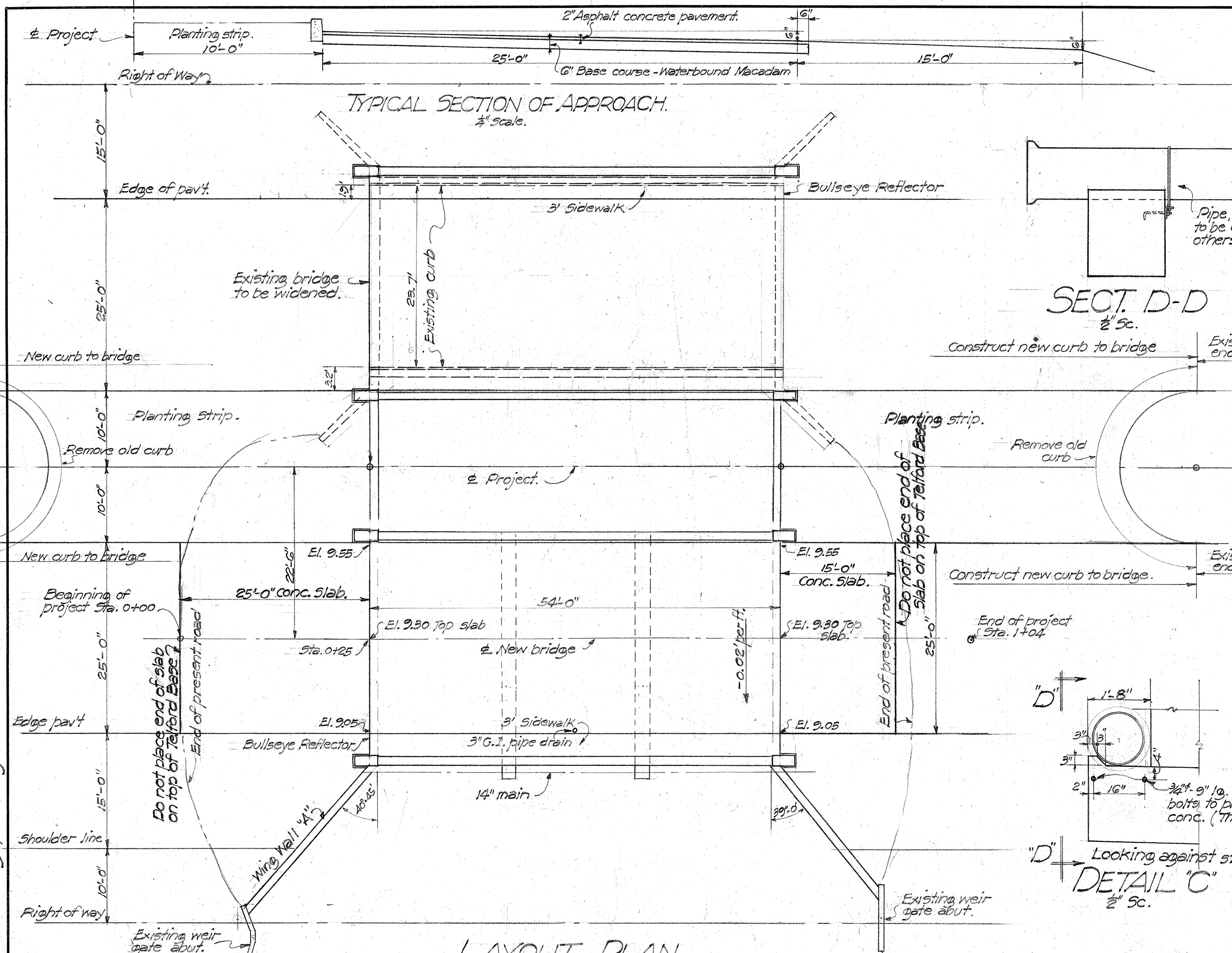
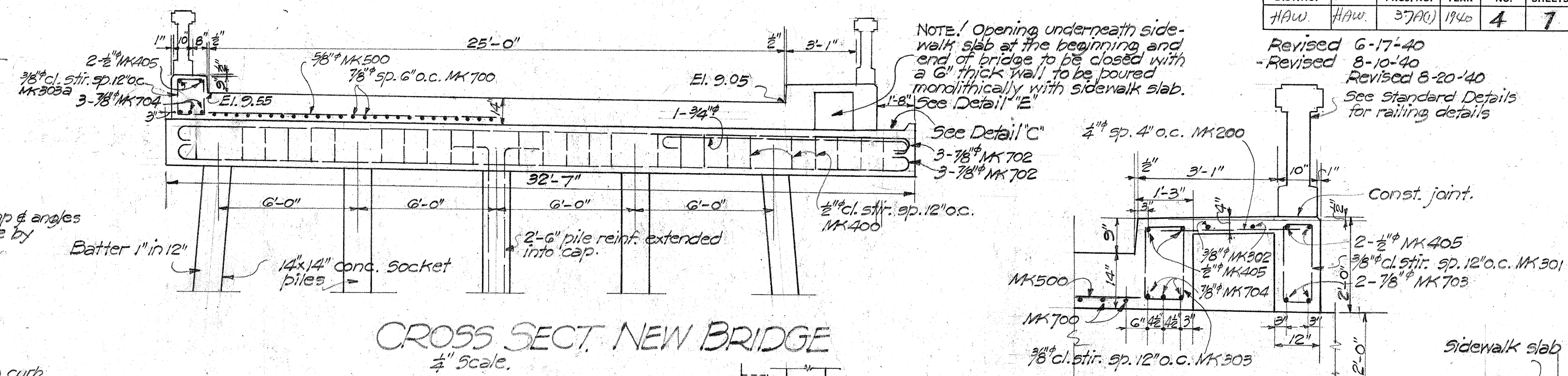


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
11AW	HAU	37A0	1940	4	7

Revised 6-17-40
Revised 8-10-40
Revised 8-20-40
See Standard Details for railing details



