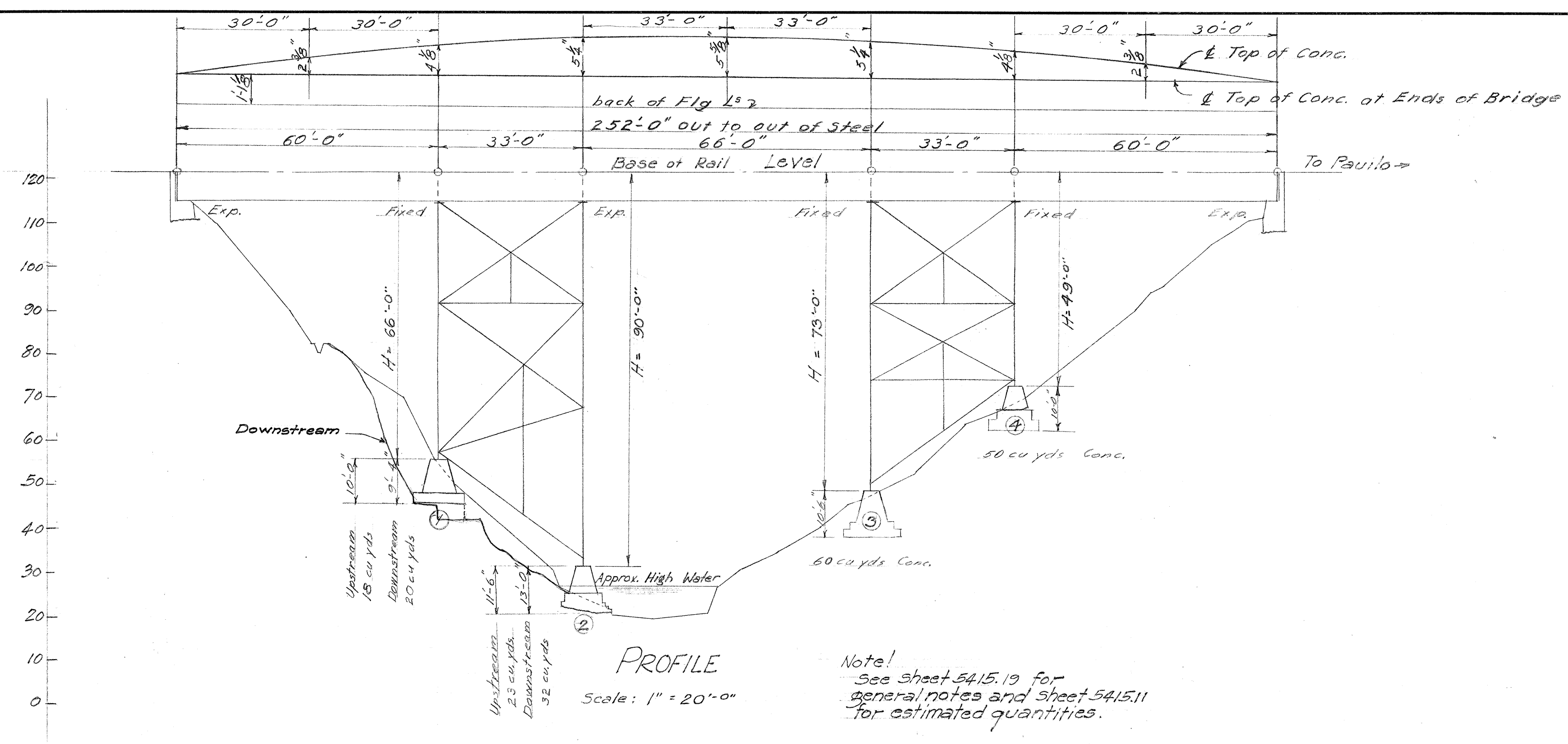
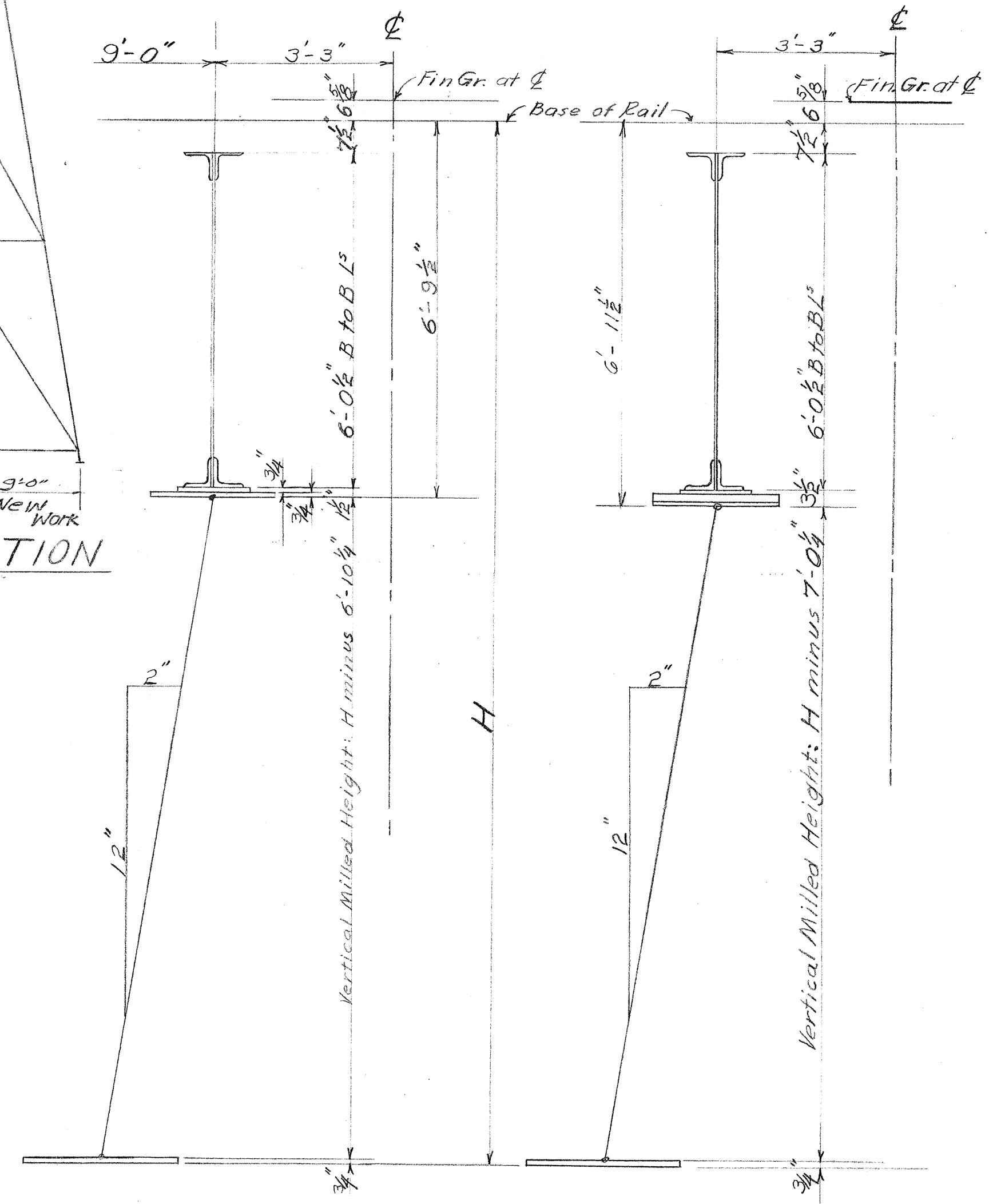
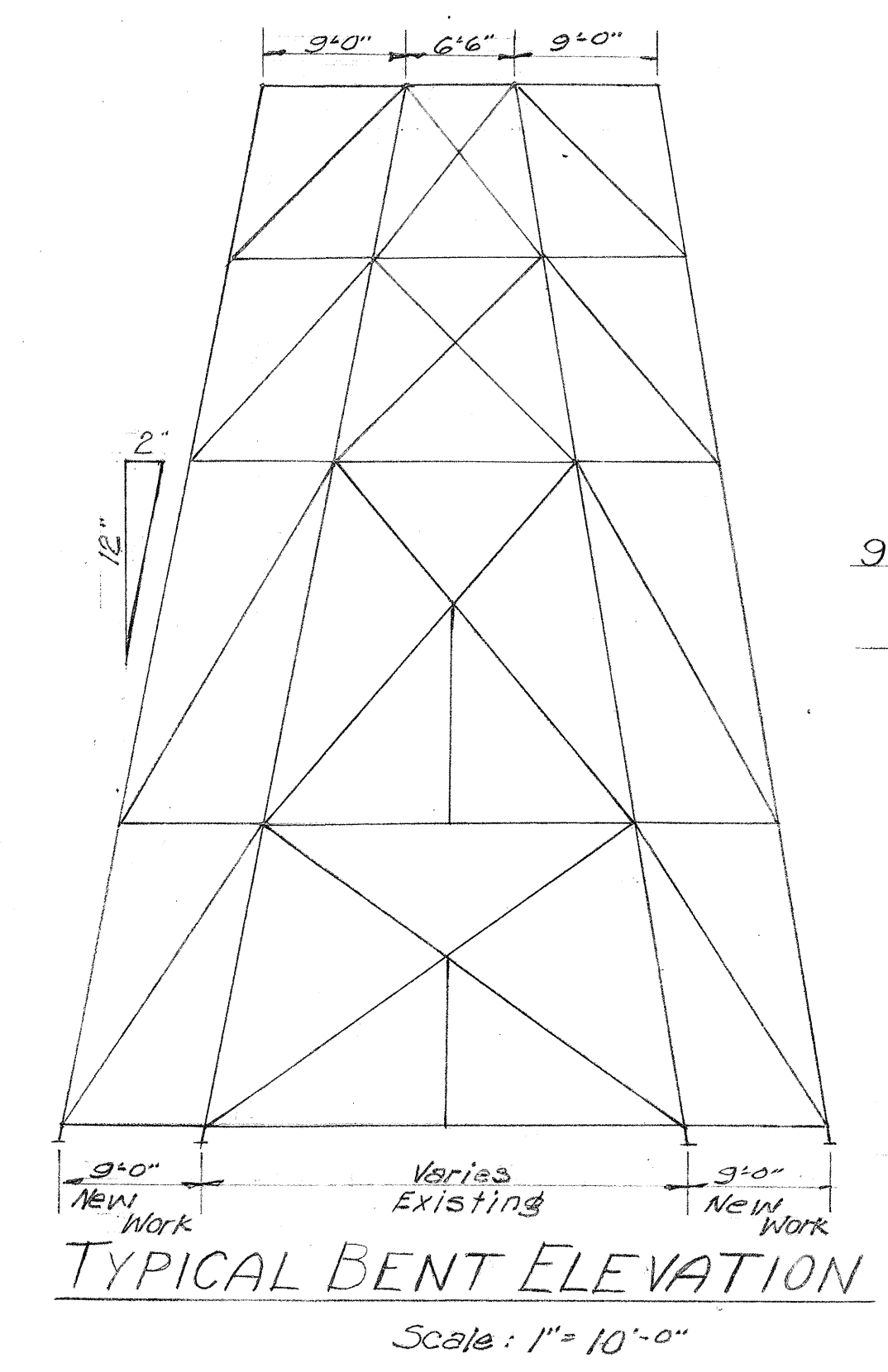


