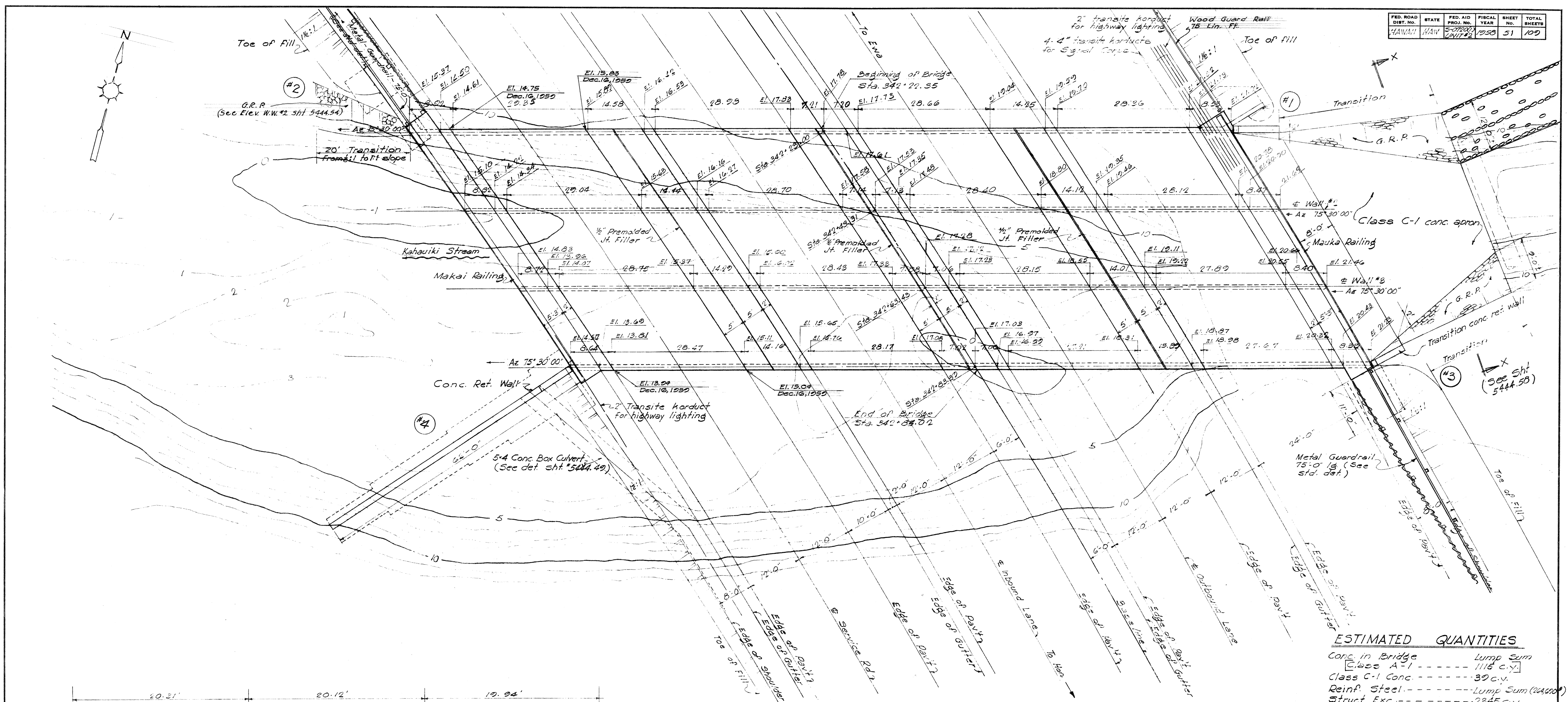


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	5-0720 UNIT #2	1958	51	100



ESTIMATED QUANTITIES

Conc. in Bridge	Lump Sum
Class A-1	1118 c.y.
Class C-1 Conc.	30 c.y.
Reinf. Steel	Lump Sum (\$4600)
Struct. Exc.	2245 c.y.
Channel Exc.	728 c.y.
Filter Material	250 c.y.
Al. Railing	112 Lin. Ft.
Grouted Rubble Paving	68 c.y.
A.C. Pavt.	62 tons
Tack Coat	131 gal.
Metal Guard Rail (Reddy Contr. Item)	150 Lin. Ft.
Wood Guard Rail (Reddy Contr. Item)	75 Lin. Ft.
Special Rock Fill	14 c.y.

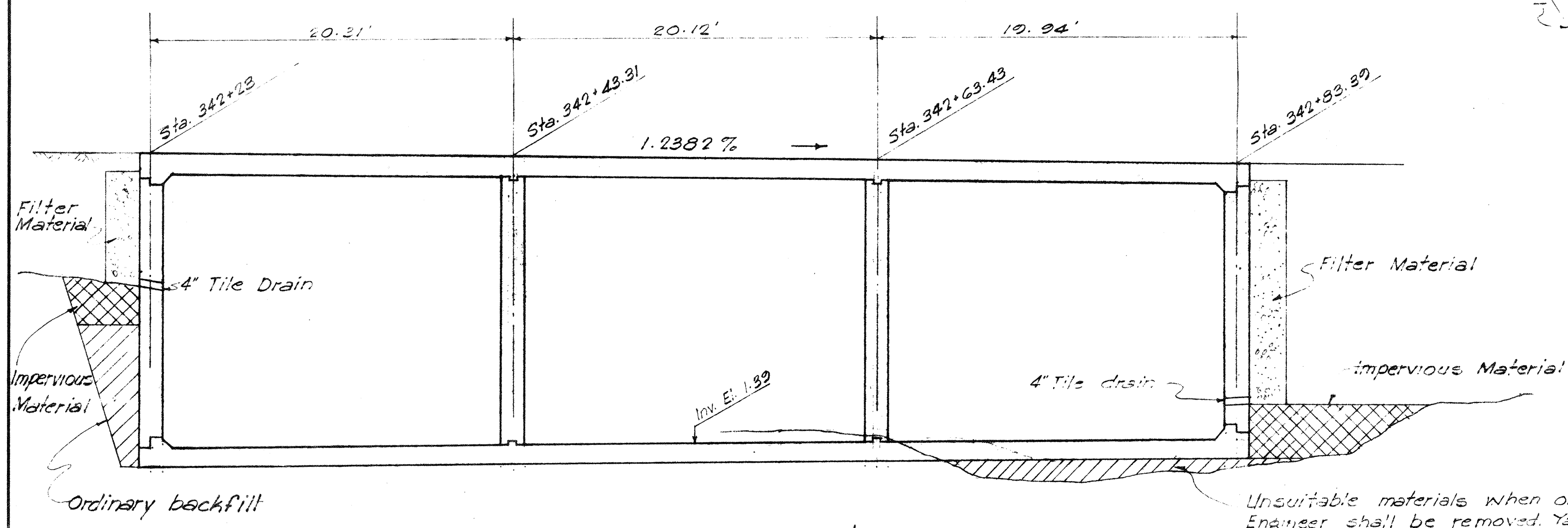
LAYOUT PLAN
Scale: 1"=10'-0"

GENERAL NOTES

DESIGN DATA
H20-S16-44 Loading
Fs = 20,000
Pc = 1,200#
n = 10

MATERIALS
All concrete class A-1 unless otherwise noted.

ADMIXTURE
Admixture of "plastiment" or approved equal shall be added to all concrete according to manufacturers recommendations.

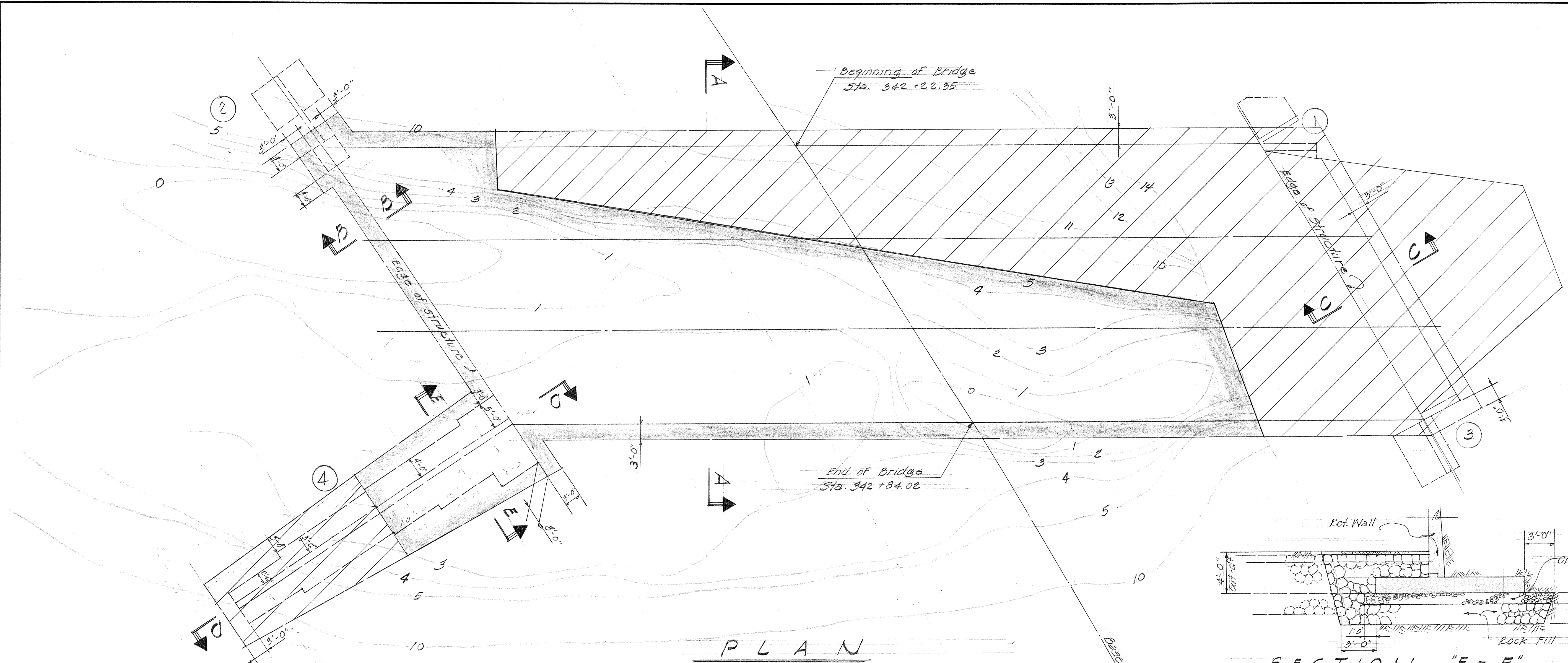


LONG. SECT. ALONG #2
Scale: 1"=5'-0"

Unsuitable materials when ordered by the Engineer shall be removed. Yardage of unsuitable material removed shall be paid for as Struct. Exc. Backfill under structure shall be select material. Refer to sec. 13.26 of 3rd Spec.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KAHAUIKI BRIDGE
THREE CELL BOX
Sta. 342+23.35 to Sta. 342+84.02
Moanalua Rd. Proj. No. 5-0720(1)
January 1958 UNIT #2

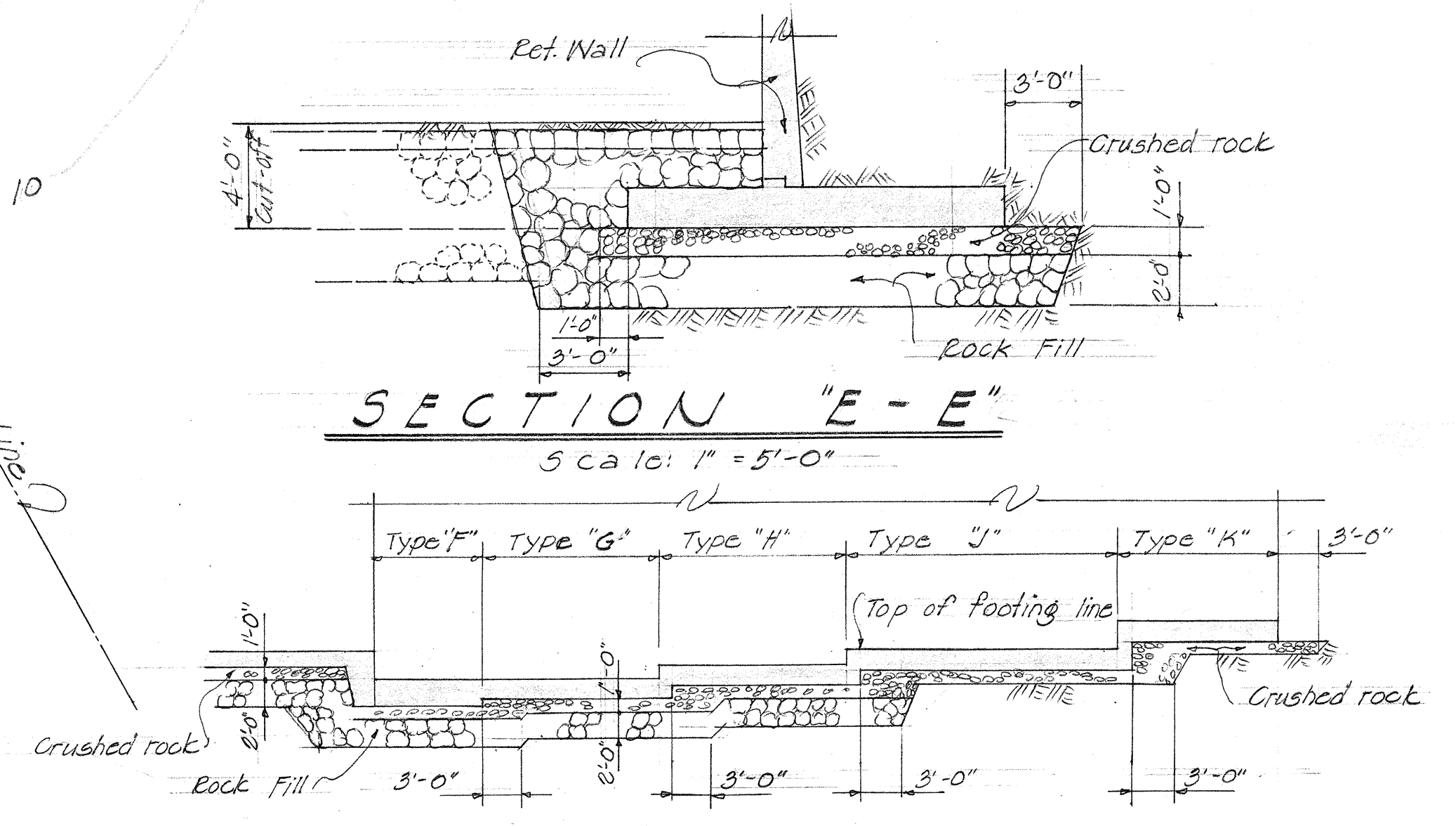
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS



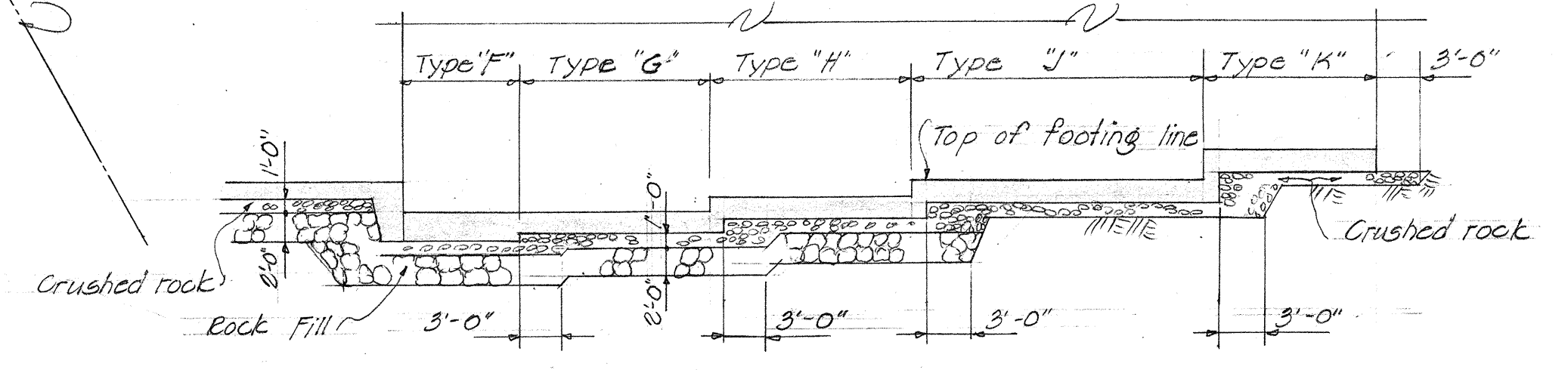
PLAN
Scale: 1" = 10'-0"