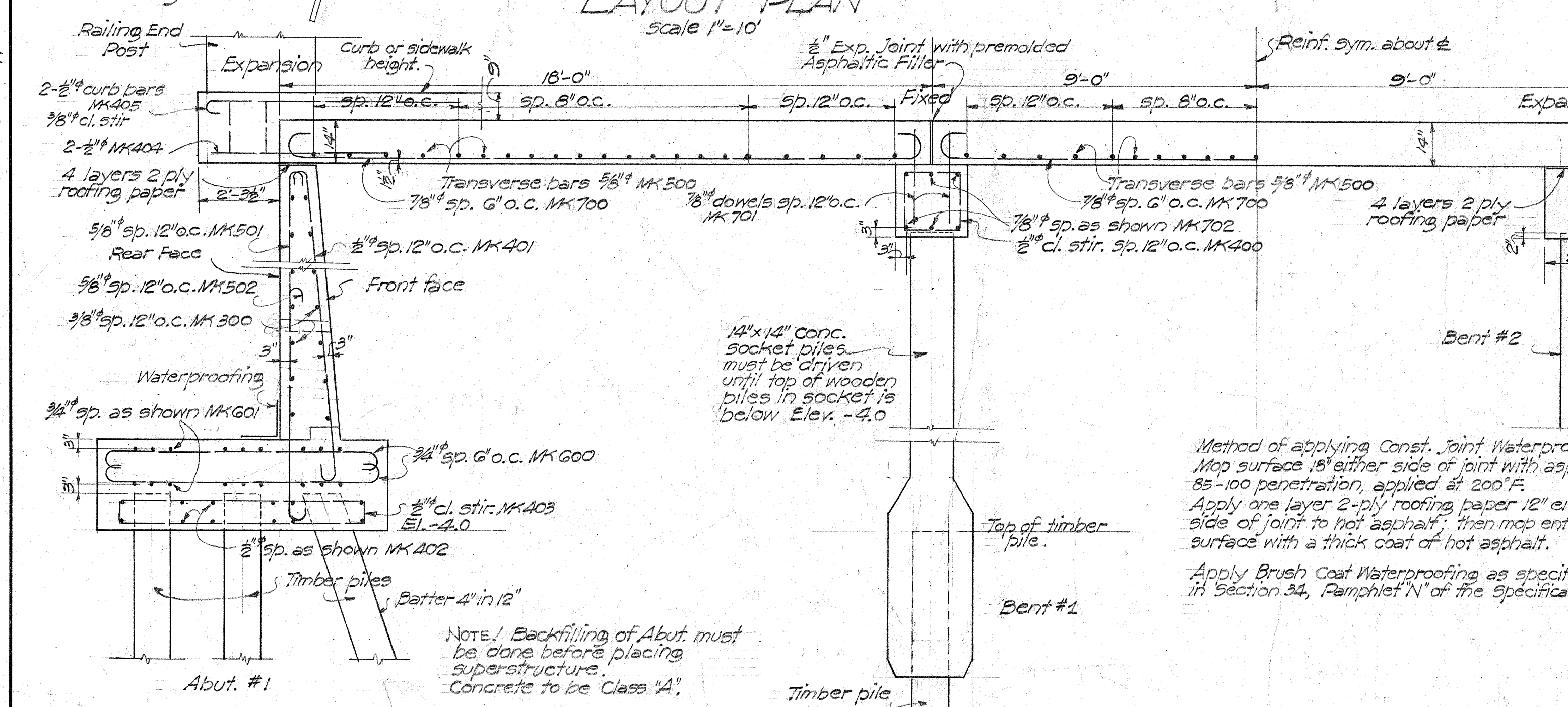
SECT. D-D
1/2\"/>



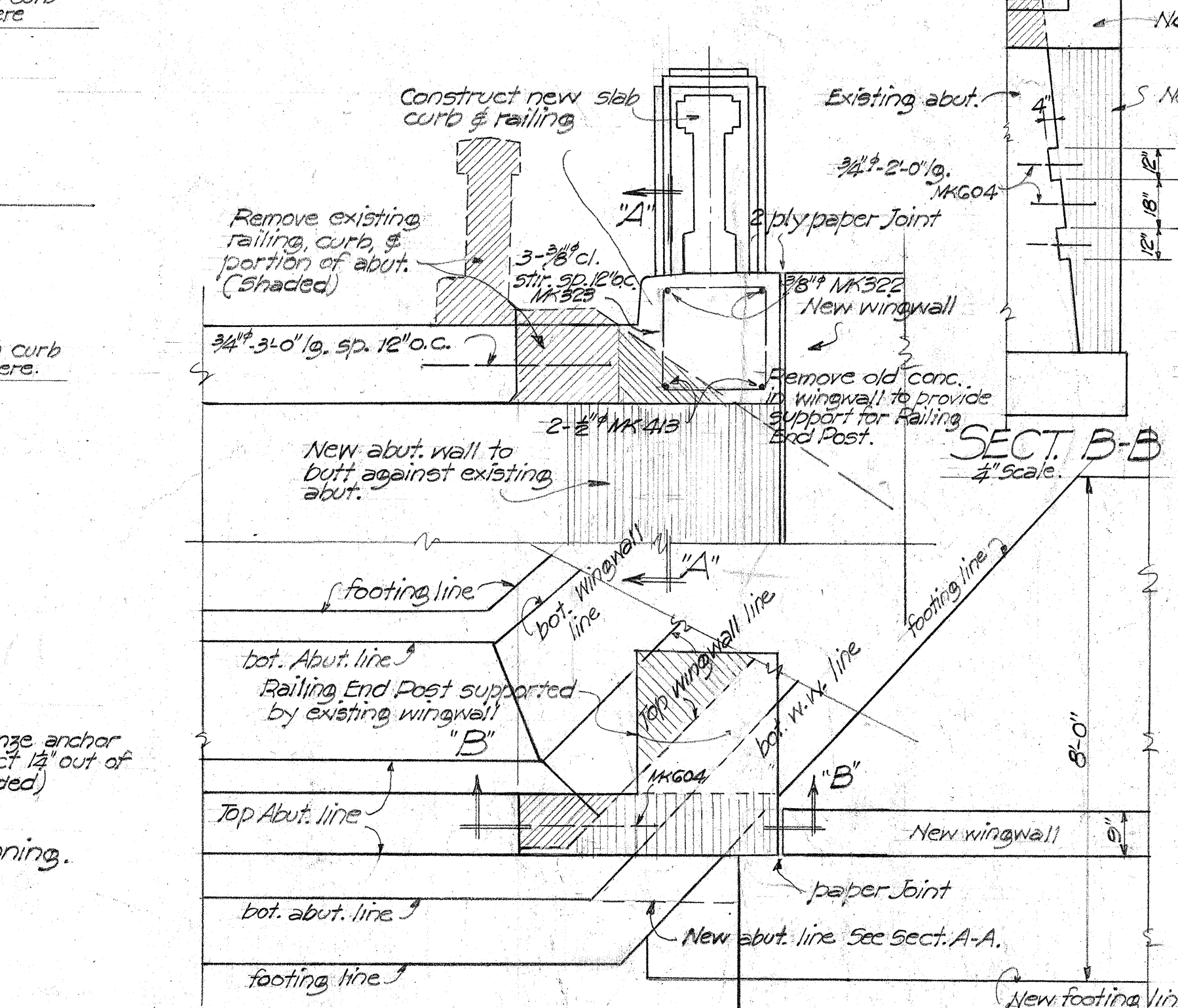
CROSS SECT. NEW BRIDGE
1/4\"/>

SIDEWALK DETAIL
1/2\"/>

DETAIL "E"
1/2\"/>

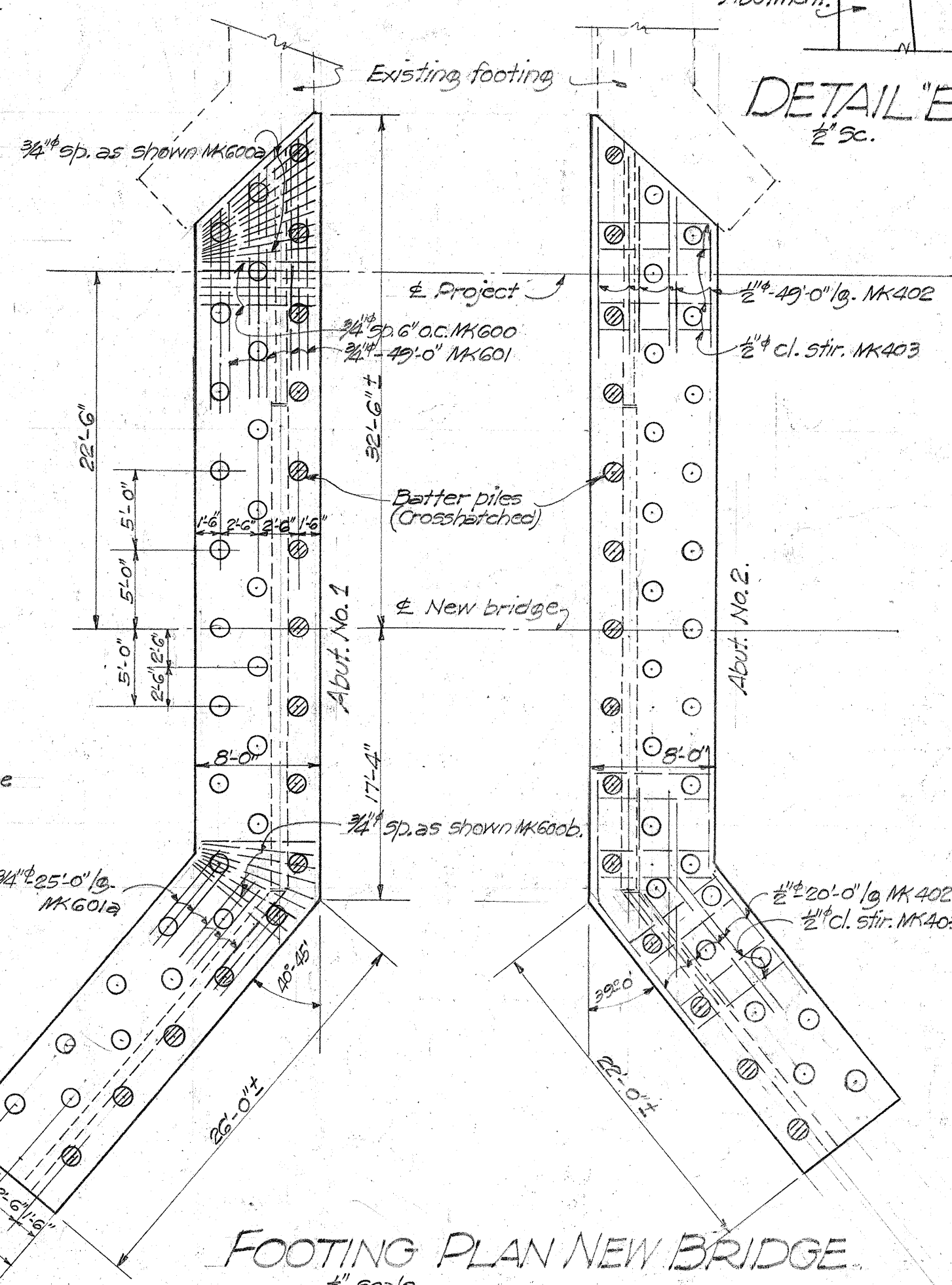


LAYOUT PLAN
Scale 1\"/>

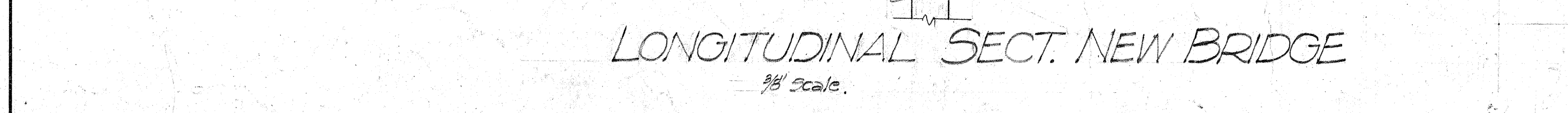


SECT. B-B
1/4\"/>

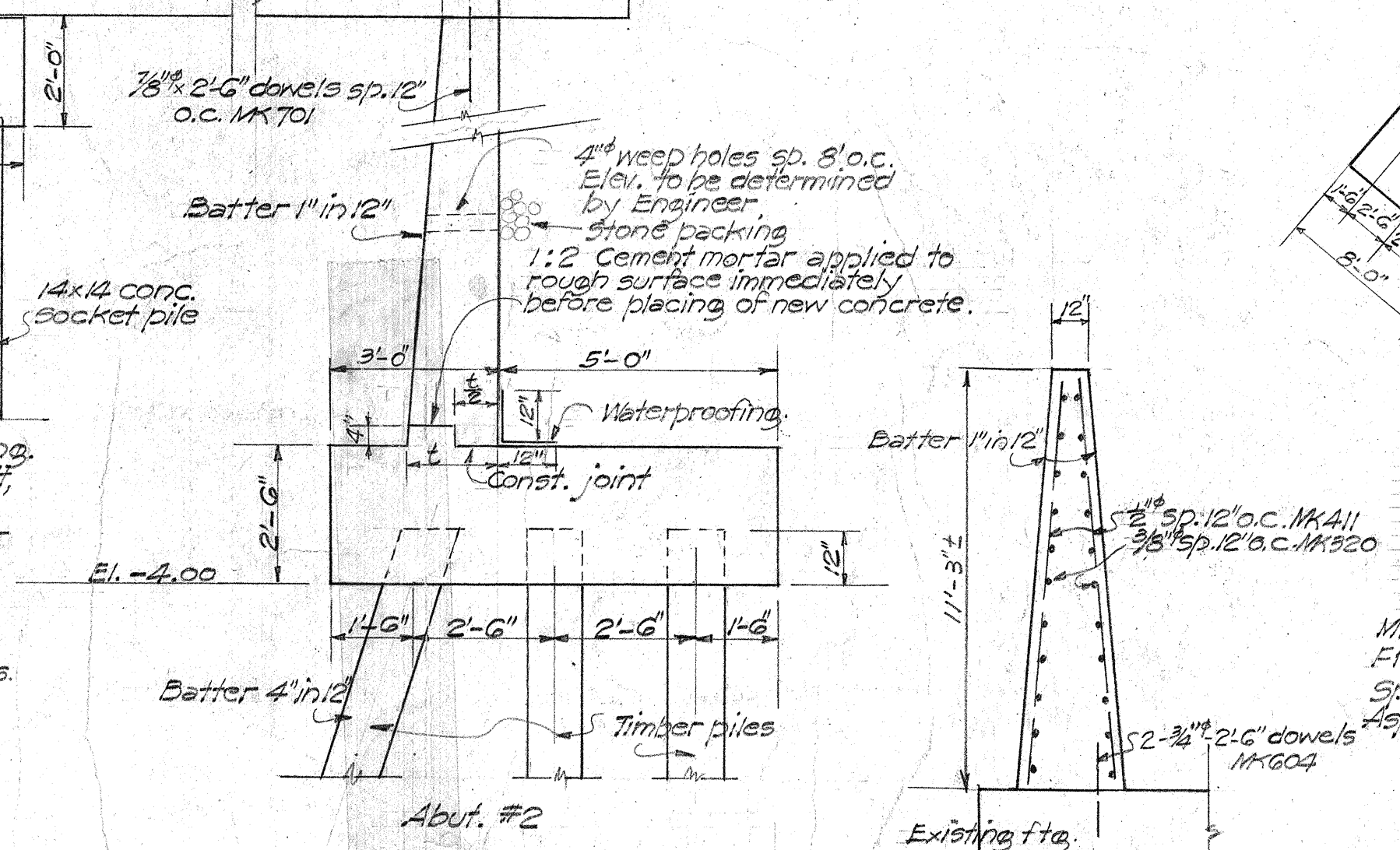
ELEV. & PLAN RIGHT SIDE ABUT. OF EXISTING BRIDGE
1/2\"/>