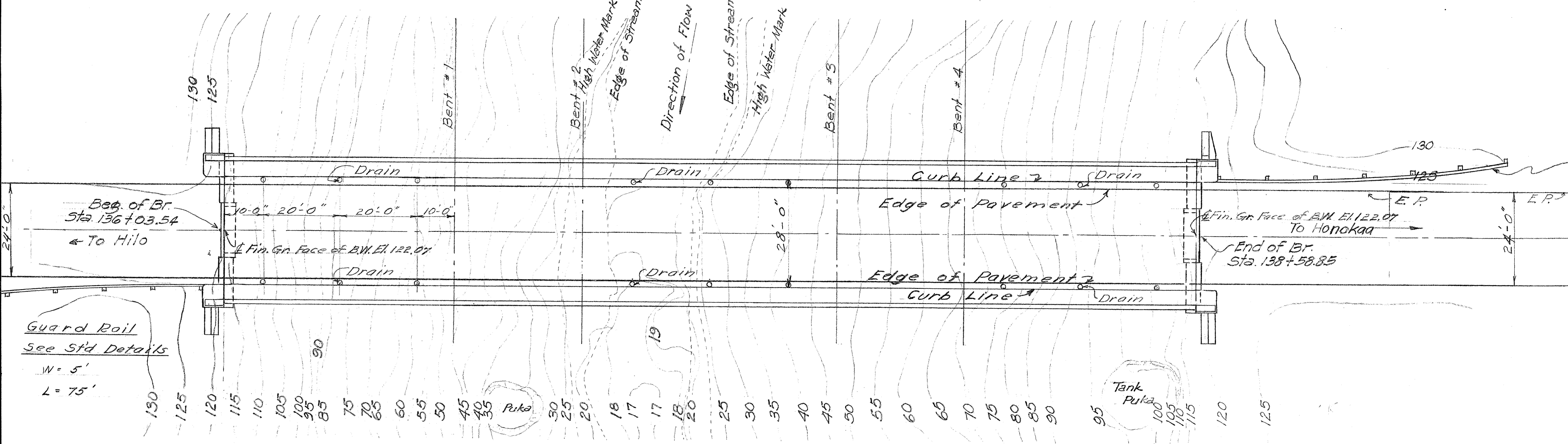


PROFILE
Scale: 1" = 20'-0"

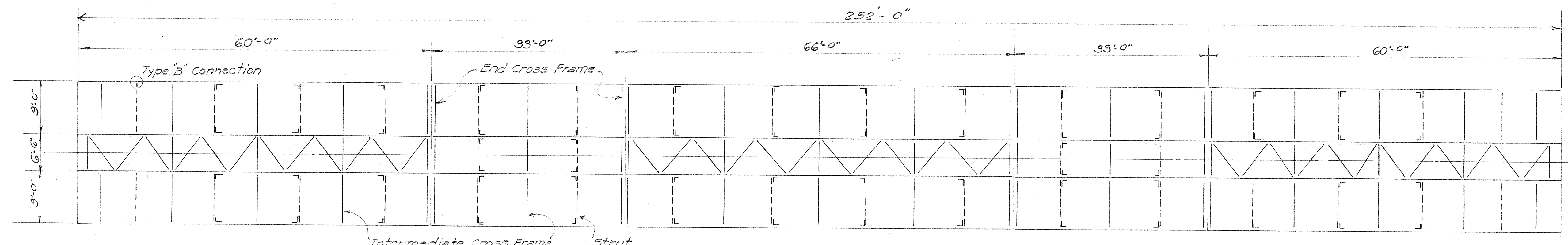
Note!
See sheet 5415.19 for general notes and sheet 5415.11 for estimated quantities.



BENTS 1, 3, 5 AND 7 KAPUE
ALL BENTS UMAUMA AND PAHEEHIE



PLAN
Scale: 1" = 20'-0"



FRAMING PLAN
Scale: 1" = 10'-0"

All struts ——— $L \ 3\frac{1}{2} \times 3\frac{1}{2} \times \frac{5}{16}$
Angles in End C.F. ——— $3\frac{1}{2} \times 3\frac{1}{2} \times \frac{5}{16}$
Angles in Interm. C.F. ——— $3\frac{1}{2} \times 3\frac{1}{2} \times \frac{5}{16}$