Portion to be Crushed rock
 Portion to be Crushed rock and Rock Fill

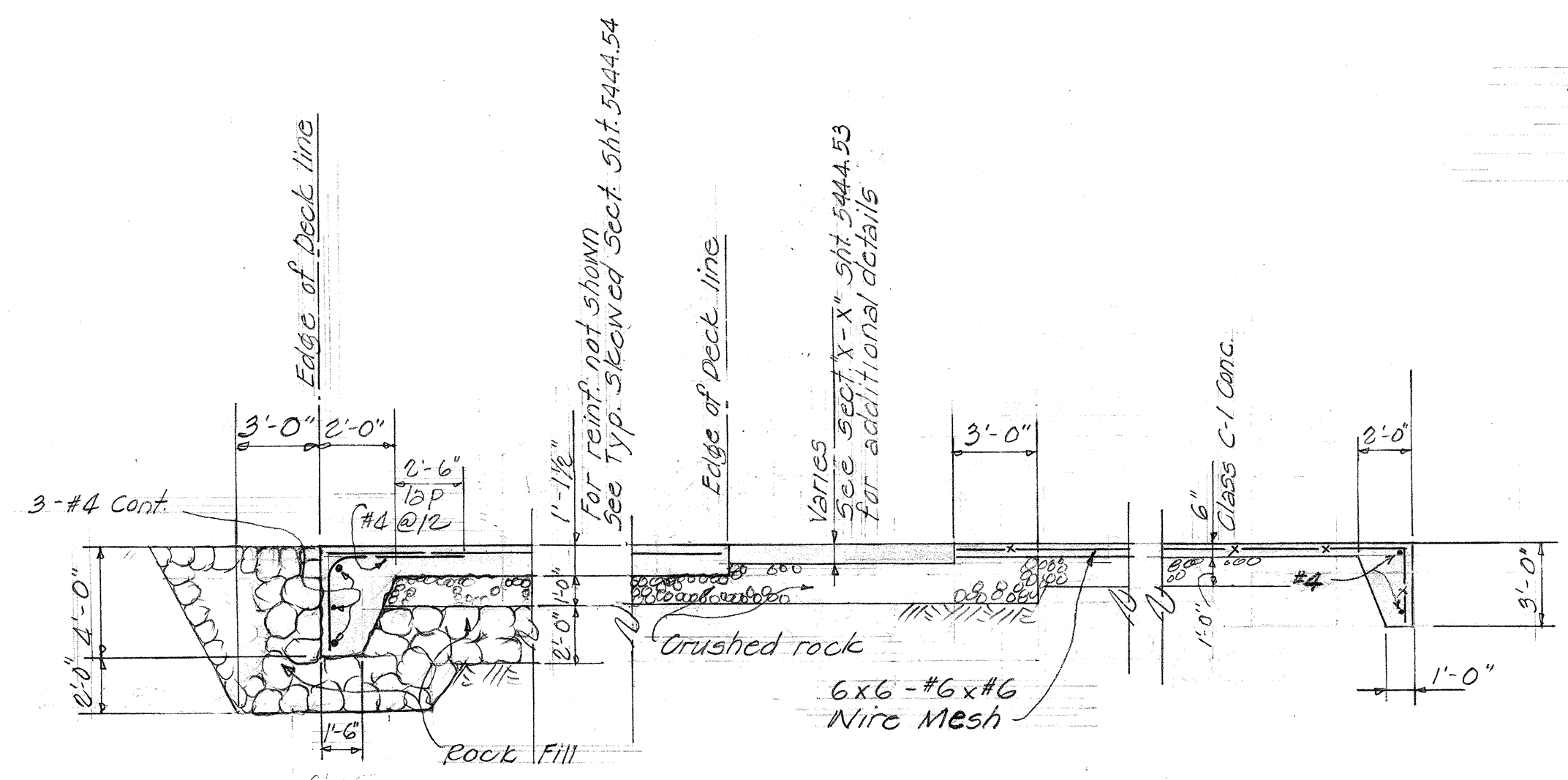
NOTE!!
Exact limits of rock fill and crushed rock shall be determined by the Engineer in the field.



SECTION "E-E"
Scale: 1" = 5'-0"

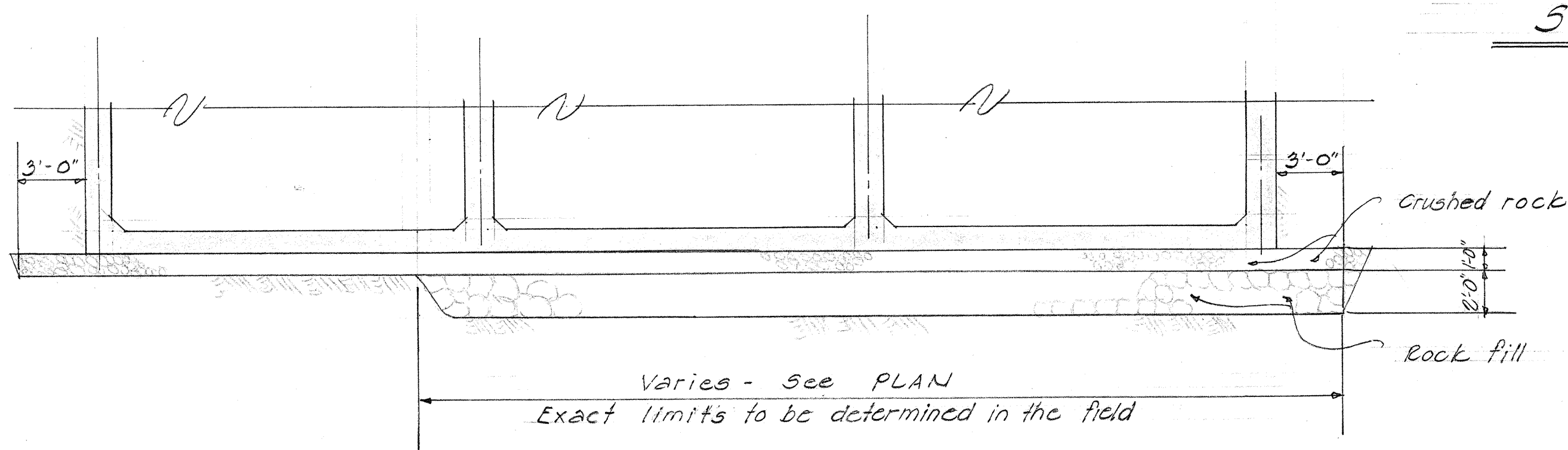


SECTION "D-D"
Scale: 1" = 10'-0"



SECT. "B-B"
Scale: 1" = 5'-0"

SECT. "C-C"
Scale: 1" = 5'-0"



SECTION "A-A"
Scale: 1" = 5'-0"