FOOTING PLAN NEW BRIDGE
1/8\"/>



LONGITUDINAL SECT. NEW BRIDGE
3/8\"/>



SECT. A-A
1/4\"/>

ESTIMATED QUANTITIES.
Concrete "Cl. A" 282.0 C.Y.
Reinf. Steel 32,450 Lbs.
Untreated timber piles 91 lengths 60 ft. piles.
14"x14" Conc. Socket piles 10 lengths 17 ft. piles.
216 lin. ft. conc. curbing.
260 C.Y. Struct. Excavation.
Mineral Aggregate 210 C.Y.
Filler 8 C.Y.
Sprinkling 2 M. gals.
Asphaltic conc. Pavt. 32 tons

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

KAWAII BRIDGE
Sta. 59+52.00

KAILUA-MOKAPU-KOKOHAHI RD. F.A.R. 37A
MAY - 1940

SHEET No 1 OF 2 SHEETS

Revision: 3/4\"/>

DESIGNED BY	DATE
DRAWN BY	5-30
CHECKED BY	
QUANTITIES CHECKED BY	
NOTE BOOK	
No.	

Method of applying Const. Joint Waterproofing.
Map surface 18\"/>

NOTE: Backfilling of Abut. must be done before placing superstructure. Concrete to be Class "A".

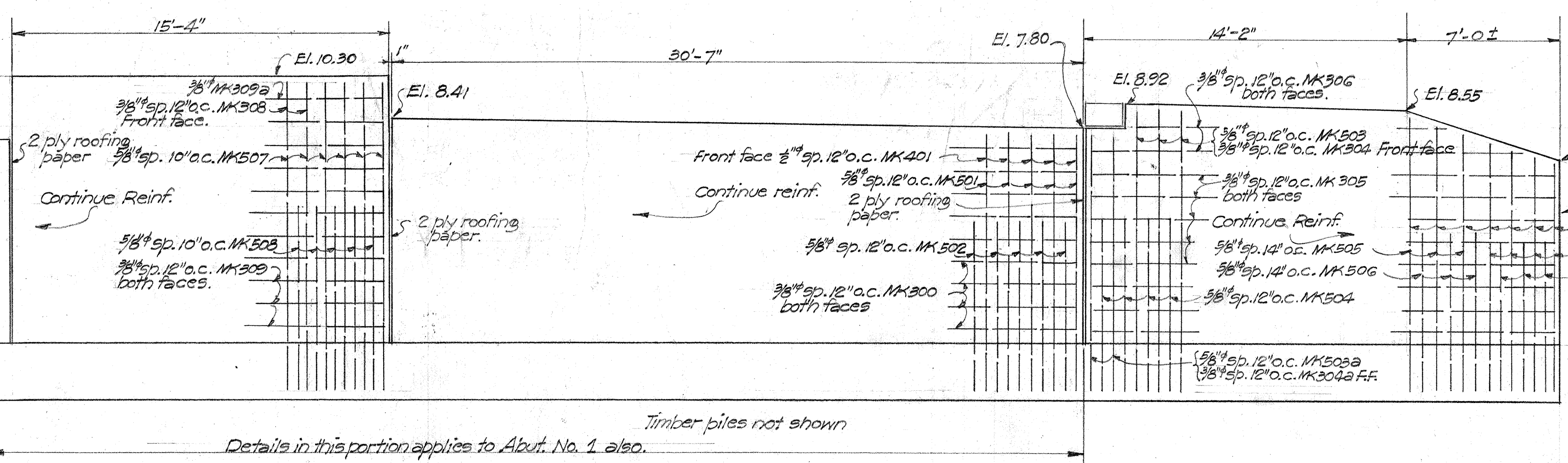
5040.4

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAW.	HAW.	FAP 37A	1940	5	7

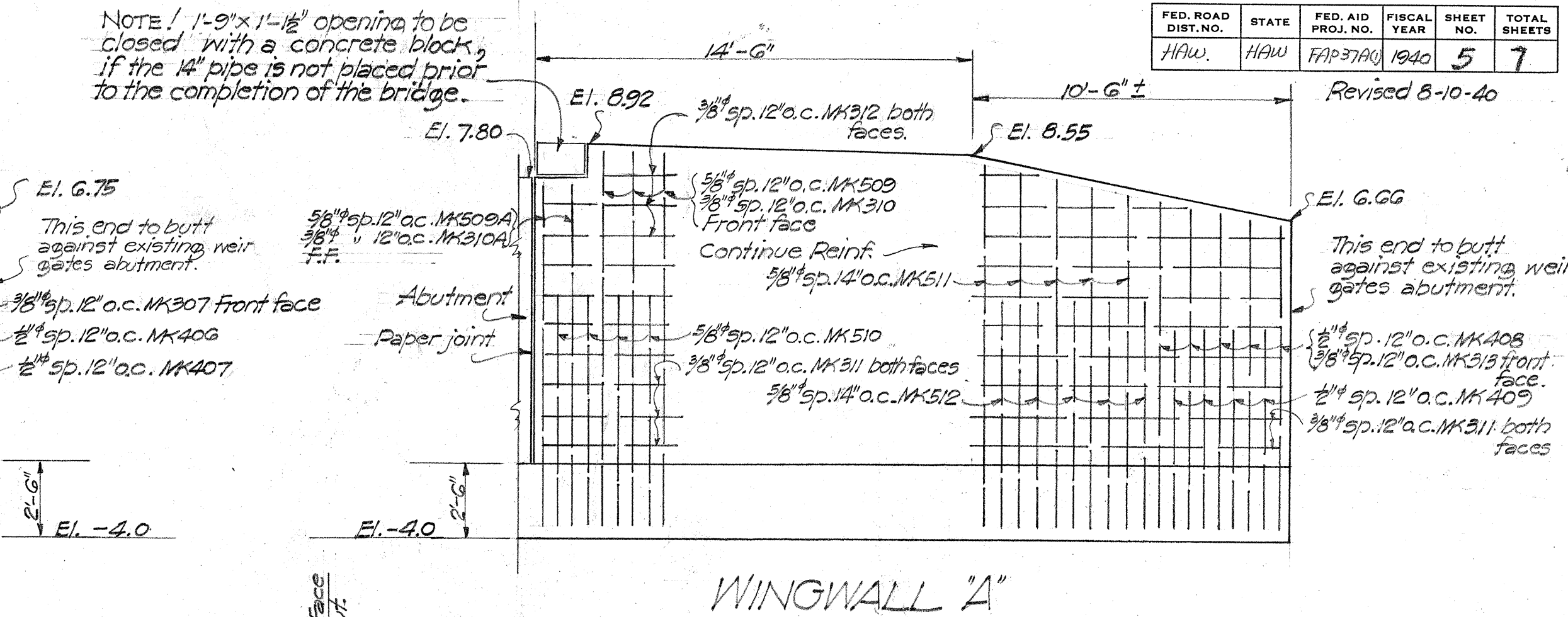
Revised 8-10-40

NOTE: 1'-9" x 1'-12" opening to be closed with a concrete block, if the 14" pipe is not placed prior to the completion of the bridge.

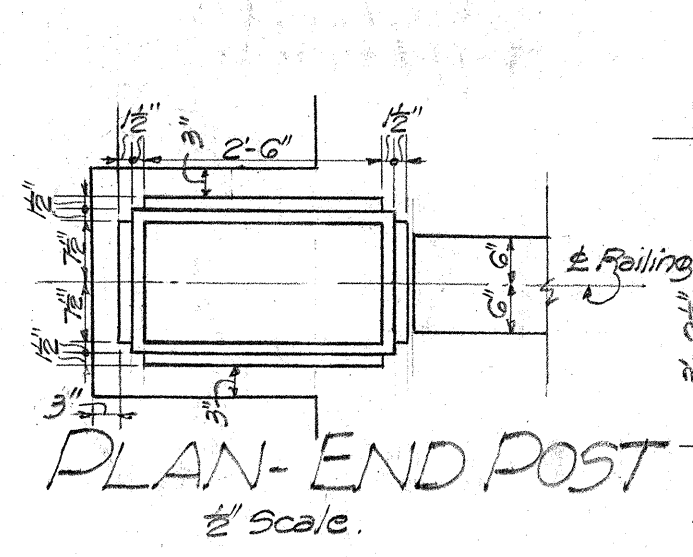
PRECAST CONC. CURB.