COLUMN LENGTHS

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

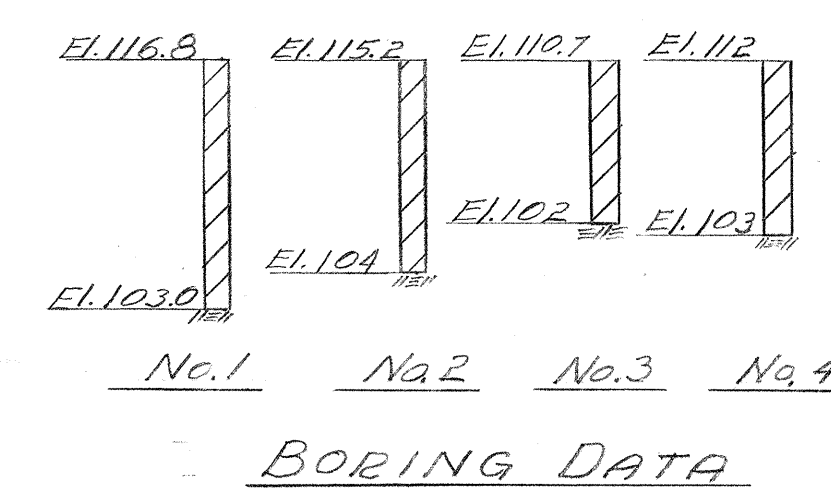
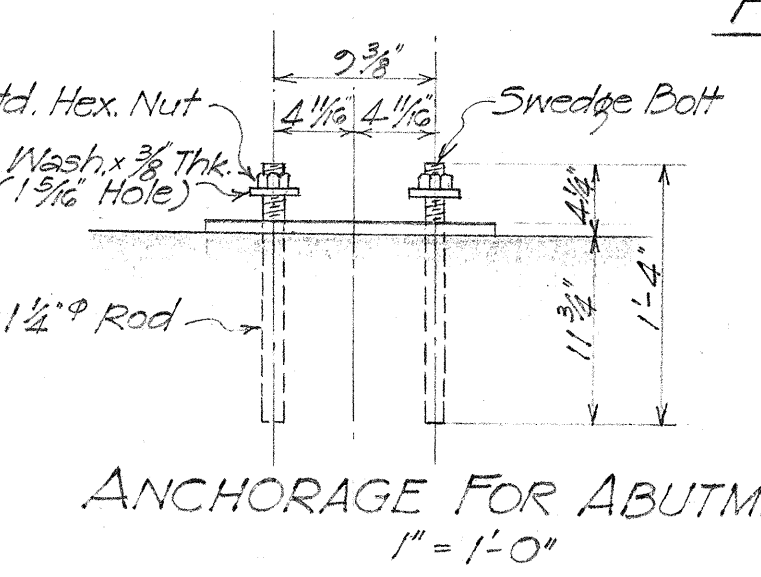
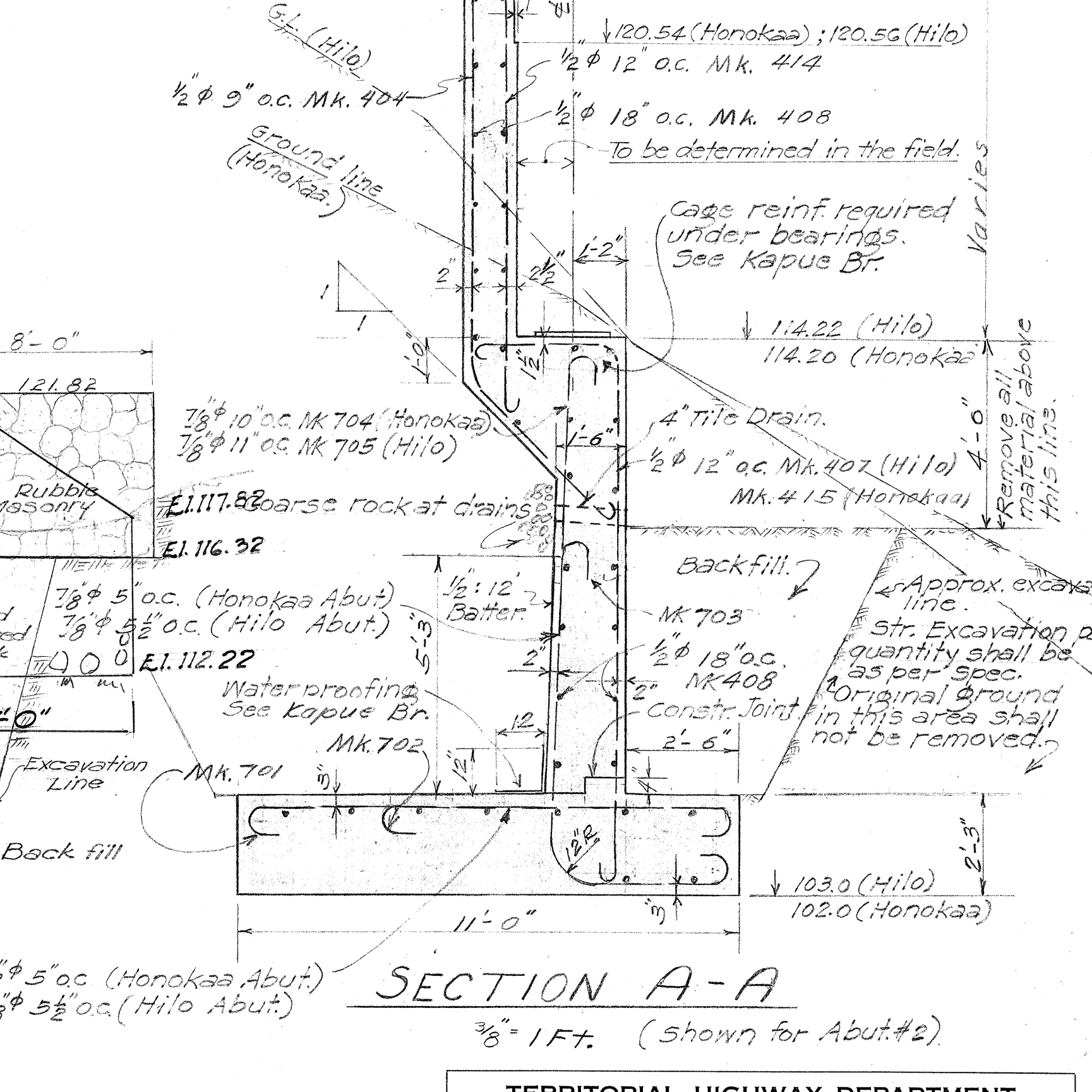
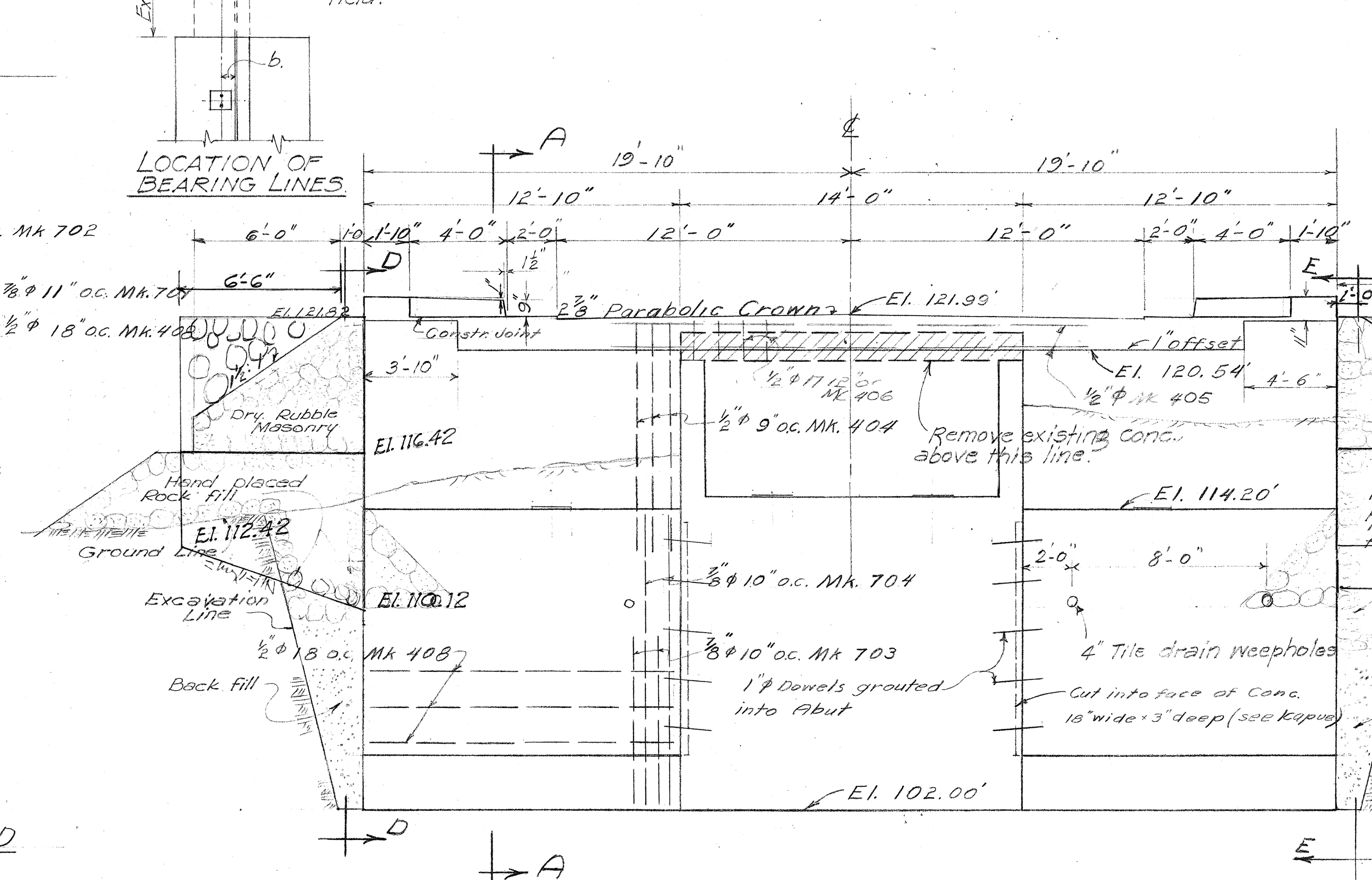
