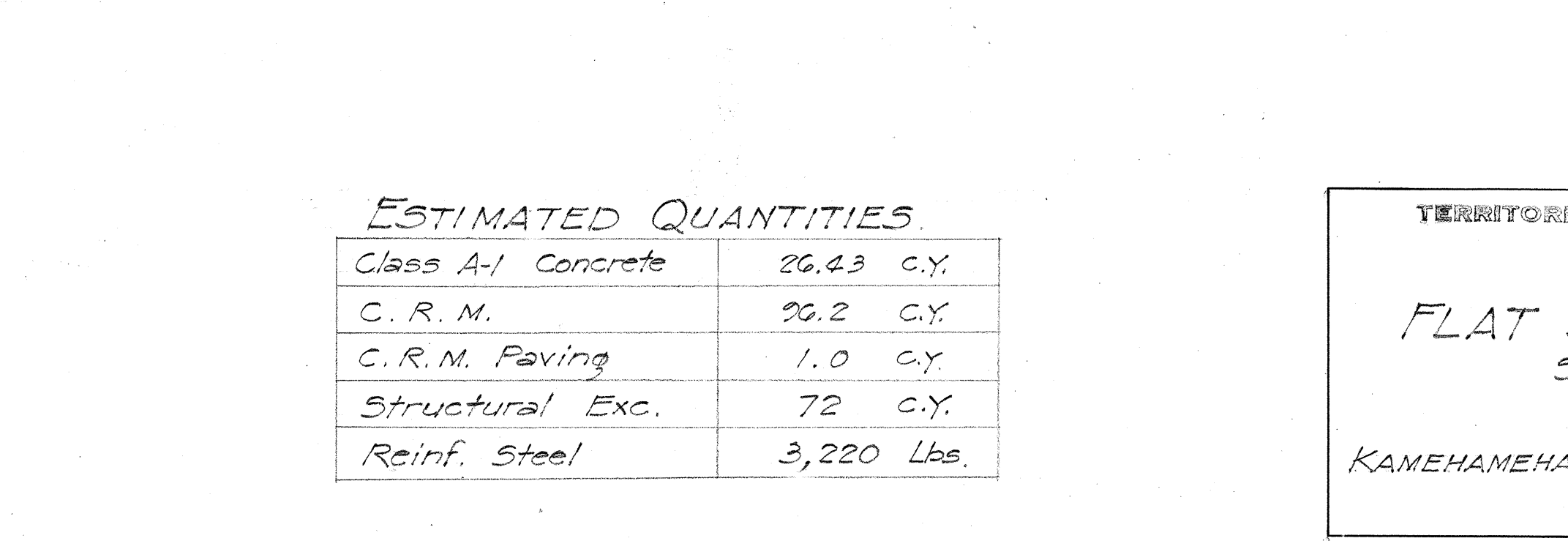
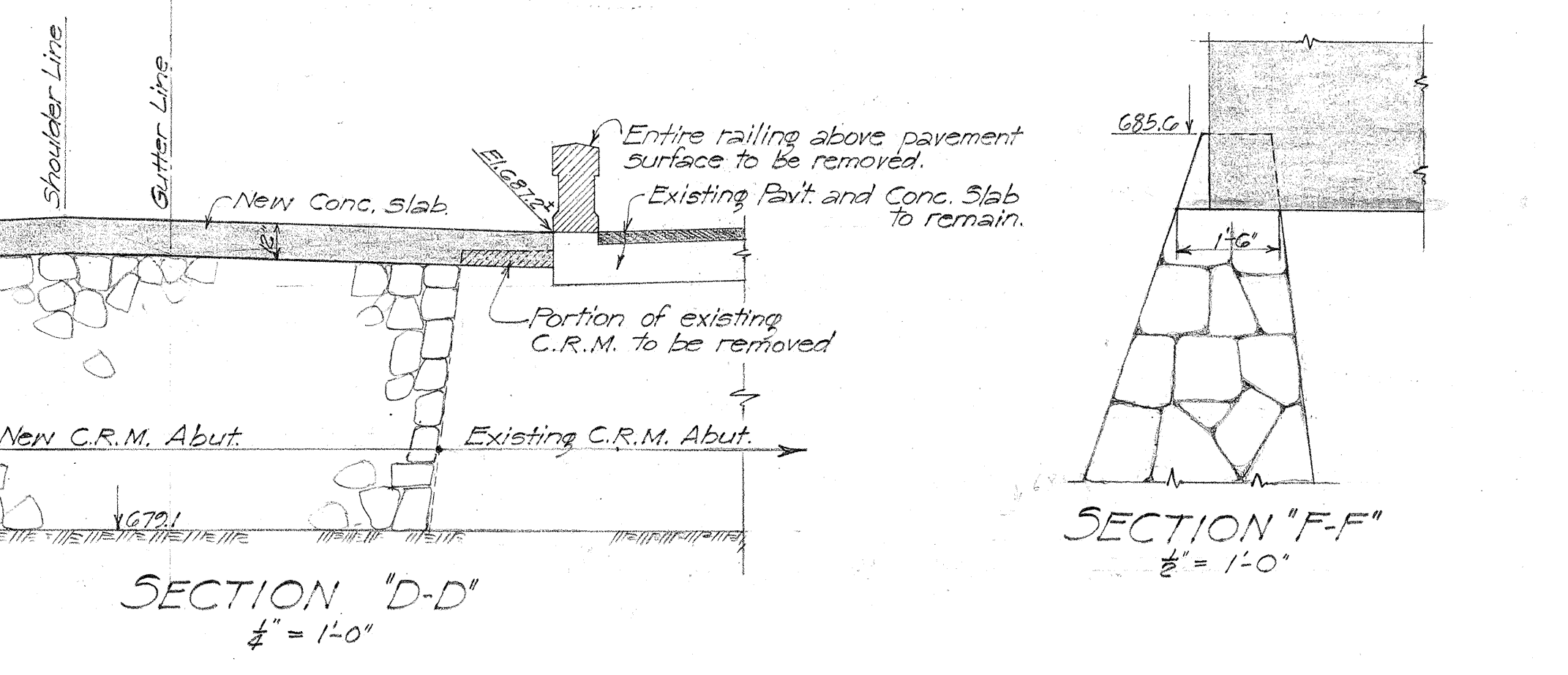