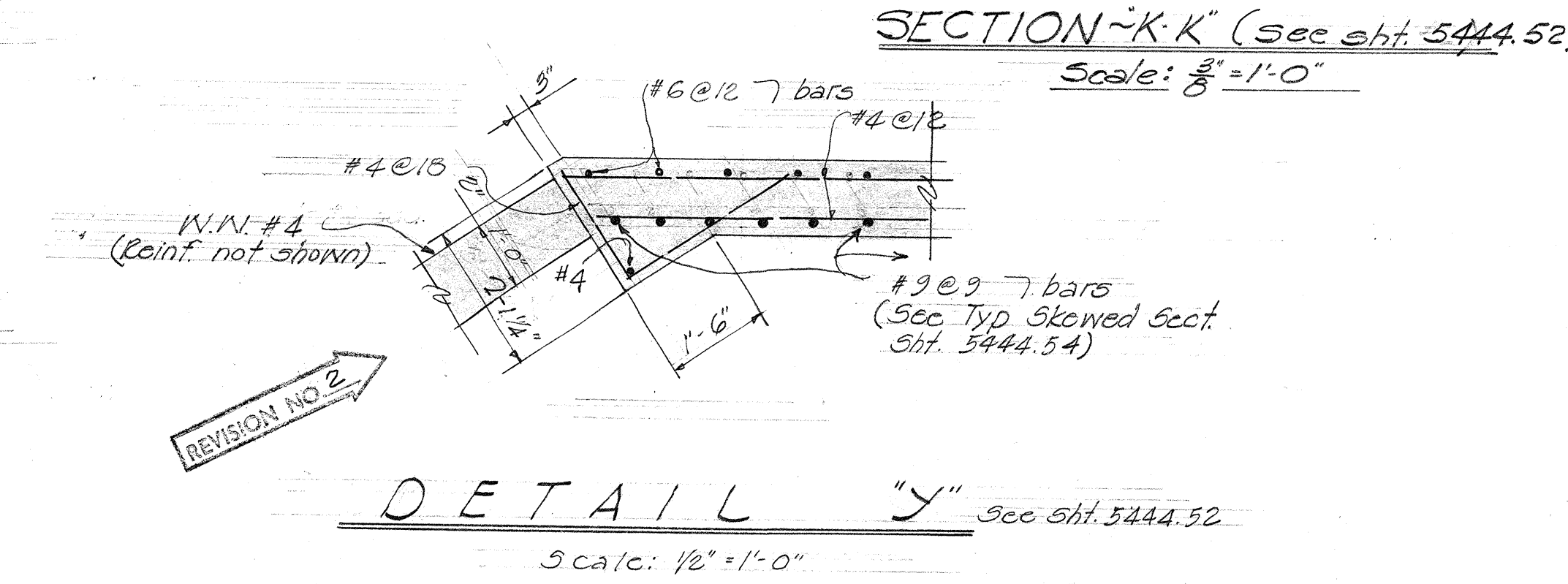
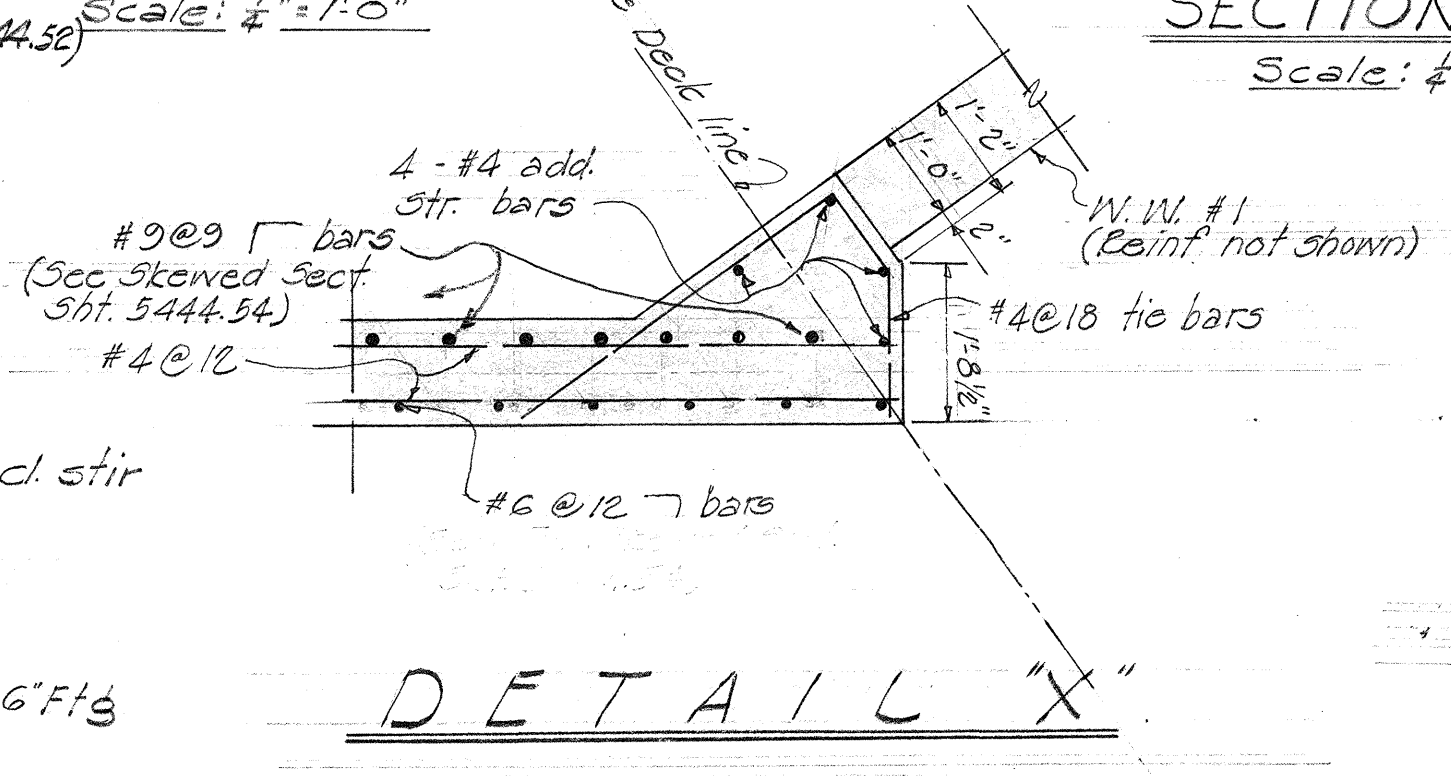
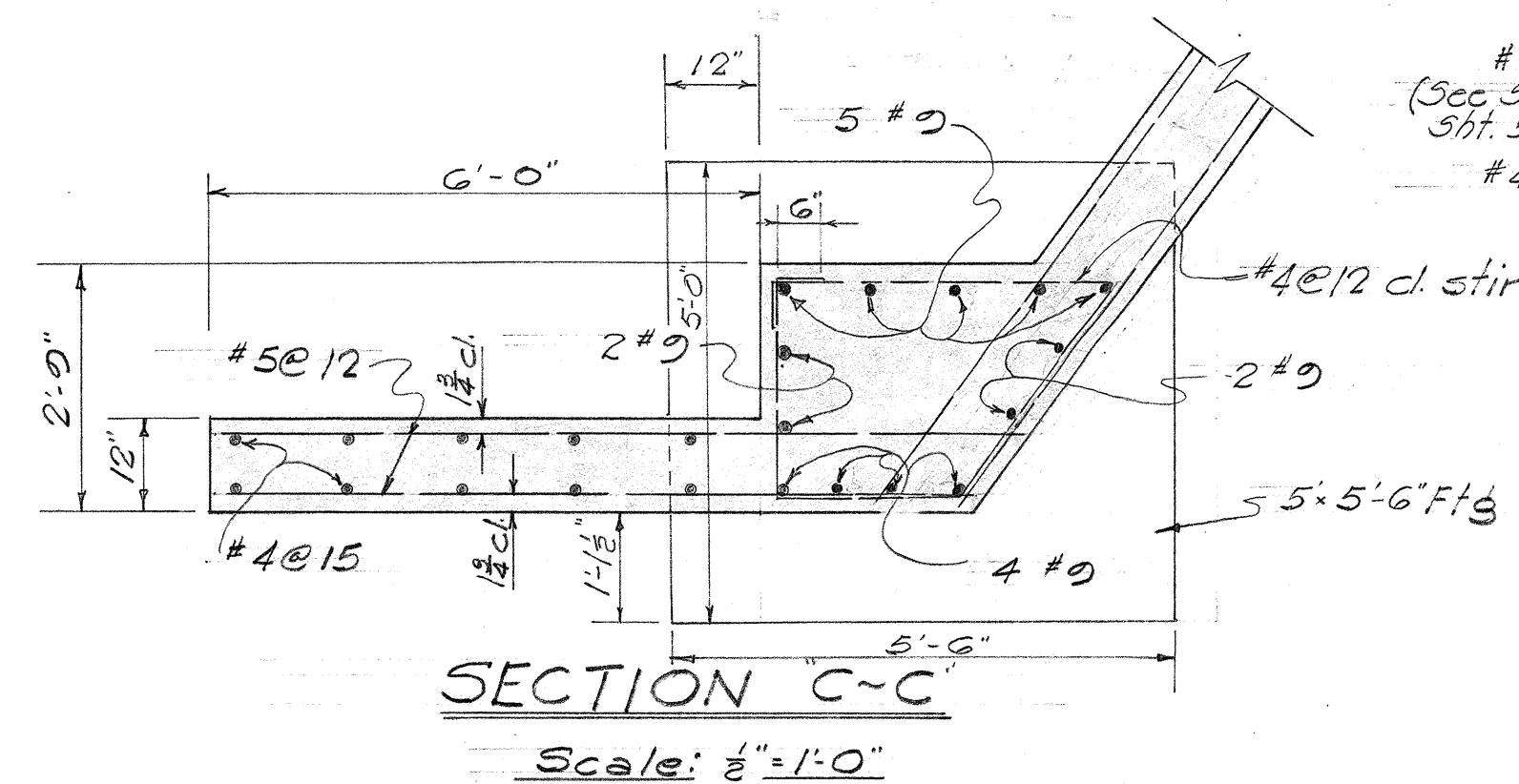
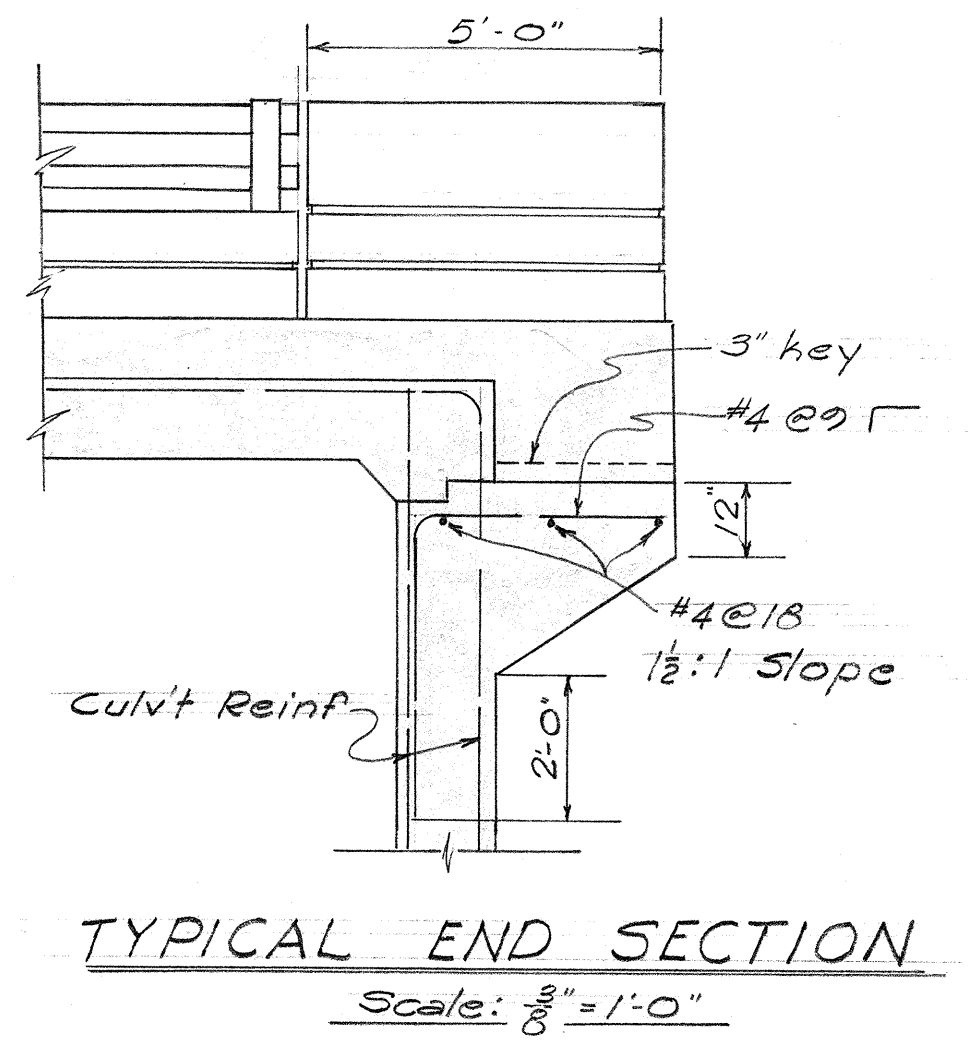
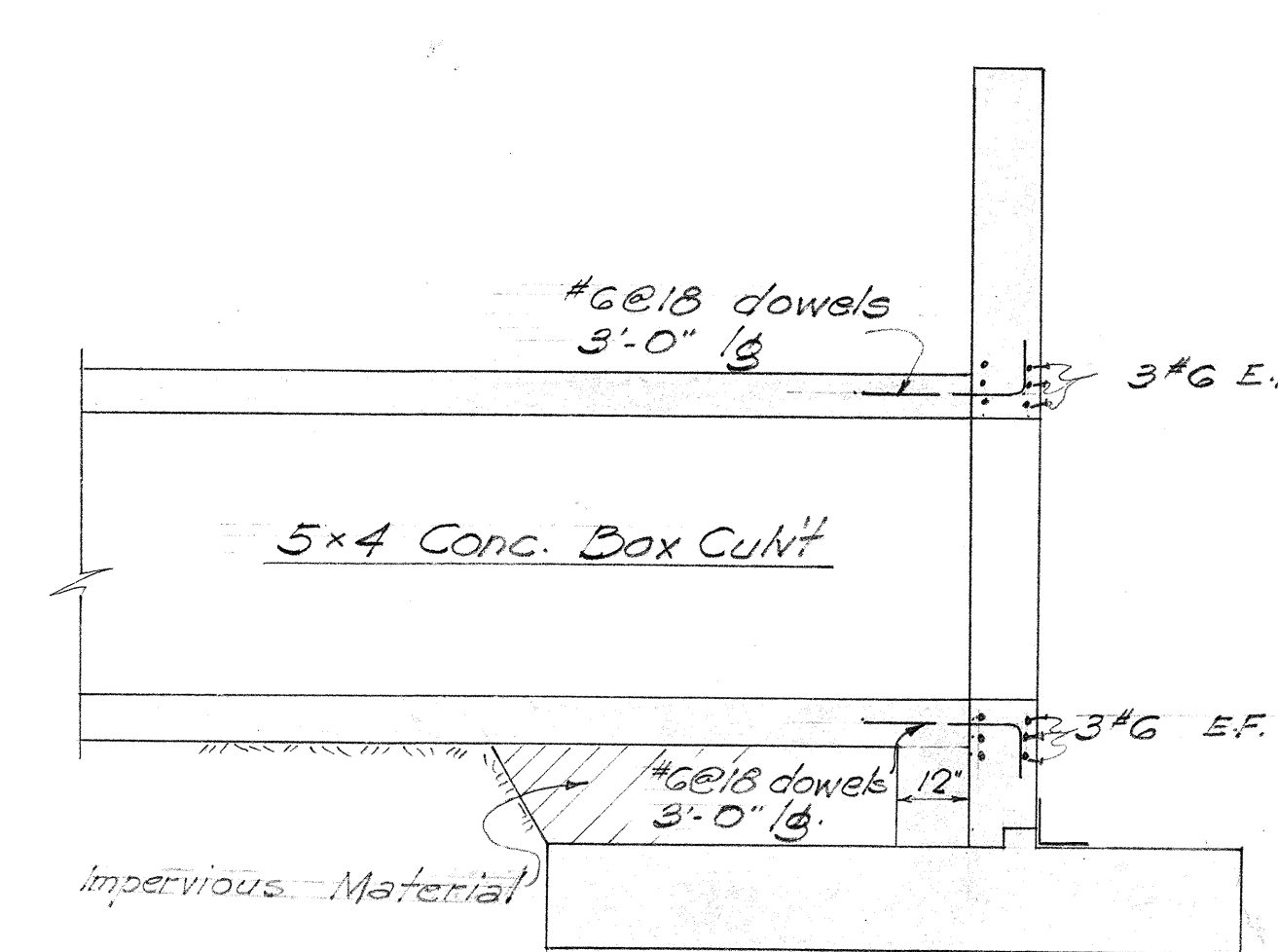
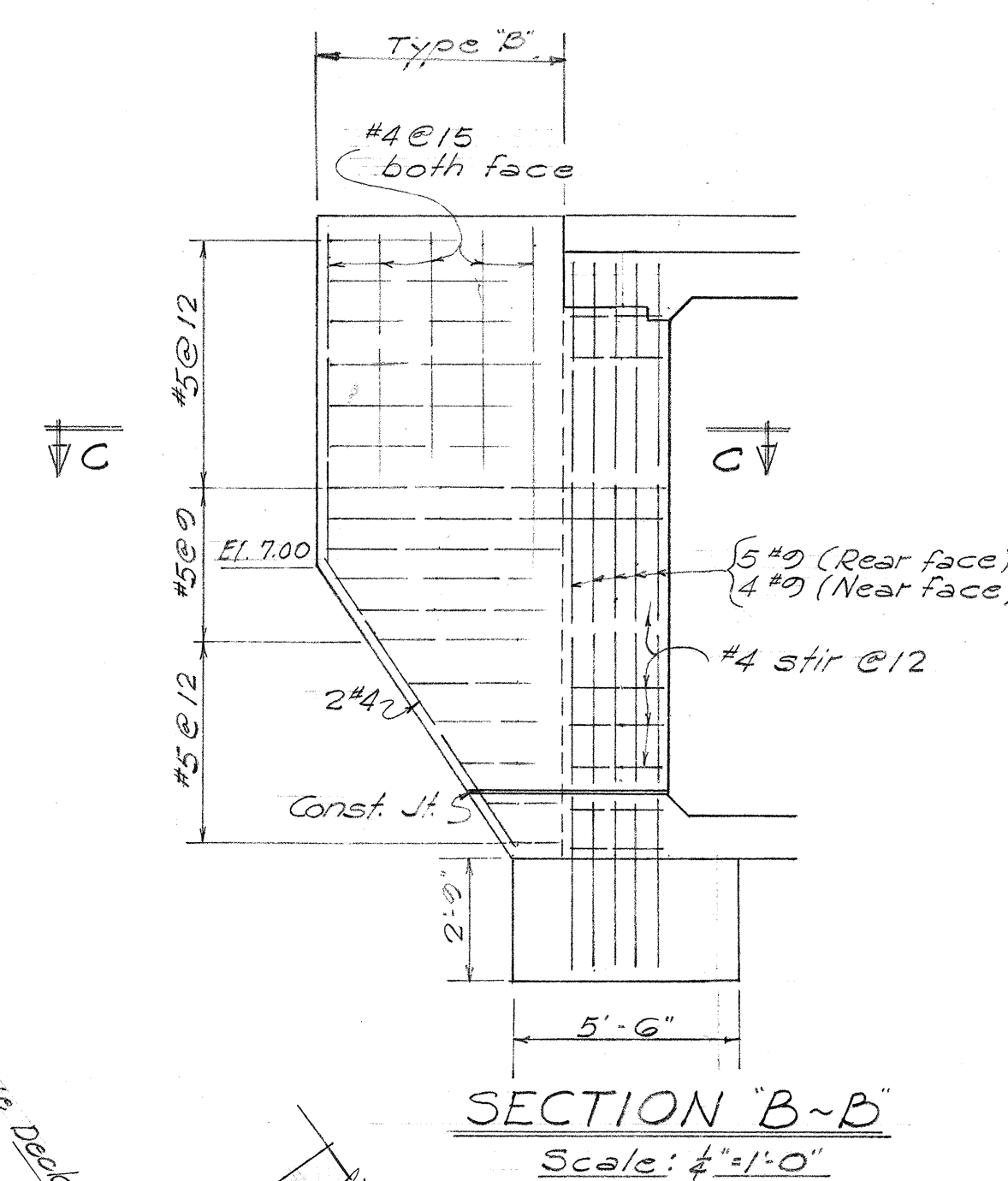
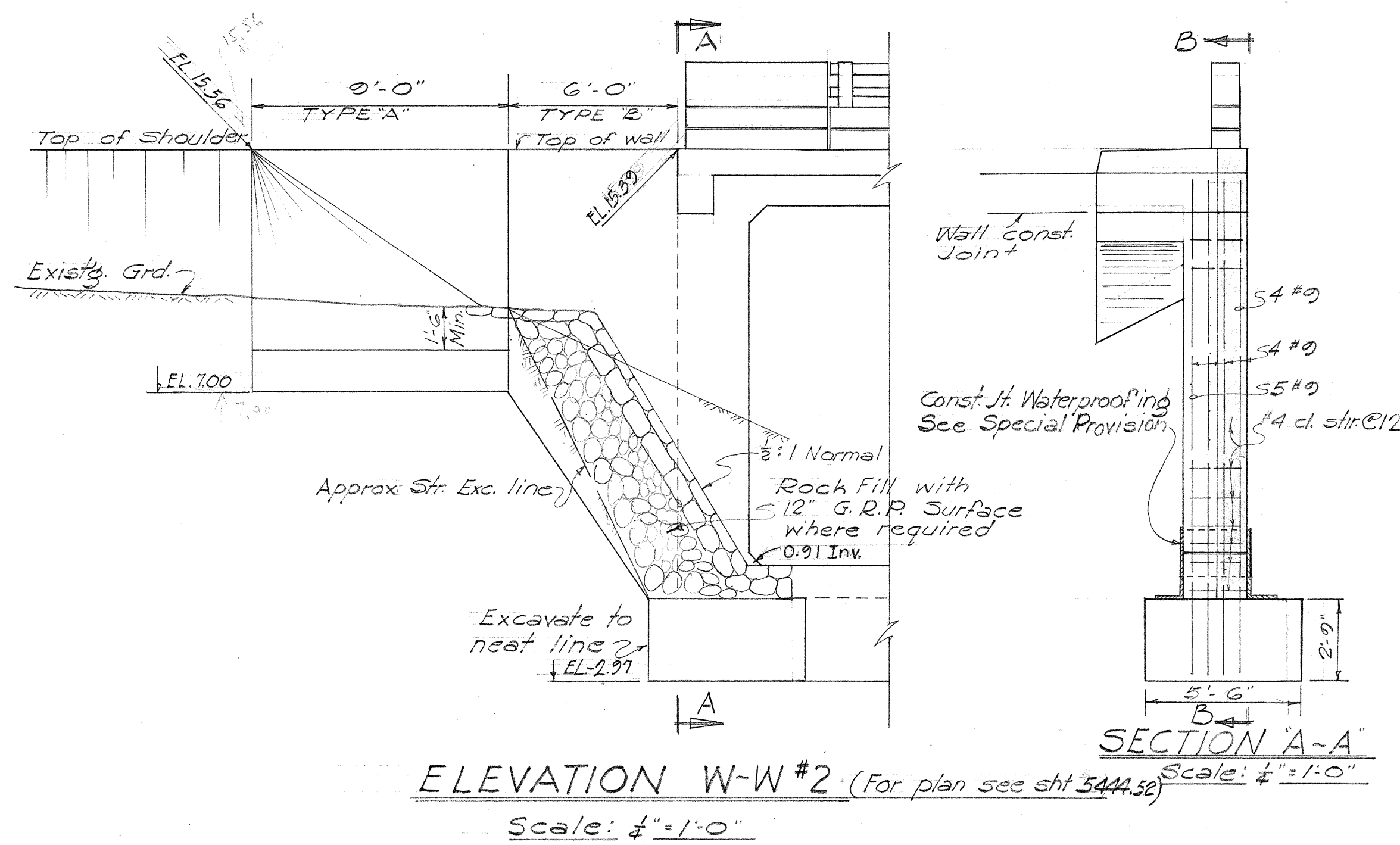
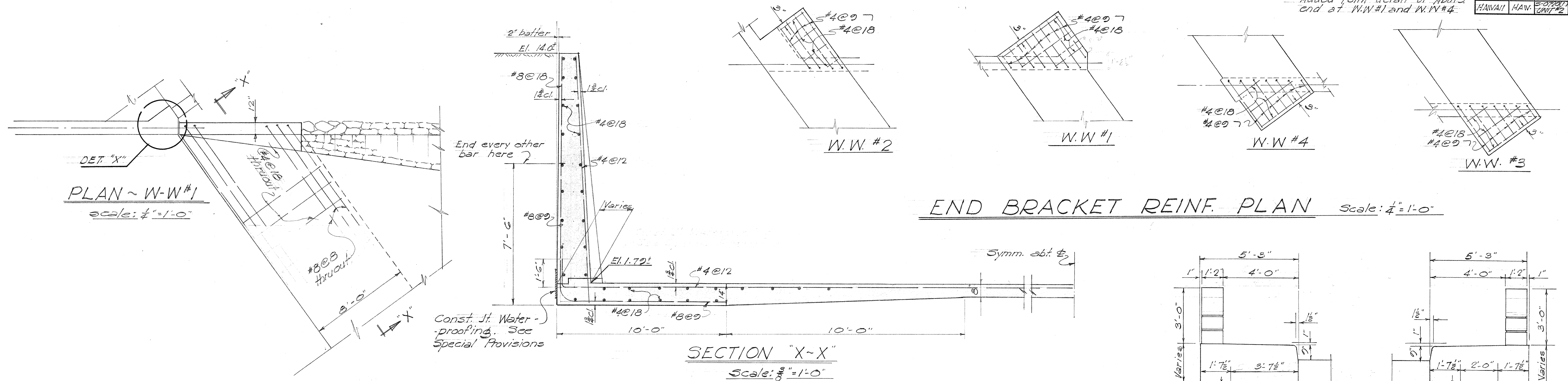
TERRITORIAL HIGHWAY DEPARTMENT
 TERRITORY OF HAWAII
SPECIAL BASE COURSE
FOR THREE CELL BOX
 Sta. 342+22.35 TO 342+84.02
 Moanalua Rd. Proj. No. 5-0720(C)
 June, 1959