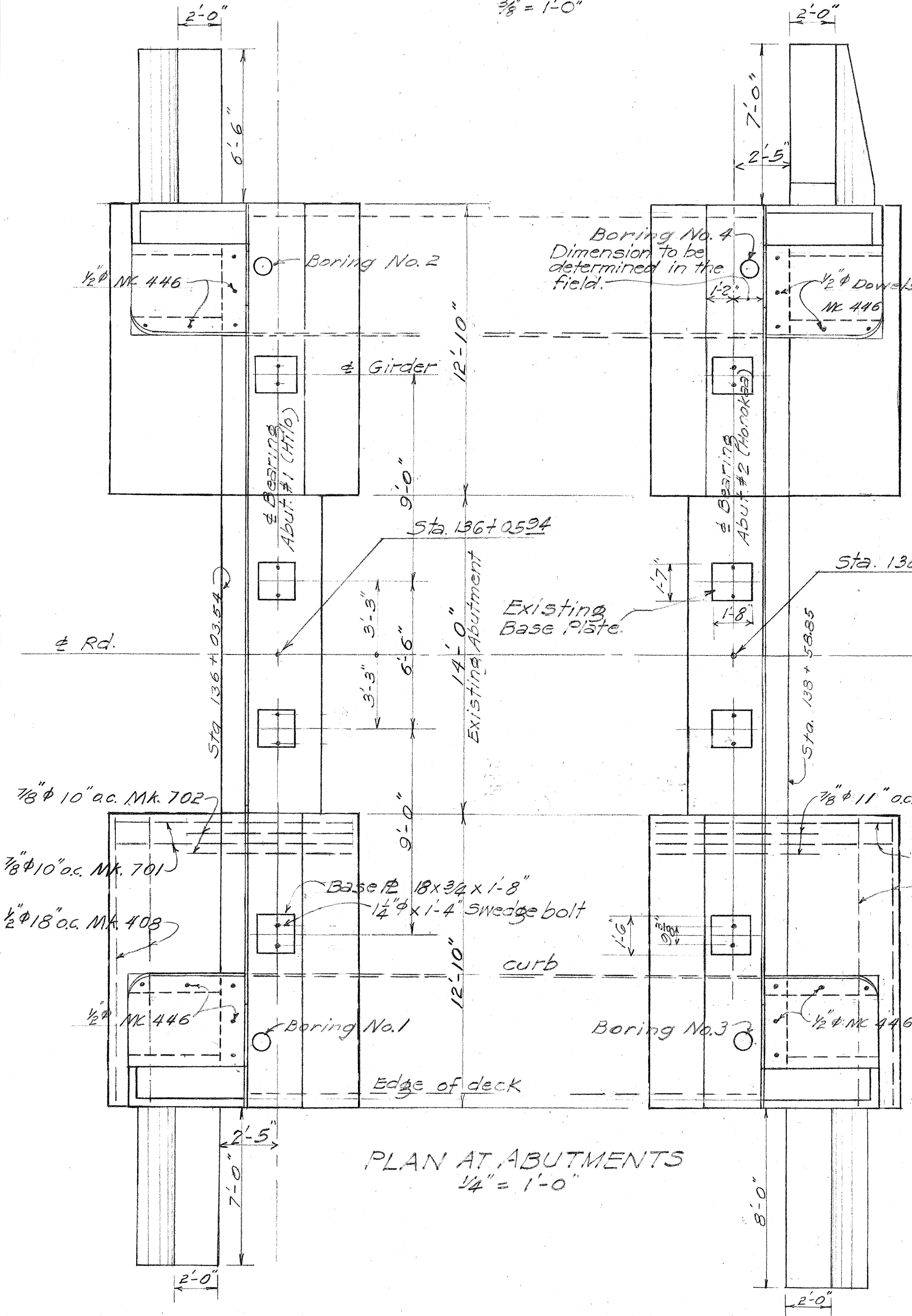
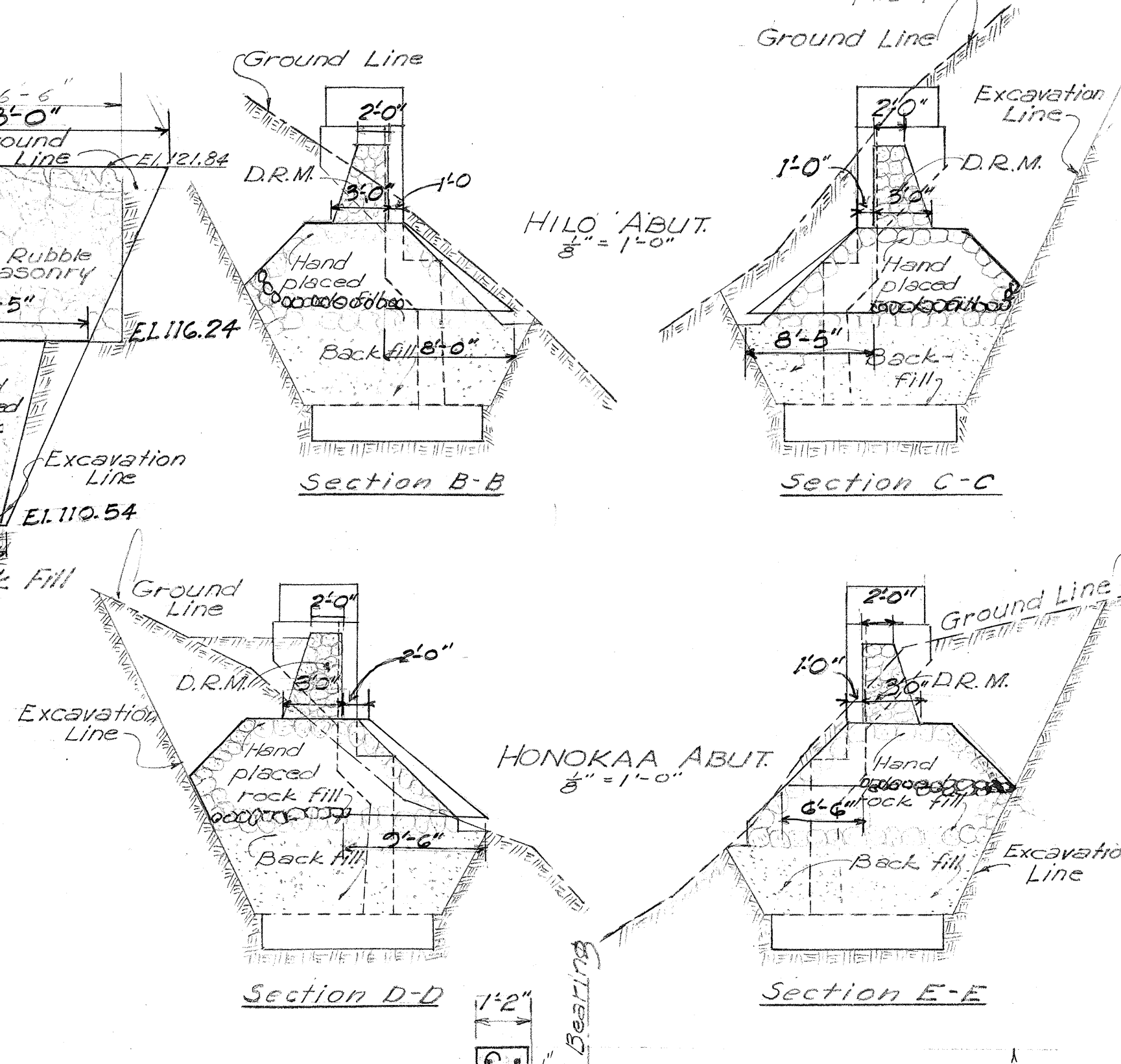
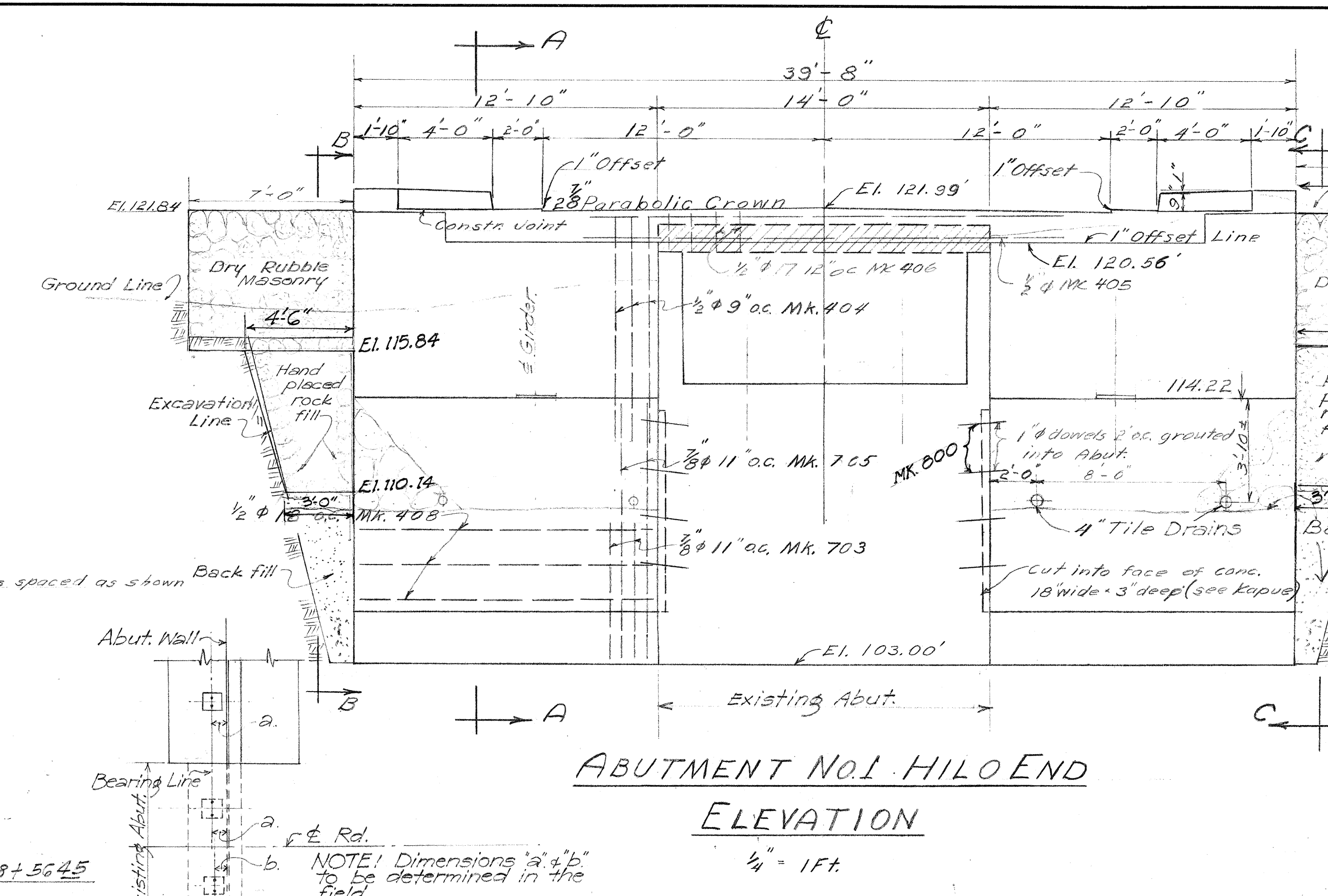
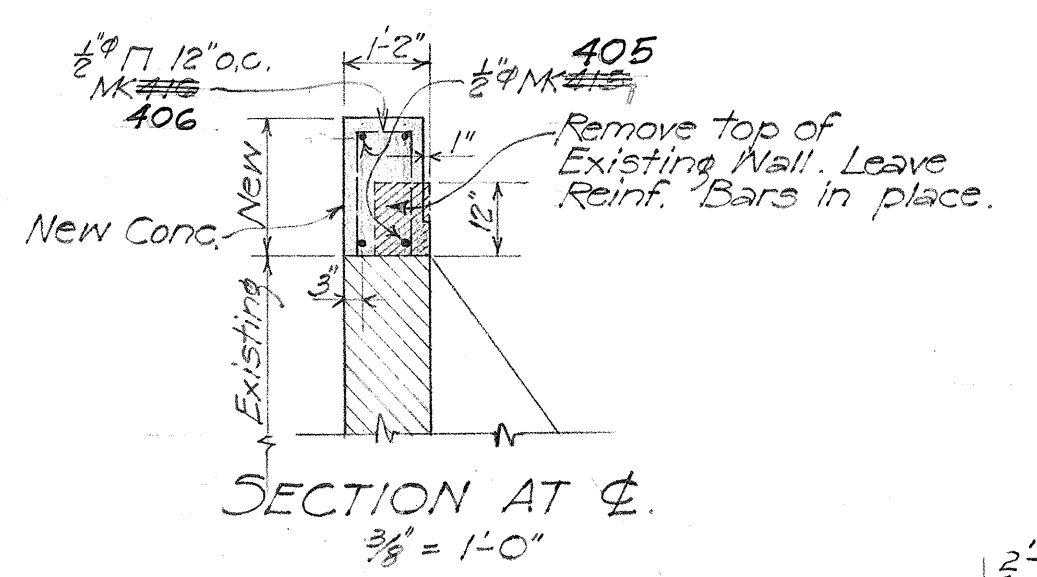
PAHEEHIE BRIDGE
Sta. 136+03.54 to 138+58.85