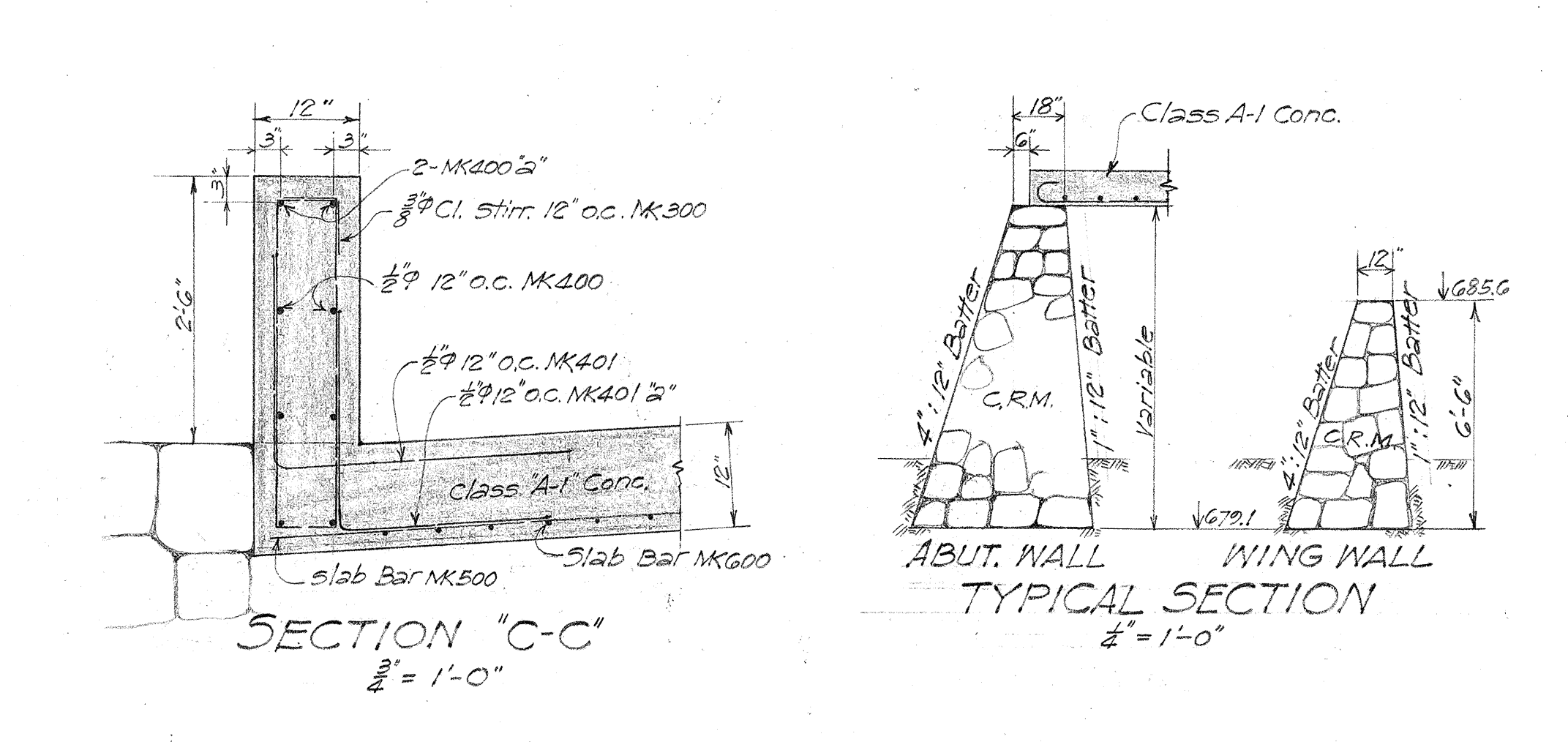
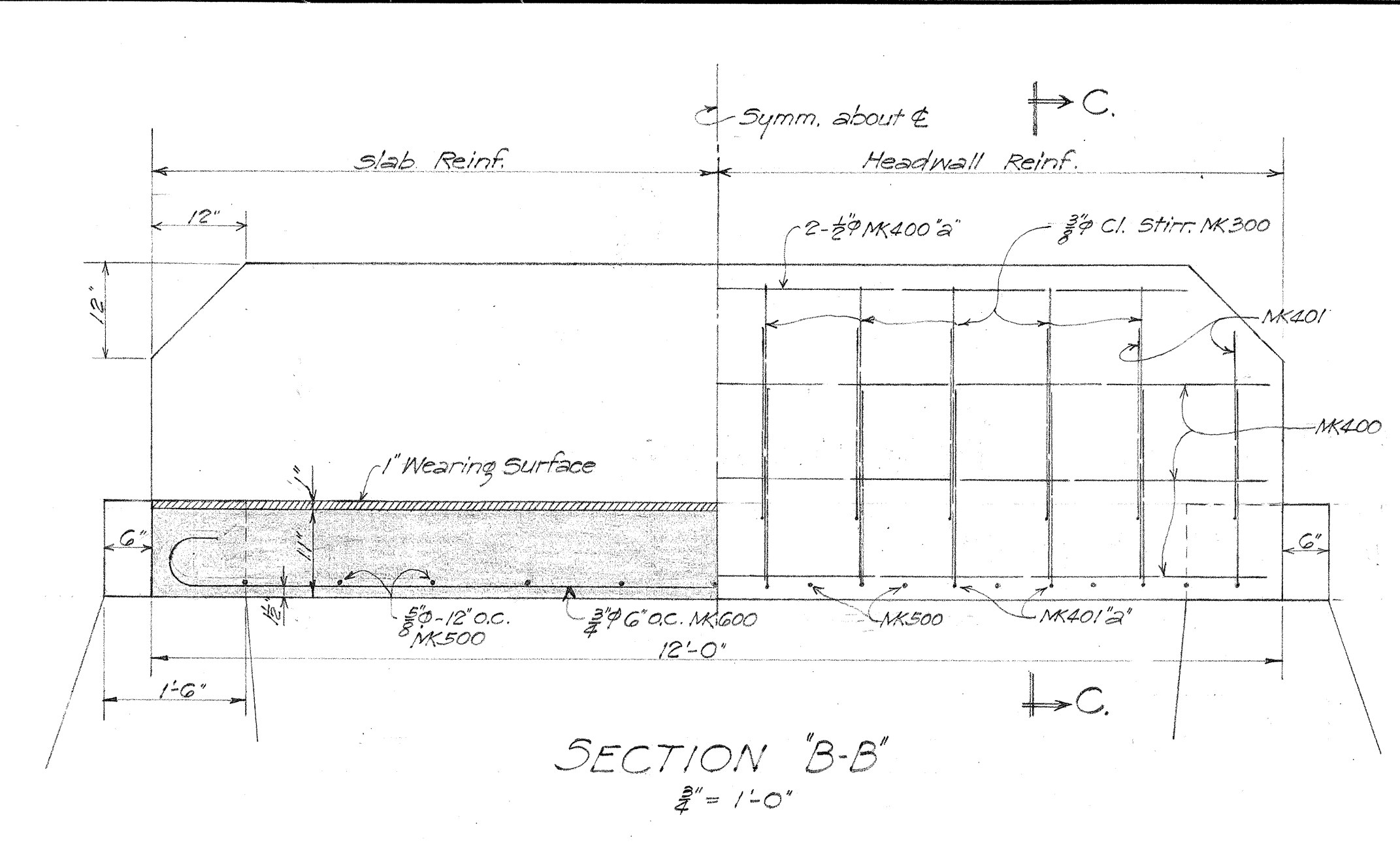
