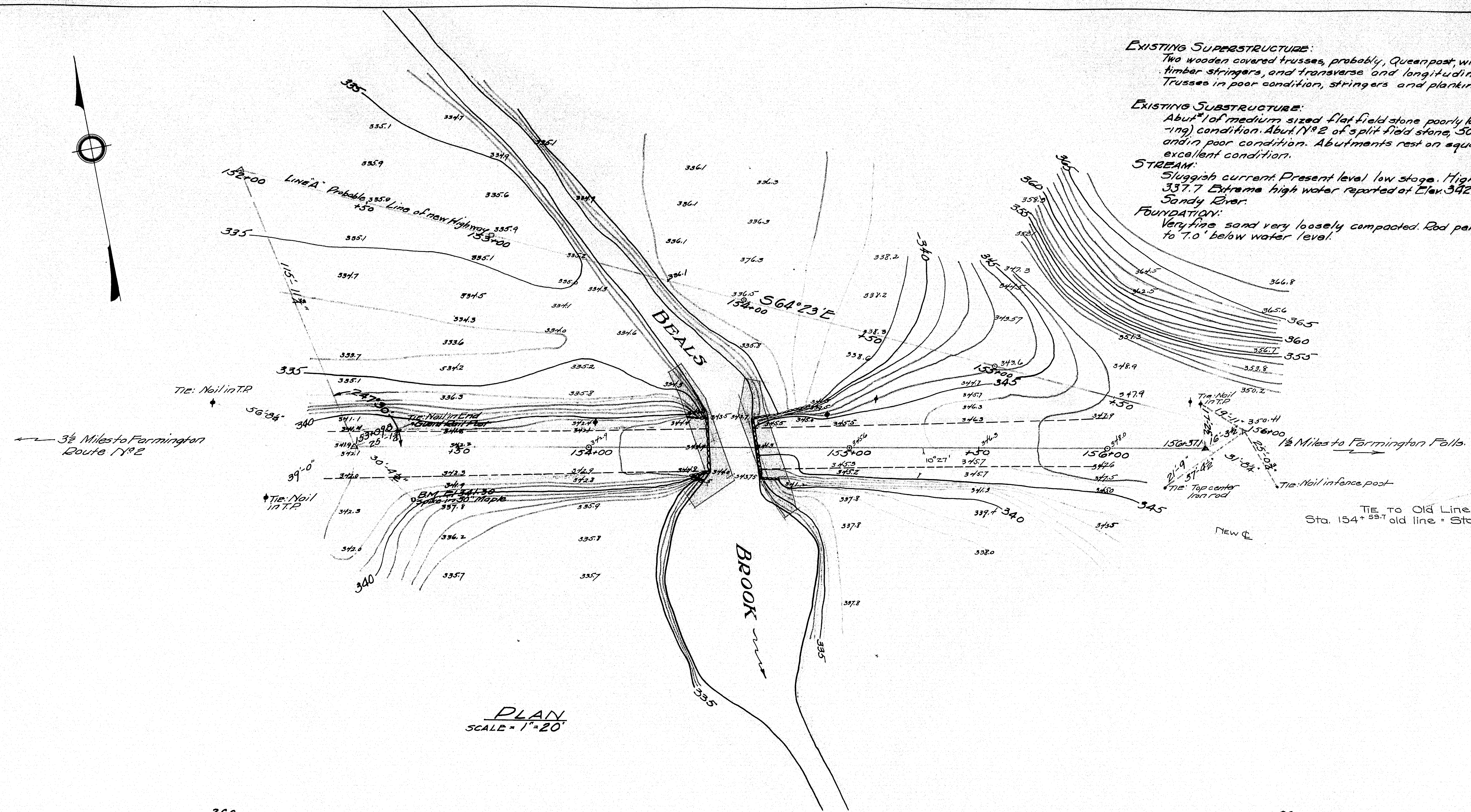


EXISTING SUPERSTRUCTURE:
Two wooden covered trusses, probably, Queenpost, with two 6"x12" floor beams, timber stringers, and transverse and longitudinal layers of planking. Trusses in poor condition, stringers and planking in fair condition.

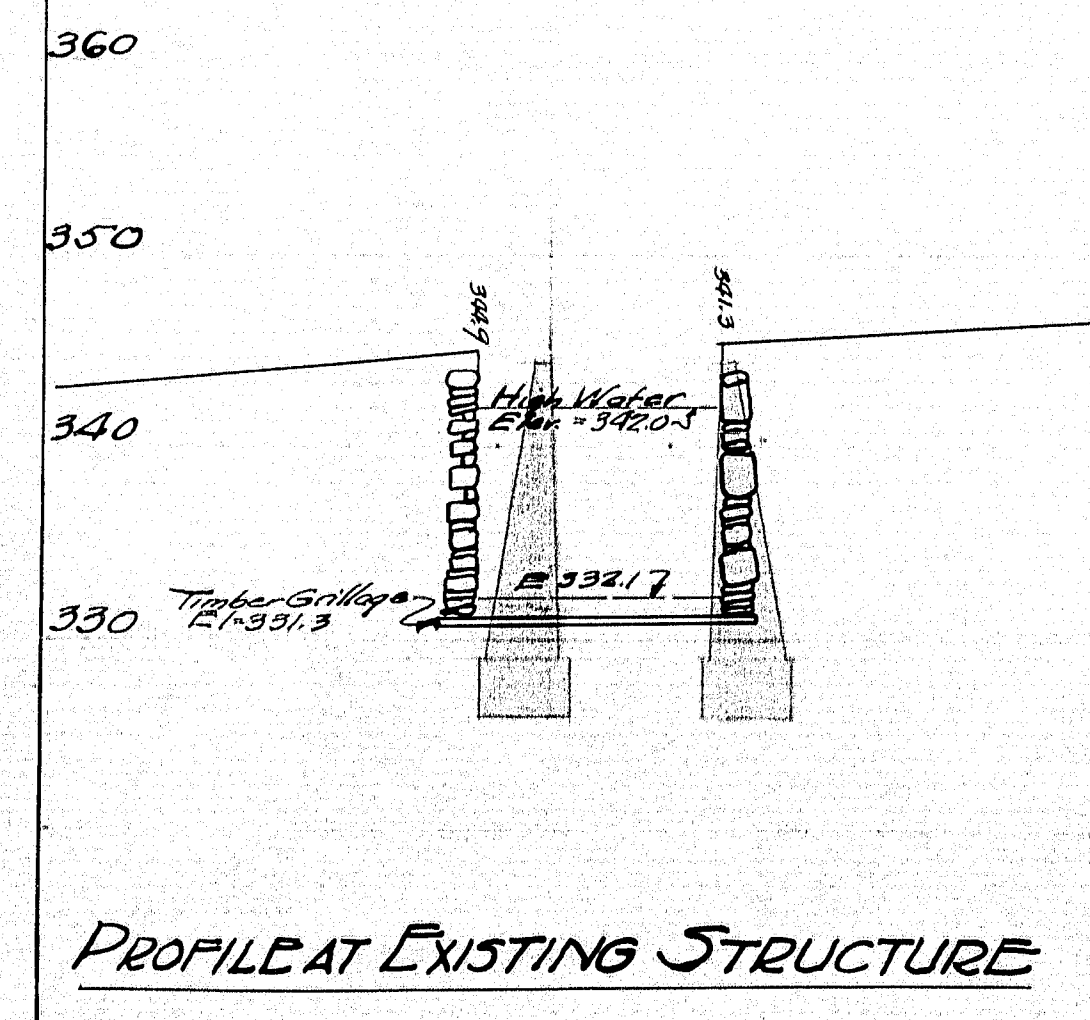
EXISTING SUBSTRUCTURE:
Abut^{ts} of medium sized flat field stone poorly laid dry and in bad (bulging) condition. Abut^{ts} of split field stone, 50% large, fairly laid dry and in poor condition. Abutments rest on squared timber grillage in excellent condition.

STREAM:
Sluggish current. Present level low stage. High water marks at Elev. 337.7. Extreme high water reported at Elev. 342.0 as backwater from Sandy River.