HAWAII BELT ROAD
Apr. 1949

SDR3(9)
1/2" UNIT

DATE: 4/23
DESIGNED BY: W. B. B. B. B.
DRAWN BY: W. B. B. B. B.
CHECKED BY: W. B. B. B. B.
NO. 1

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	SDR-3(9)	1949	2	43



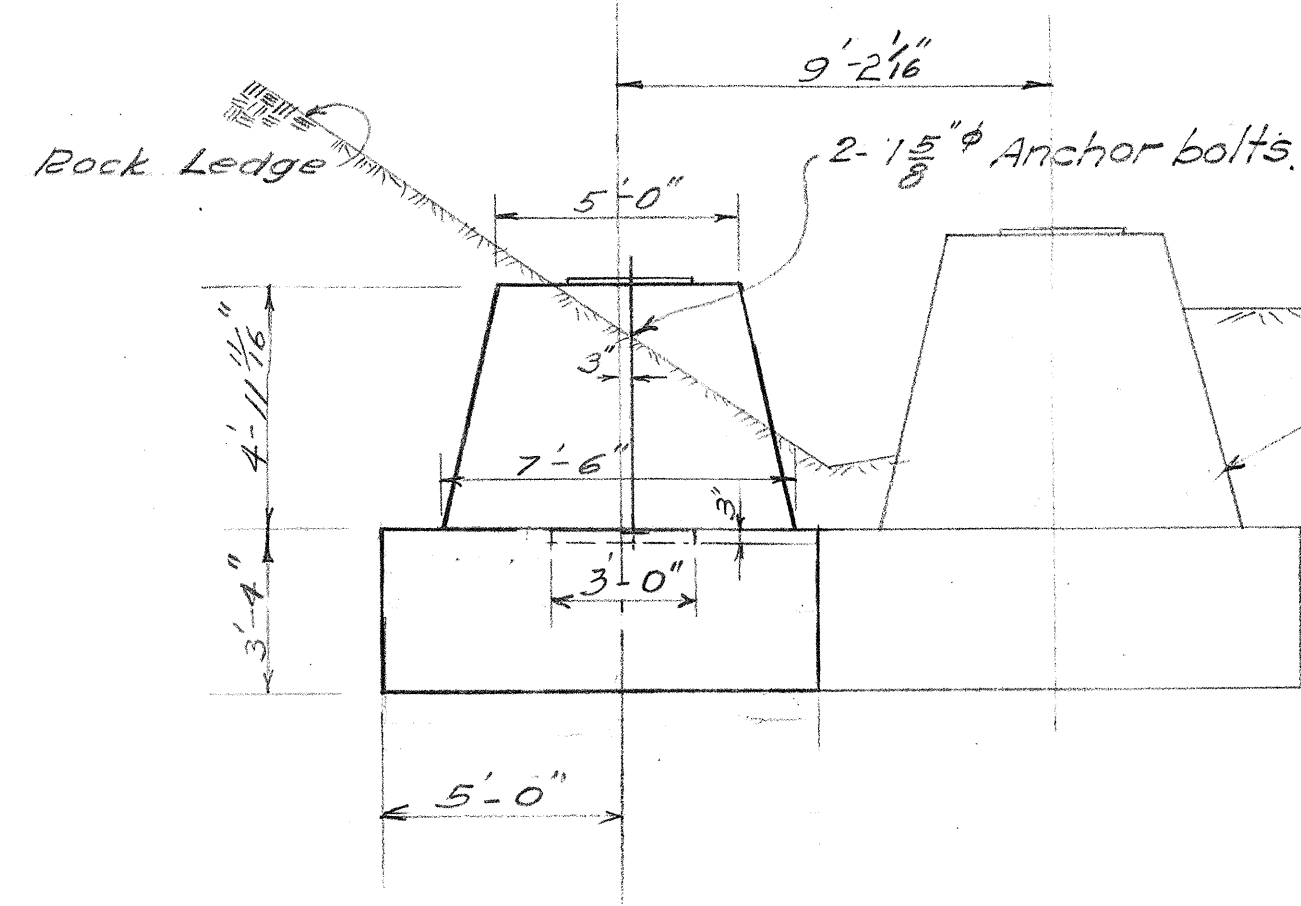
Dark Brown Clay
Rock

ORIGINAL PLAN
DESIGNED BY
DRAWN BY
QUANTITIES CHECKED BY
NOTED BY
DATE
4-19
5-49
5-49

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
PAHEEHEE BRIDGE
Sta. 136+03.54 to 138+5885
Hawaii Belt Road
May 1949
SDR-3(9)
1st UNIT