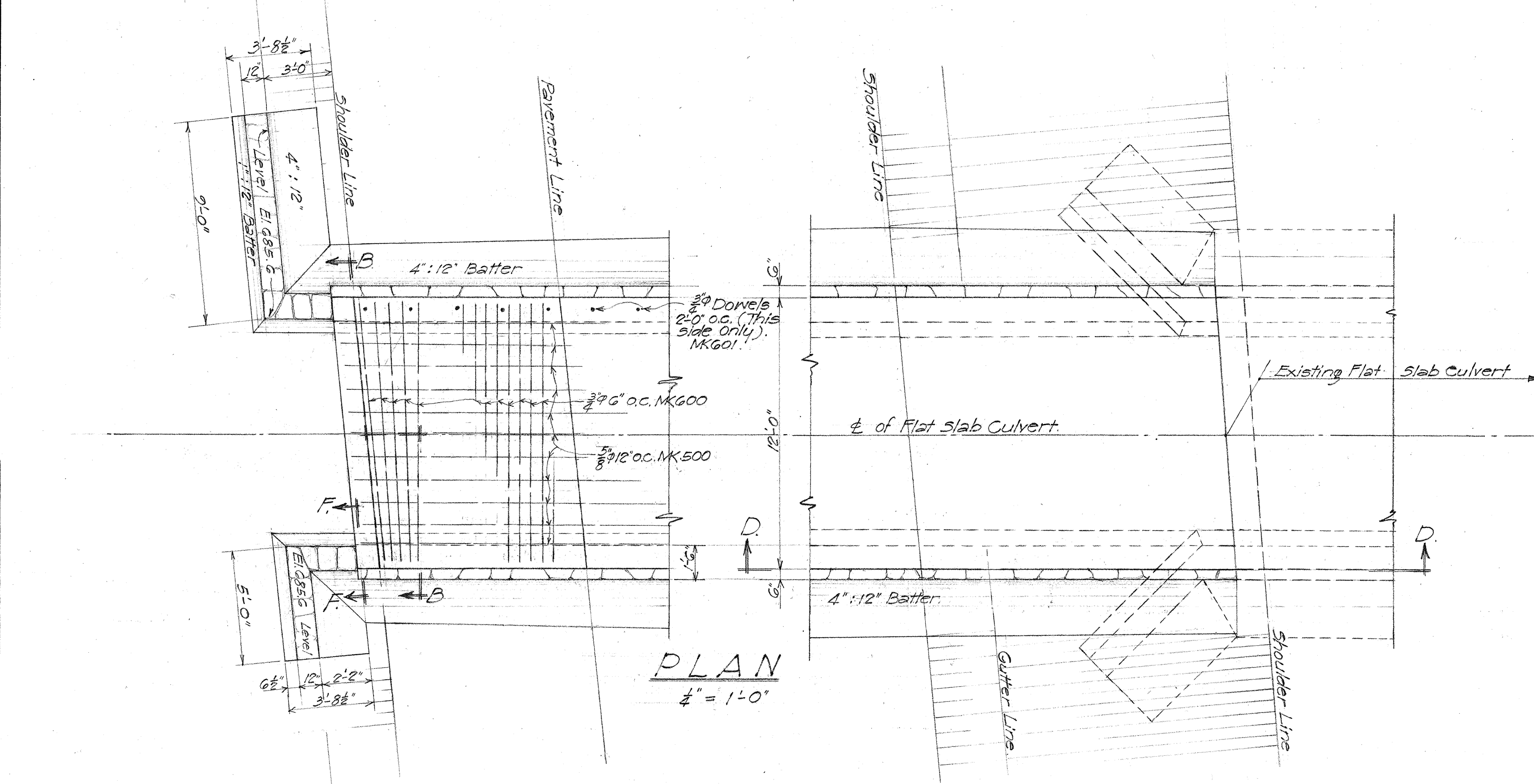
