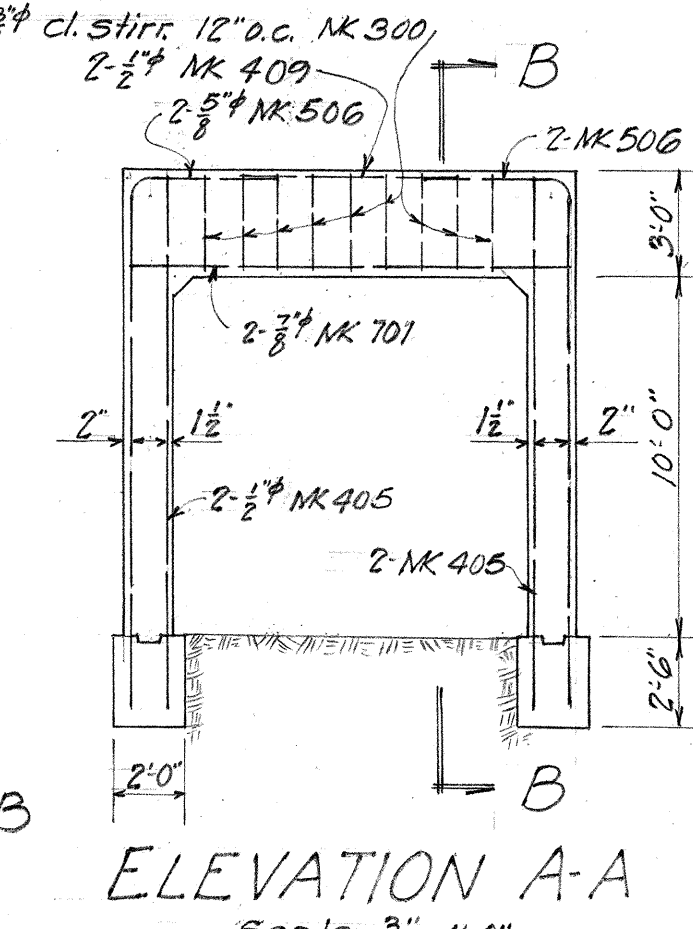


TYPE C

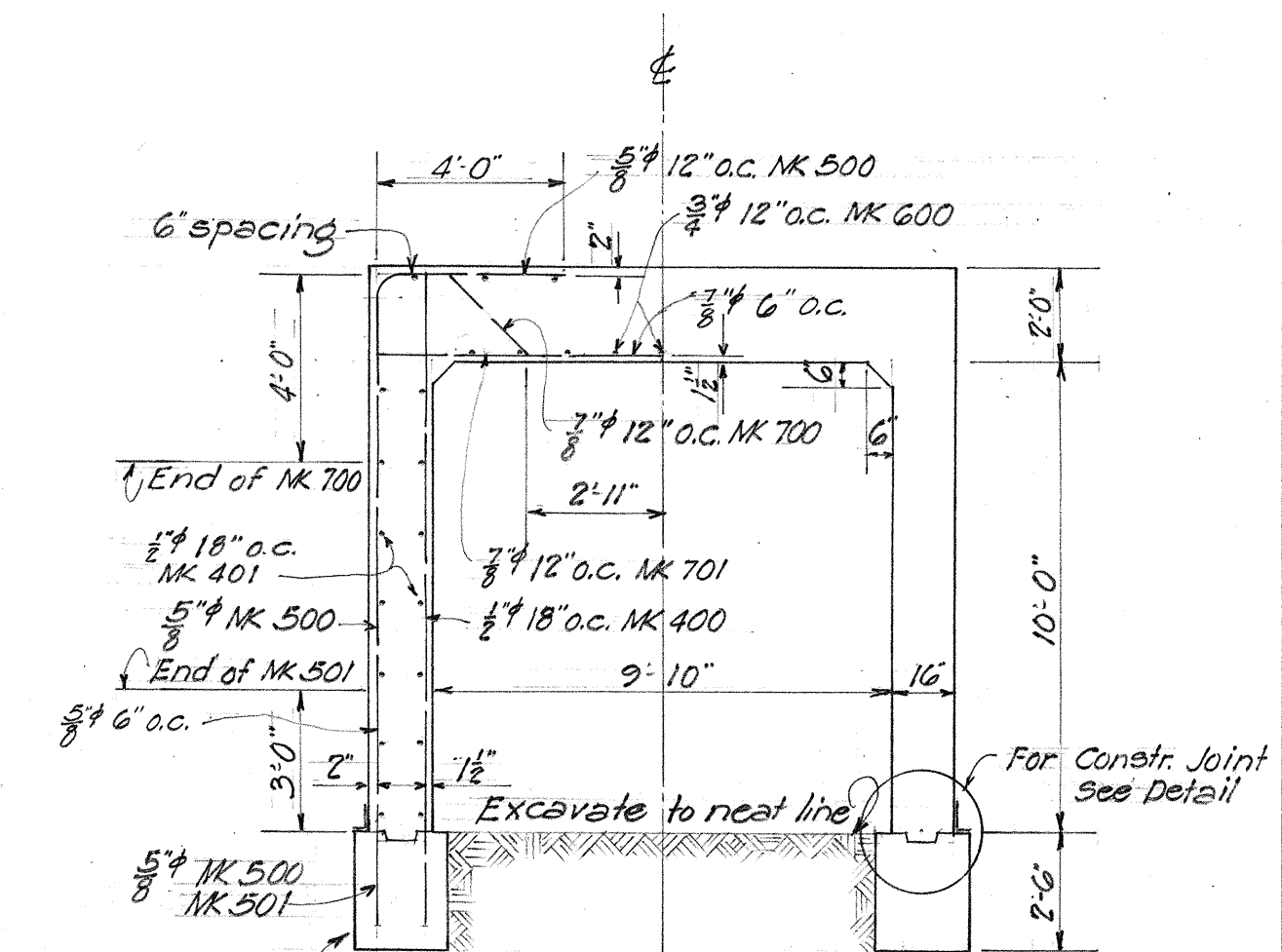
CONSTRUCTION JOINT
Scale 3/4"=1'-0"