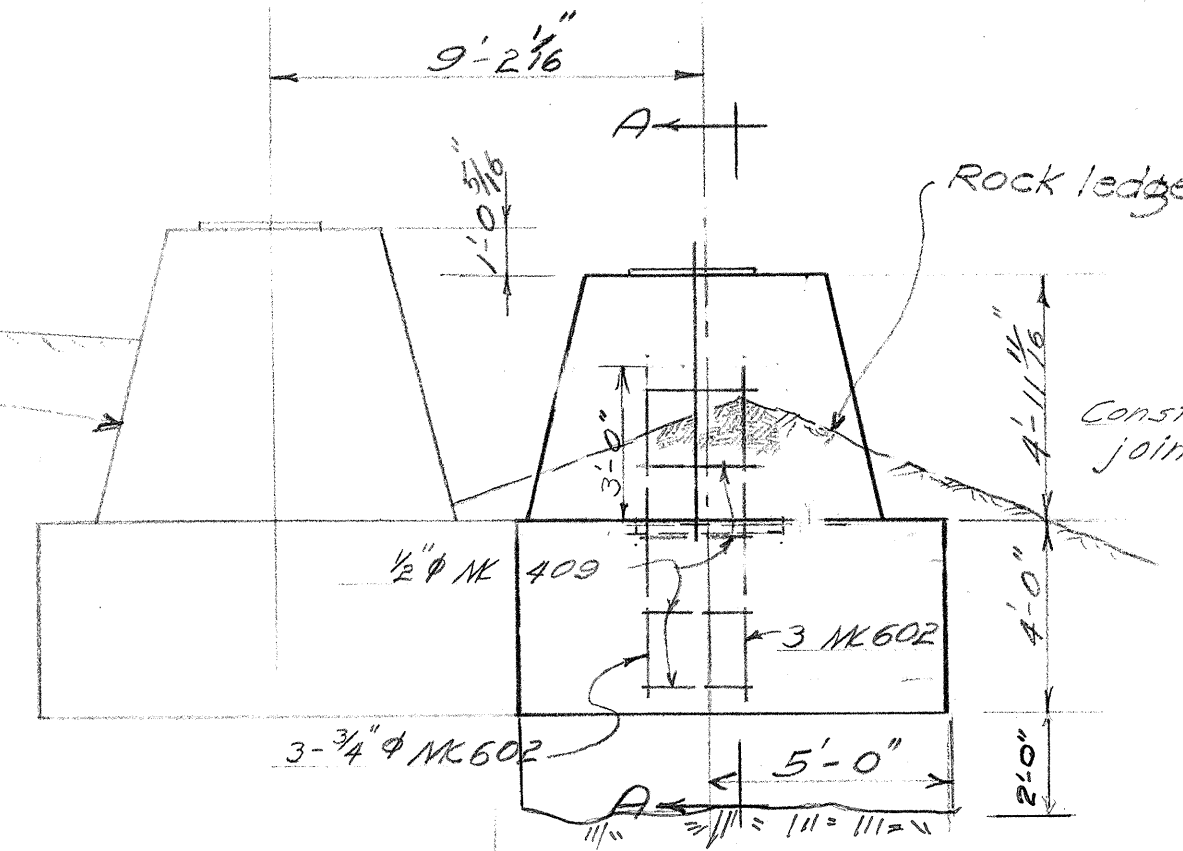
SHEET No. 2 OF 13 SHEETS

5415.9

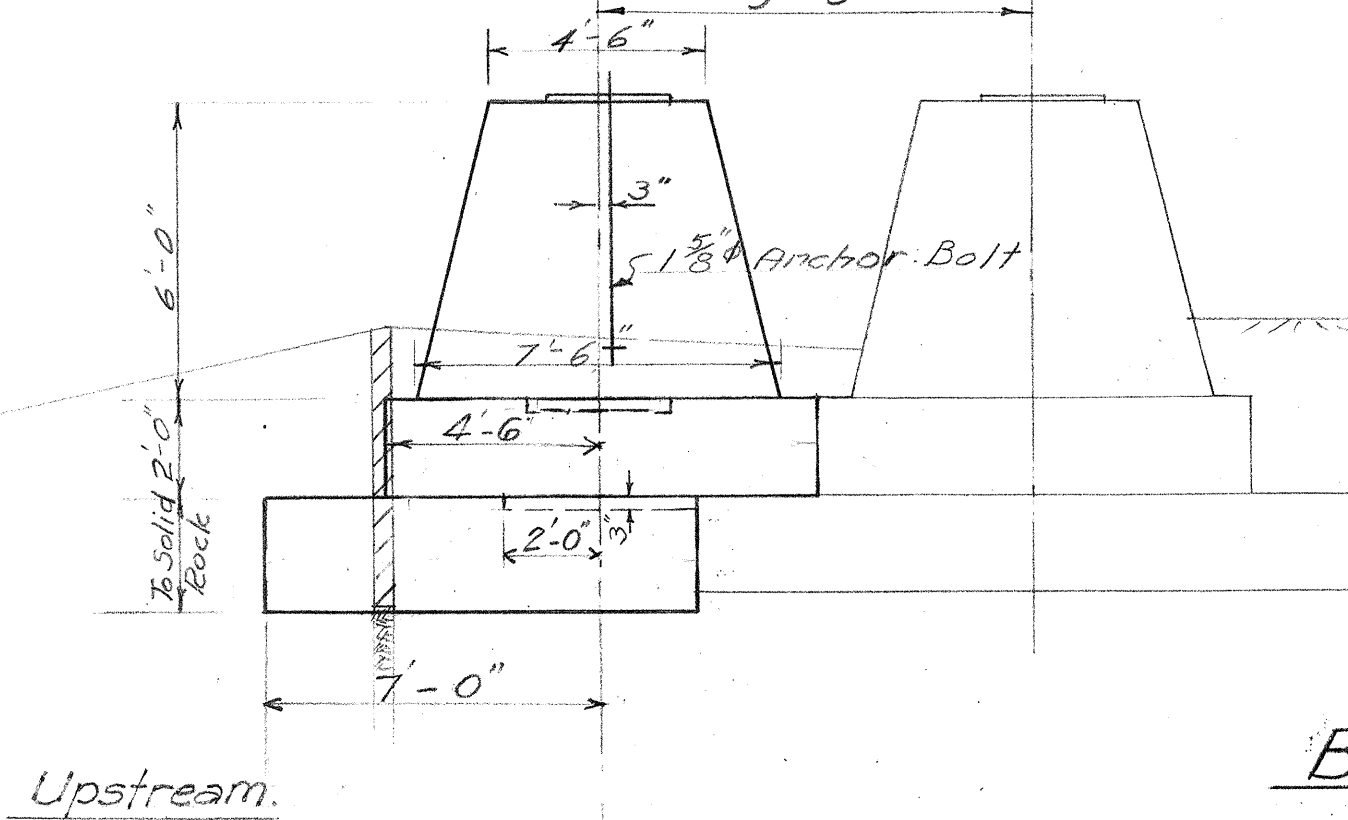


BENT No. 1
1/4" = 1'-0"

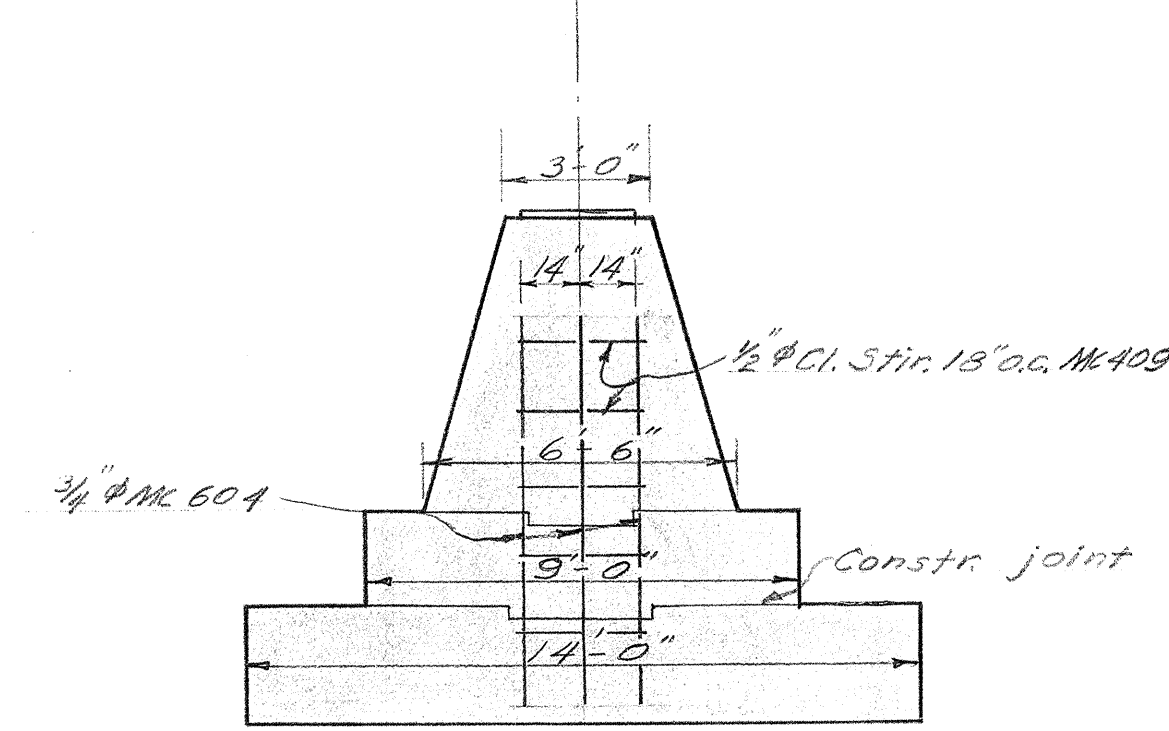
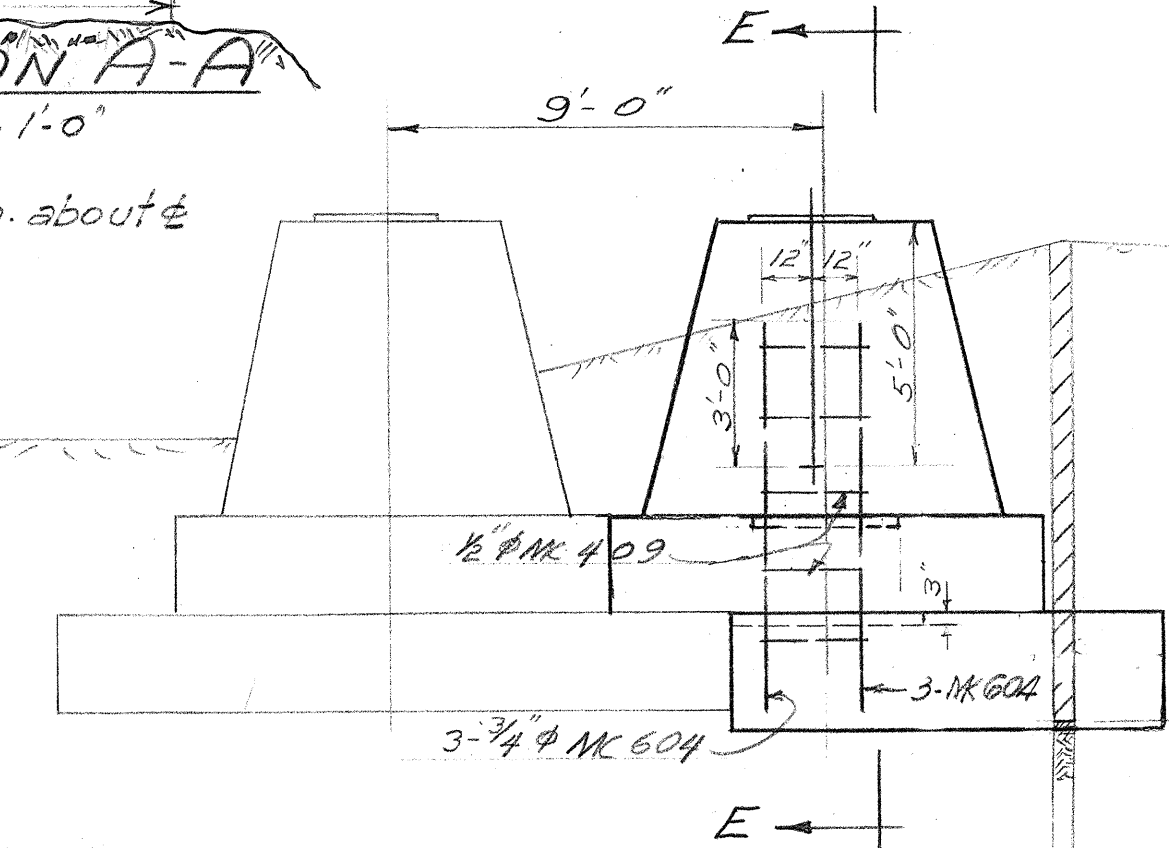
Upstream