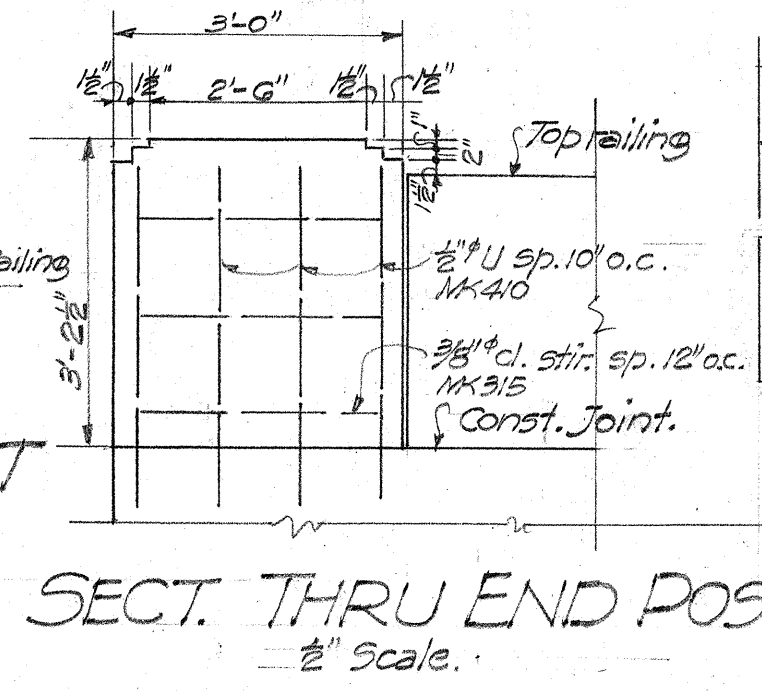
ABUTMENT NO. 2
1/4" Scale.



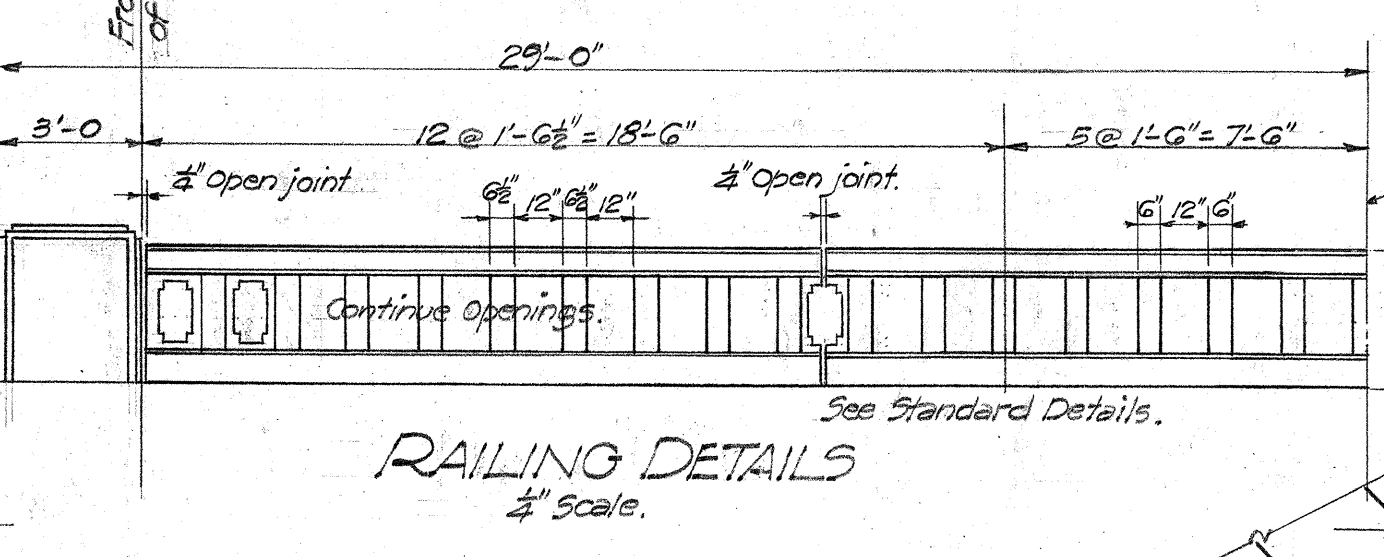
WINGWALL 'A'
1/4" Scale.



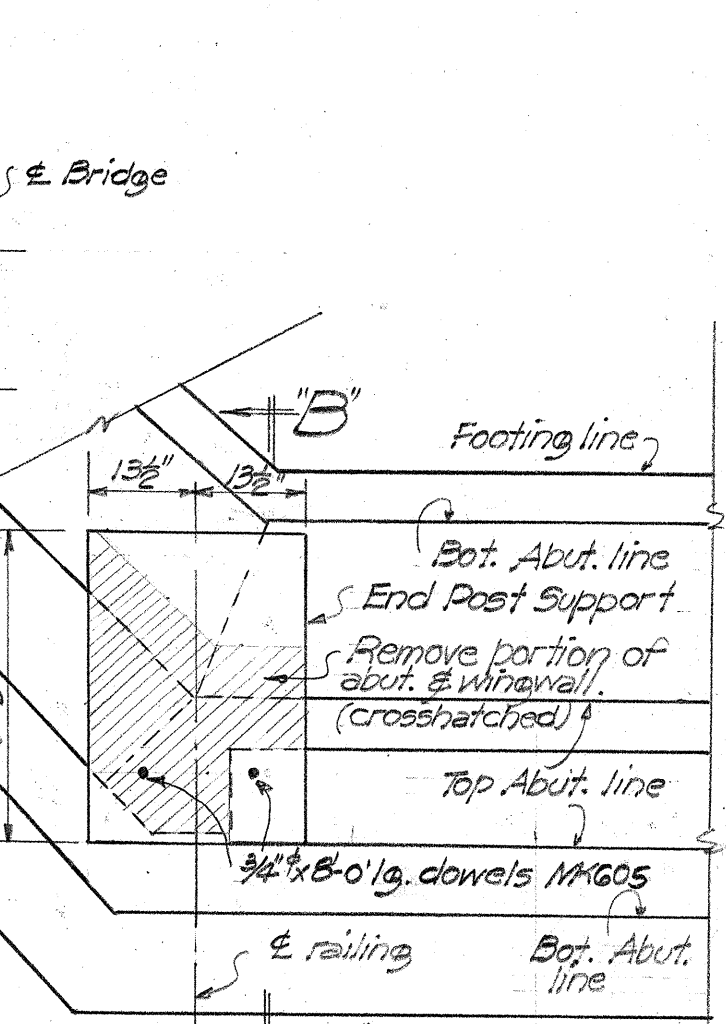
PLAN-END POST
1/2" Scale.



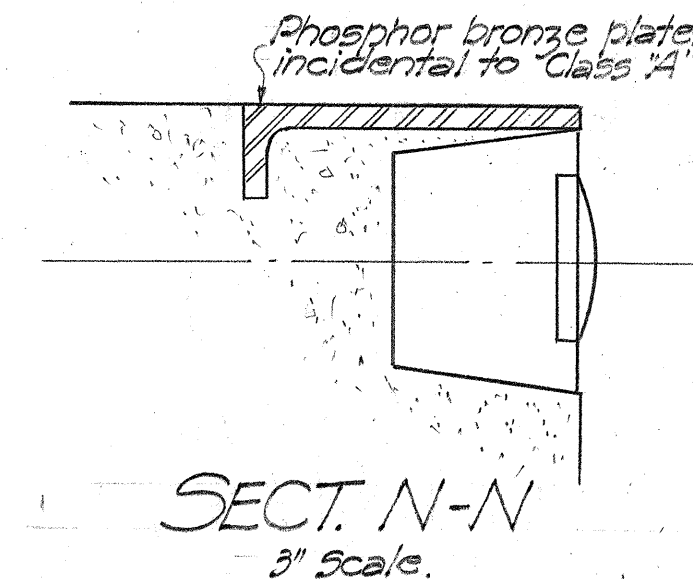
SECT. THRU END POST
1/2" Scale.



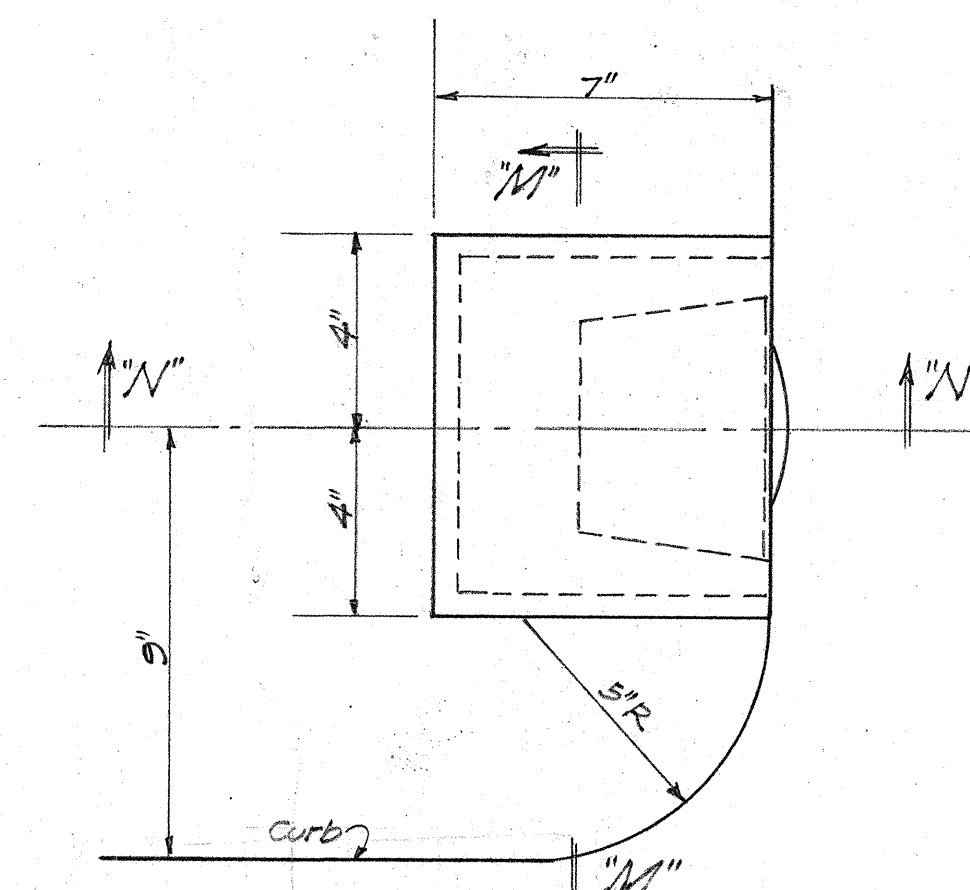
RAILING DETAILS
1/4" Scale.