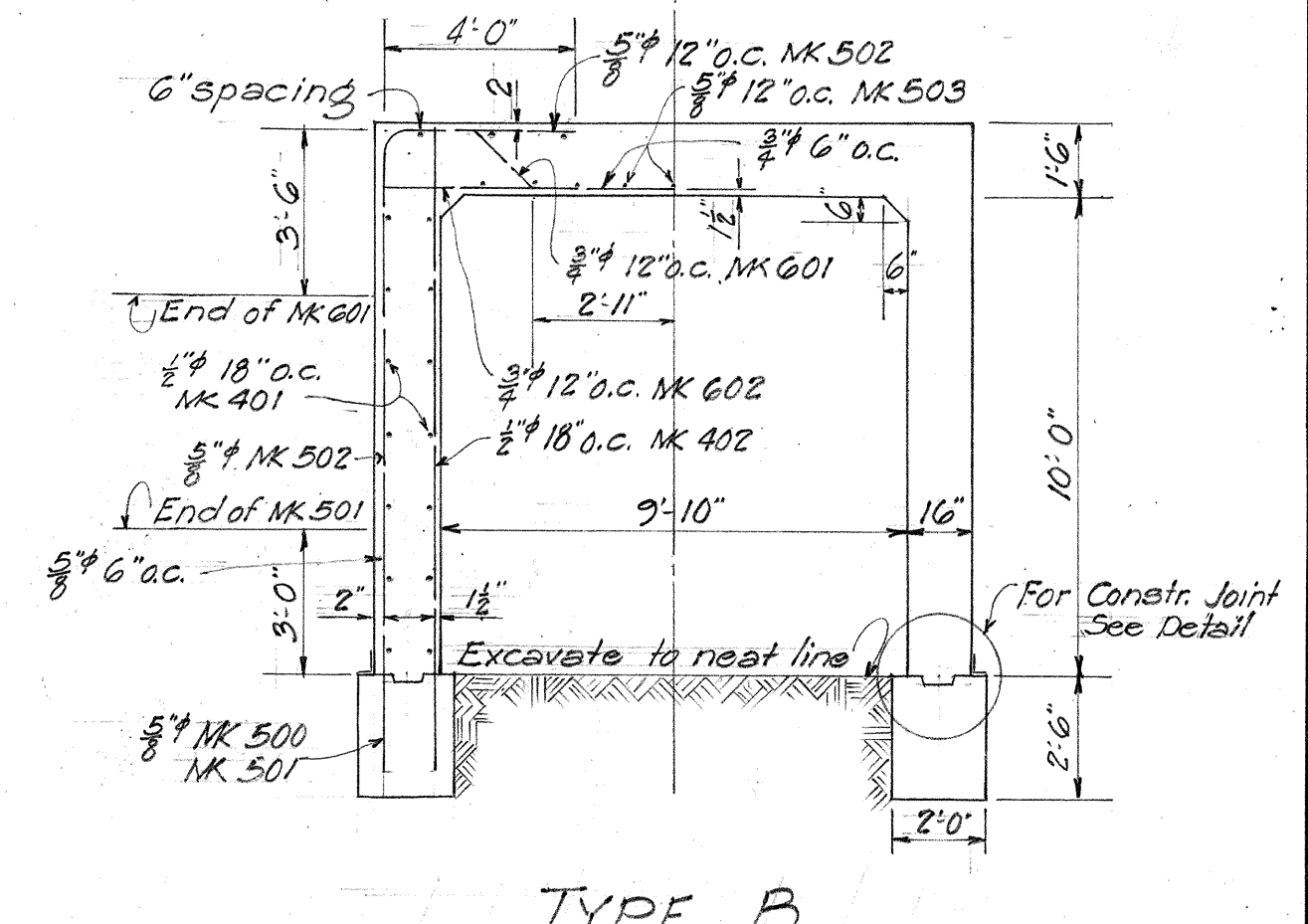
SECTION B-B
Scale 1/4"=1'-0"