SHEET NO. OF SHEETS

5444.51A

ORIGINAL PLAN	DATE
NO.	
SURVEY PLOTTED BY	
DESIGNED BY	
DRAWN BY	
CHECKED BY	
NOTED BY	

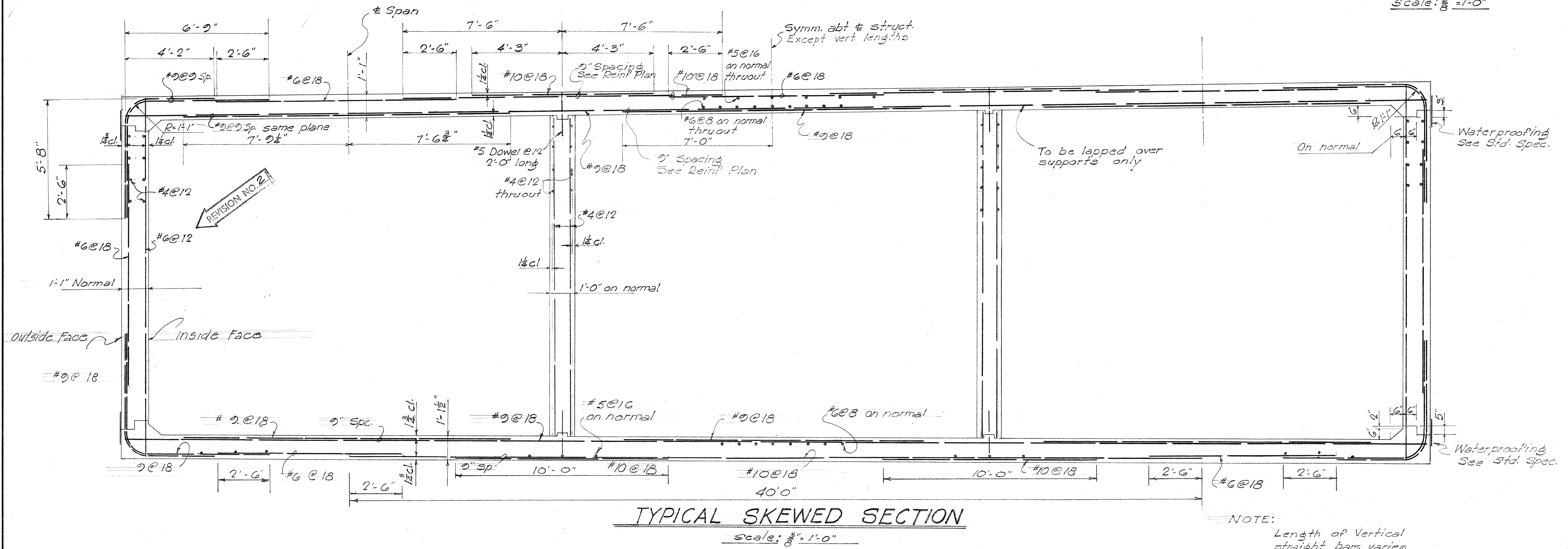
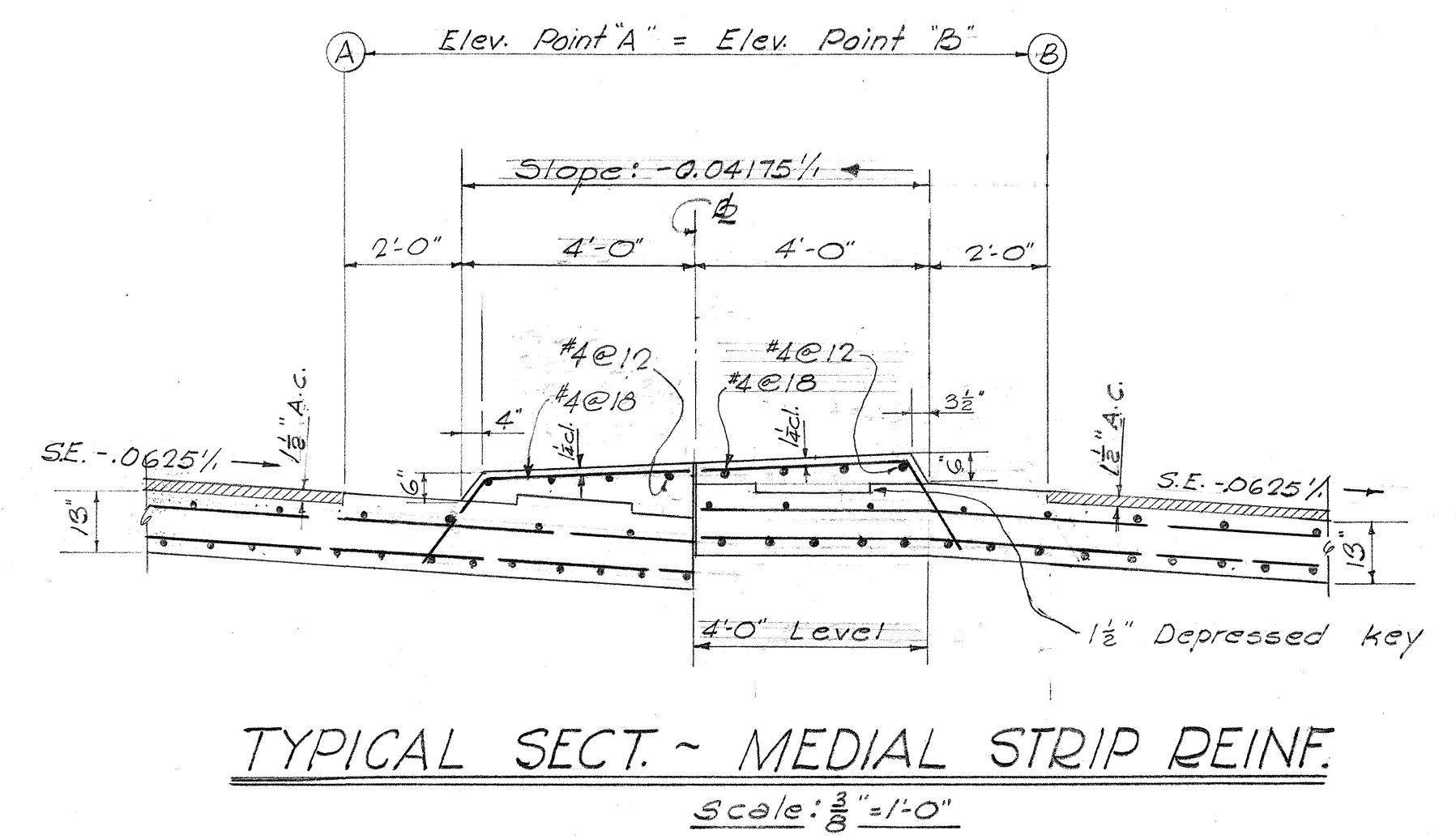
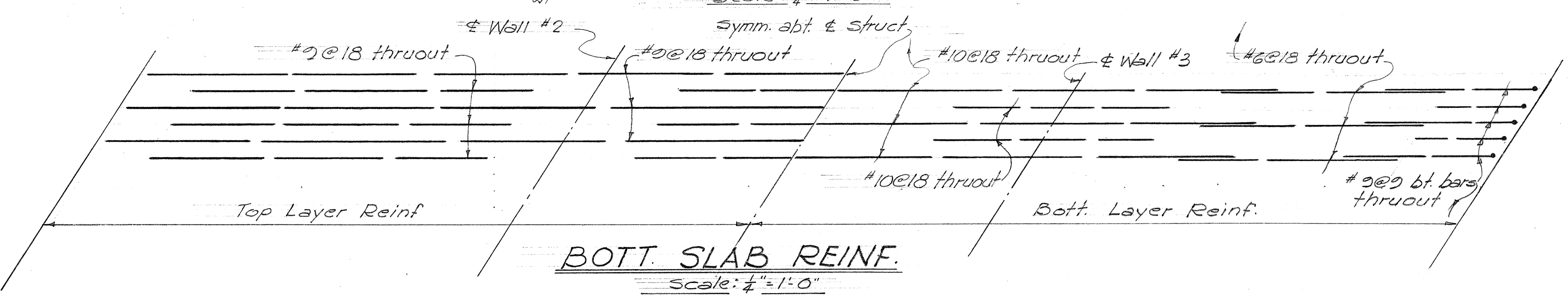
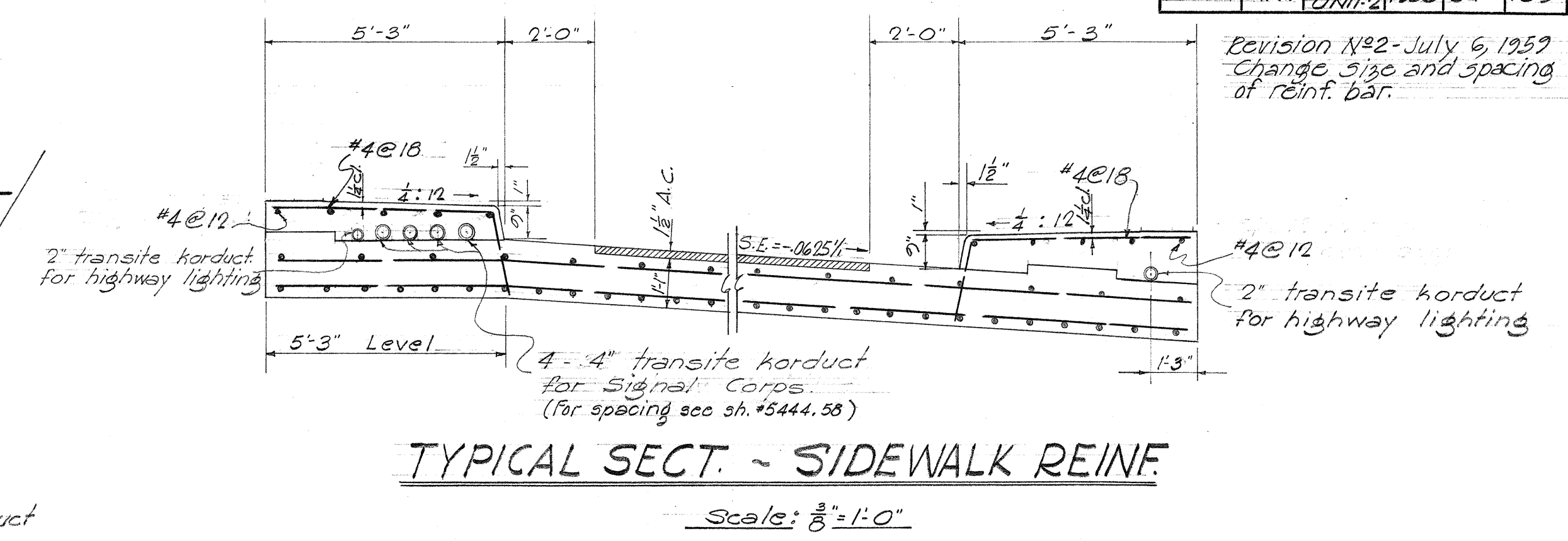
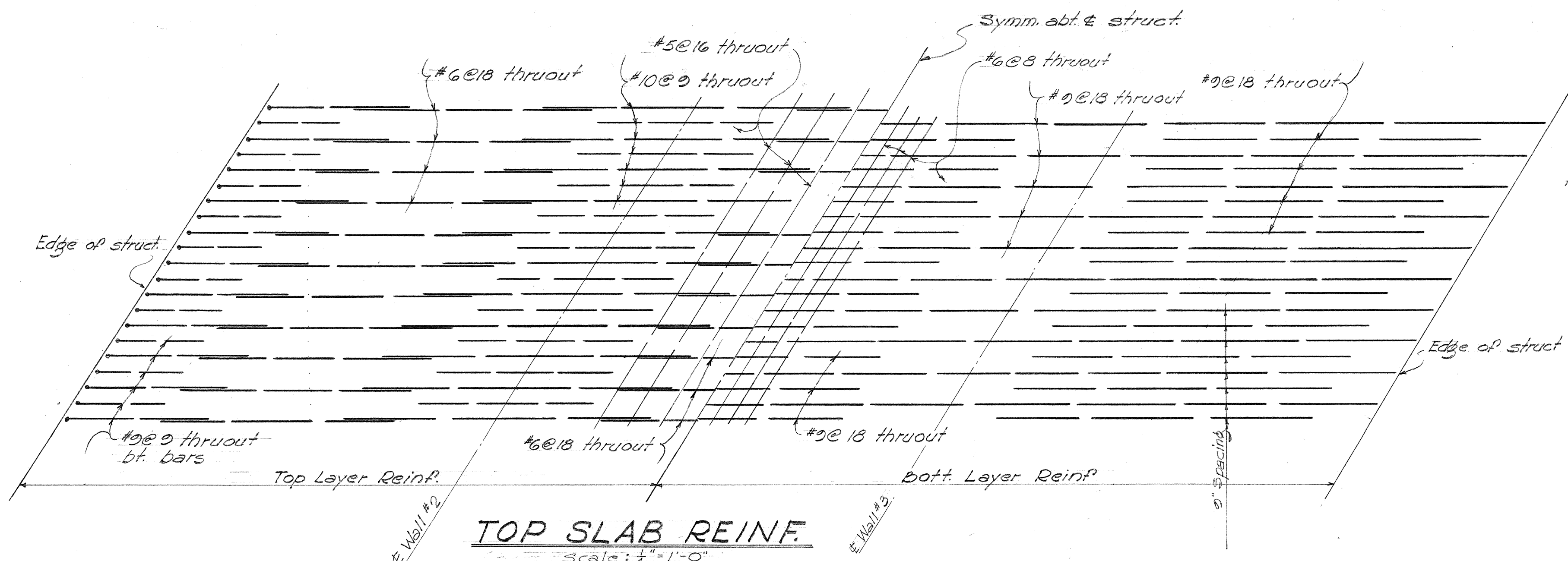
Revision No 2 - July 6, 1959
Added reinf detail of Abutts.
end at W.W #1 and W.W #4



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KAHAUHIKI BRIDGE
THREE CELL BOX
Sta. 342+22.35 ~ Sta. 342+84.02
Moanalua Rd. Proj. No. S-0720(1)
MARCH 1958 UNIT ~ 2

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	5-0720	UNIT 2	54	109

Revision No. 2 - July 6, 1959
Change size and spacing of reinf. bar.



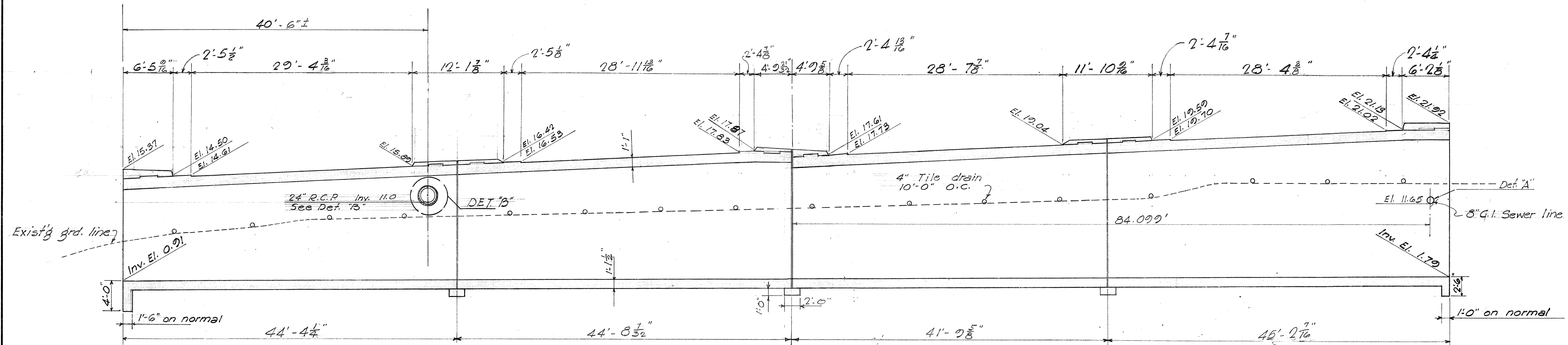
NOTE:
Length of Vertical straight bars varies

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KAHAULIKI BRIDGE
THREE CELL BOX
Sta. 342+22.35 to Sta. 342+84.02
Moanalua Rd. Proj. S-0720(1)
January 1958 UNIT-2

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
QUANTITIES CHECKED BY	
NOTE BOOK	
No.	

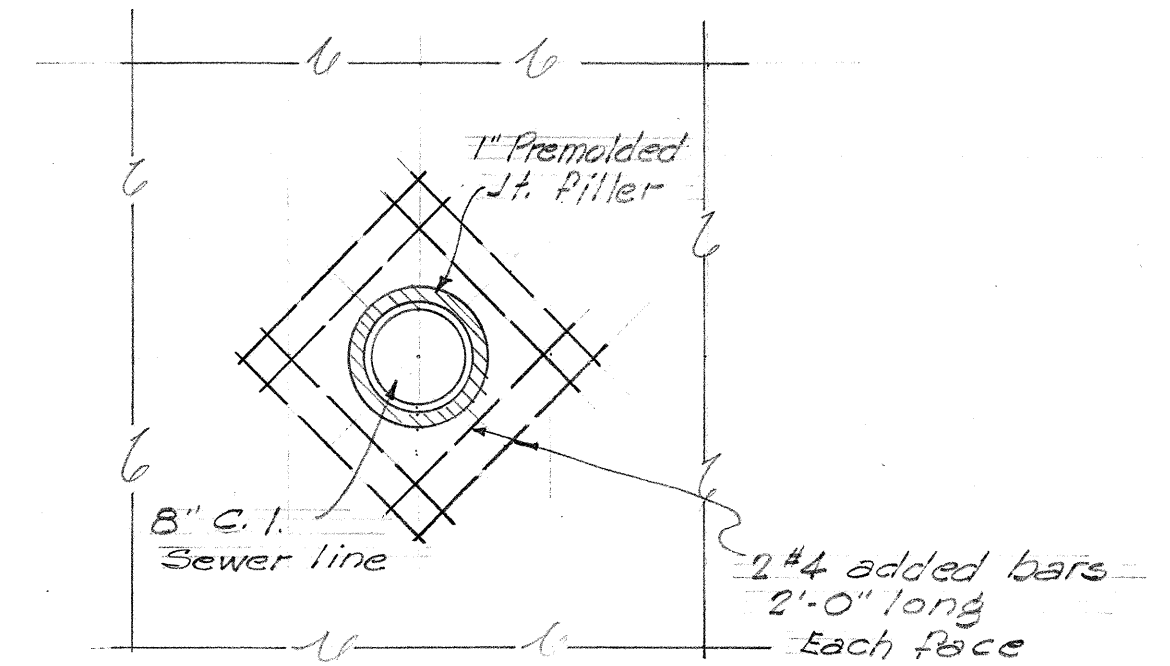
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	5-0720 UNIT-2	1953	55	100