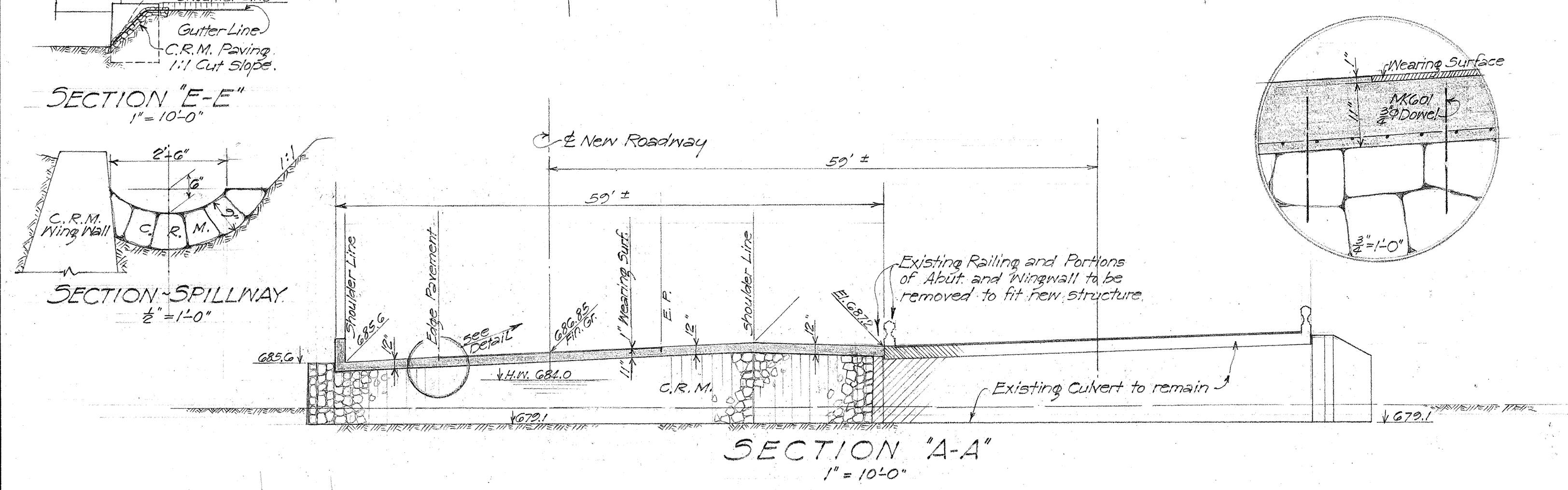
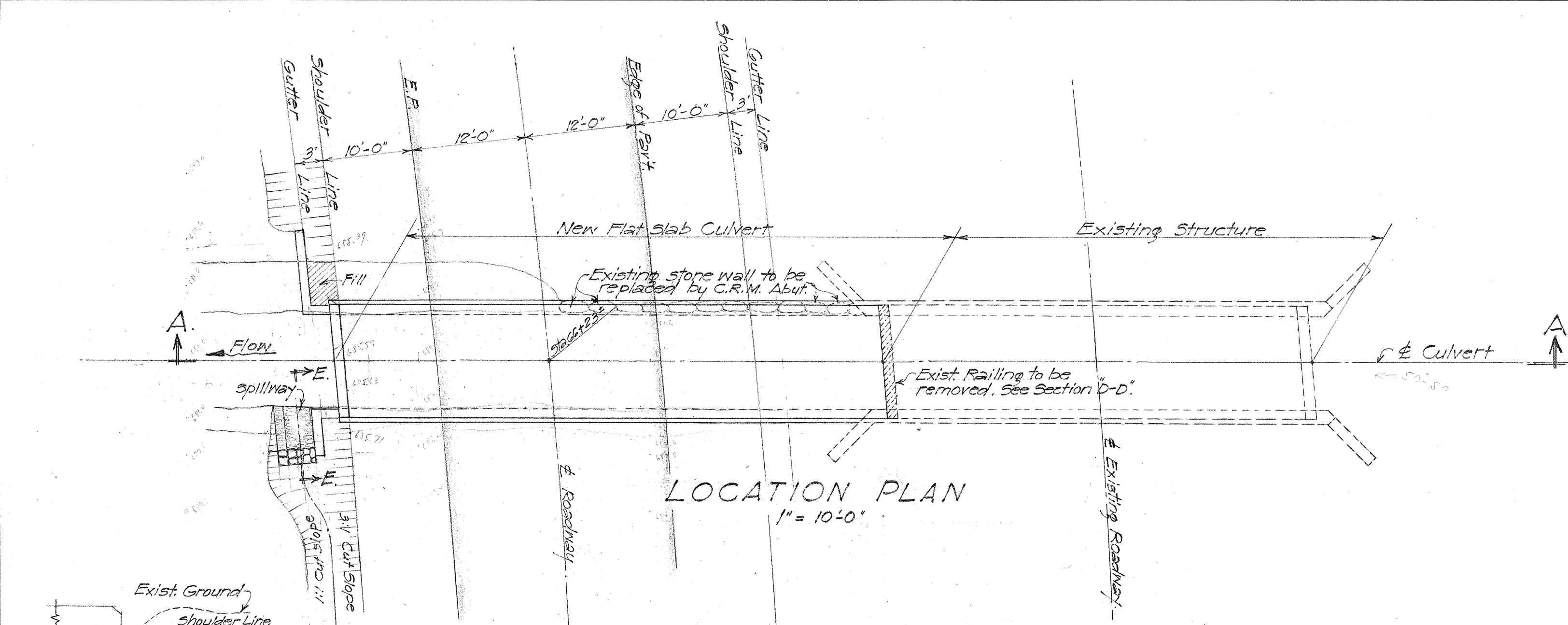