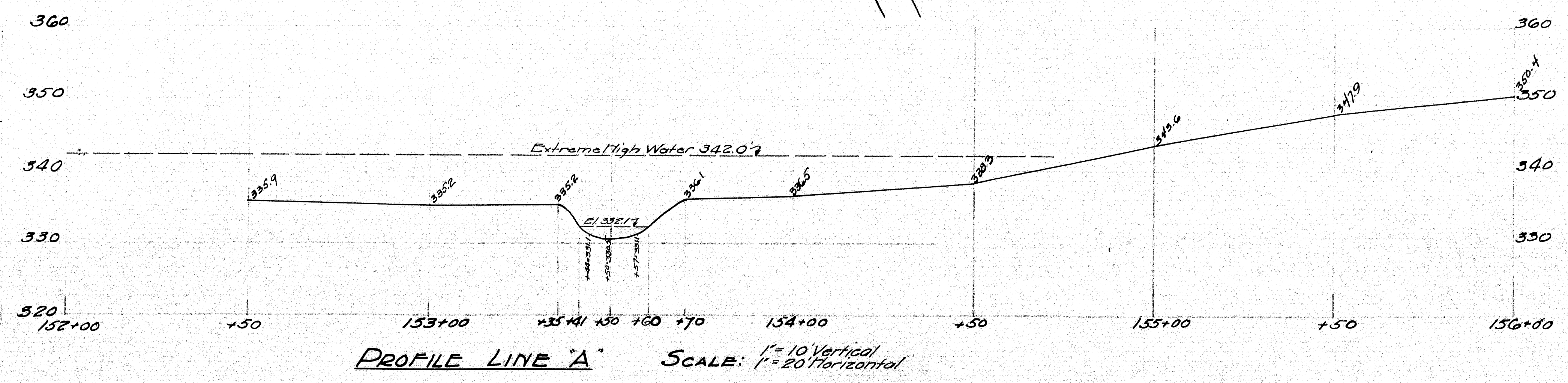
FOUNDATION:
Very fine sand very loosely compacted. Rod penetrated easily by hand to 7.0' below water level.



PLAN
SCALE = 1" = 20'

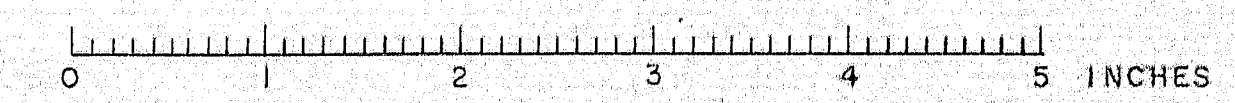


PROFILE AT EXISTING STRUCTURE

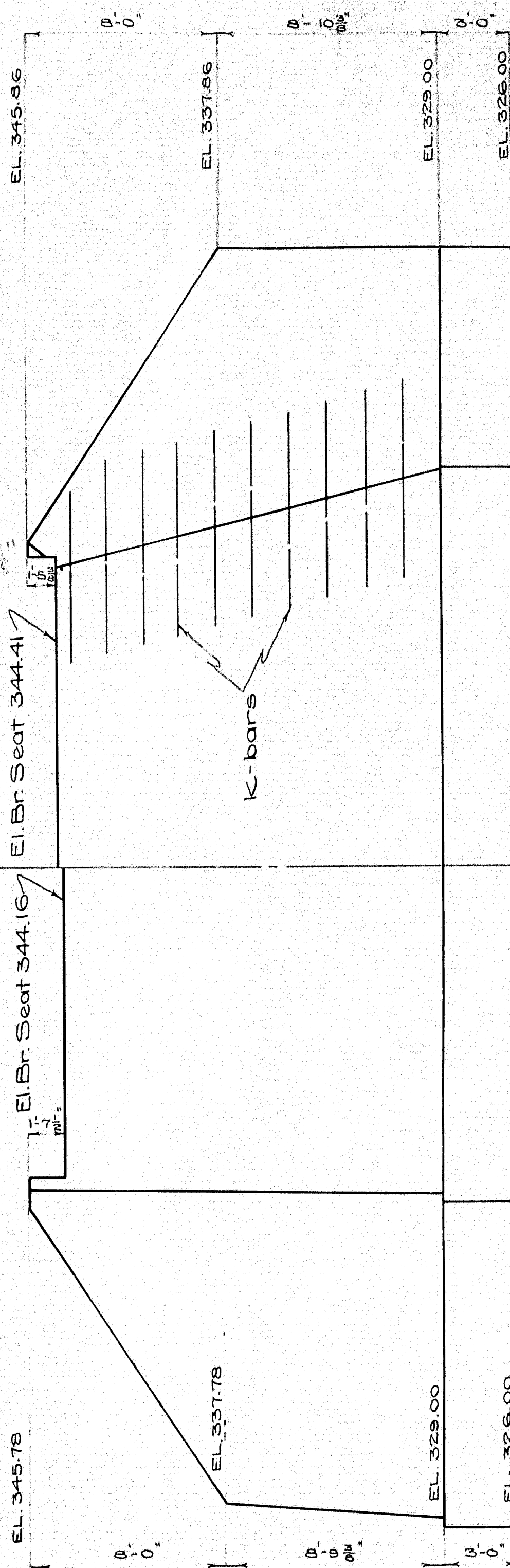


PROFILE LINE "A" SCALE: 1" = 10' Vertical
1" = 20' Horizontal

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
GOWER FARM BRIDGE
OVER
BEALS BROOK
IN THE TOWN OF
FARMINGTON - FRANKLIN CO.
SURVEY PLAN
SHEET 1 OF 4 AUGUSTA, ME. OCT. 28, 1930.