Revision N2-- July 6, 1959-- Added reinf. detail for 24" R.C.P. pipe

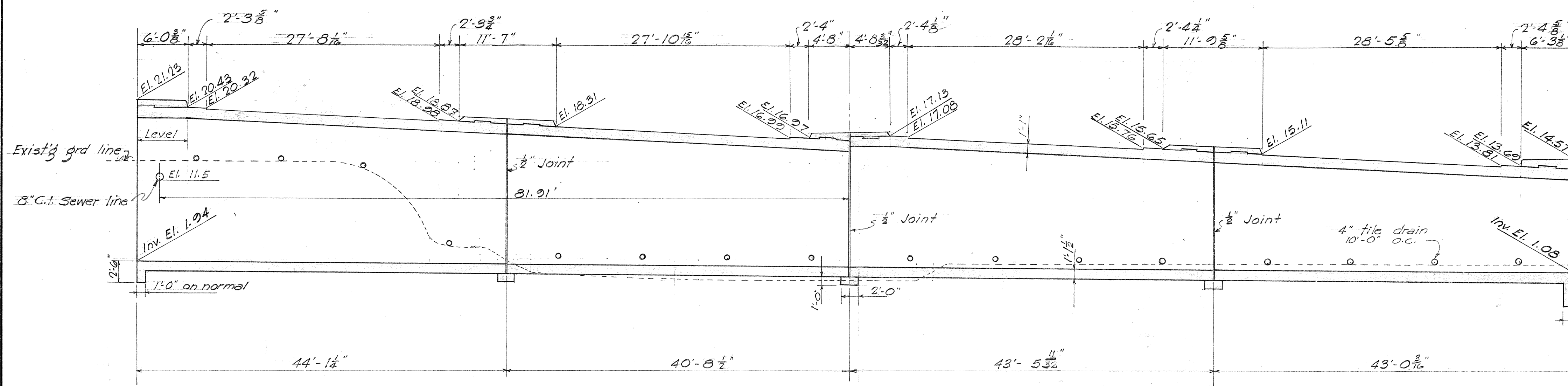


ELEVATION ~ WALL #1 (STA. 342+23)

Scale: $\frac{1}{8}$ " = 1'-0"

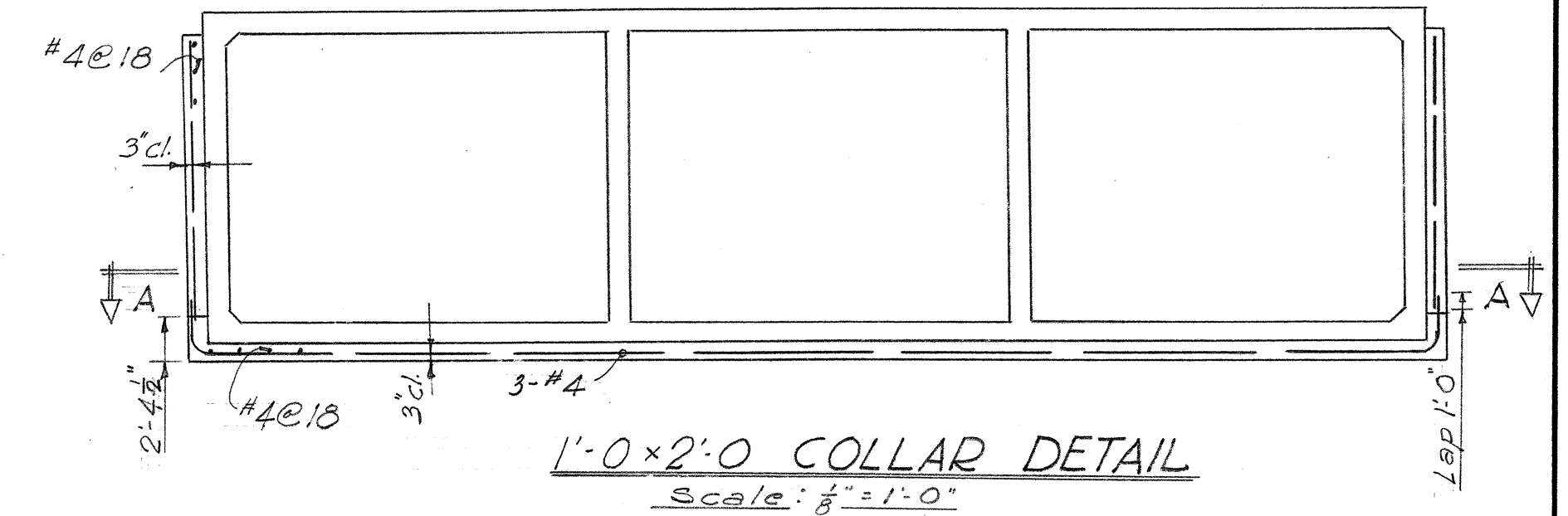


DETAIL "A"
Scale: $\frac{1}{8}$ " = 1'-0"



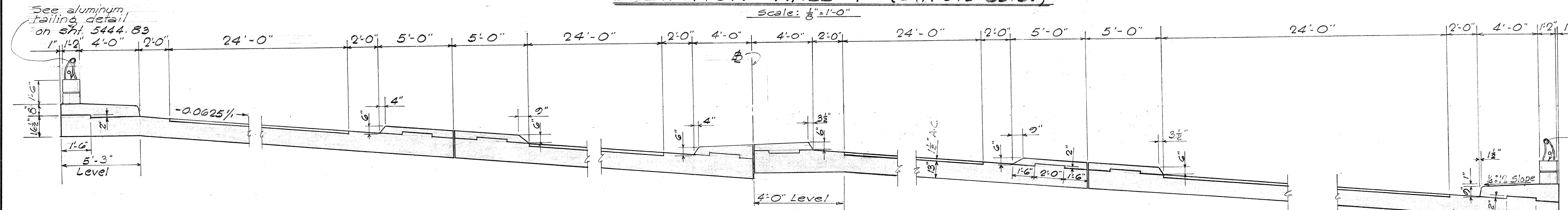
ELEVATION ~ WALL #4 (STA. 342+83.30)

Scale: $\frac{1}{8}$ " = 1'-0"



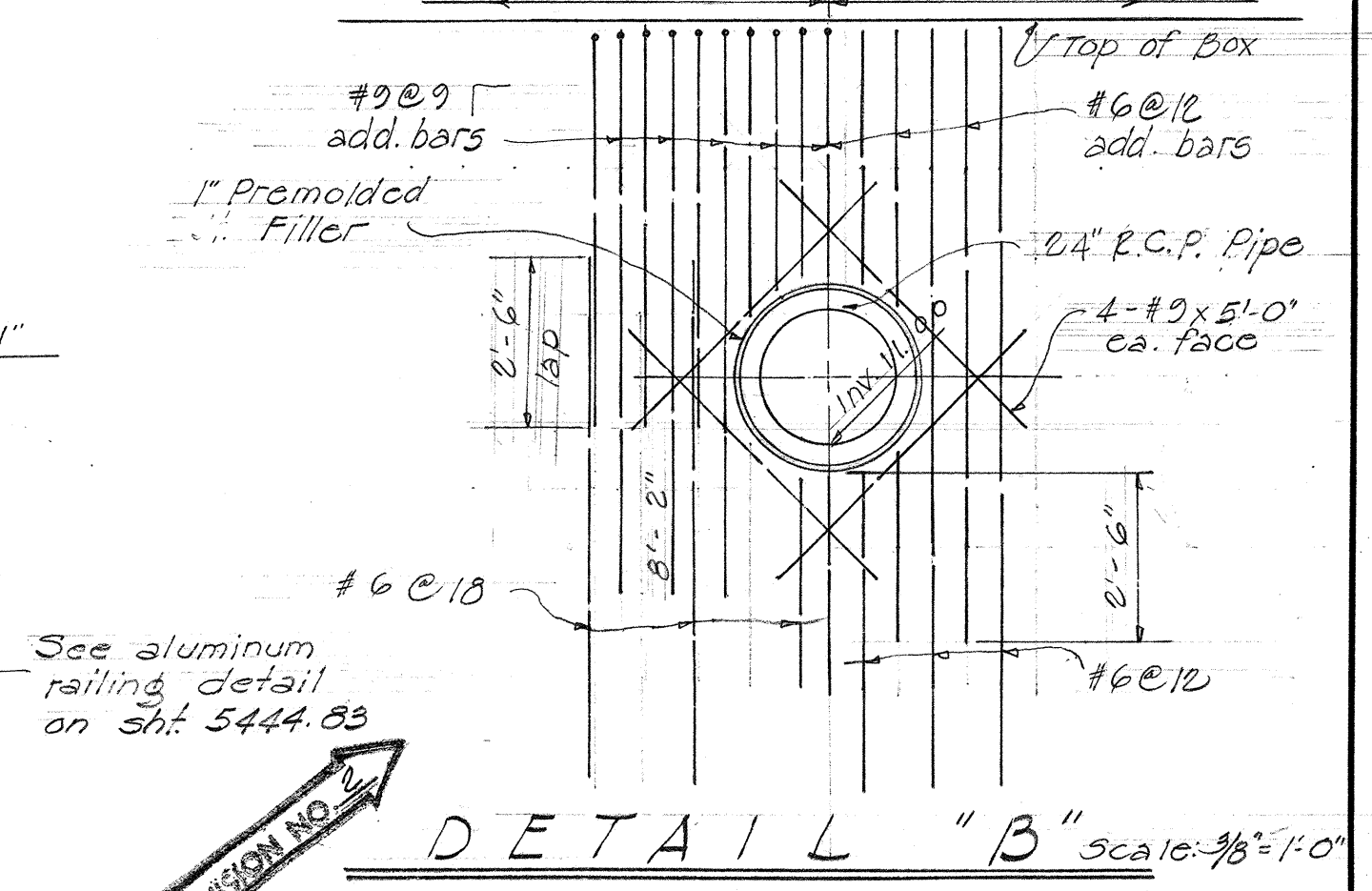
SECTION "A-A" Scale: $\frac{1}{8}$ " = 1'-0"

Reinf. - Outside Face - Wall
Reinf. - Inside Face - Wall



NORMAL SECTION

Scale: $\frac{1}{4}$ " = 1'-0"



DETAIL "B" Scale: $\frac{1}{8}$ " = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KAHAULIKI BRIDGE
THREE CELL BOX
Sta. 342+22.35 to Sta. 342+84.02
Moanalua Rd. Proj. No. S-0720(1)
January 1953 UNIT-2

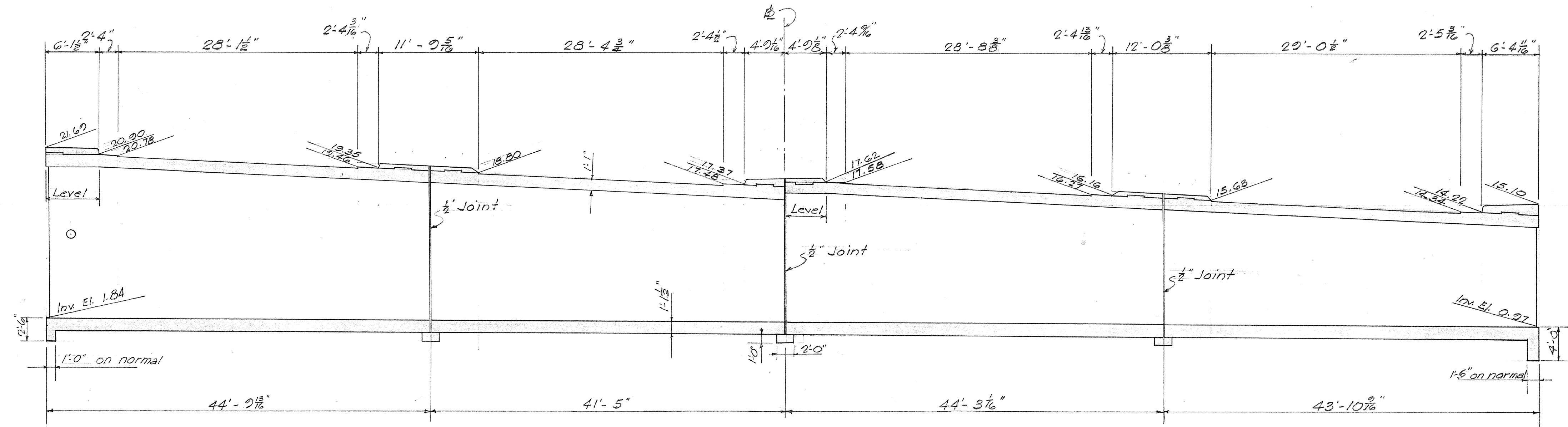
SHEET No. 5 OF 8 SHEETS

5444.55

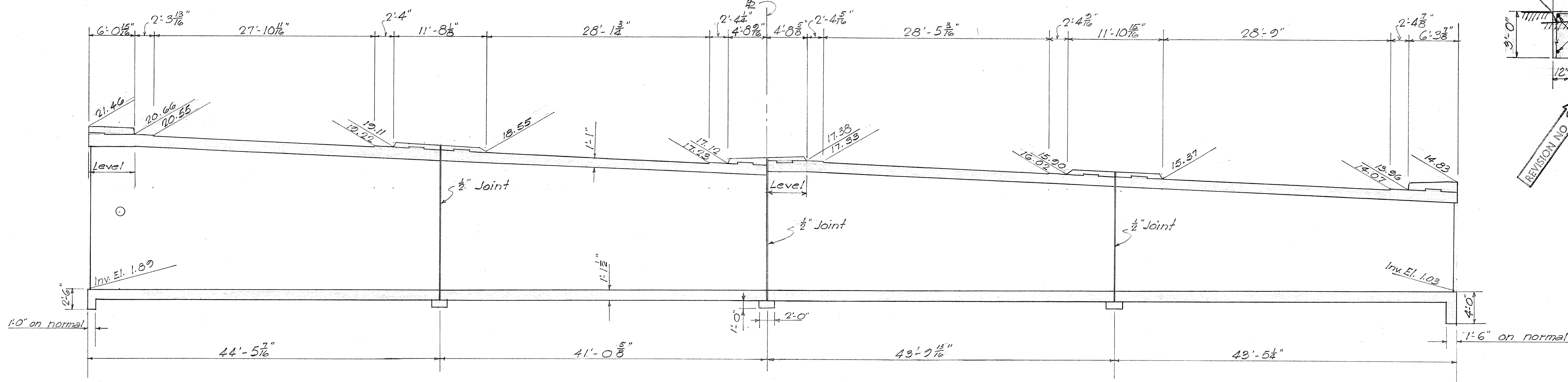
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES CHECKED BY	
NOTE BOOK NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	5-0720(1) UNIT-2	1958	56	100

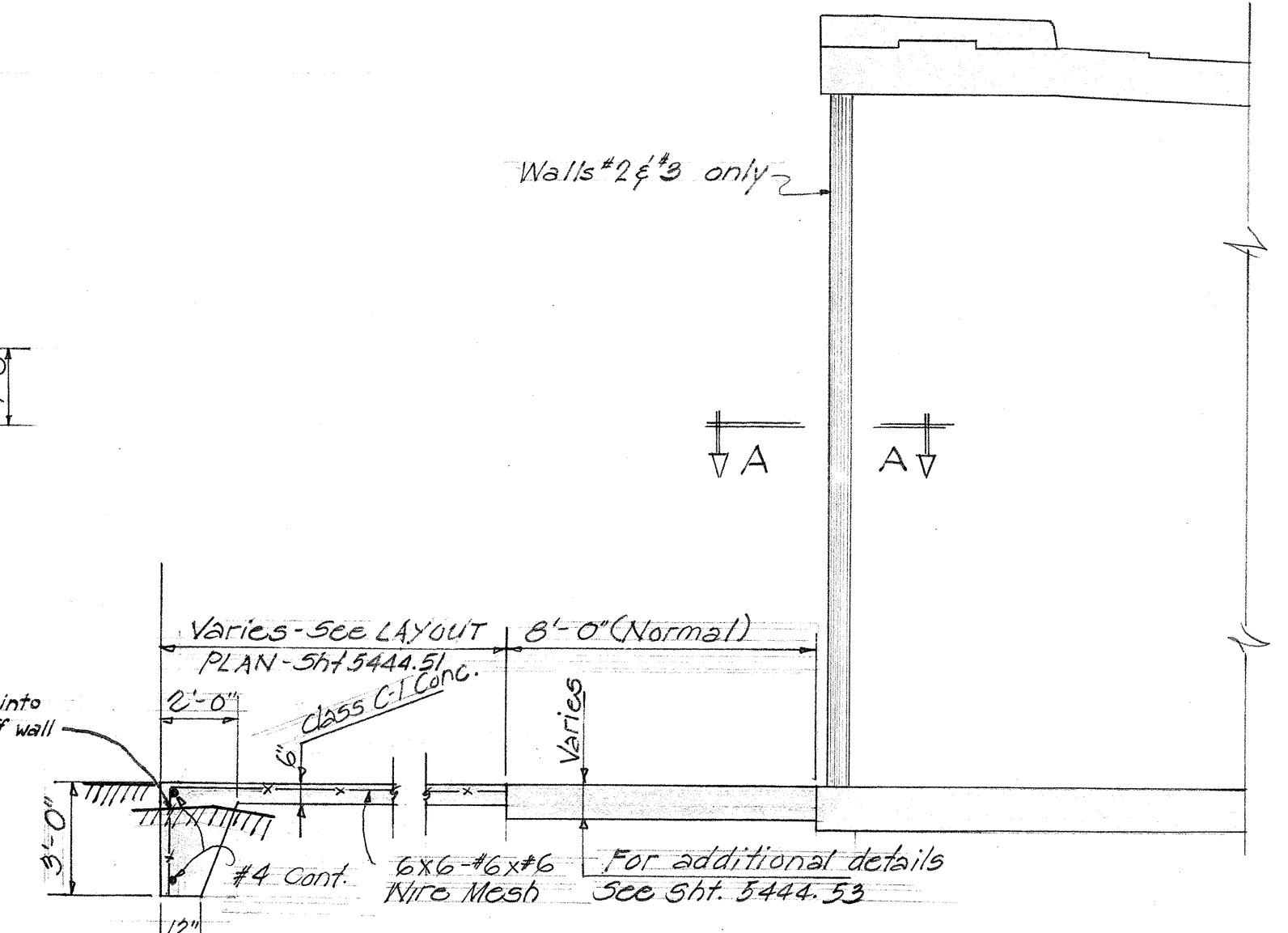
Revision N°2 - July 6, 1959
Approach Slab revised