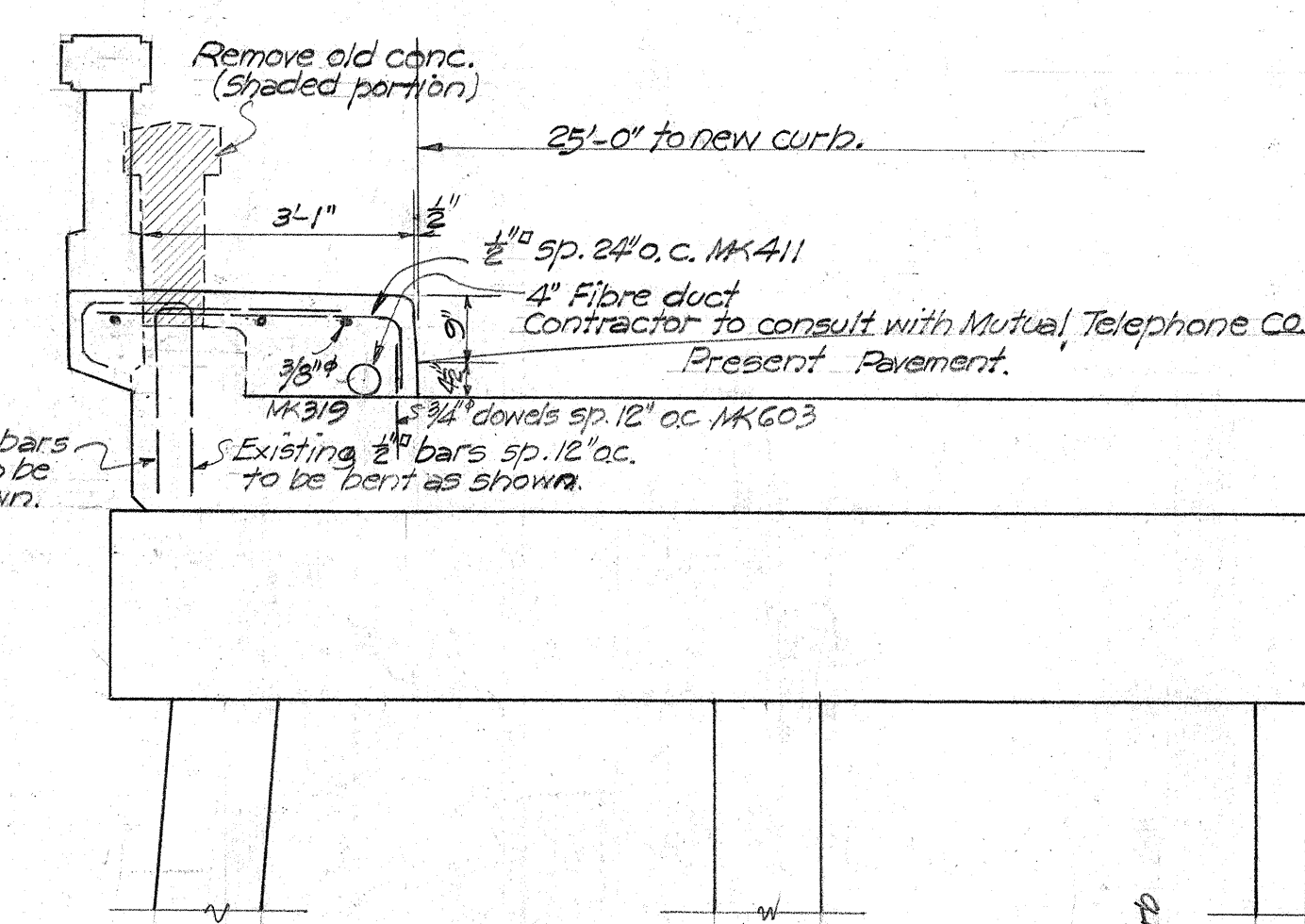
PLAN-LEFT SIDE
ABUT. EXISTING BRIDGE
1/2" Scale.



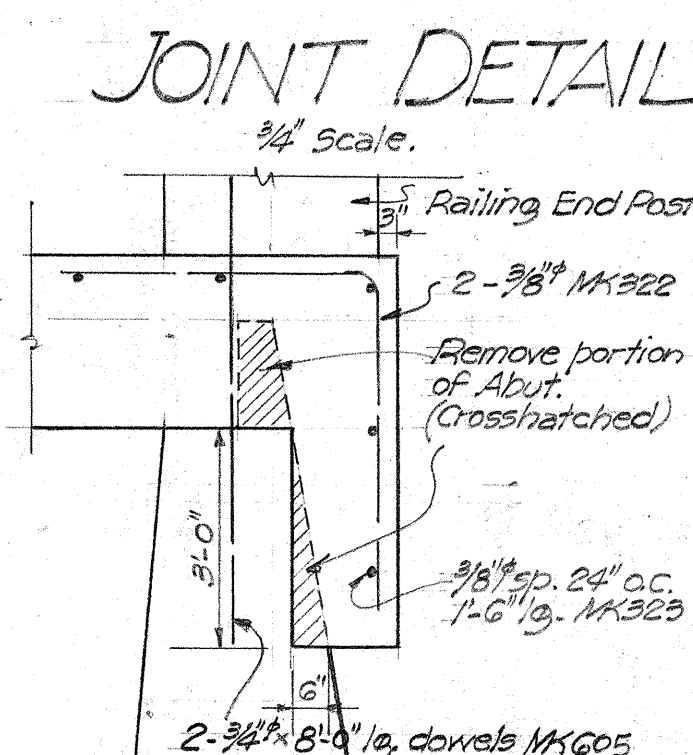
SECT. N-N
3" Scale.



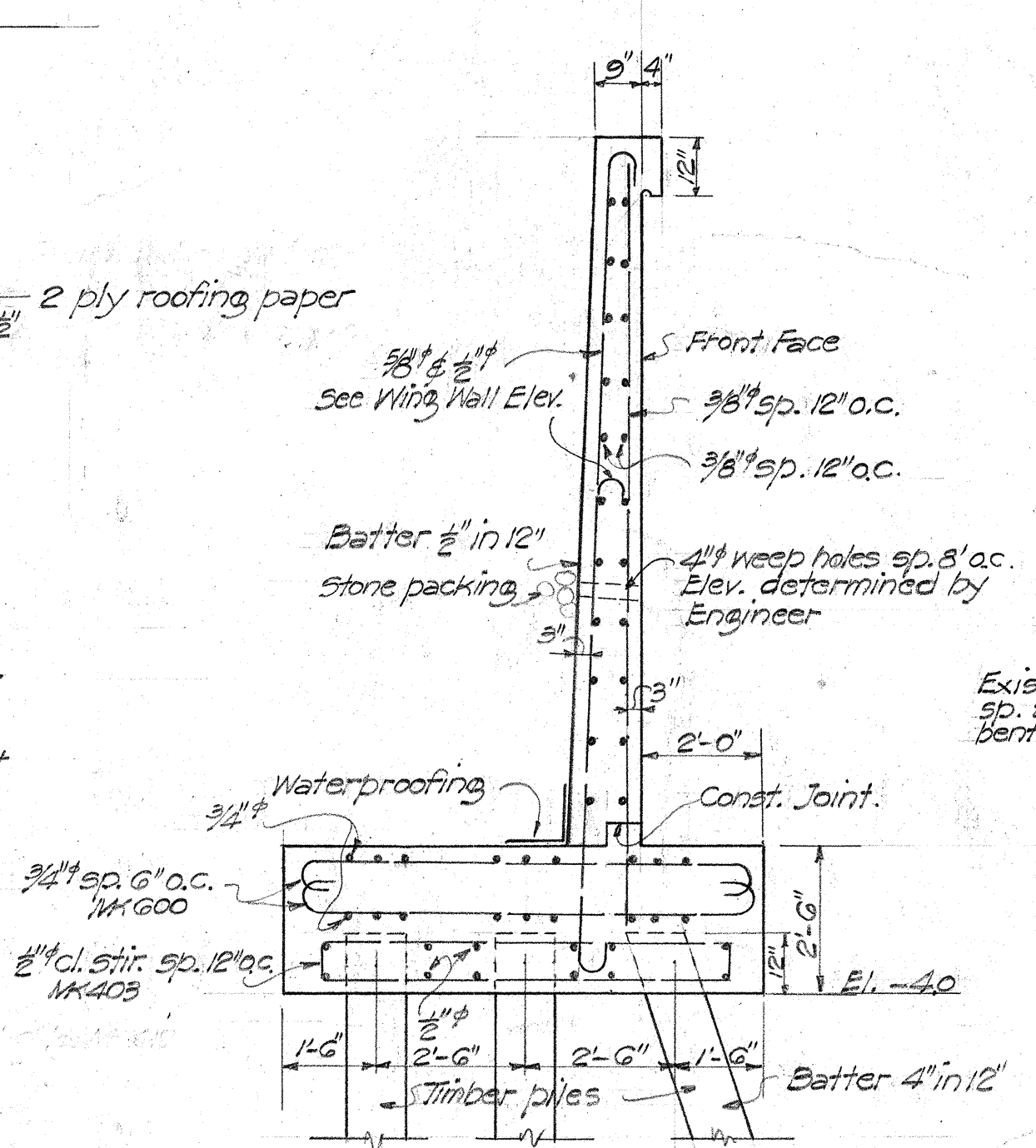
PLAN-BULLSEYE REFLECTOR
3" Scale.