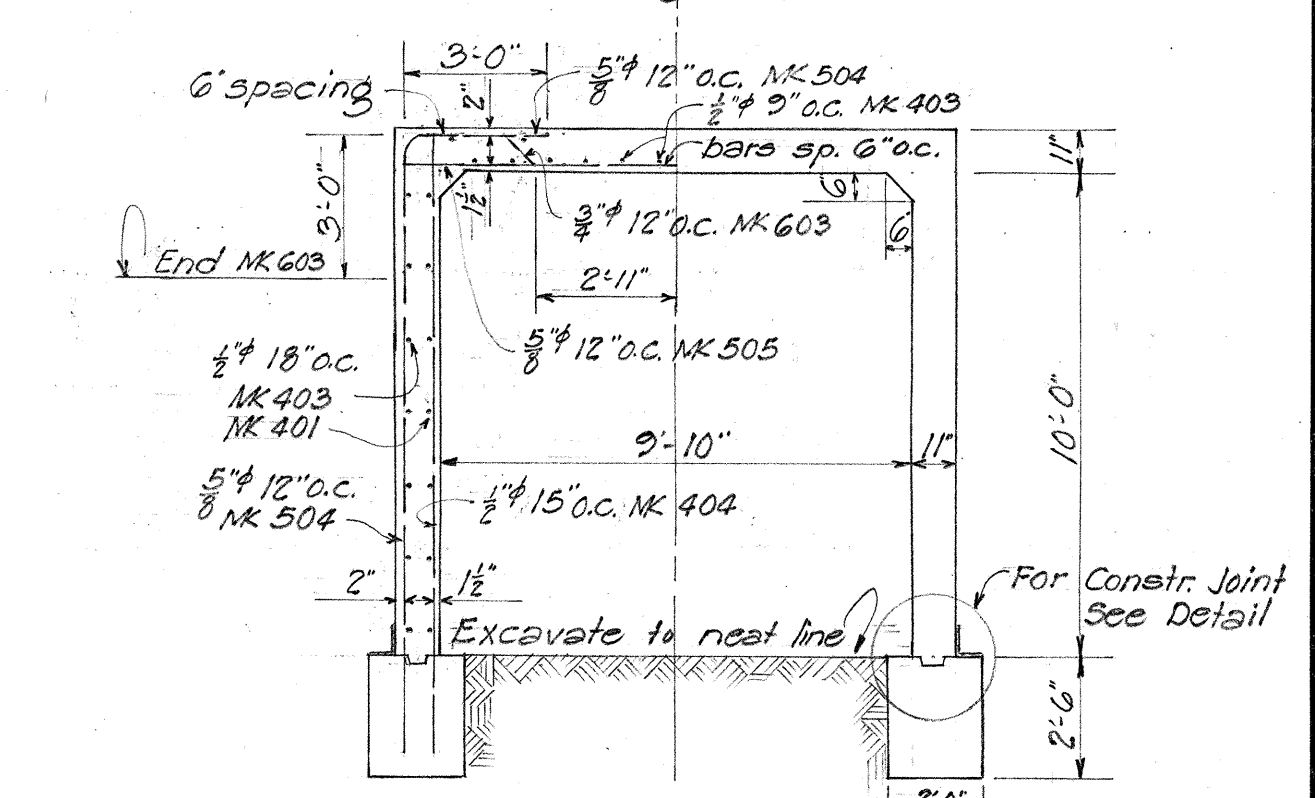
ELEVATION A-A
Scale 3/8"=1'-0"