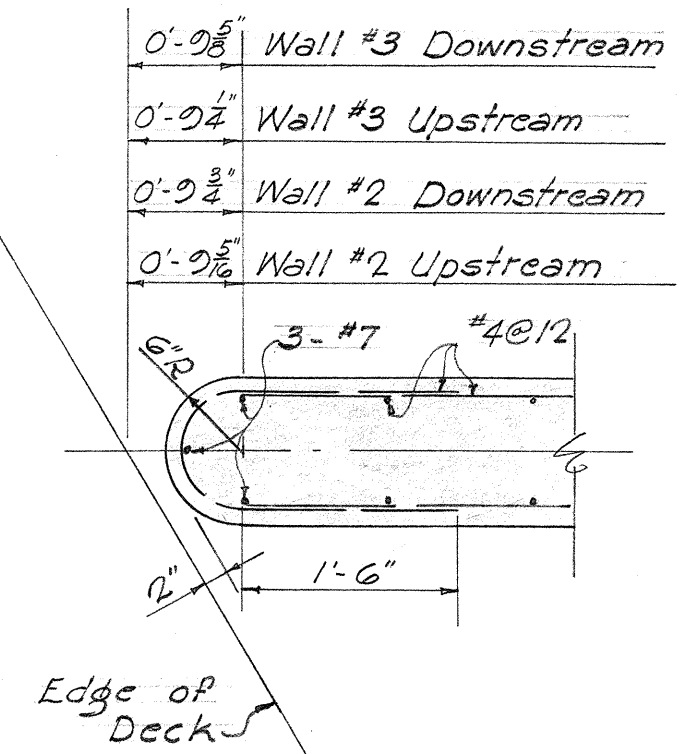
ELEVATION ~ WALL #2 (STA. 342+43.31)
Scale: 1/8" = 1'-0"



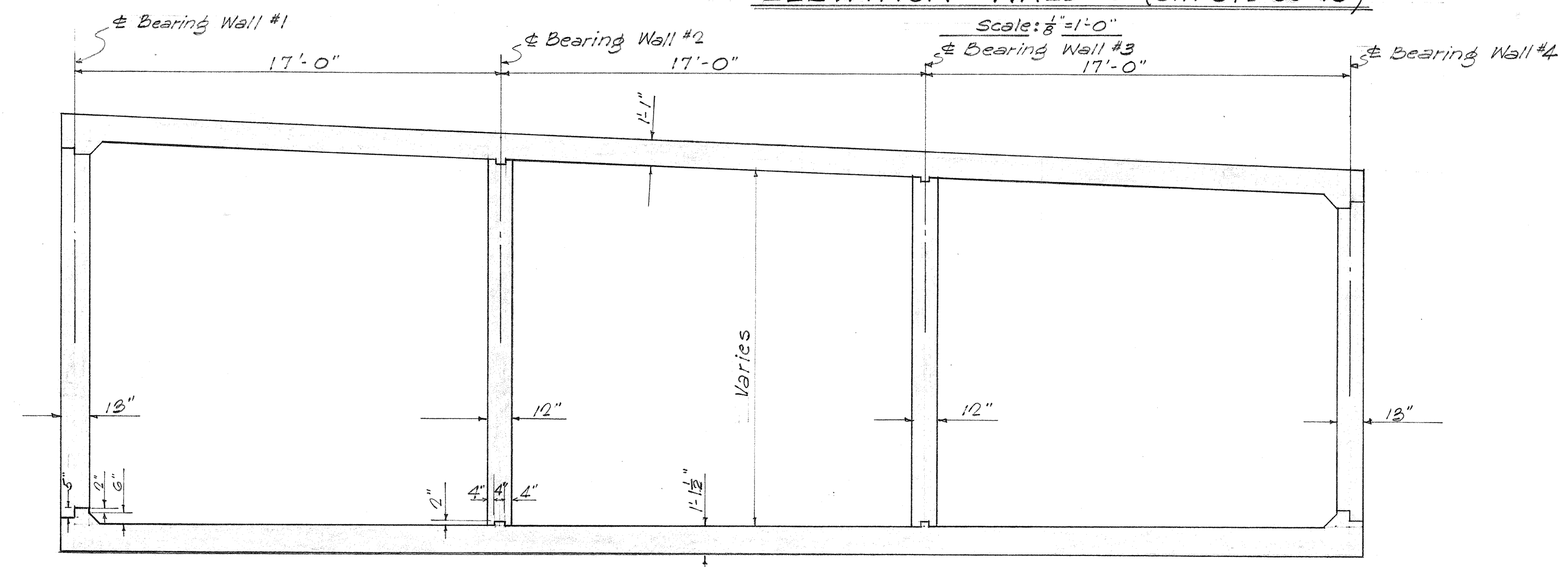
ELEVATION ~ WALL #3 (STA. 342+63.43)
Scale: 1/8" = 1'-0"



TYPICAL SECTION ~ APPROACH SLAB
Scale: 1/4" = 1'-0"



SECTION A-A
Scale: 3/4" = 1'-0"

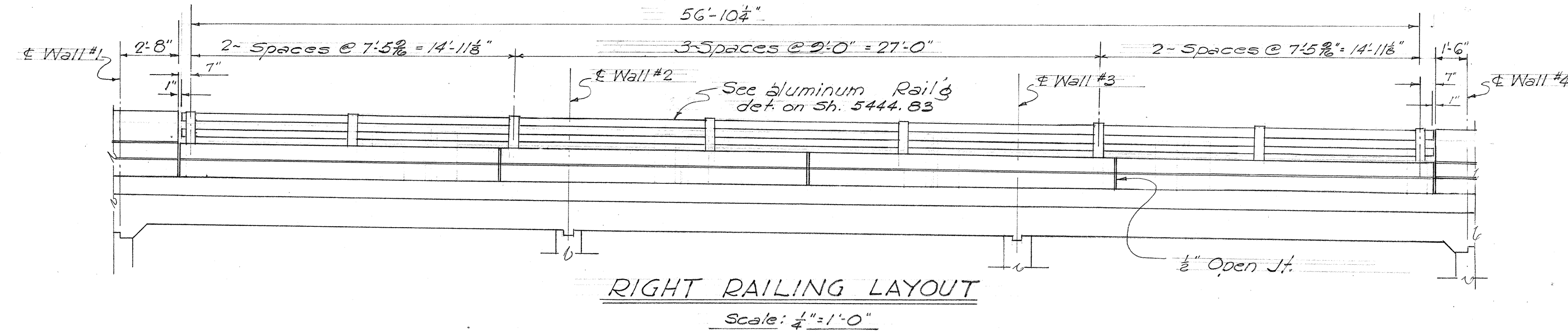
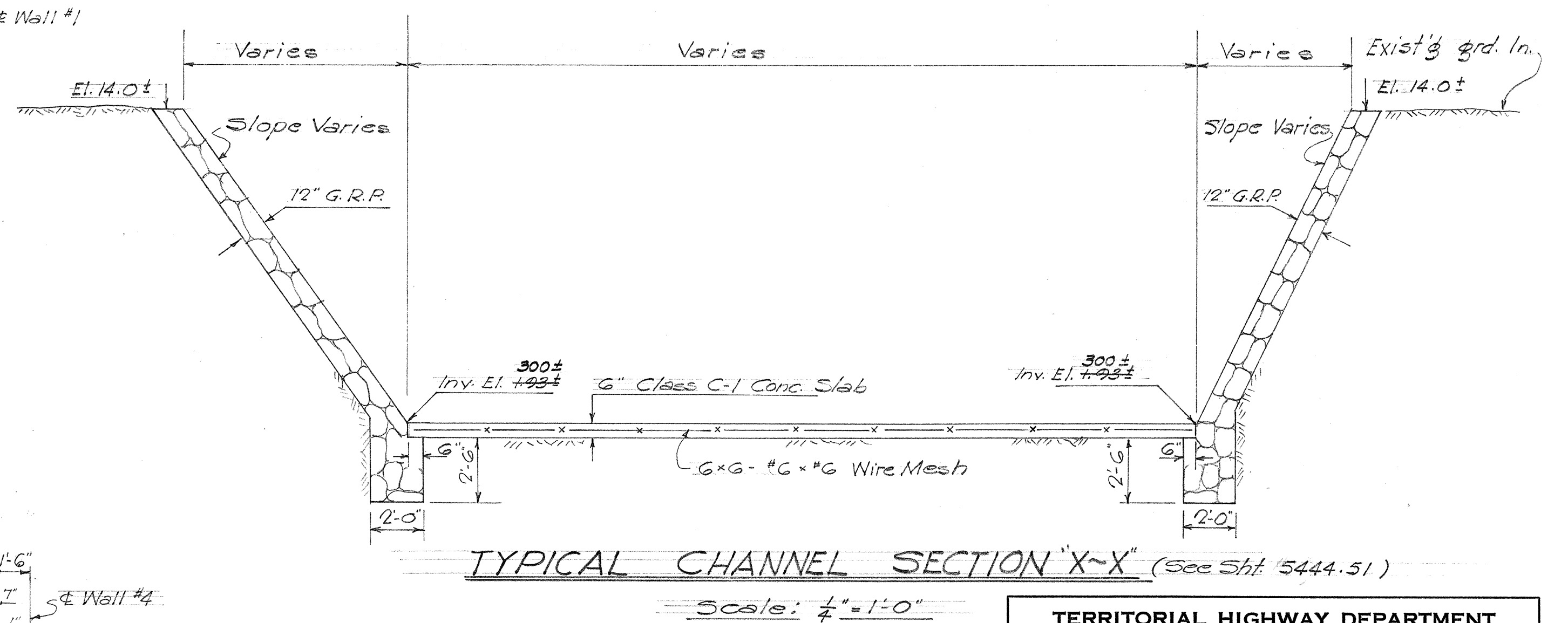
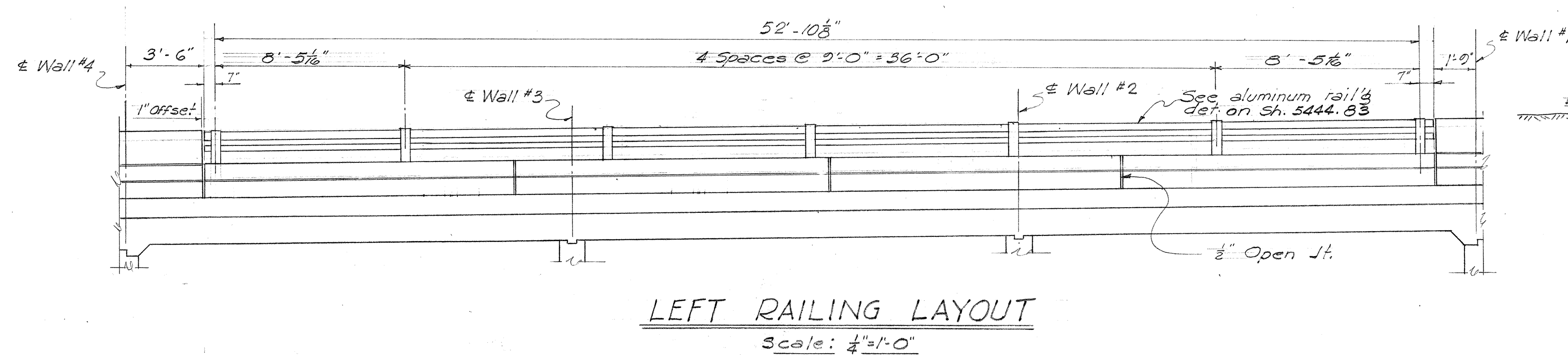
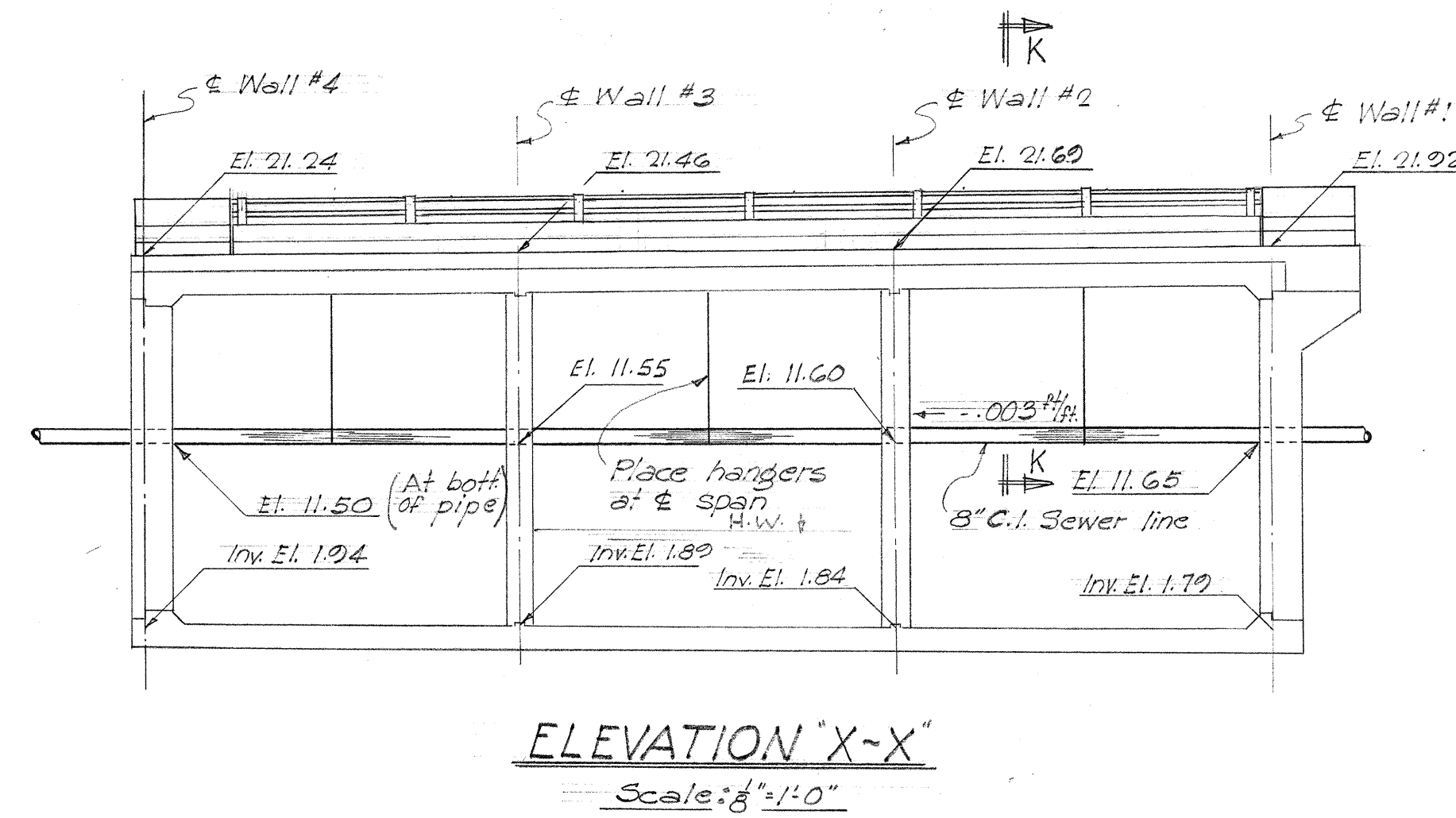
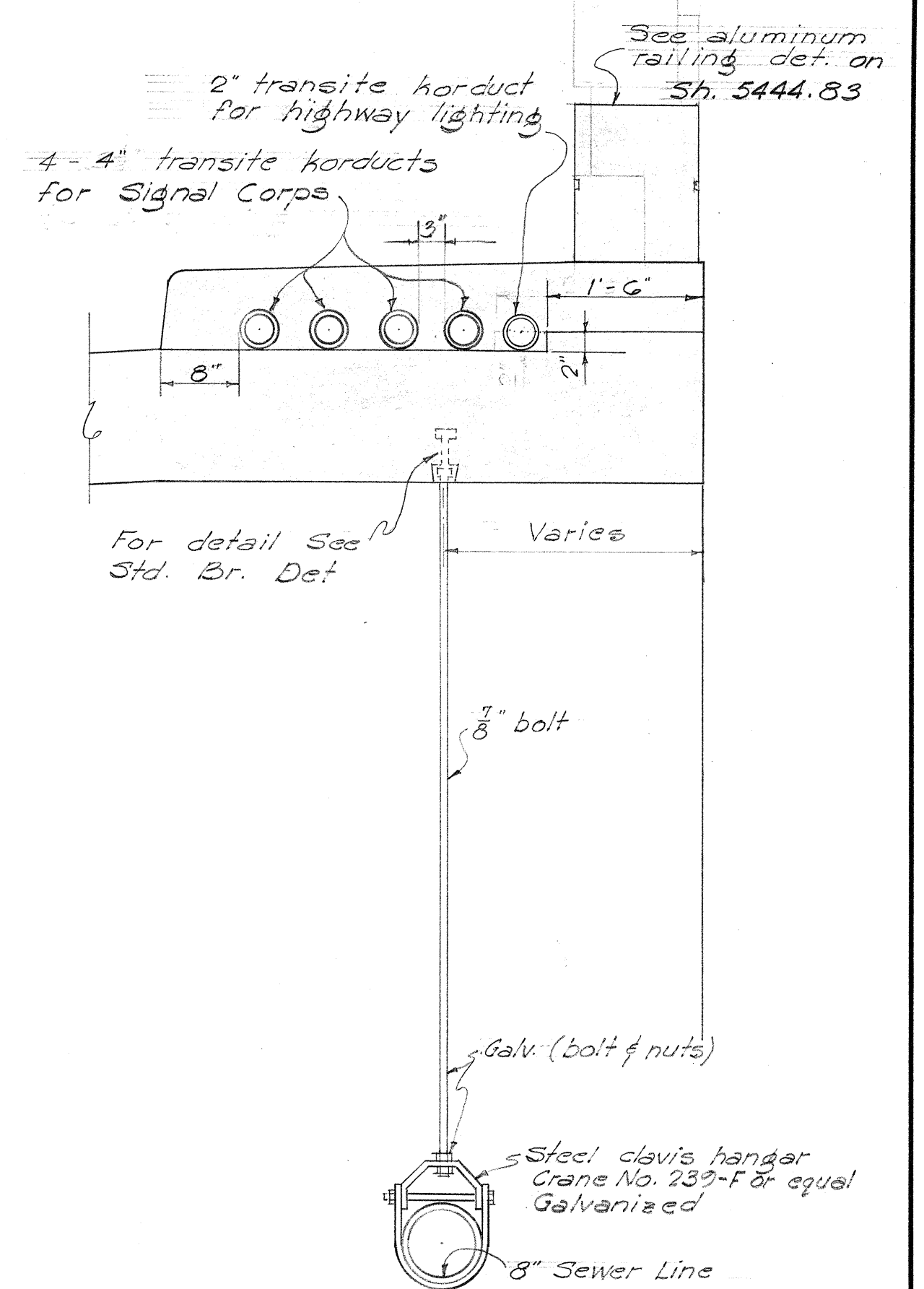
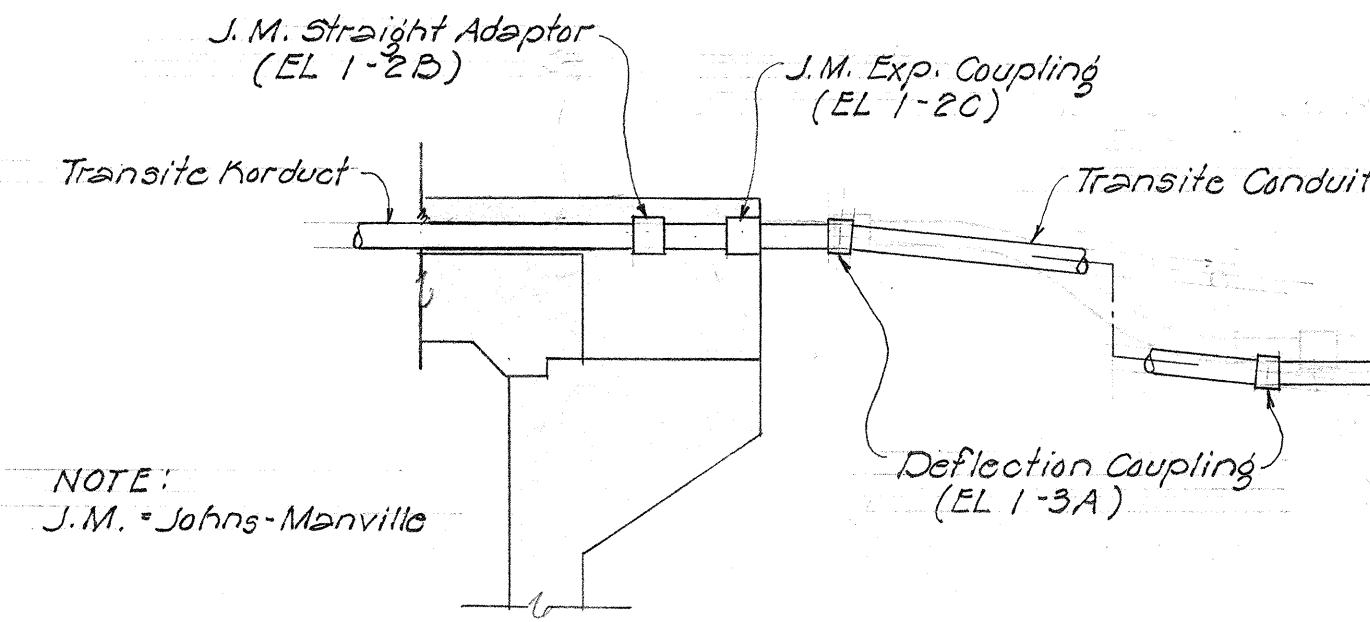
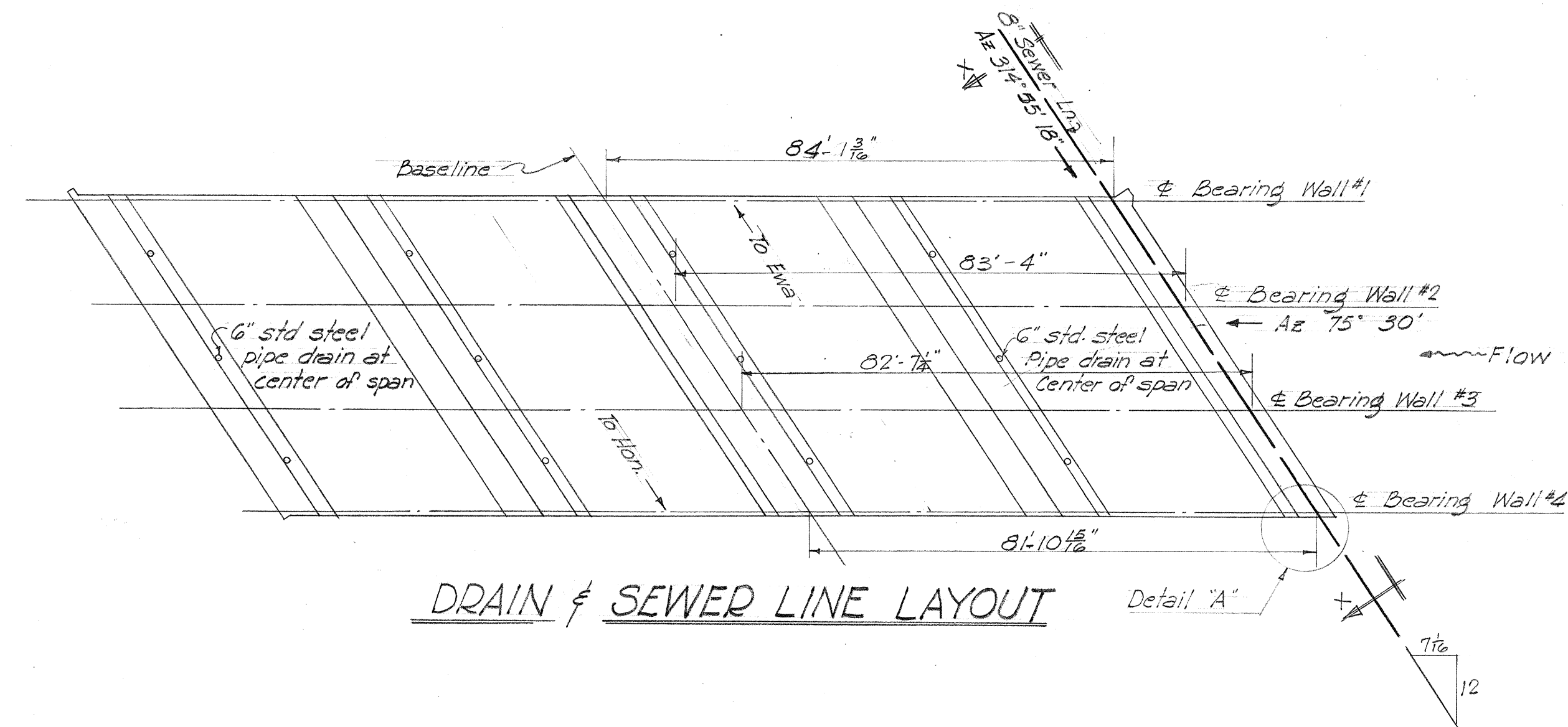