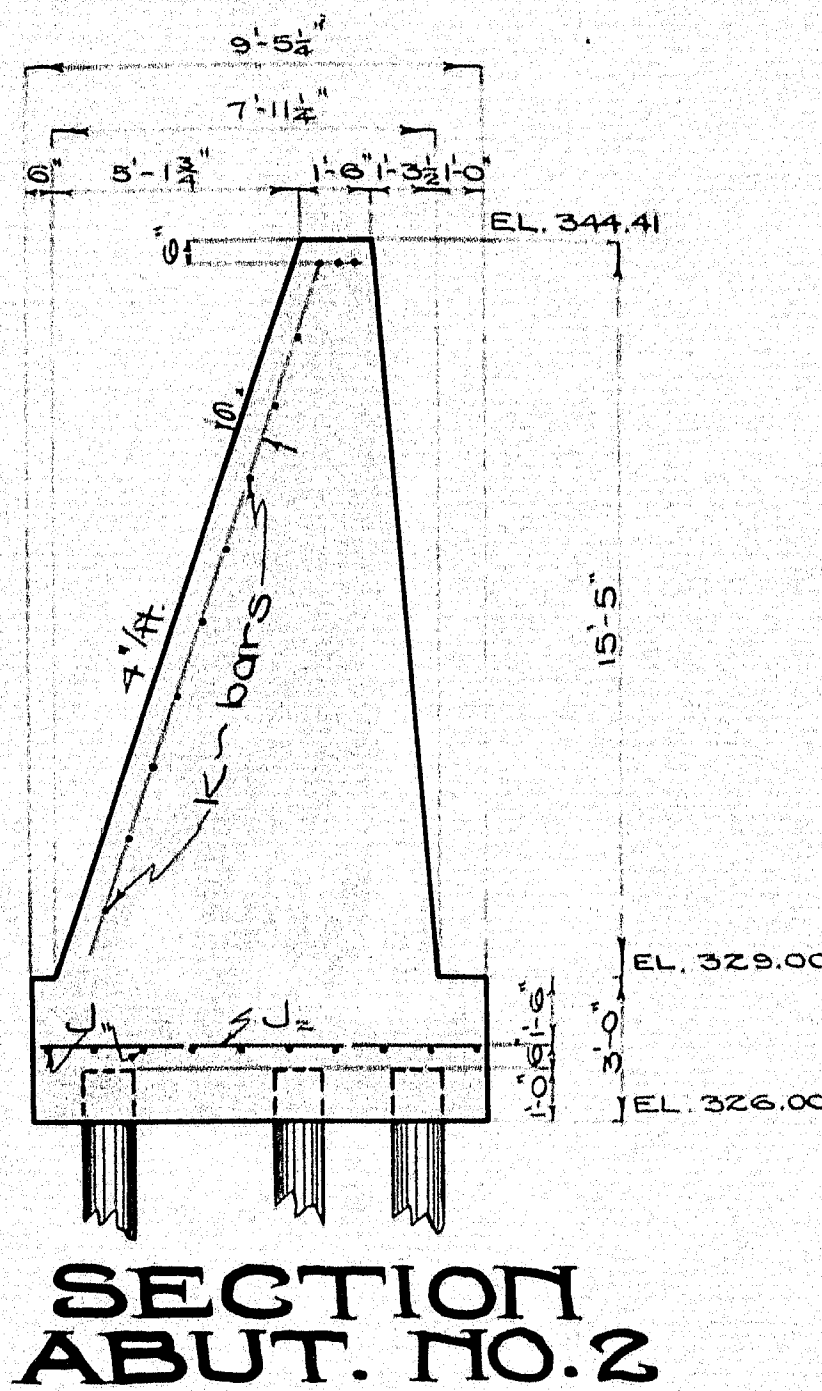


HALF FRONT ELEVATION NO. 1

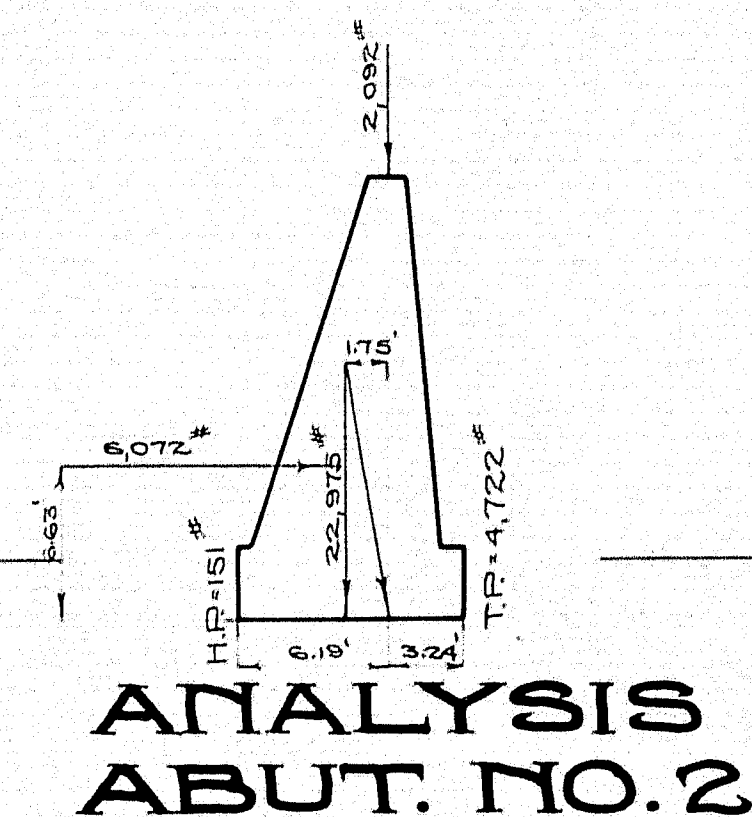


MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
GOWER FARM BRIDGE
OVER
BEALS BROOK
IN THE TOWN OF
FARMINGTON
FRANKLIN COUNTY
ABUTMENT DETAILS
Sheet 2 of 4 Augusta, Me. 5-29-31

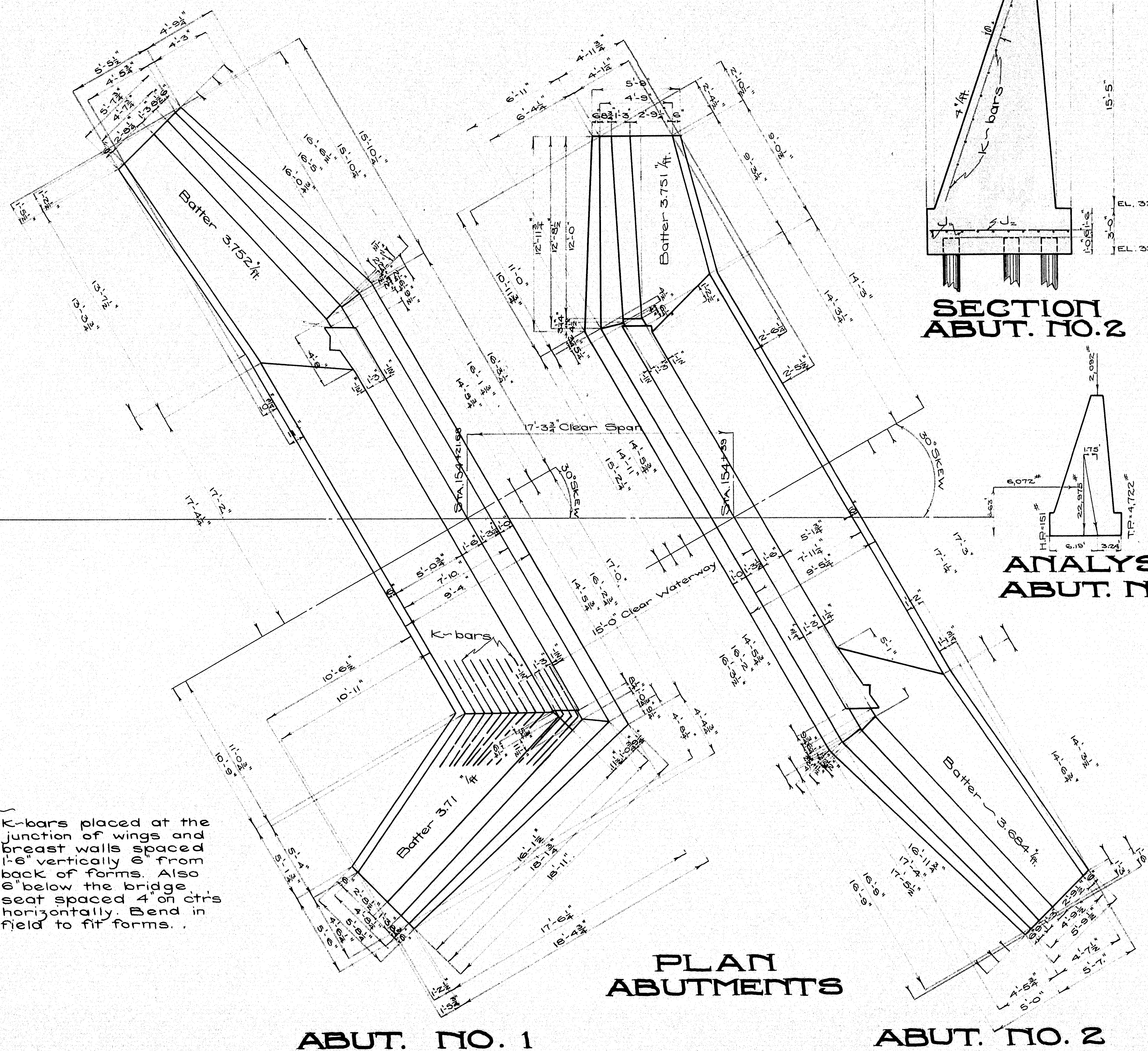
12-198



SECTION ABUT. NO. 2



ANALYSIS ABUT. NO. 2

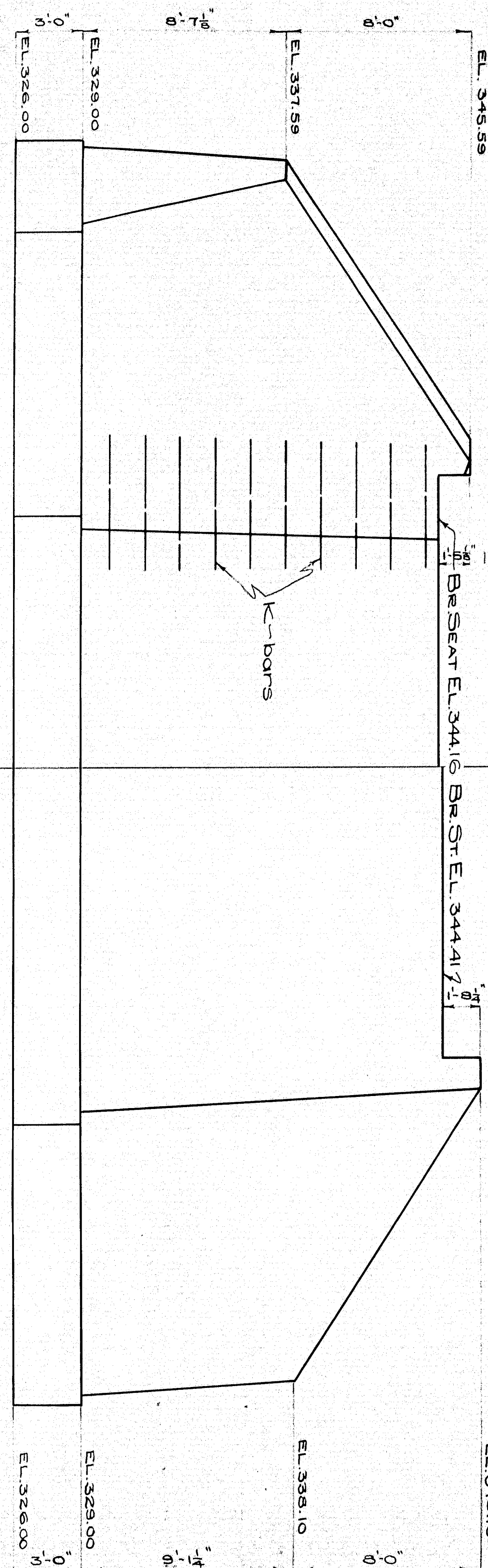


PLAN ABUTMENTS

ABUT. NO. 1

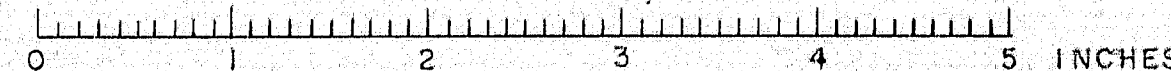
ABUT. NO. 2

Note —
K-bars placed at the
junction of wings and
breast walls spaced
1'-6" vertically 6" from
back of forms. Also
6" below the bridge
seat spaced 4" on ctr's
horizontally. Bend in
field to fit forms.