TYPE A
Scale 1/4"=1'-0"

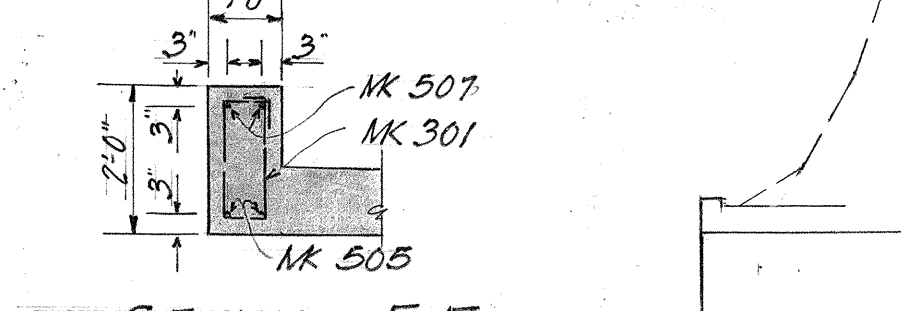


TYPE B
Scale 1/4"=1'-0"

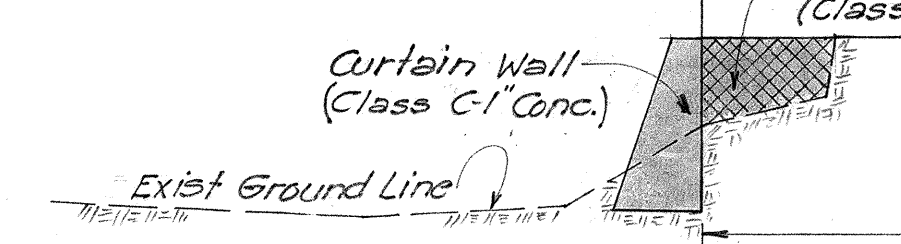


TYPE C
Scale 1/4"=1'-0"

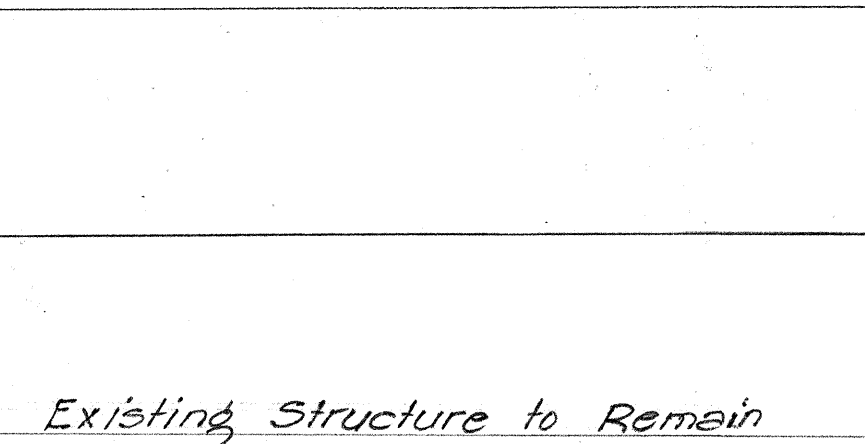
SEC. E-E
Scale 1/2"=1'-0"



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



ELEVATION
CURTAIN WALL DETAIL
Scale 1"=10'-0"



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

Existing Structure to Remain

New Structure

ESTIMATED QUANTITIES
Reinf. Steel*-----9,304 lbs.
Concrete : Class "A-1"-----127.0 c.y.
Concrete : Class "C-1"-----21.4 c.y.
Structure Excavation-----137.0 c.y.
Cement Rubble Masonry-----28.5 c.y.
Channel Excavation-----35.0 c.y.

*Reinf. Steel - Intermediate grade,
A.S.T.M. Designation A305-49

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
EXTENSION OF EXISTING
9'8" x 11'3" CULVERT
Sta. 34+11.5±
HAWAII BELT ROAD July 1950 SDR 3(14)

SHEET NO. 1 OF 1 SHEETS

5472.15