NORMAL SECTION
Scale: 1/4" = 1'-0"

ORIGINAL PLAN	DESIGNED BY	DATE
NOTE BOOK	DRAWN BY	
No.	CHECKED BY	

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KAHAUHIKI BRIDGE
THREE CELL BOX
Sta. 342+22.35 to Sta. 342+84.02
Moanalua Rd. Proj. No. 5-0720(1)
January 1958 UNIT-2

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	5-0720(1) UNIT-2	1958	57	109



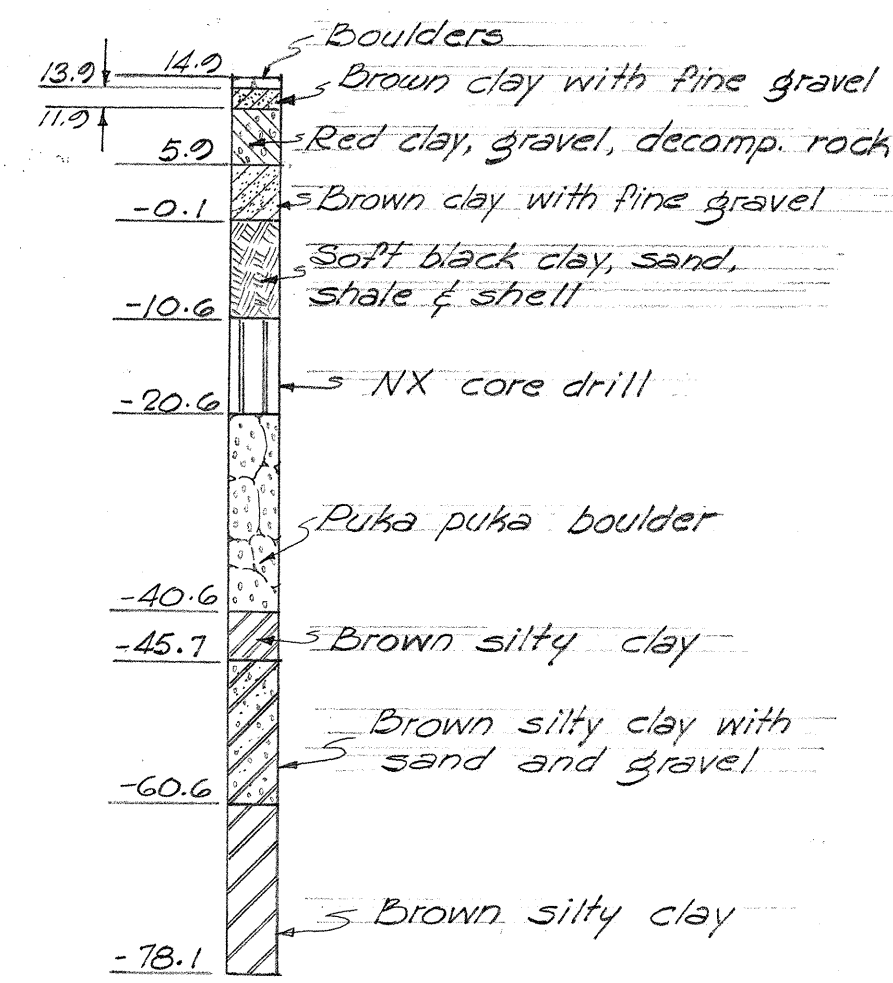
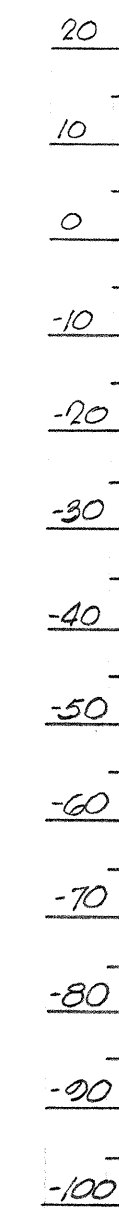
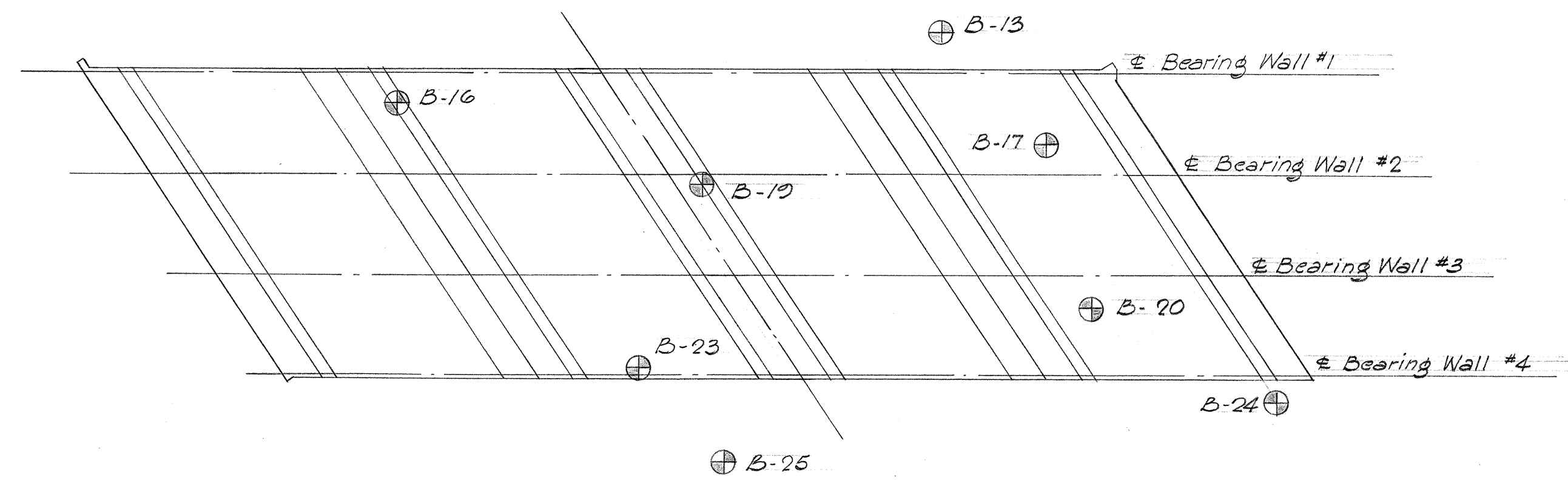
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KAHAUHIKI BRIDGE
THREE CELL BOX
Sta. 342+22.35 to Sta. 342+84.02
Moanalua Rd. Proj. No. S-0720(1)
January 1958 UNIT-2

SHEET NO. 7 OF 8 SHEETS

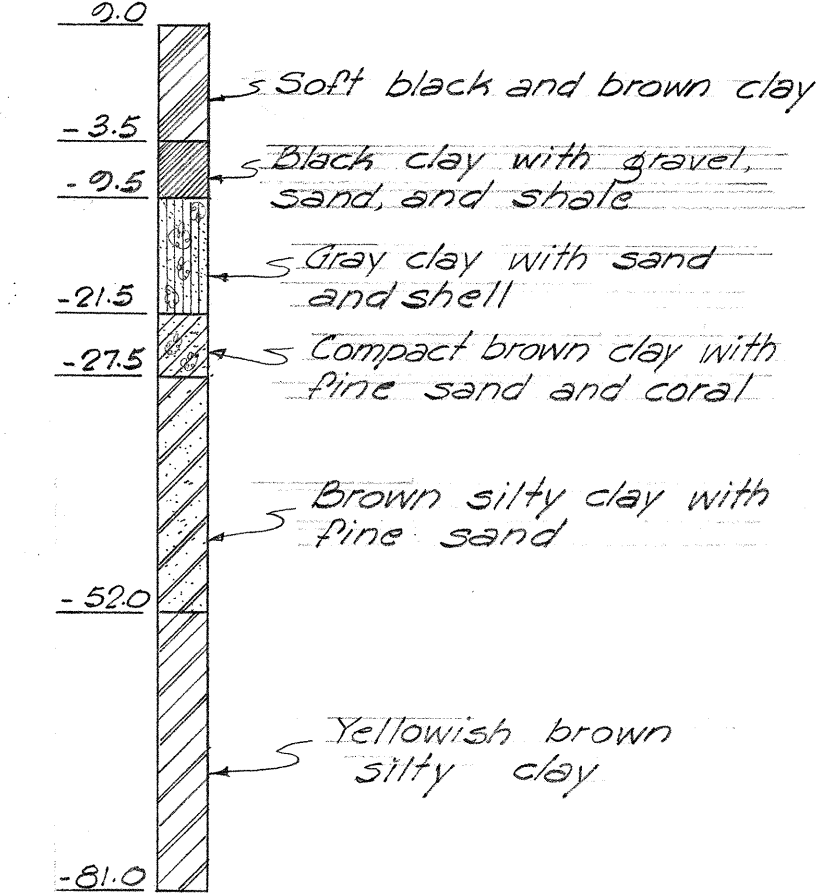
5444.57

SURVEY PLOTTED BY: DATE: 1/1/58
DRAWN BY: J. J. J. J.
CHECKED BY: J. J. J. J.
NOTE BOOK NO. 1

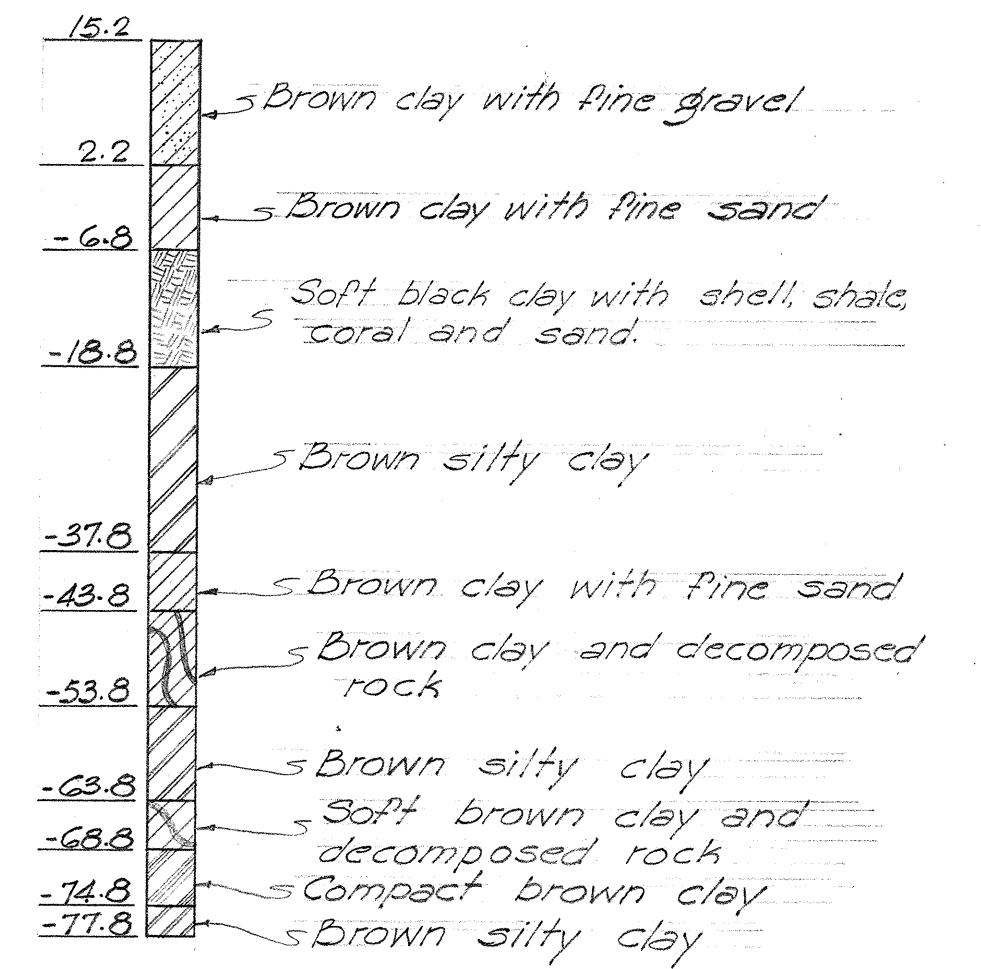
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	5-0720 UNIT-2	1958	58	109