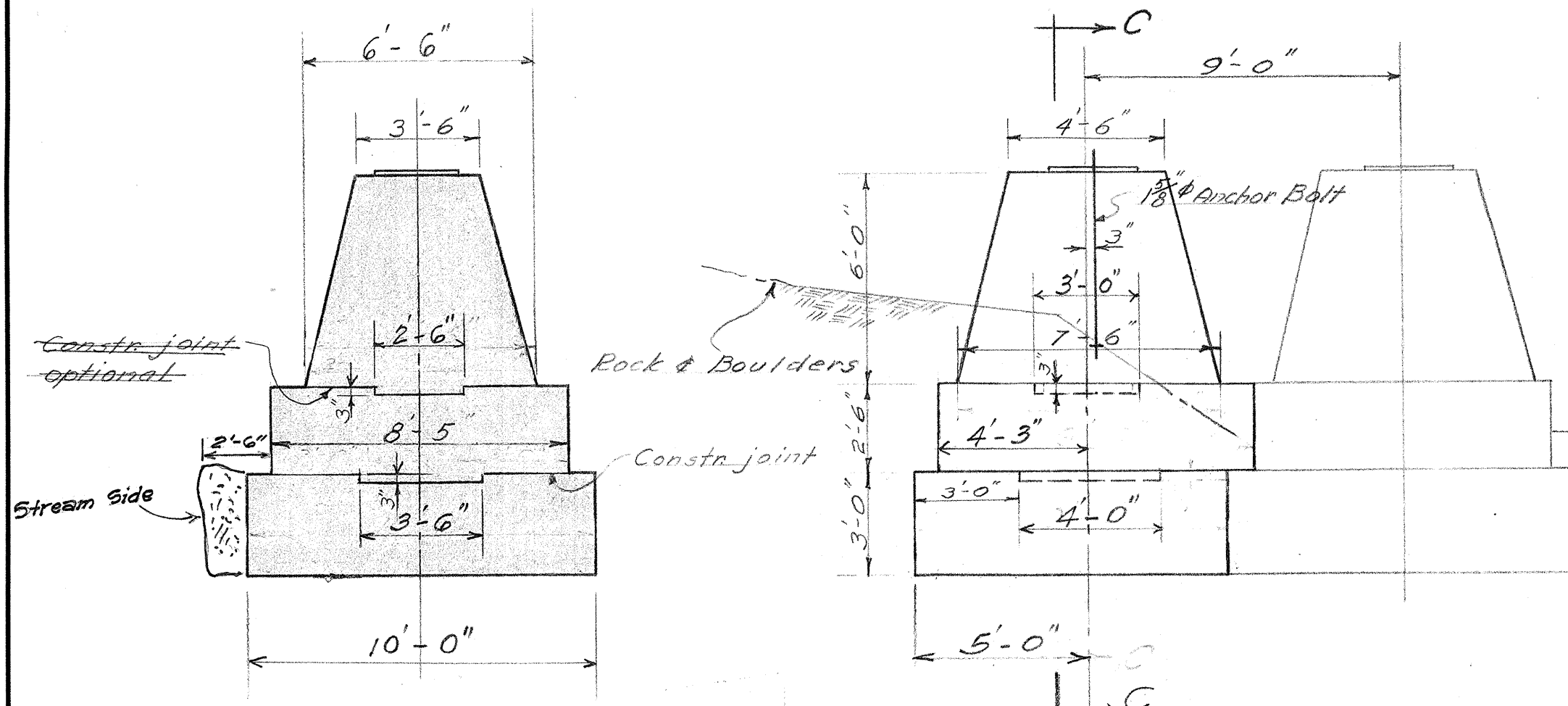
SECTION A-A
1/4" = 1'-0"



BENT No. 4
1/4" = 1'-0"

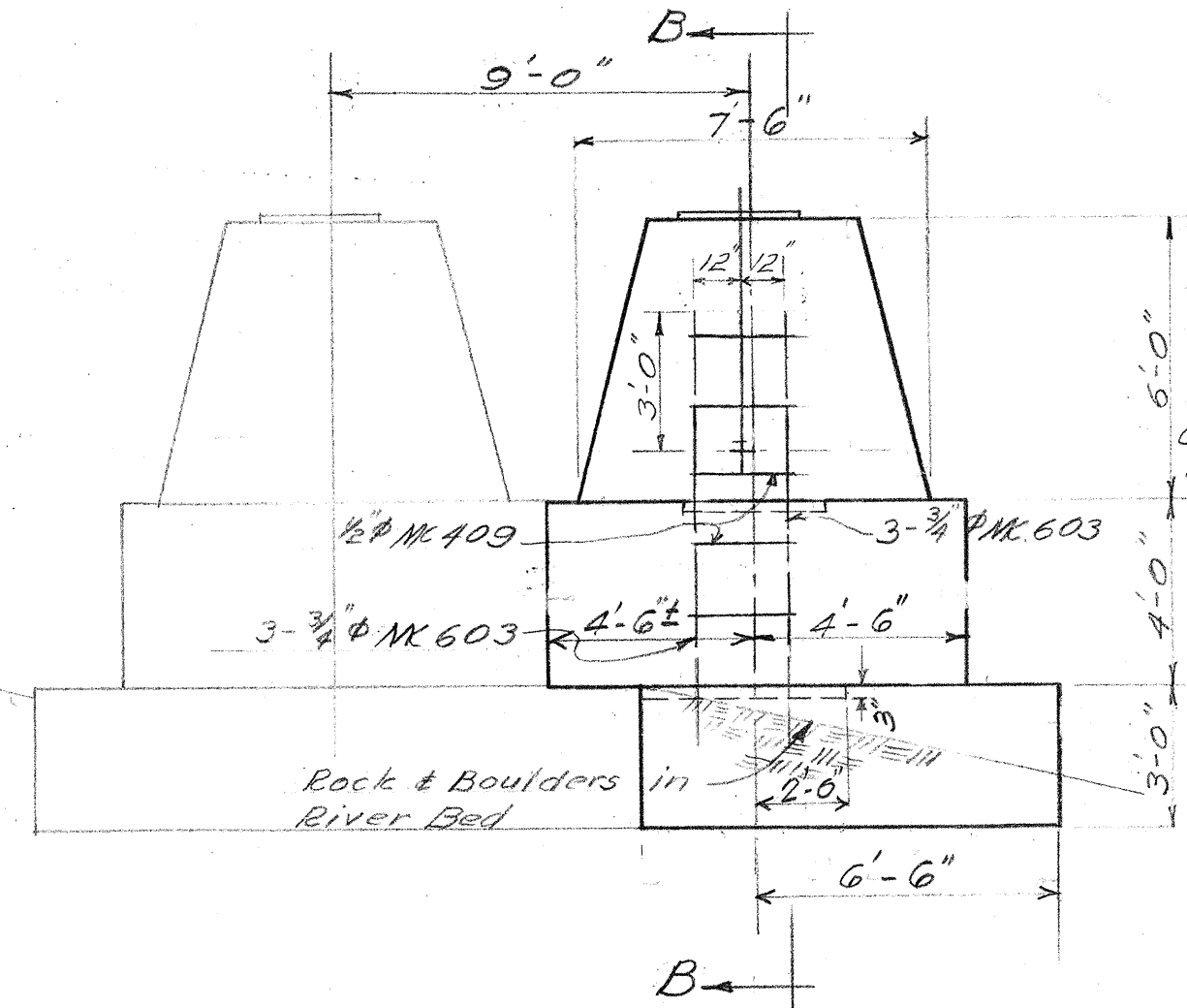


SECTION E-E
1/4" = 1'-0"