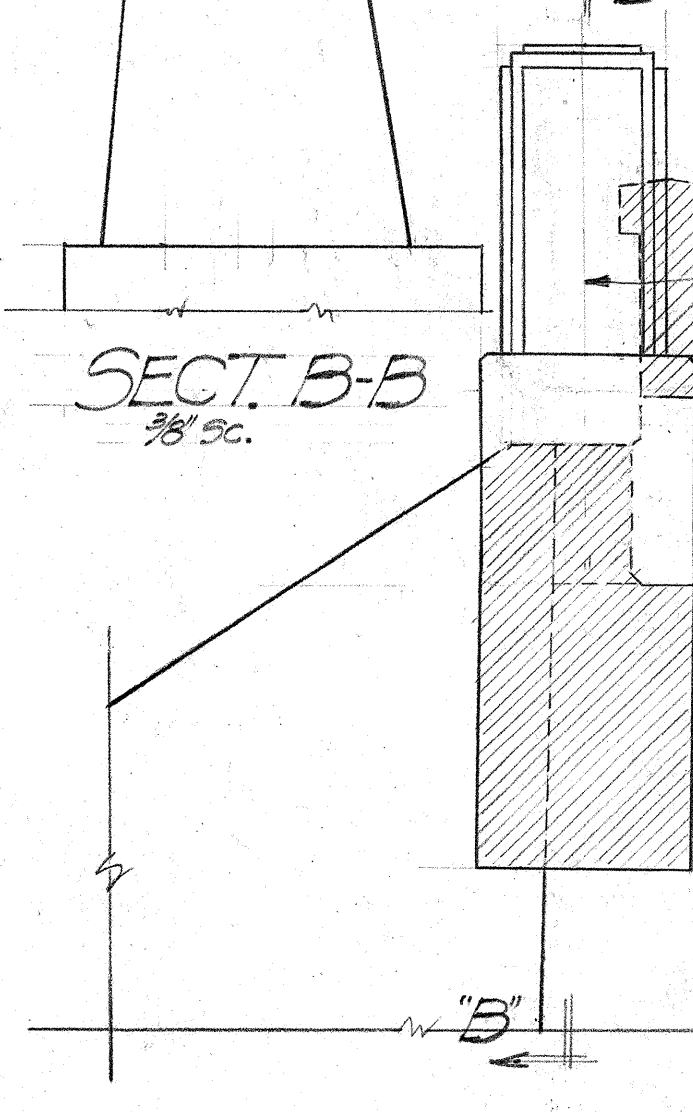
SIDEWALK DETAIL OF
EXISTING BRIDGE
1/2" Scale.



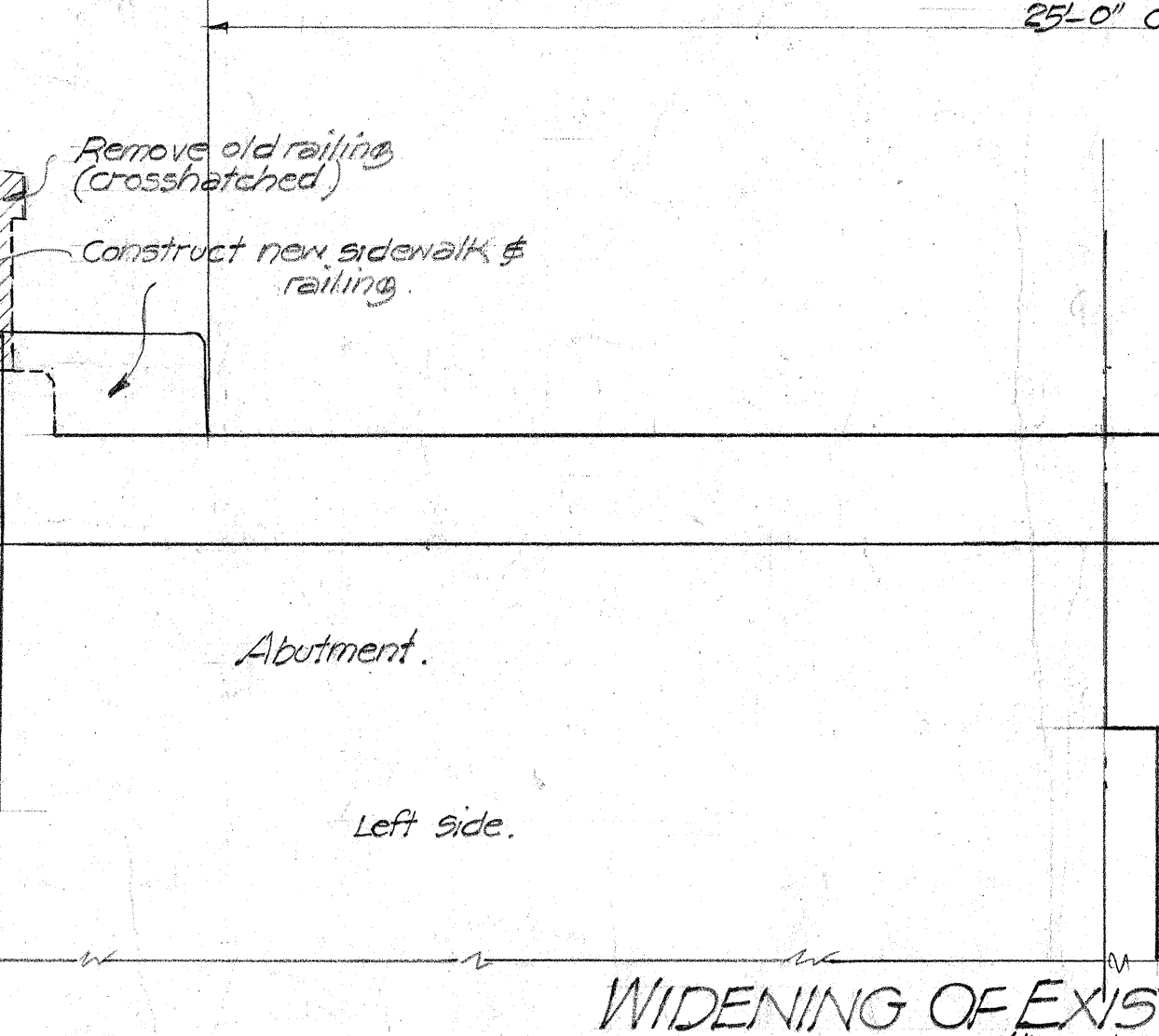
JOINT DETAIL
1/4" Scale.



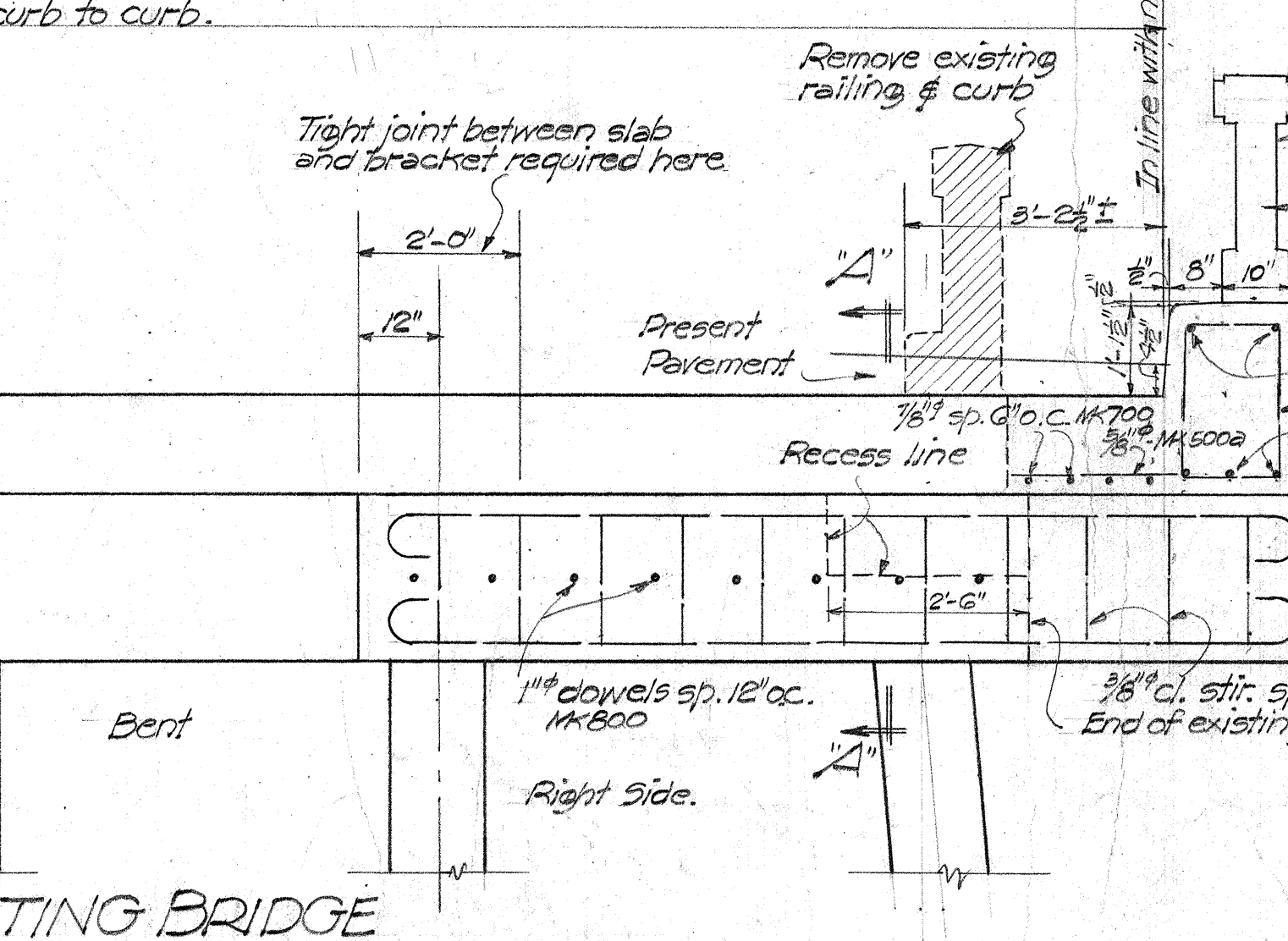
WINGWALL SECT.
1/8" Scale.