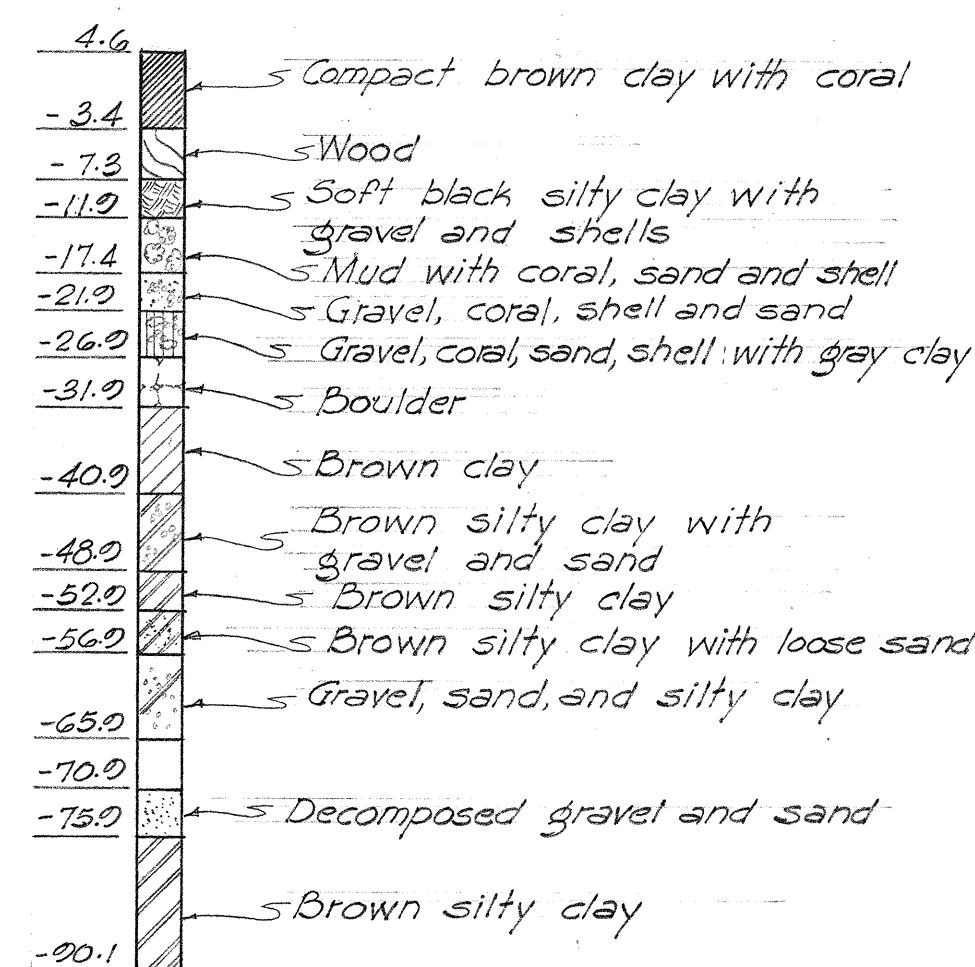
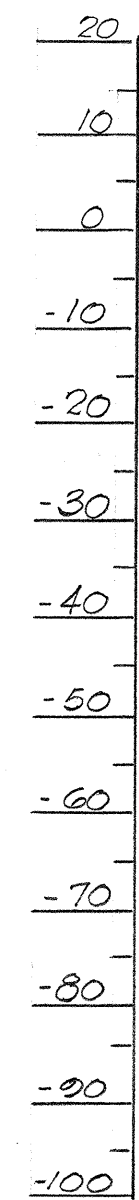
B-13



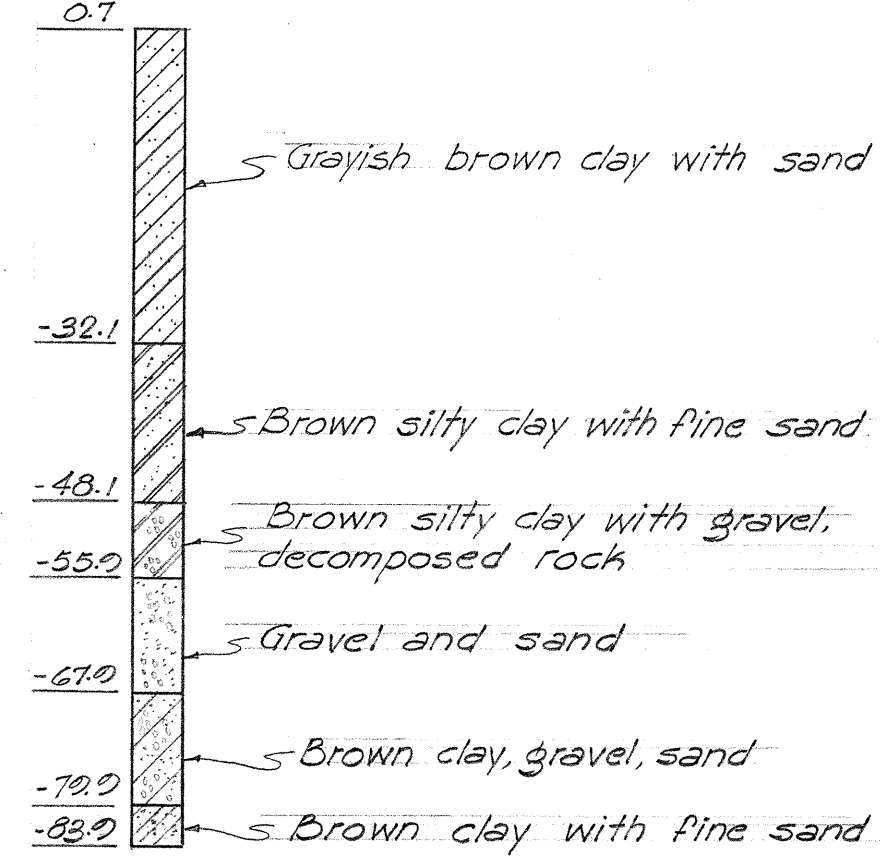
B-16



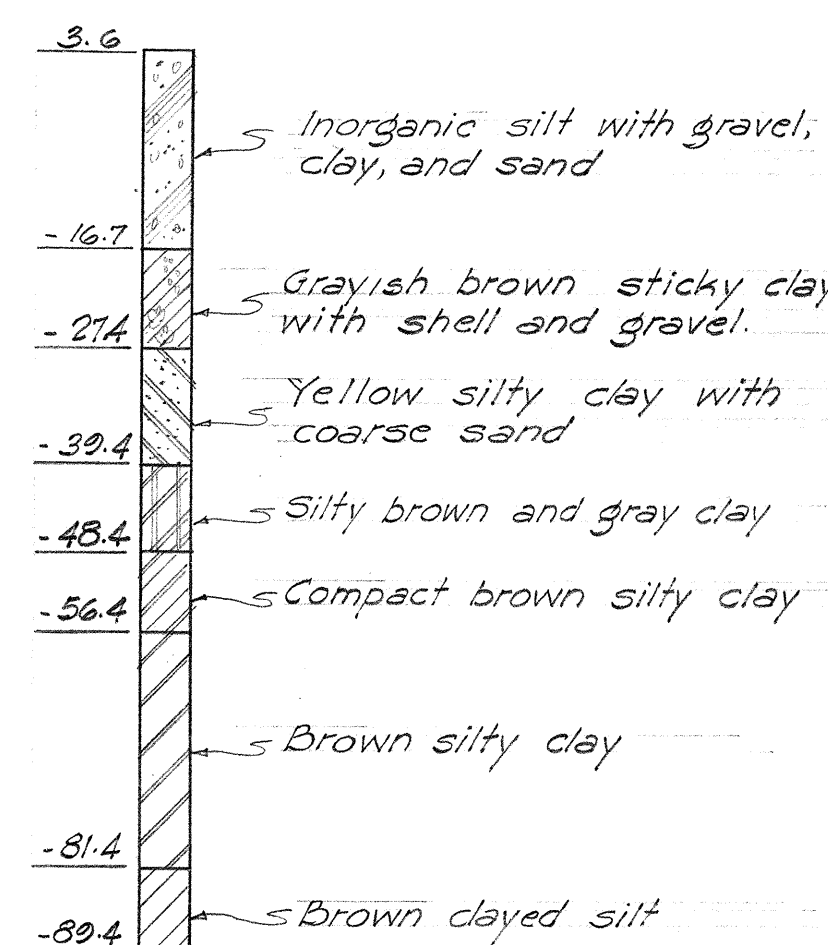
B-17



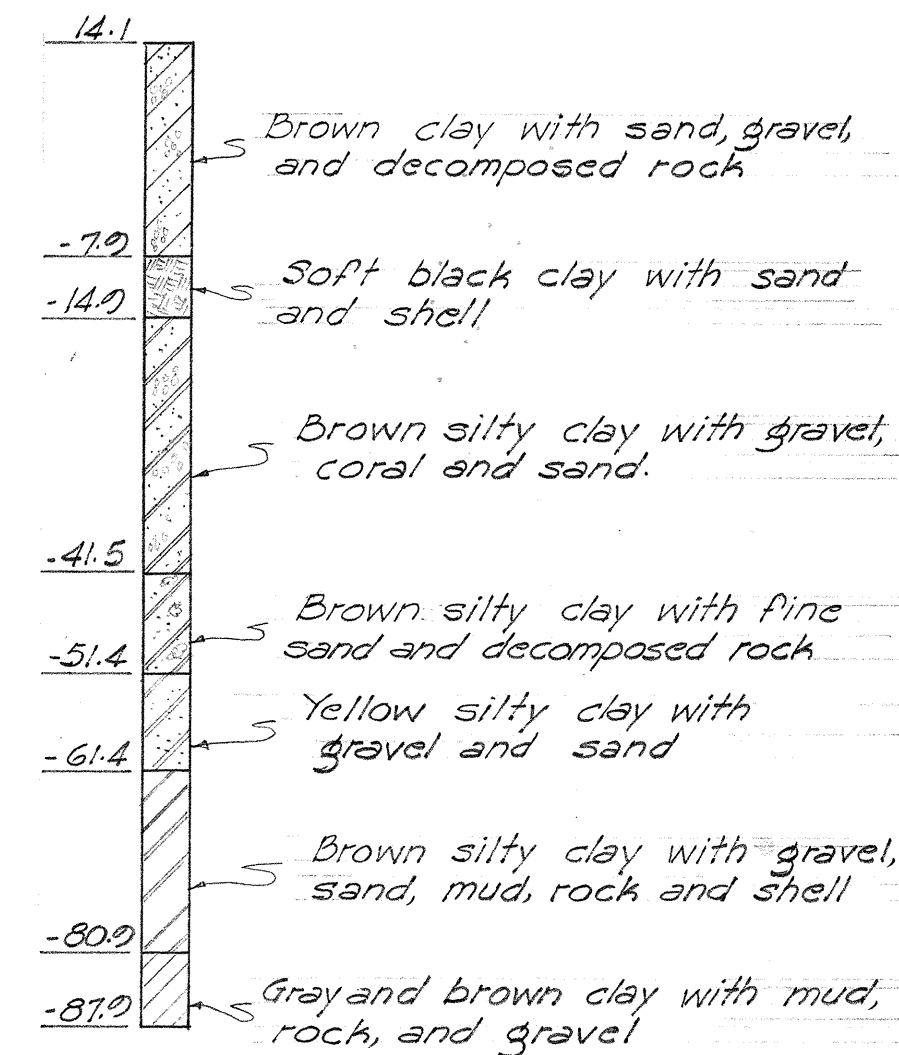
B-19



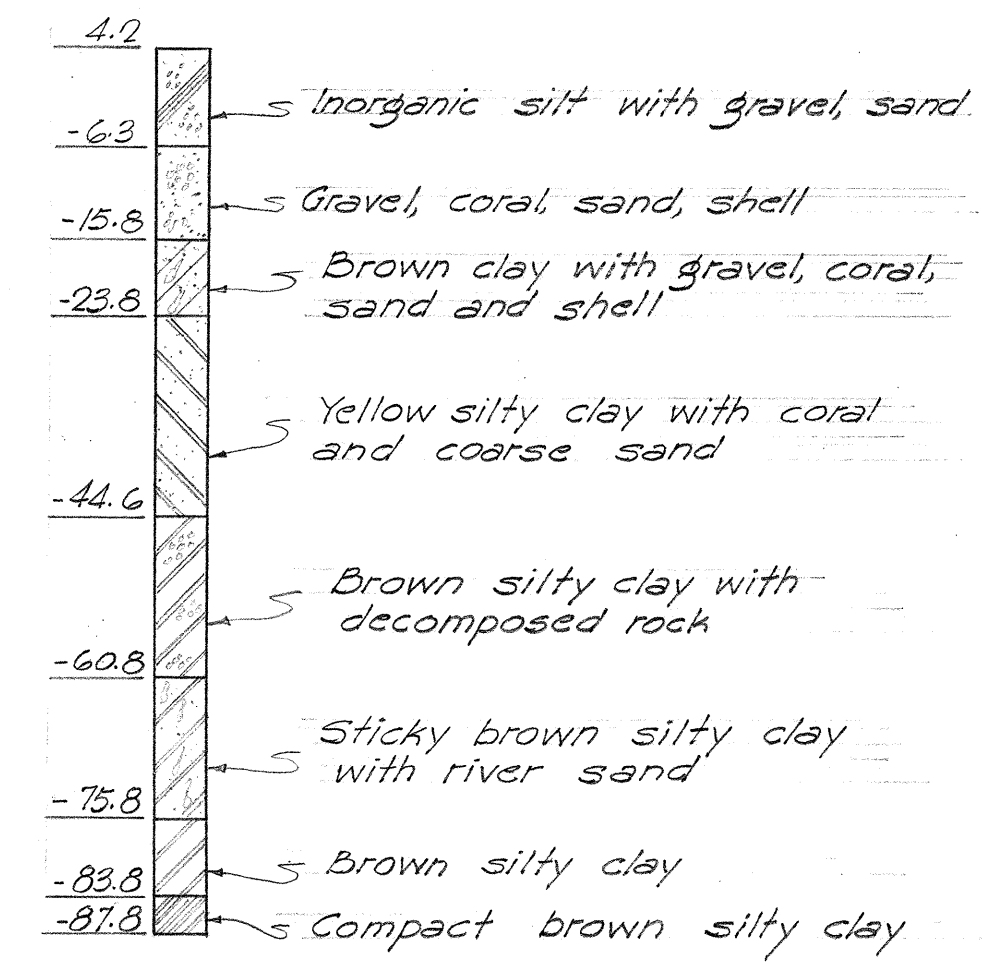
B-20



B-21



B-22



B-23

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KAHAULIKI BRIDGE
THREE CELL BOX
Sta. 342+22.35 to Sta. 342+84.02
Moanalua Rd. Proj. No. 5-0720(1)
January 1958 UNIT-2

SHEET No. 8 OF 8 SHEETS

5444.58