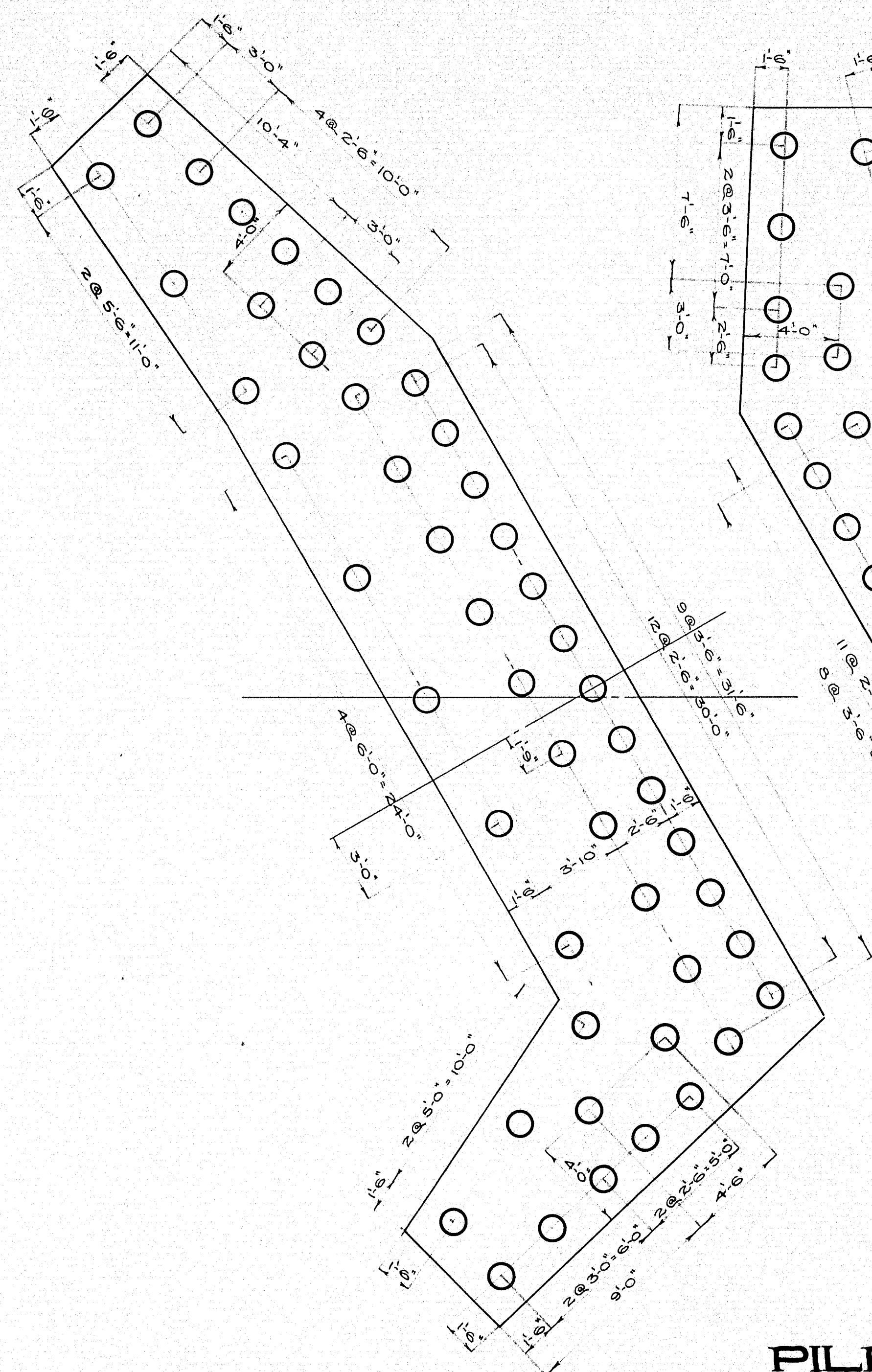


HALF REAR ELEV. ABUT. NO. 1 HALF FRONT ELEV. ABUT. NO. 2

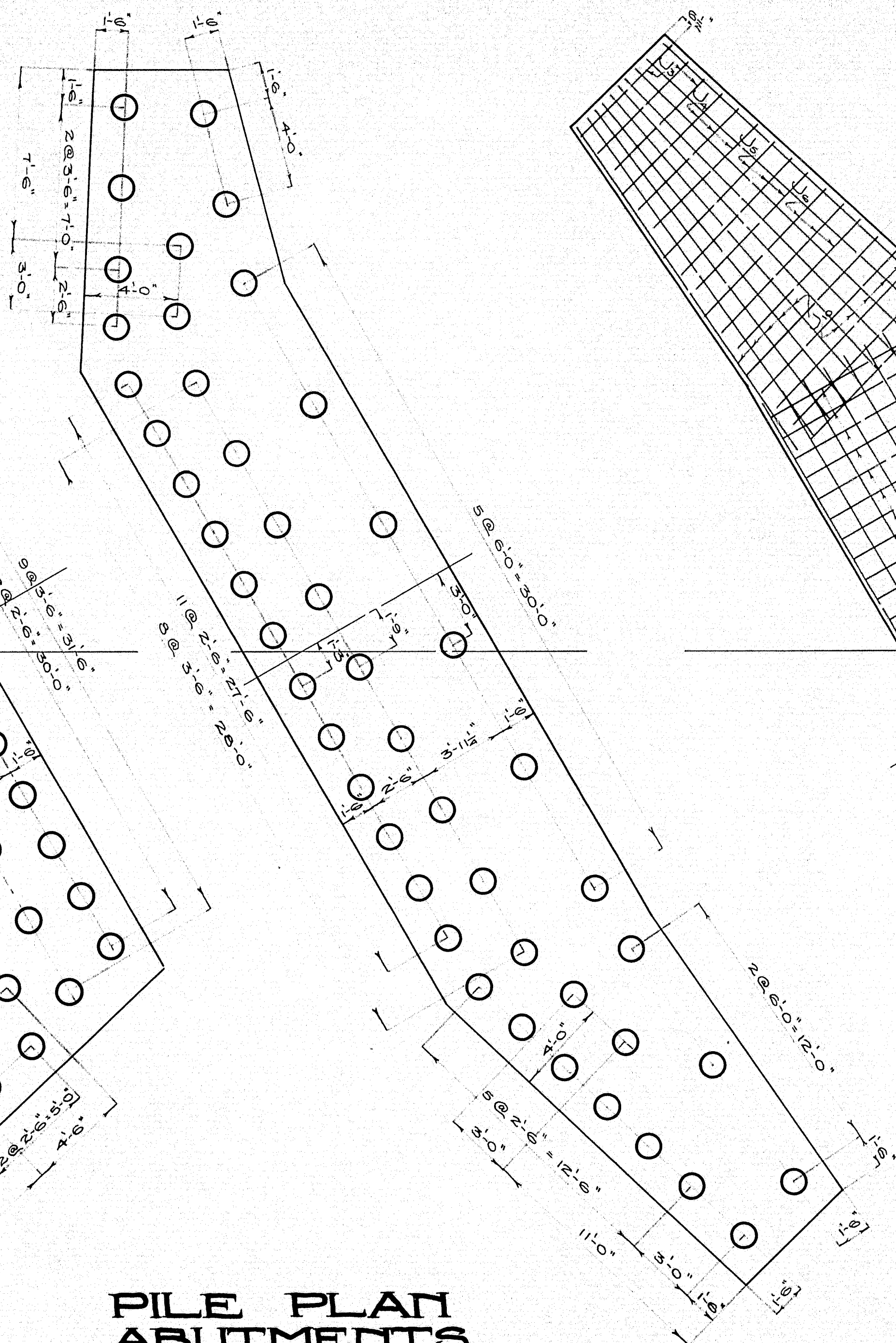
Design by — RJP
Traced by — RJP
Checked by — Hamilton