PRO. ROAD DIST. NO.	STAYS	PRO. AID PROJ. NO.	FIGURAL TAG	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	SN-100	PA-120	22	70



ESTIMATED QUANTITIES.

Class A-1 Concrete	26.43 C.Y.
C. R. M.	20.2 C.Y.
C. R. M. Paving	1.0 C.Y.
Structural Exc.	72 C.Y.
Reinf. Steel	3,220 Lbs.

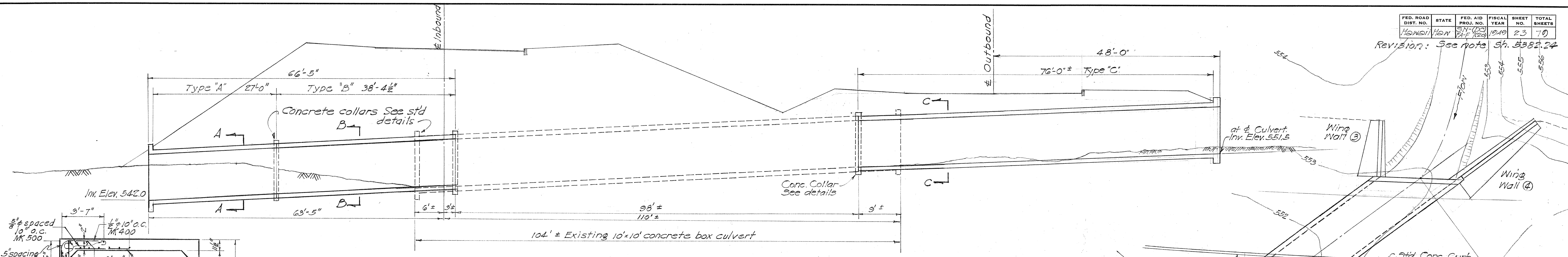
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

FLAT SLAB CULVERT
Sta. 66+23+

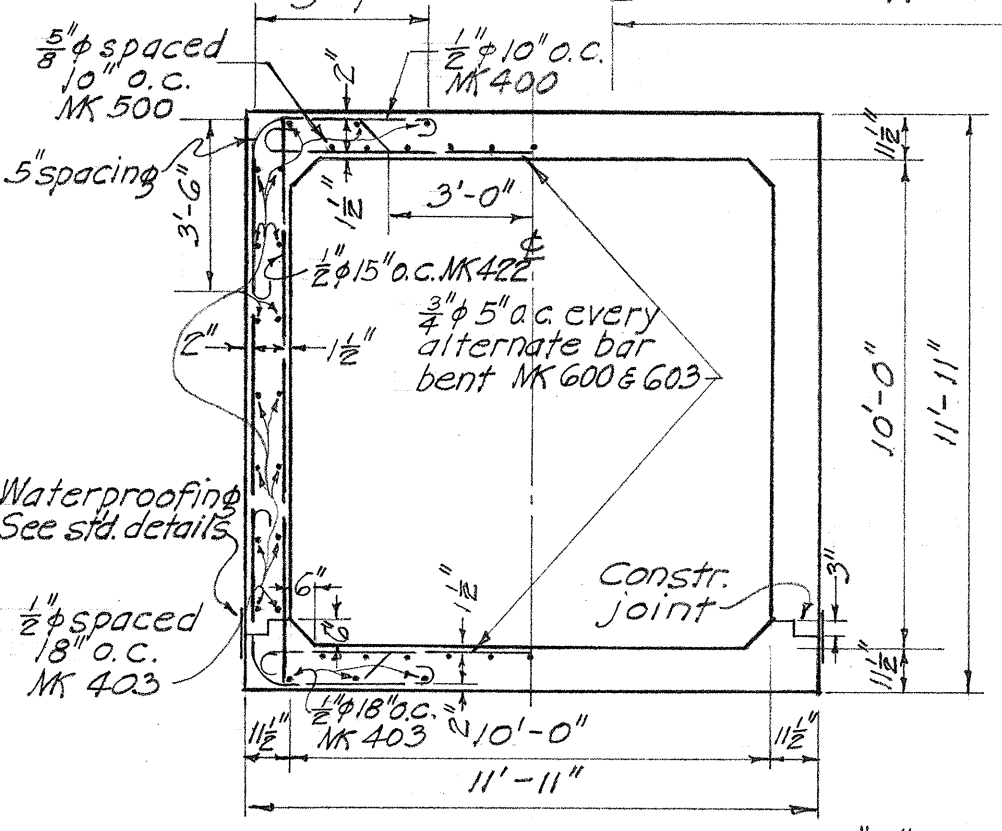
KAMEHAMEHA HWY. F 7 (20)
April, 1949.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
150N511	HI	571-023	1949	23	70