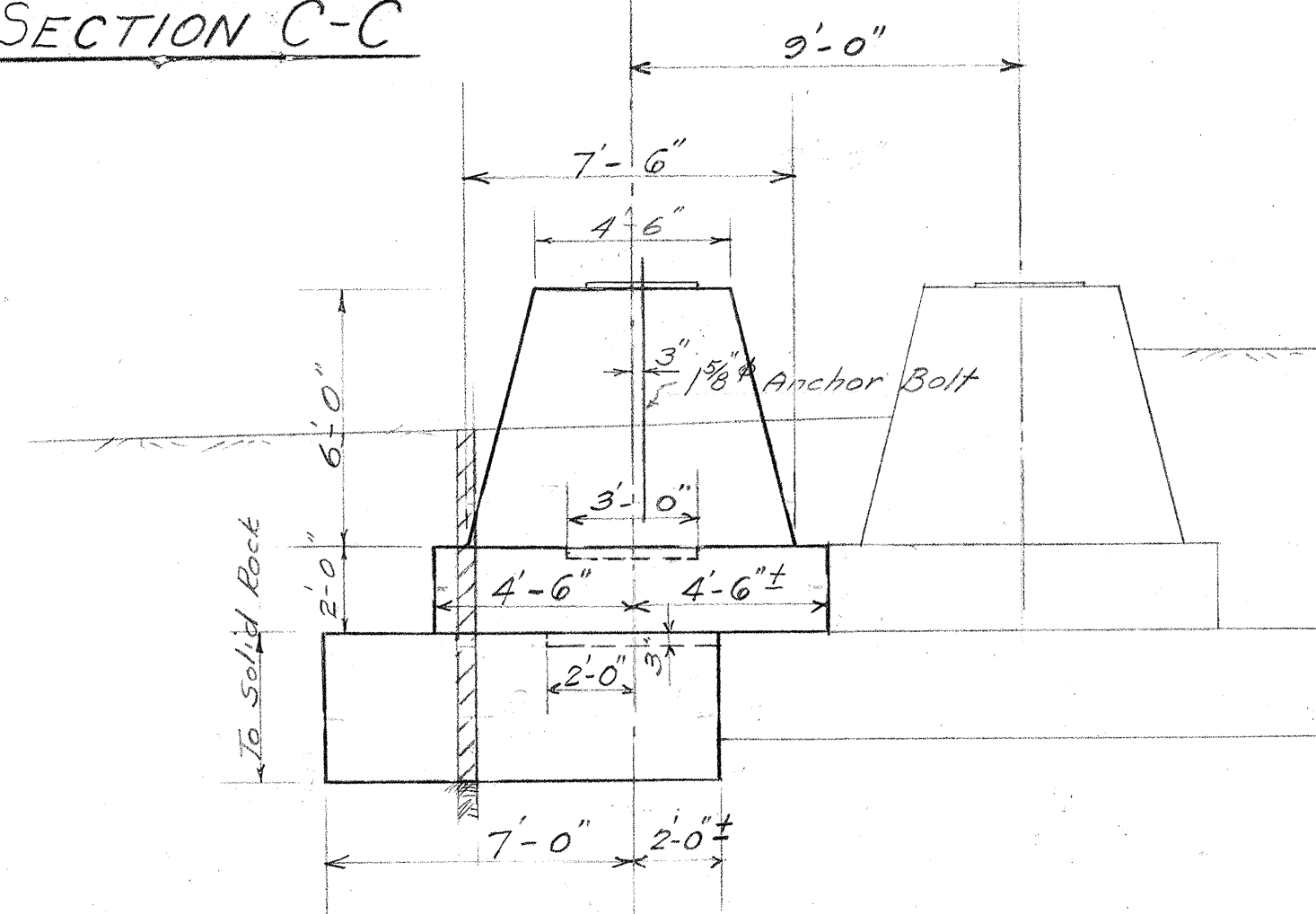


SECTION C-C

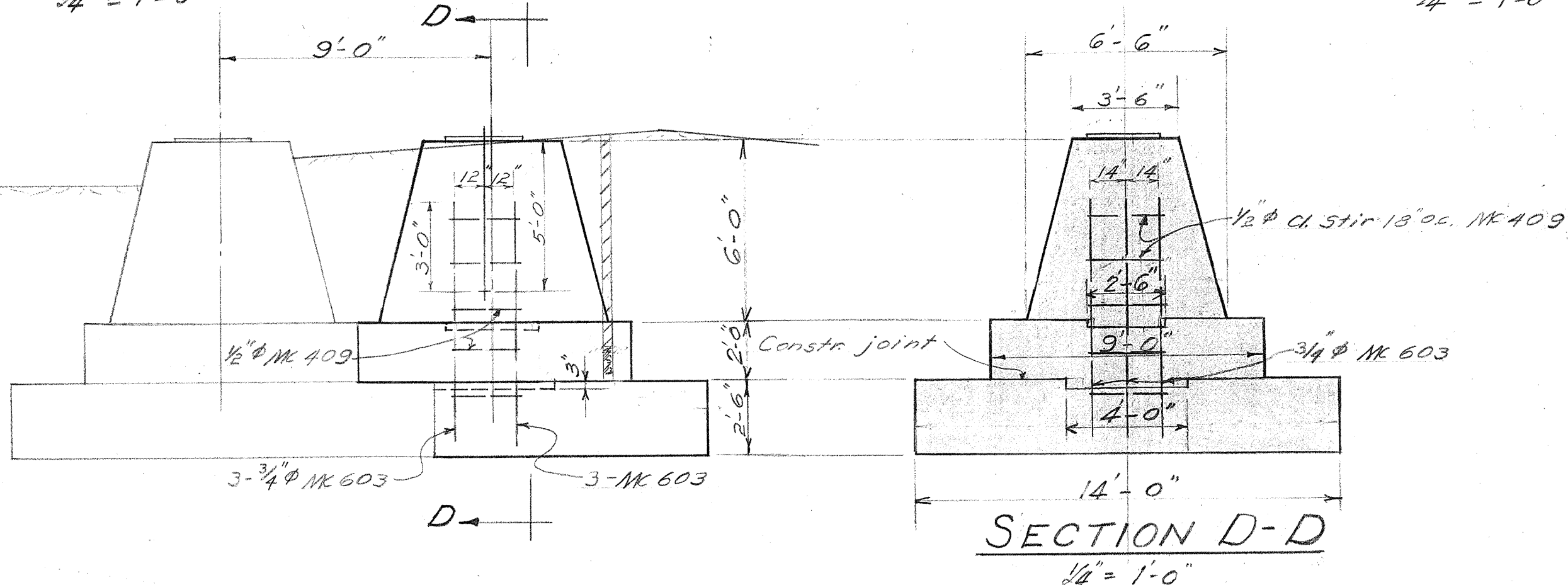
BENT No. 2
1/4" = 1'-0"



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



BENT No. 3
1/4" = 1'-0"



SECTION D-D
1/4" = 1'-0"

BORING DATA LEGEND

Dark brown clay.
Rock.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
PAHEEHEE BRIDGE
Sta. 136+03.54 to 138+58.85
Hawaii Belt Road SDR 3(9)
Oct. 1949 1st UNIT

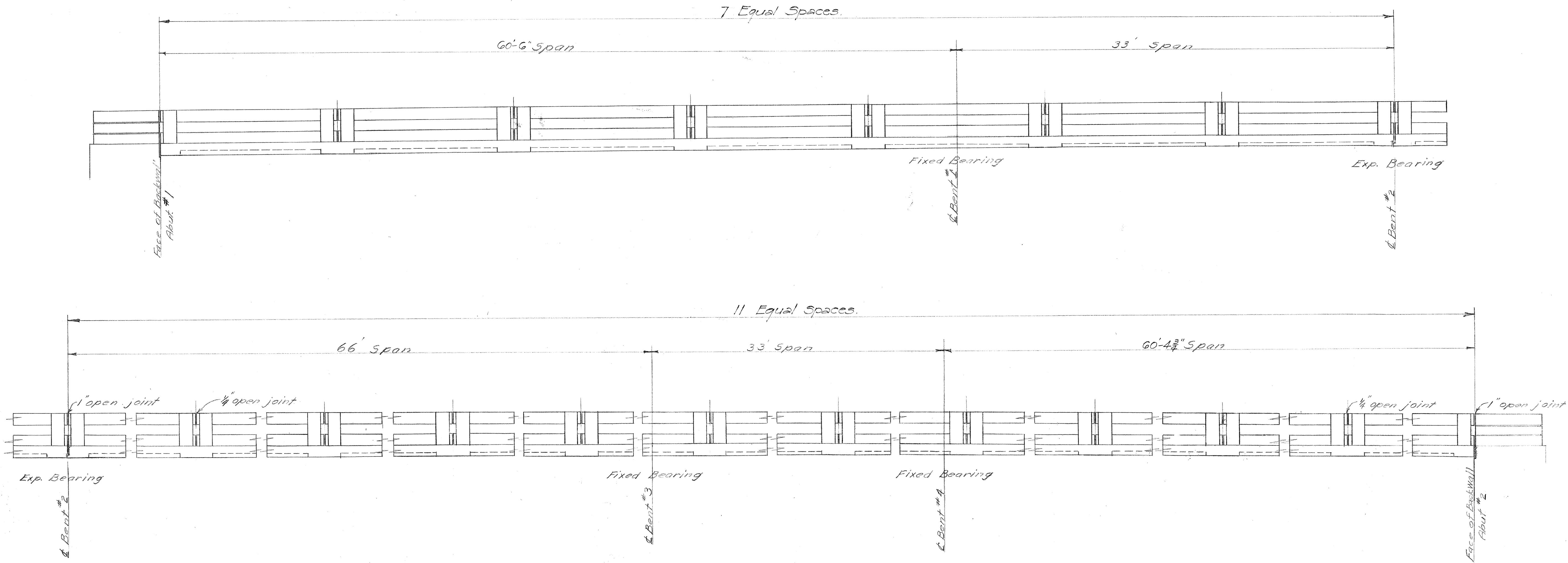
SHEET No. 3 OF 13 SHEETS

5415.10

SURVEY PLOTTED BY: DATE: 12/13/49
DESIGNED BY: A. D. D. 12/13/49
CHECKED BY: A. D. D. 12/13/49
ORIGINAL PLAN NO. 5415.10
NOTE BOOK NO. 5415.10

ESTIMATED QUANTITIES					
Item	Super-structure	Railing & End Posts	Abutments		Total
			No. 1.	No. 2	
Class A-1 Conc.	291 cu. yd.	33 cu. yd.	50 cu. yd.	52 cu. yd.	426 cu. yd.
Class B-2 Conc.					203 cu. yd.
Struct. Excav.	52,586	5,066	285 cu. yd.	235 cu. yd.	824 cu. yd.
Reinf. Steel	54,016 #	6,106 #	4722 #	5077 #	82,921 #
Dry Rubble Masonry			8 cu. yd.	9 cu. yd.	17 cu. yd.
Hand-Placed Rock Fill			24 cu. yd.	35 cu. yd.	59 cu. yd.
A.C. Pavement	37.7				37.7
	39.46 Tons				39.46 Tons

ESTIMATED QUANTITIES (Continued)	
Item	Total
Furnishing, fabricating, and erecting new steel	41,411 34,800 Lbs.
Cleaning, fabricating and erecting salvaged steel	338,200 Lbs.
Cleaning and applying 1st coat of paint to steel in existing R.R. Bridges	340,000 Lbs.
Painting entire structure with two field coats of paint. (713,000#)	Lump Sum.
Removing and replacing 3/4" x 2 3/8" (ave) rivets in tower bracing system	228 7,000 Pcs.
Removing and replacing 7/8" x 3 1/8" (ave) rivets in girders	3,232 3,200 Pcs.
Removing and replacing deteriorated lattice bars, stay plates and gusset plates	3,000 Lbs.



RAILING LAYOUT (RIGHT)

1/4" = 1 Ft.

NOTE:

See sheet 5415.20 for railing and railing post details.

Left Railing Similar

TERRITORIAL HIGHWAY DEPARTMENT

TERRITORY OF HAWAII

PAHEEHEE BRIDGE
Sta 136+03.54 to 138+58.85

Hawaii Belt Road S.D.R. 3(9)
1st UNIT

Oct. 1949

SHEET NO. 4 OF 13 SHEETS

5415.11