Design by —
 Traced by —
 Checked by —

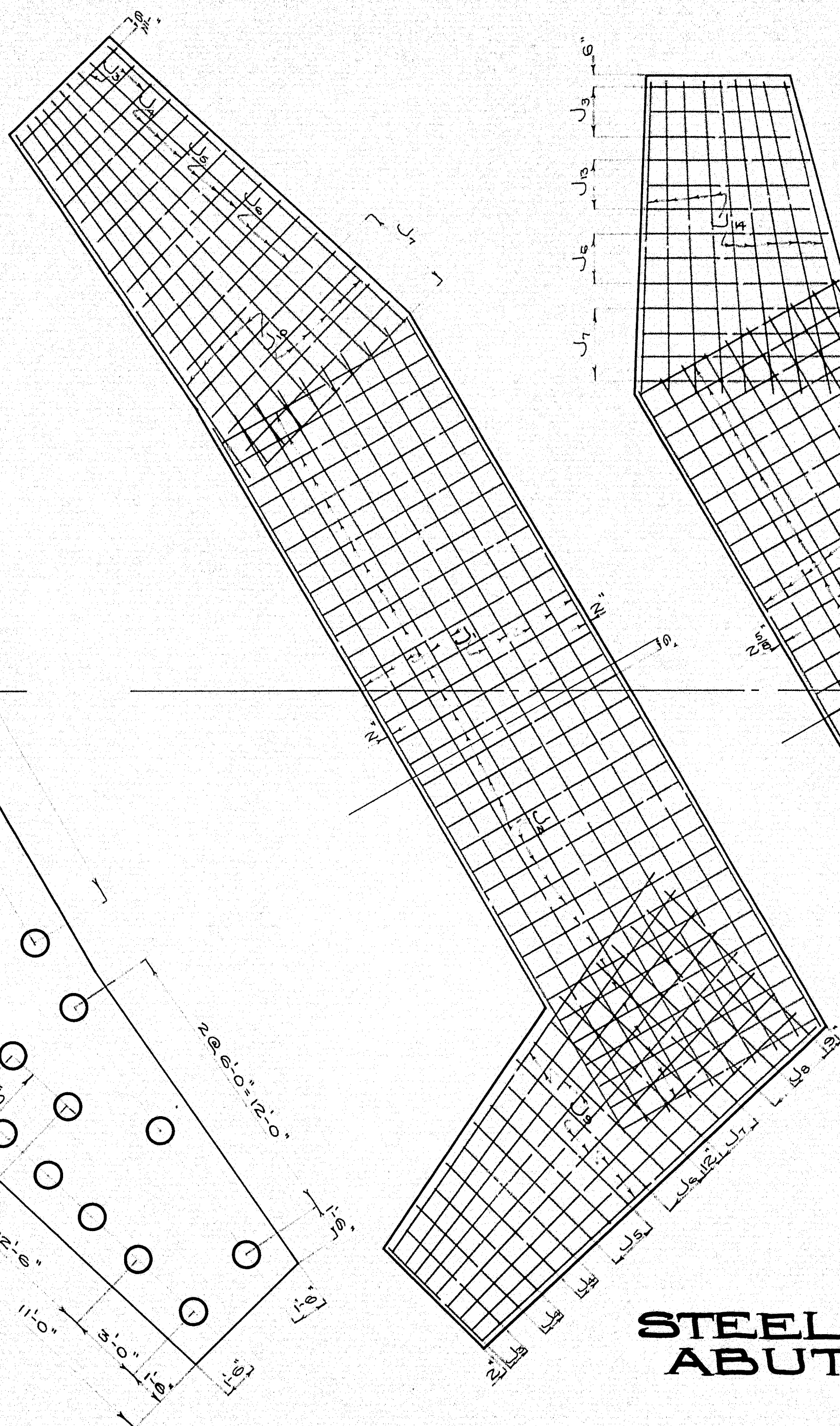


ABUT. NO. 1

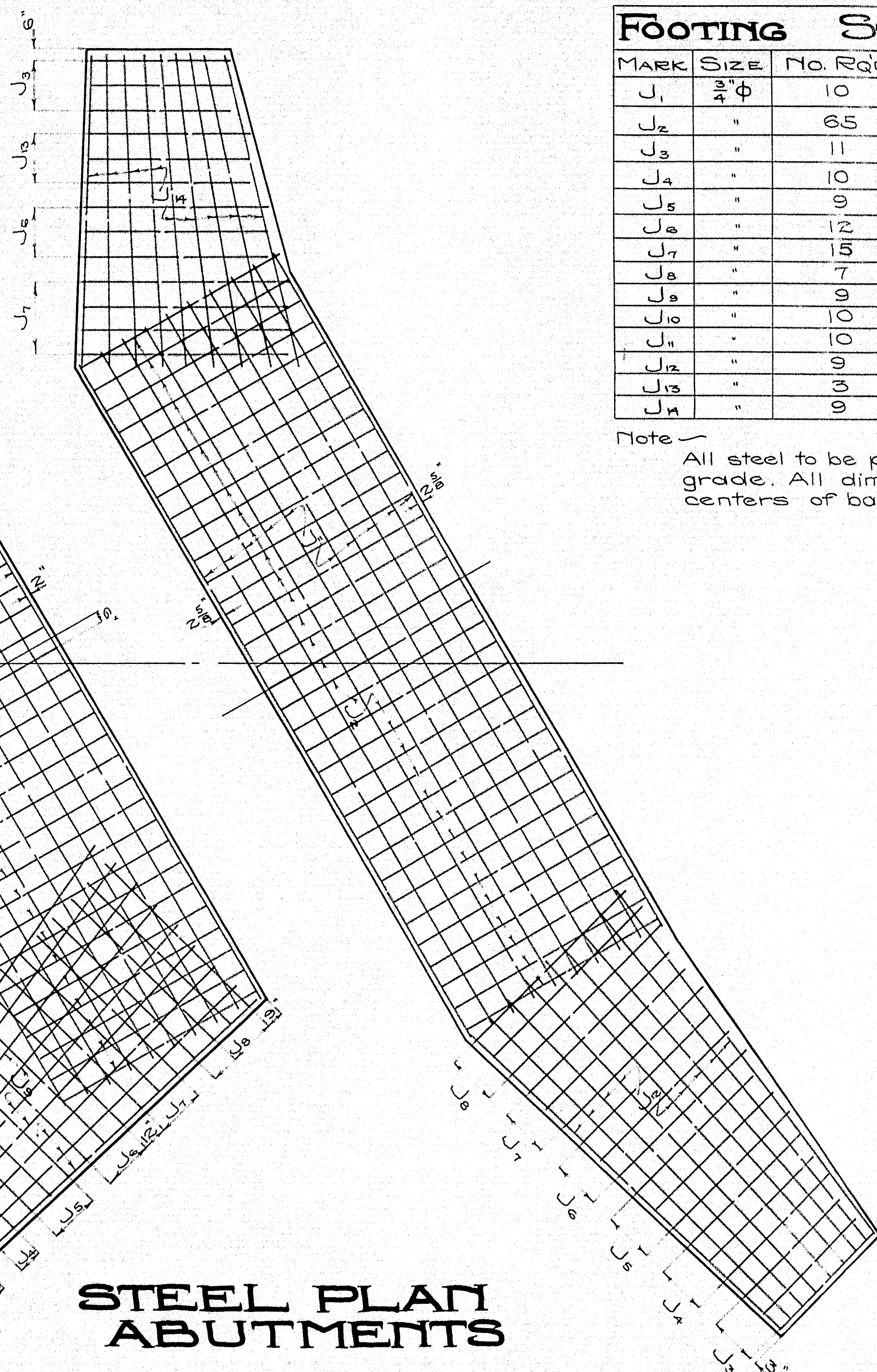


PILE PLAN
 ABUTMENTS

Note —
 96-15 Ton Piles Rqd.



ABUT. NO. 2



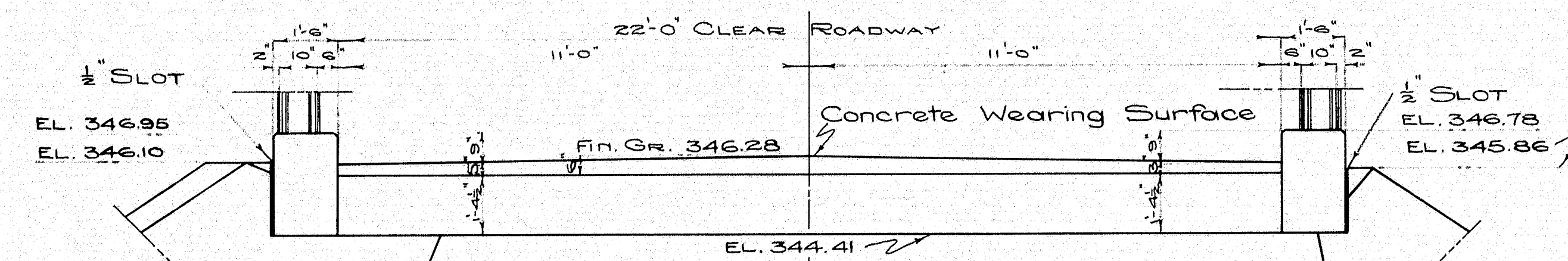
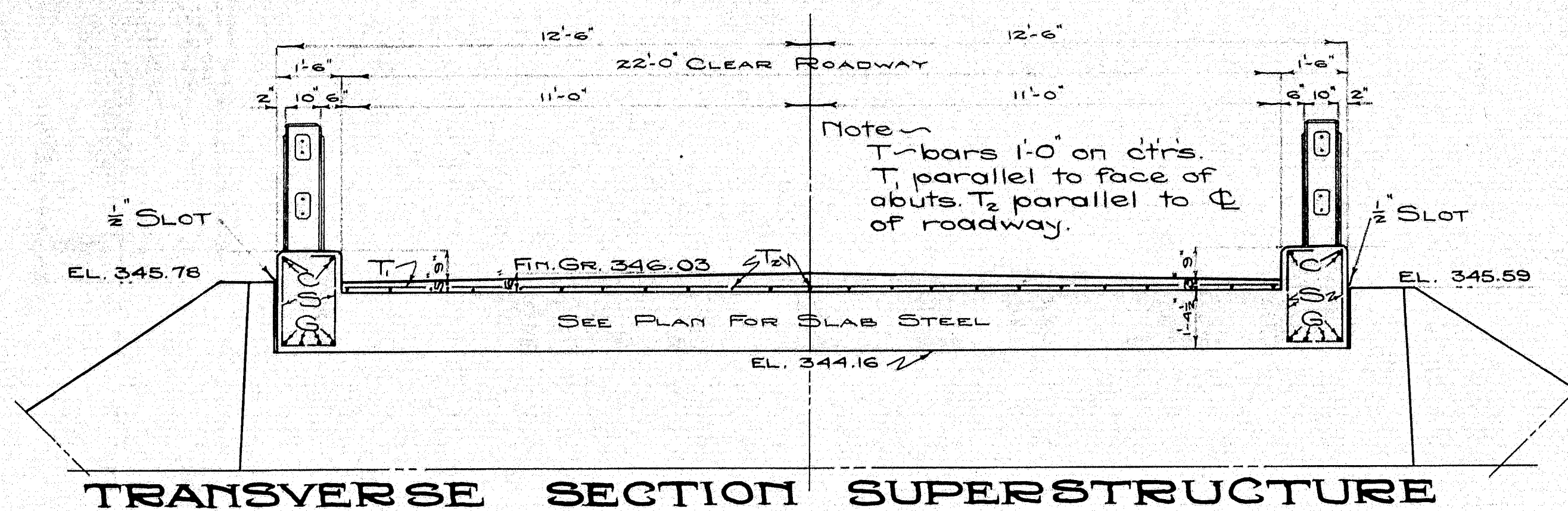
STEEL PLAN
 ABUTMENTS