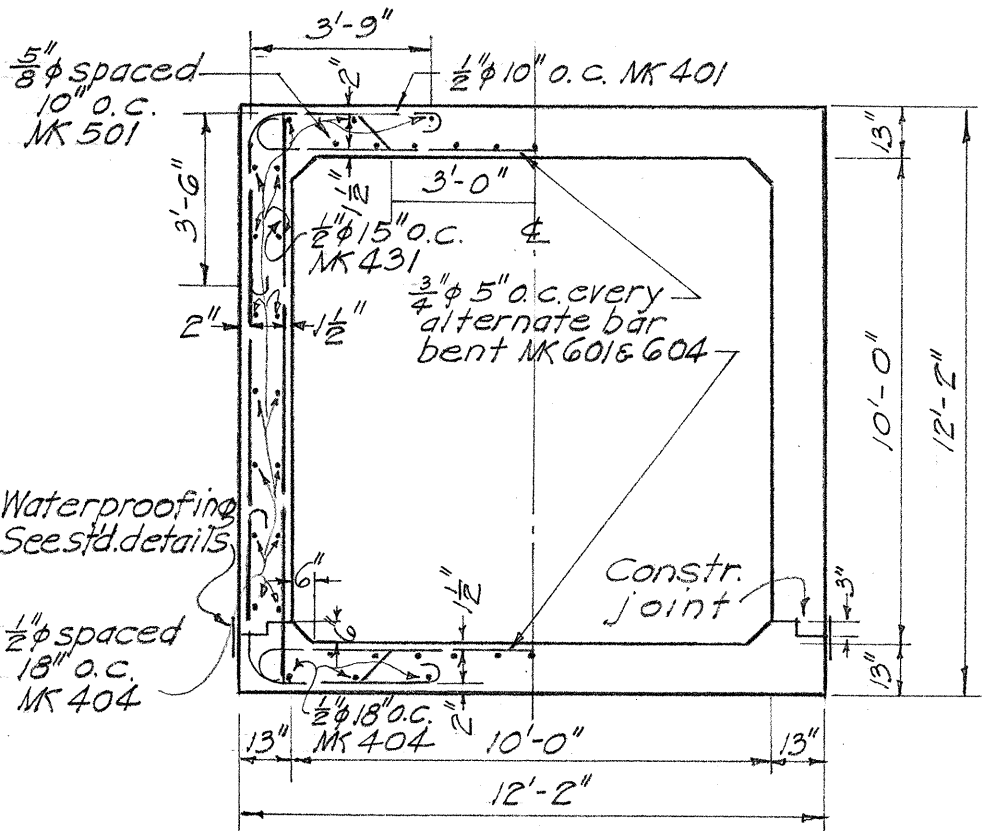
Revision: See note Sh. 5382.24



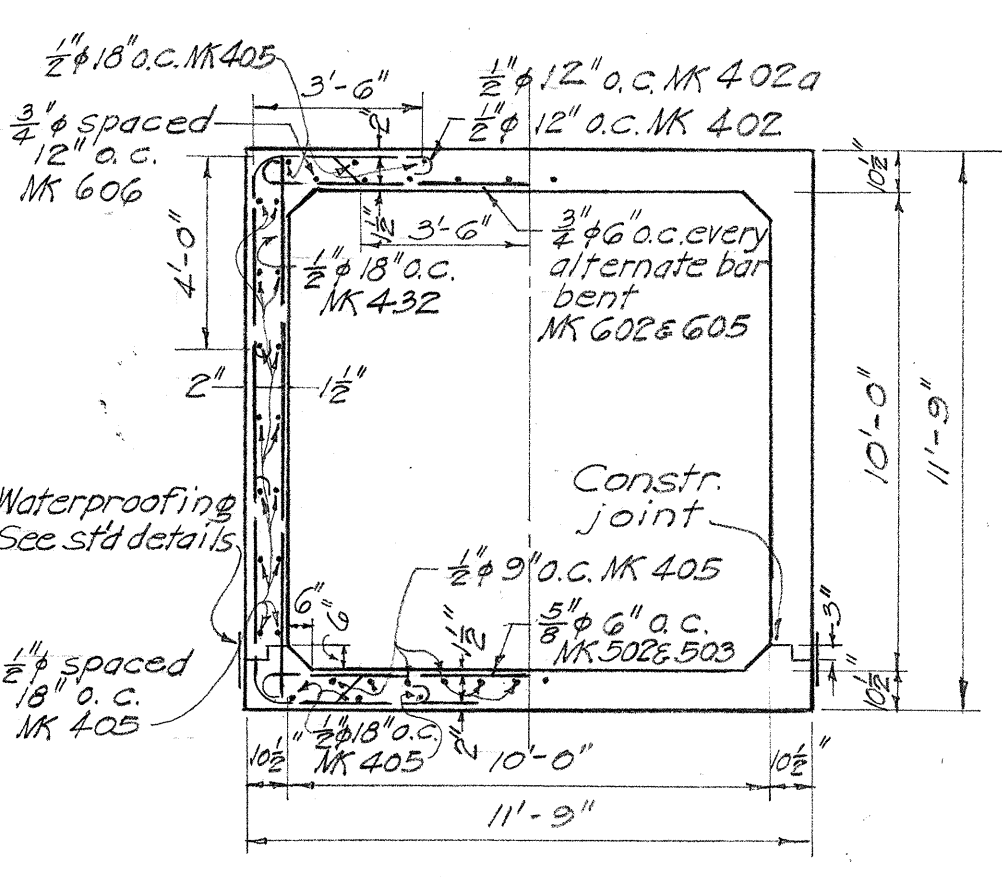
SECTION ALONG & OF CULVERT
1" = 10'-0"