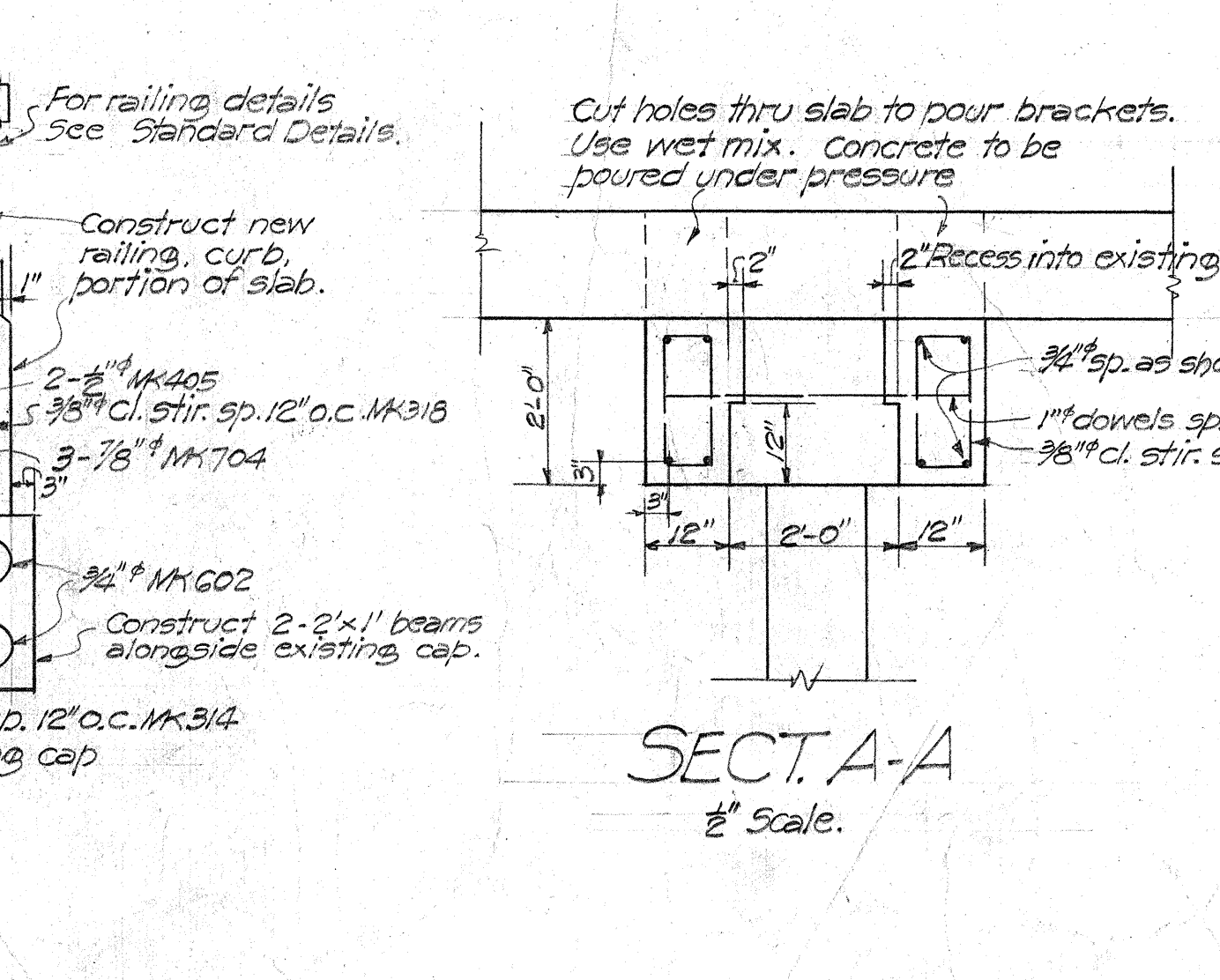
SECT. B-B
3/8" Scale.



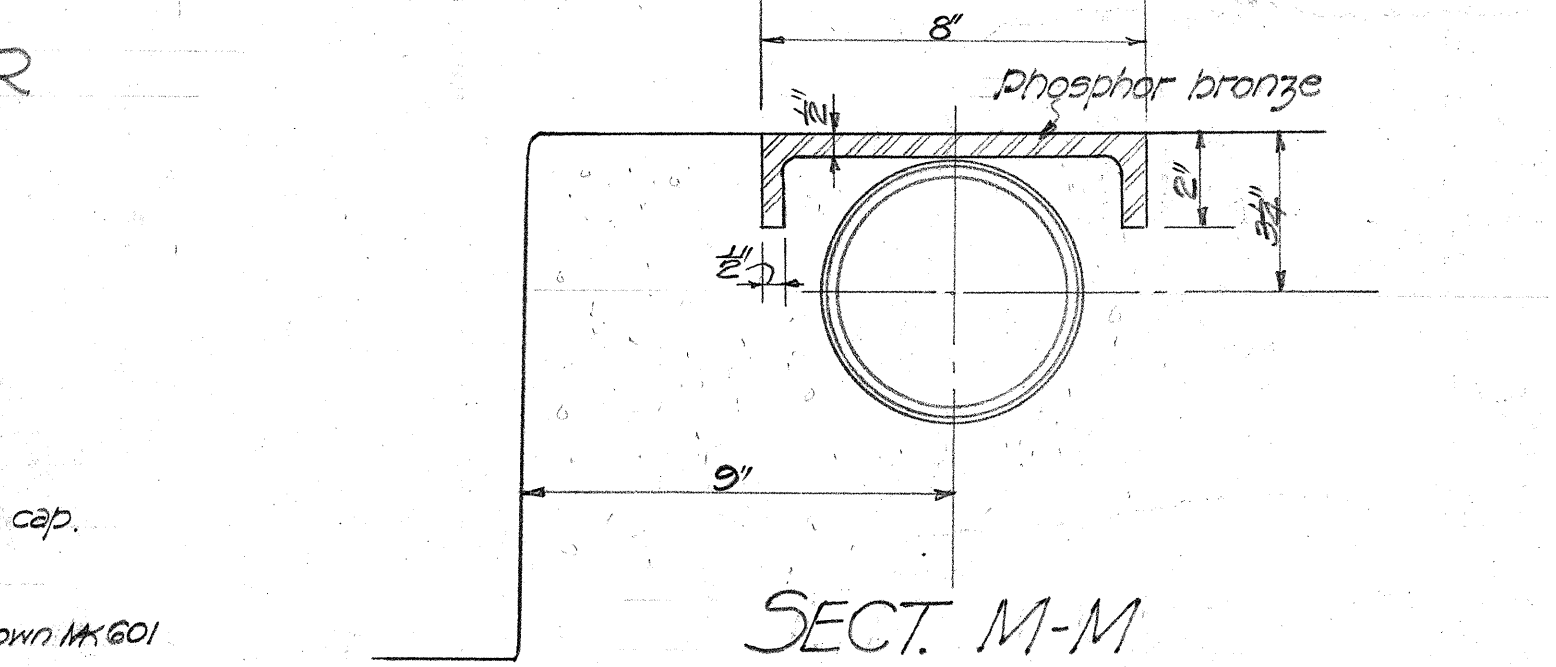
WIDENING OF EXISTING BRIDGE
1/2" Scale.



WIDENING OF EXISTING BRIDGE
1/2" Scale.



SECT. A-A
1/2" Scale.



SECT. M-M
3" Scale.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

KAWAINUI BRIDGE
STA. 394+32.00

KAILUA-MOKAPU-KOKOKAHI RD. F.A.P. 37A.
MAY - 1940

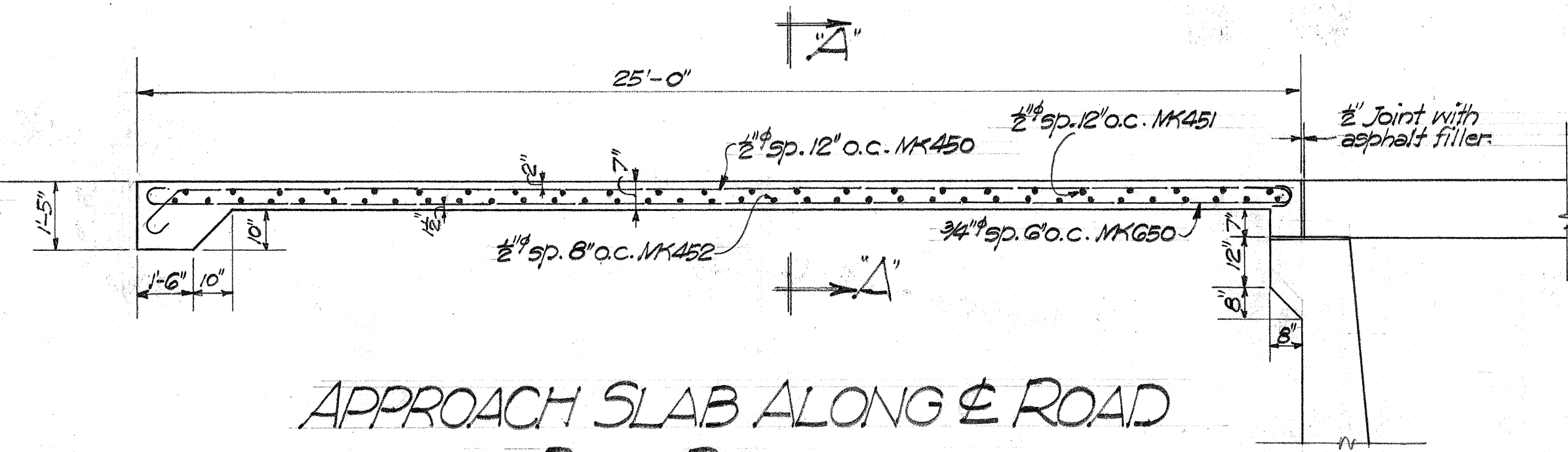
SHEET No 2 OF 2 SHEETS

2nd revision: 14" pipe placed on right side of bridge.