MARK	SIZE	NO. REQ.	LENGTH	LOCATION
U ₁	3/4" Φ	10	33'-0 1/2"	Abut. #1
U ₂	"	65	9'-0"	Abuts. #1 & 2
U ₃	"	11	5'-3 3/4"	"
U ₄	"	10	6'-0 3/4"	"
U ₅	"	9	6'-8 1/4"	"
U ₆	"	12	7'-3 3/4"	"
U ₇	"	15	7'-11 1/2"	"
U ₈	"	7	8'-7"	"
U ₉	"	9	18'-6"	Abut. #1
U ₁₀	"	10	16'-4"	"
U ₁₁	"	10	31'-5 3/4"	" #2
U ₁₂	"	9	17'-2 1/2"	"
U ₁₃	"	3	6'-5"	"
U ₁₄	"	9	12'-9 3/4"	"

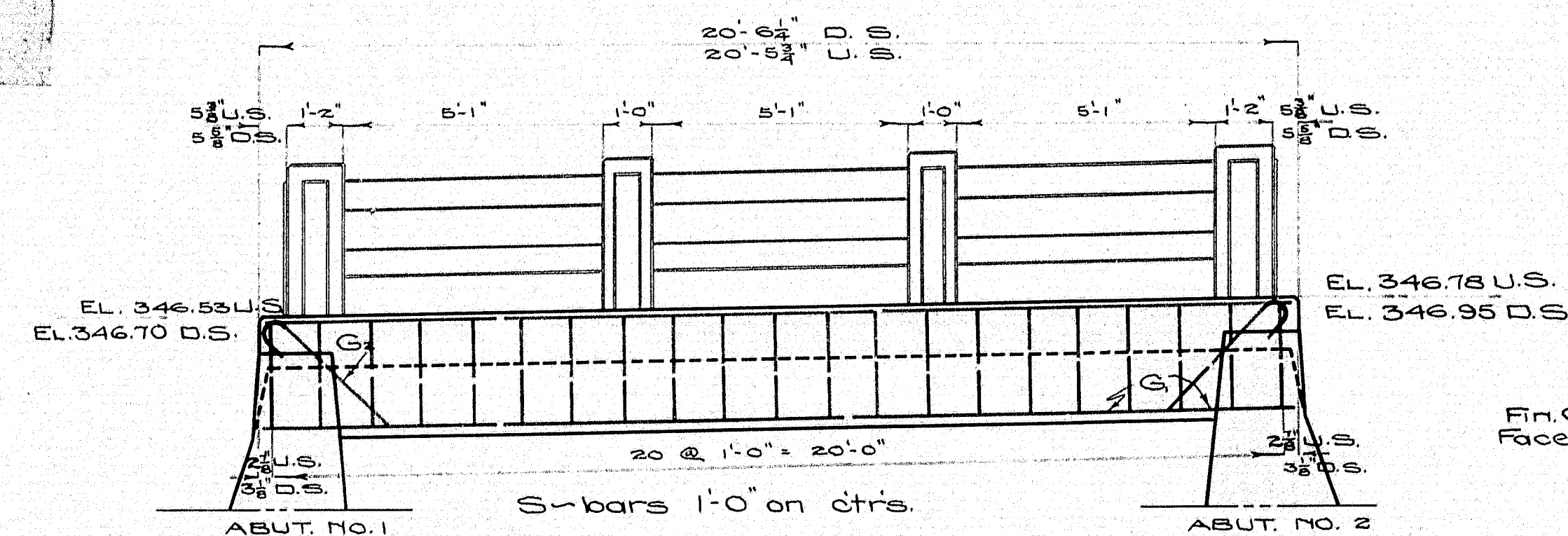
Note —
 All steel to be plain rounds of structural grade. All dimensions are given to centers of bars. All U-bars 1'-0" on ctr's.

MAINE HIGHWAY COMMISSION
 BRIDGE DIVISION
GOWER FARM BRIDGE
 OVER
BEALS BROOK
 IN THE TOWN OF
FARMINGTON
FRANKLIN COUNTY
FOOTING DETAILS
 Sheet 3 of 4 Augusta, Me. June 4, 31.

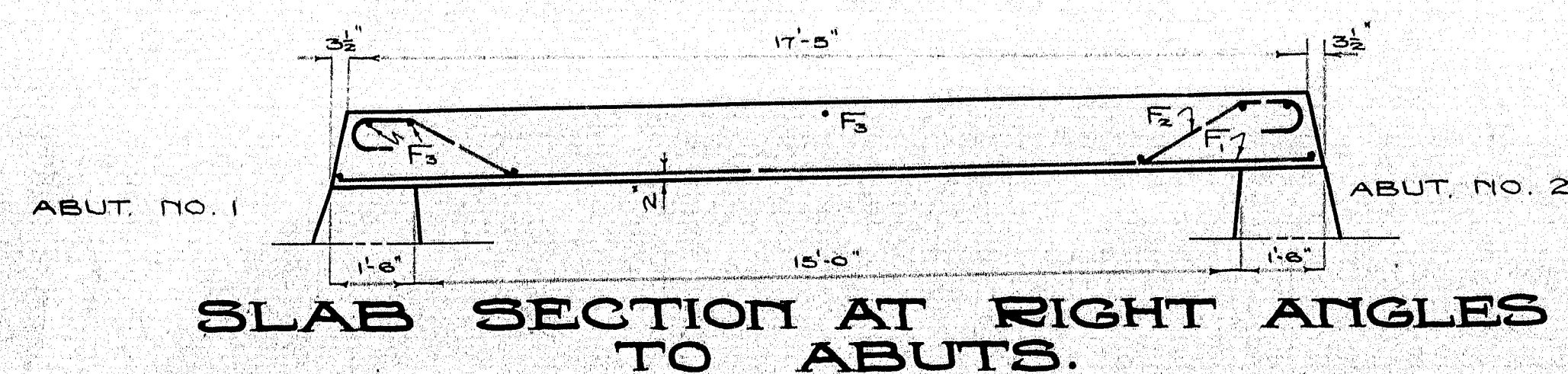
Note - Cover the $\frac{1}{2}$ " vertical slots between the superstructure and wing walls on the back side with two layers of heavy roofing felt. Felt to be 10' wide. Coat concrete and back side of each layer of felt as applied with hot tar or asphalt. The area to be covered by the felt is to be recessed $\frac{1}{4}$ " by nailing thin strips to the forms before the concrete is placed.



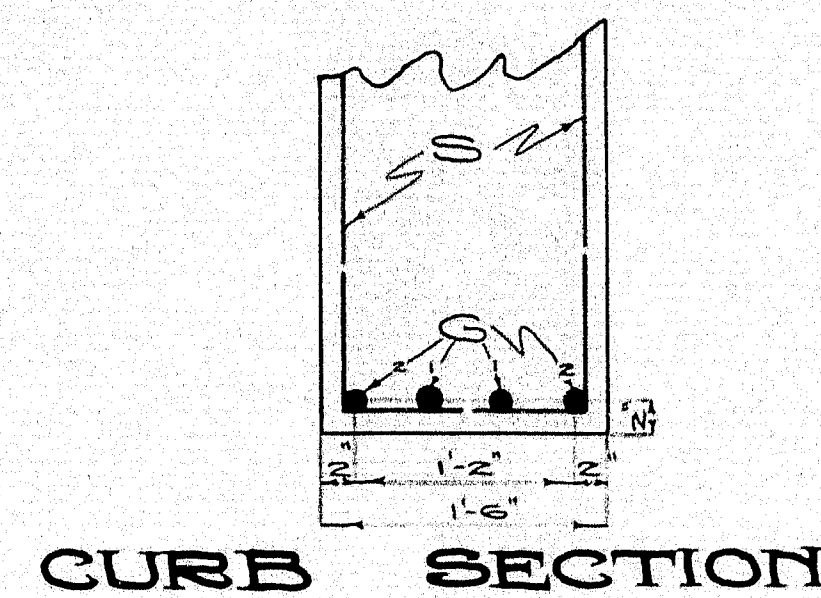
END ELEVATION SUPERSTRUCTURE AT ABUT. NO. 2



LONGITUDINAL ELEV. CURBS AND RAIL



SLAB SECTION AT RIGHT ANGLES TO ABUTS.