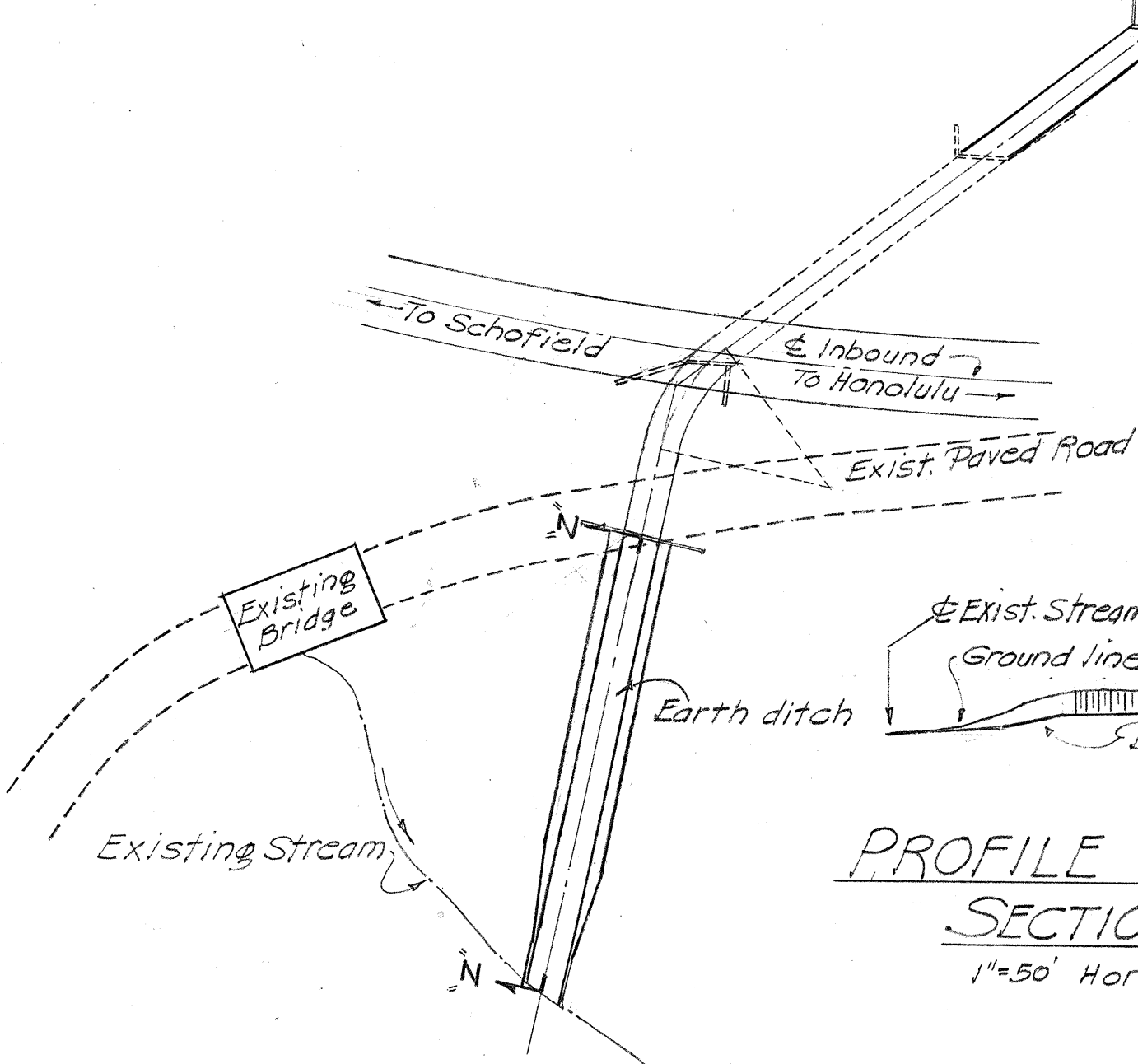
SECTION A-A TYPE A
1/4" = 1'-0"



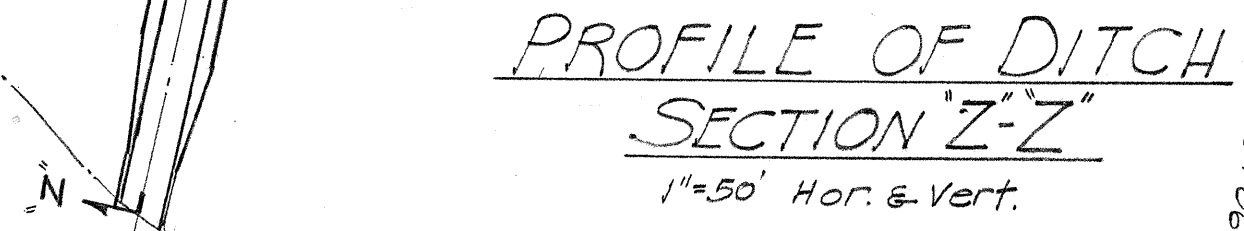
SECTION B-B TYPE B
1/4" = 1'-0"