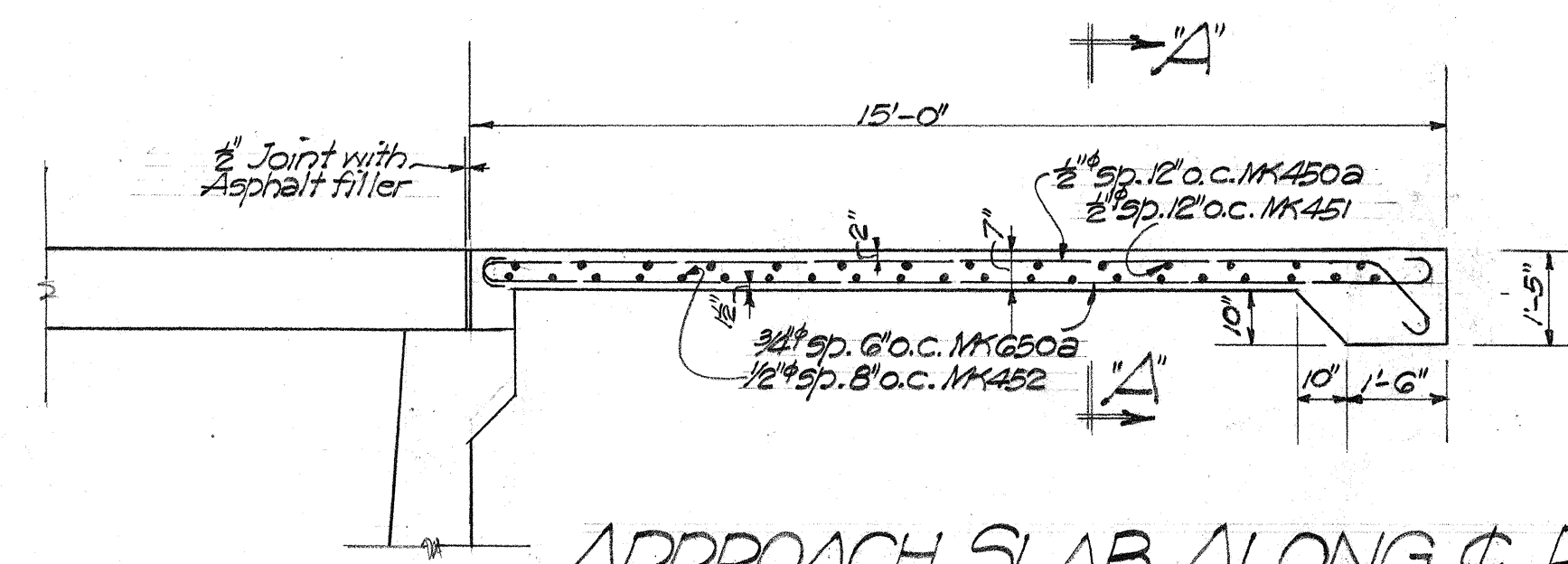
DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTE BOOK	
QUANTITIES	
CHECKED BY	

5040.5

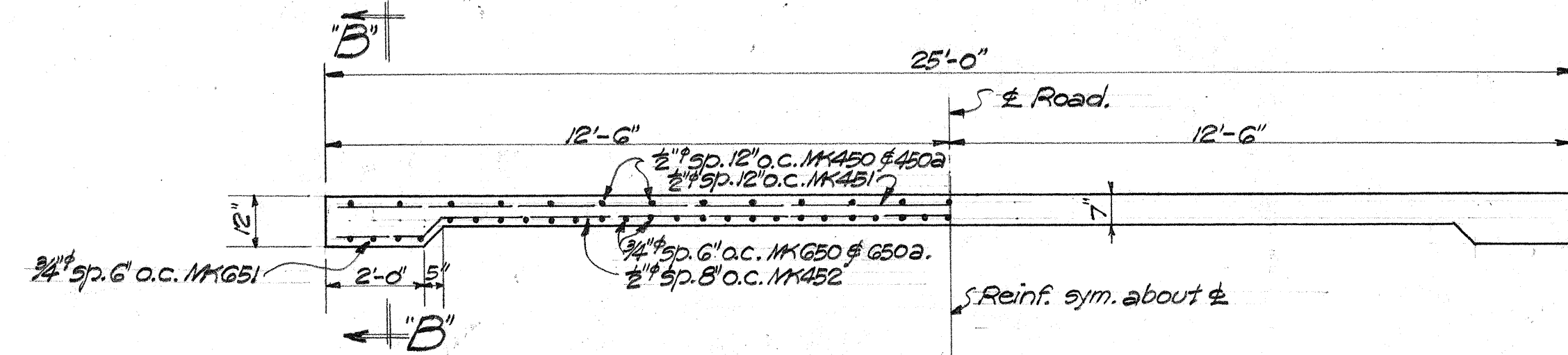
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAW.	HAW.	37A(1)	1940	5A	7



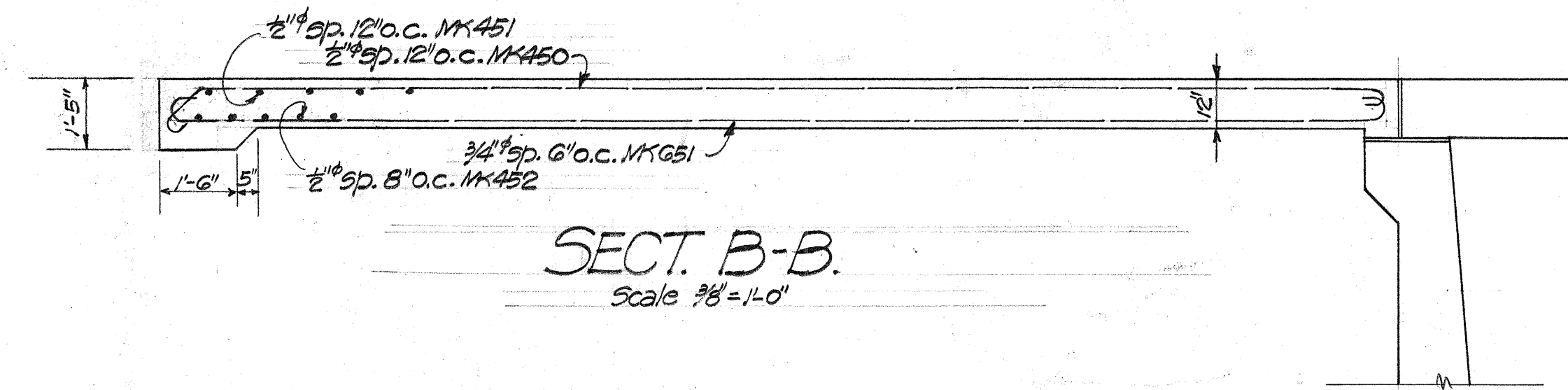
APPROACH SLAB ALONG & ROAD
BEG. BRIDGE
Scale 3/8" = 1'-0"



APPROACH SLAB ALONG & ROAD
END OF BRIDGE
Scale 3/8" = 1'-0"

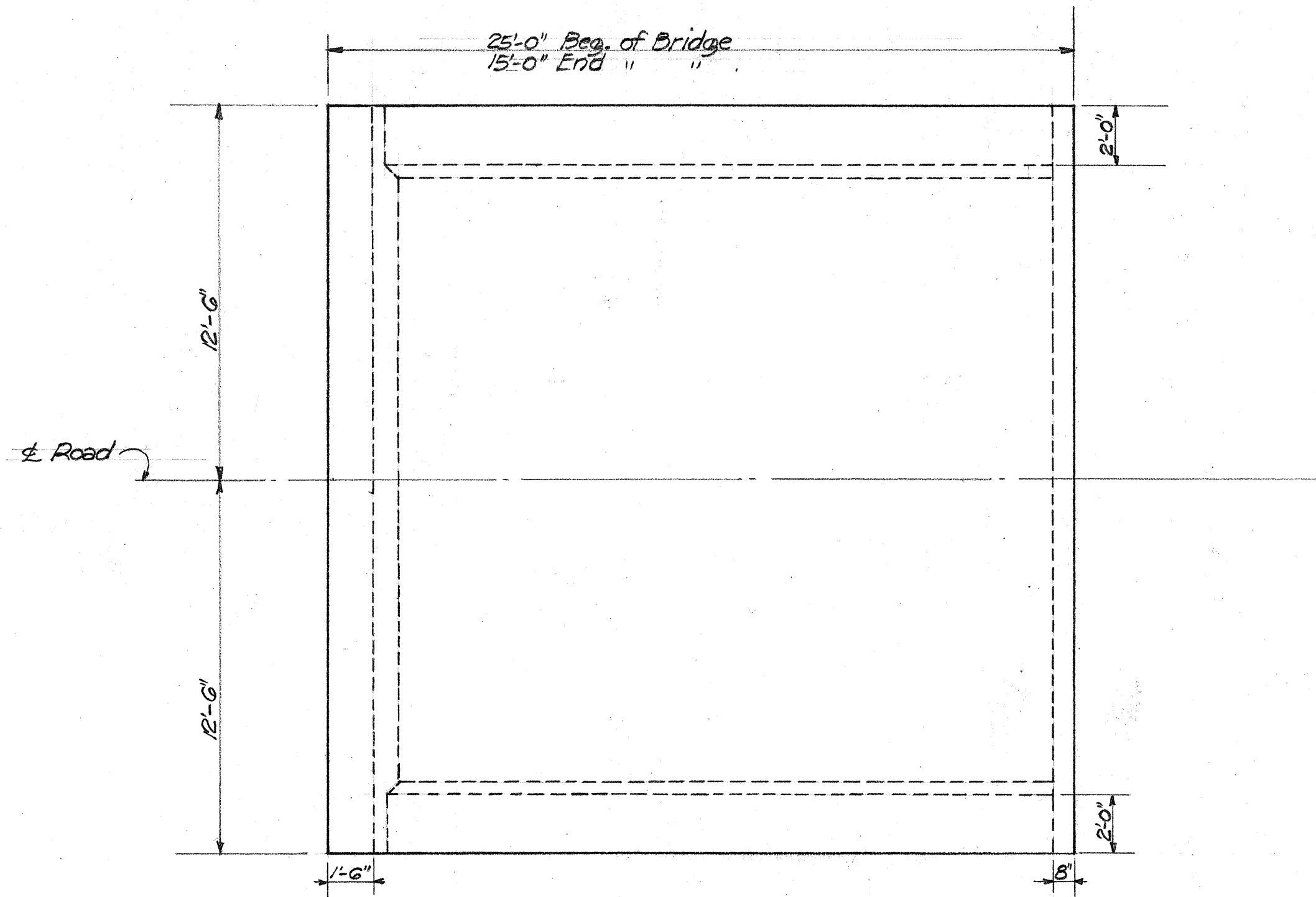


SECT. A-A
Scale 3/8" = 1'-0"



SECT. B-B
Scale 3/8" = 1'-0"

QUANTITIES
Ct. 14' conc. 28.9 c.y.
Reinf. Steel 5390 Lbs.



PLAN-APPROACH SLAB
Scale 1/4" = 1'-0"

SURVEY PLOTTED BY	DATE
DESIGNED BY	8-20
DRAWN BY	1-7-40
TRACED BY	
QUANTITIES CHECKED BY	
CHECKED BY	

ORIGINAL PLAN	No.
NOTE BOOK	

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KAWAINUI BRIDGE
MAILUA-MOKAPU-MOKOKAHU RD. F.A.P. 37A.
Aug. 1940
SHEET No. 5A OF 7 SHEETS

5040.5A

5040.5A