CURB SECTION

MARK	SIZE	No. Rqd.	LEN.	LOCATION
F ₁₀	1"φ	2	15'-8 1/2"	Slab-Str.
S	1/2"φ	42	6'-7 1/2"	Curbs
P	3/4"φ	32	4'-0"	Rail Posts
K	3/4"φ	48	6'-0"	Abuts. & Wings
B	5/8"φ	24	5'-5"	Rails
C	1/2"φ	4	20'-4"	Curbs
T ₁	3/4"φ	21	25'-2"	Wearing Surface
T ₂	3/4"φ	22	19'-11"	"

Note - All steel to be plain bars of structural grade. All dimensions are given to centers of bars.

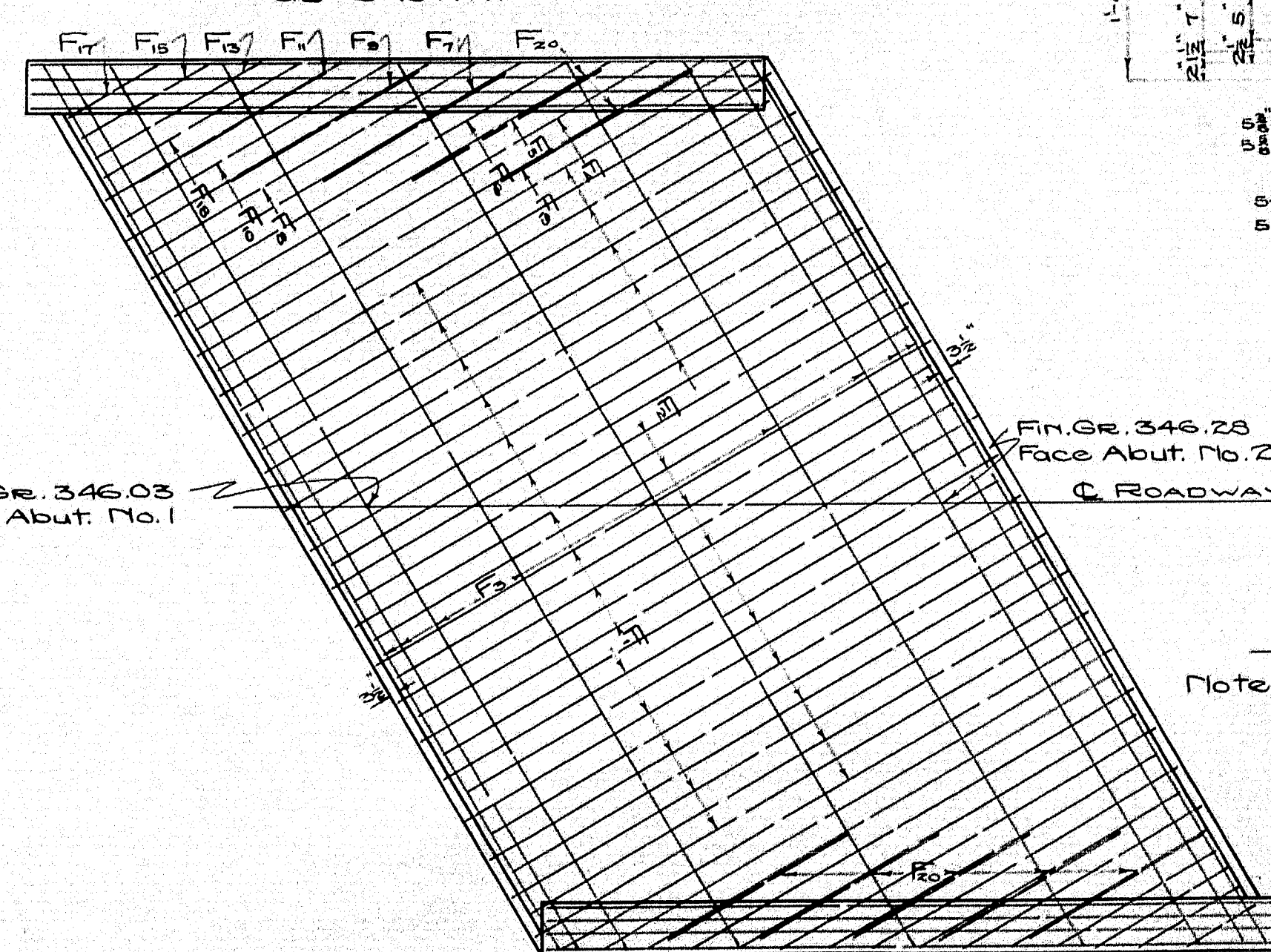
MARK	SIZE	No. Rqd.	LEN.	LOCATION
F ₁₀	1"φ	4	5'-11 1/2"	Top & Bottom Slab
F ₂₀	1"φ	10	6'-0"	"

STEEL SCHEDULE						
MARK	SIZE	No. Rqd.	A	B	TOTAL LENGTH	LOCATION
F ₂	1"φ	16	9 1/2"	11'-4 1/2"	19'-3 1/2"	Slab
F ₄	1"φ	2	2'-5"	7'-7"	17'-6 1/2"	"
F ₆	1"φ	2	2'-5"	5'-5"	15'-4 1/2"	"
F ₈	1"φ	2	2'-5"	3'-3"	13'-2 1/2"	"
F ₁₀	1"φ	2	2'-5"	1'-1"	11'-0 1/2"	"

STRAIGHT BARS				
MARK	SIZE	No. Rqd.	LENGTH	LOCATION
F ₁	1"φ	15	17'-8"	Slab
F ₃	1"φ	9	28'-8"	"
F ₅	1"φ	2	13'-6 1/2"	"
F ₇	1"φ	2	11'-4 1/2"	"
F ₉	1"φ	2	9'-2 1/2"	"
F ₁₁	1"φ	2	7'-0 1/2"	"
F ₁₃	1"φ	4	4'-10 1/2"	Top & Bottom of slab
F ₁₅	1"φ	4	3'-9 1/2"	"
F ₁₇	1"φ	4	2'-8 1/2"	"
G ₁	1"φ	4	20'-4"	Curbs

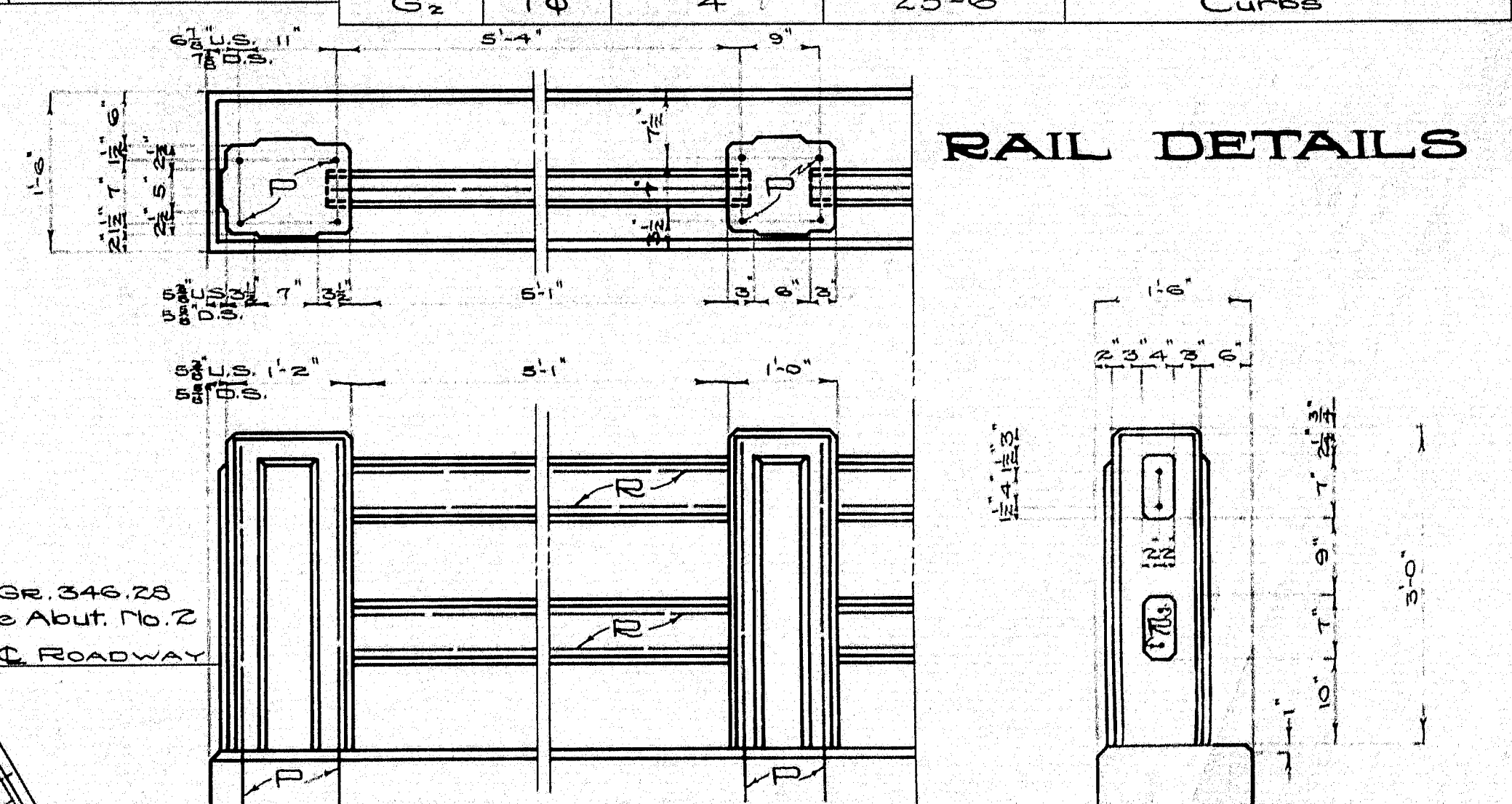
MARK	SIZE	No. Rqd.	LENGTH	LOCATION
G ₂	1"φ	4	23'-6"	Curbs