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



TYPICAL DITCH SECTION
Not to Scale

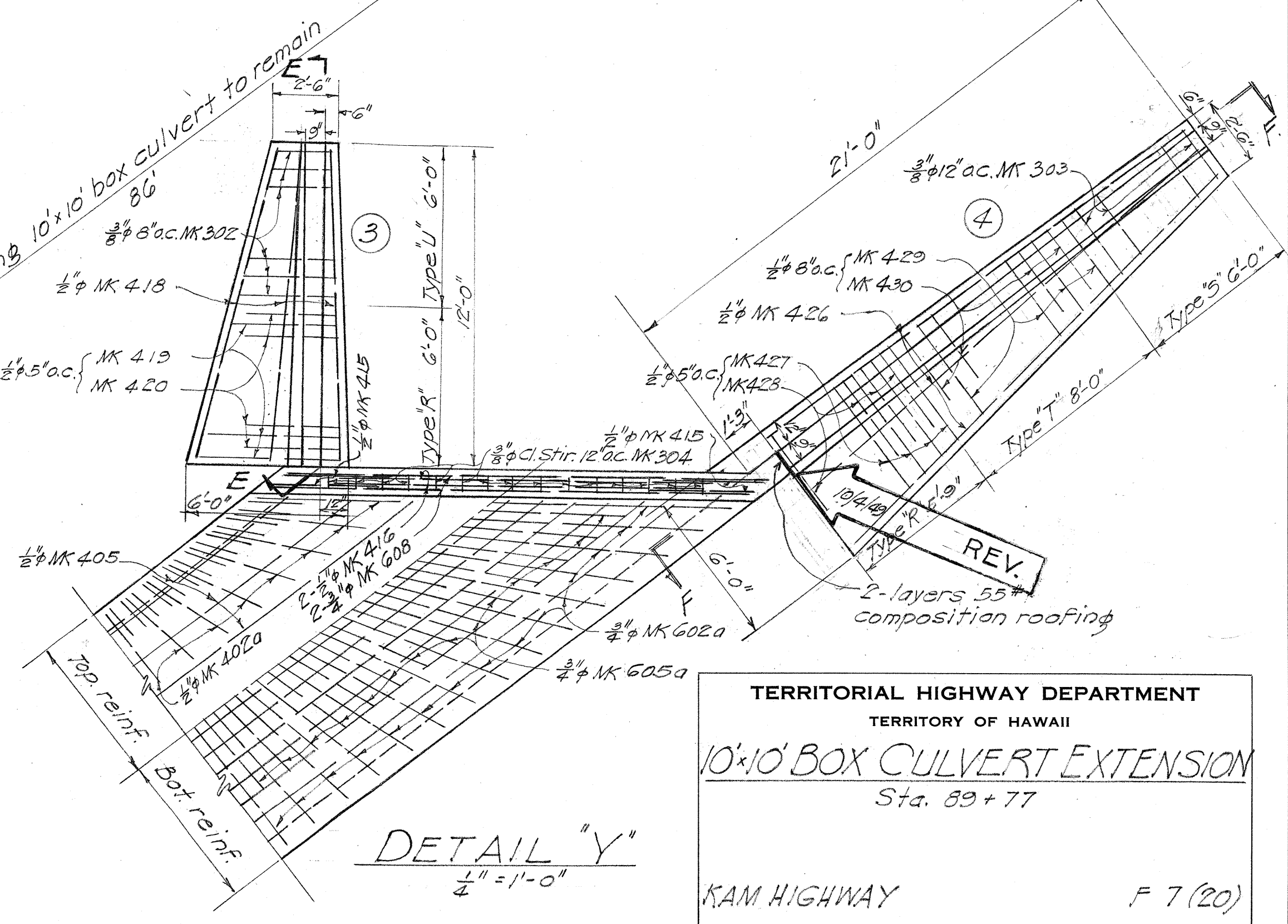


PROFILE OF DITCH SECTION Z-Z
1" = 50' Hor. & Vert.

PLOT PLAN
1" = 50'

9 feet of concrete box culvert measured along & and portions of wing walls, as necessary to expedite new construction, to be removed from each end of existing culvert.

PLAN OF CULVERT
1" = 10'-0"



DETAIL Y-Y
1/4" = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
10'x10' BOX CULVERT EXTENSION
Sta. 89+77
KAM HIGHWAY
F 7 (20)

SHEET No. 1 OF 2 SHEETS

5382.23

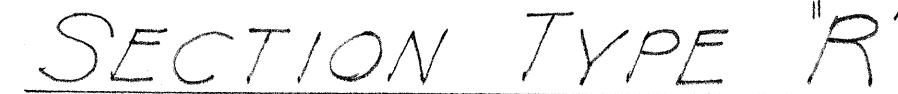
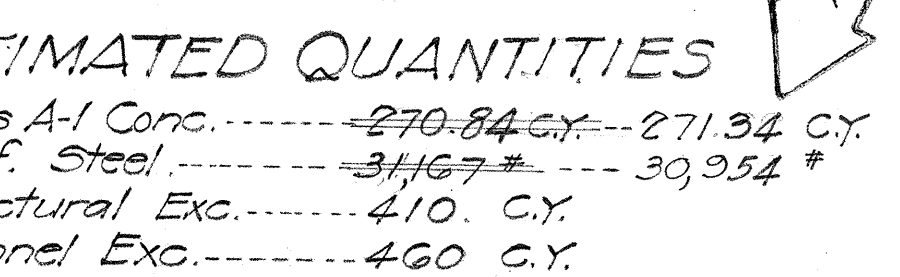
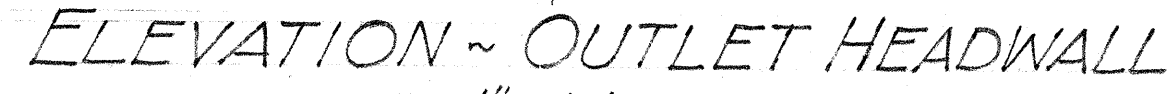
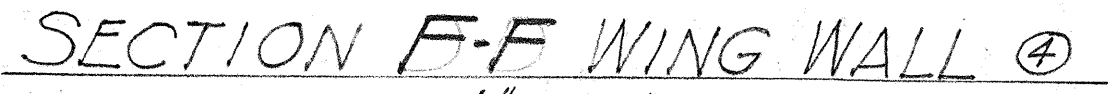
ORIGINAL PLAN
DESIGNED BY: M. C. Chang & K. K. Kwan
CHECKED BY: M. C. Chang & K. K. Kwan
DATE: 5/1/49
SHEET NO. 23 OF 70

REVISION NOTE:

- A. Wingwalls separated from trunk; reinforcing M[#]250, M[#]425 and M[#]433 eliminated.
- B. In wingwalls @ 5'-2", lower footing extended 12" under higher footing.
- C. Wingwall @ footing shortened.

Revisions @ 5'0" reduced reinf steel quantity by 213 #

Revisions @ 5'0" effect net increase in Class A-1 concrete of 0.5 cu yd.



SHEET No. 2 OF 2 SHEETS *py*

5382.24

ORIGINAL PLAN	SURVEY PLOTTED BY DESIGNED BY DRAWN BY TRACED BY QUANTITIES BY QUANTITIES CHECKED BY CHECKED BY	DATE 3/4/53 3/4/53 3/4/53 3/4/53 3/4/53 3/4/53 3/4/53
NOTE BOOK No.	W. C. Barfels M. C. Chang-Rakwanam W. C. Barfels M. C. Chang-Rakwanam M. C. Chang-Rakwanam M. C. Chang-Rakwanam M. C. Chang-Rakwanam M. C. Chang-Rakwanam	