Note - Add F₂₀ bars in top of slab as shown.



PLAN SLAB STEEL

Note - F-bars Str. and Bent alternate at 7 1/2' c'trs.



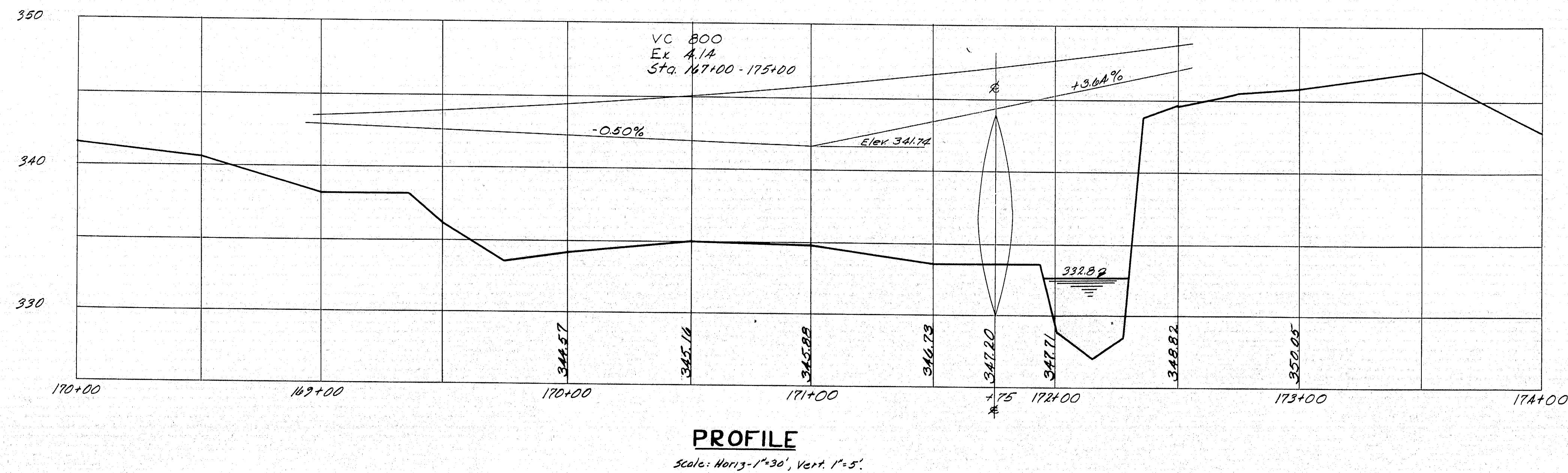
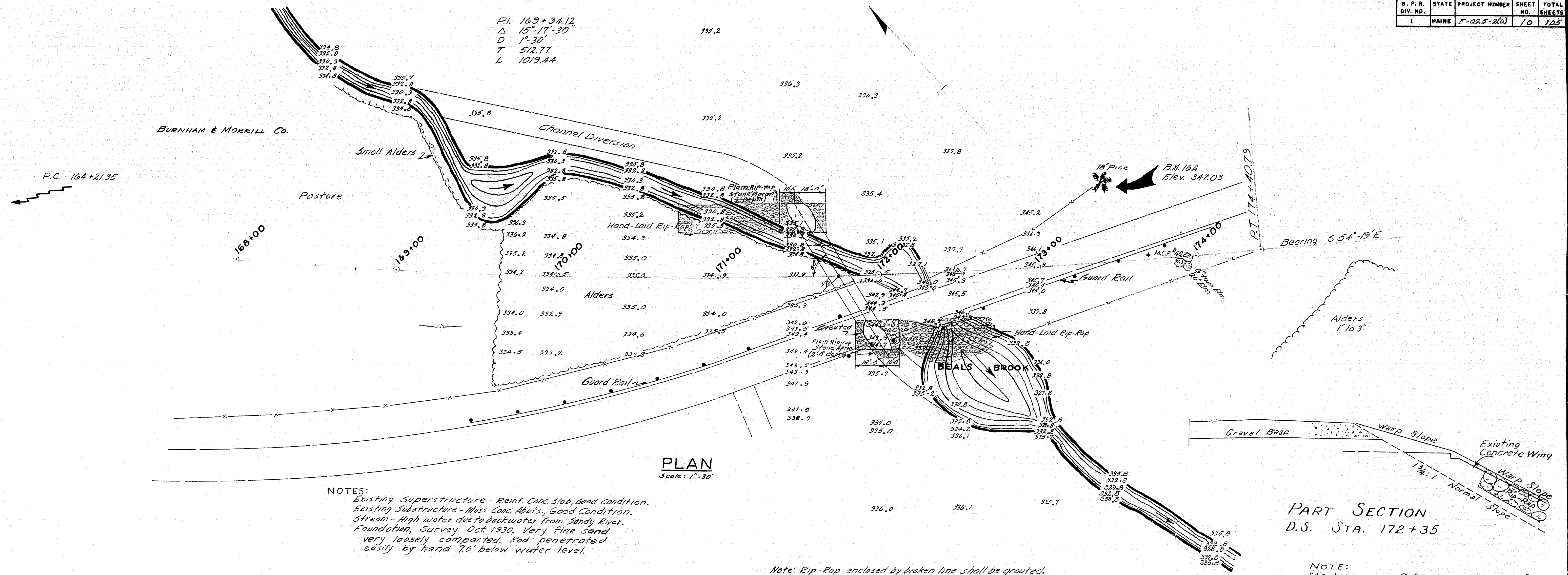
RAIL DETAILS

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
GOWER FARM BRIDGE
OVER
BEALS BROOK
IN THE TOWN OF
FARMINGTON
FRANKLIN COUNTY
SUPERSTRUCTURE PLAN
Sheet 4 of 4, Augusta, Me. 6-17-31.

12-200

Design by
Traced by
Checked by

B. P. R.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-225-2(6)	10	105

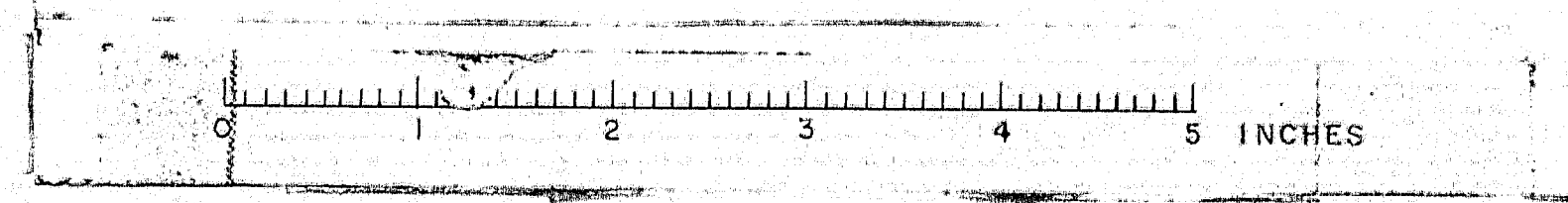


DESIGN - COFFIN
SURVEY - BLAKE
CHECK - COFFIN

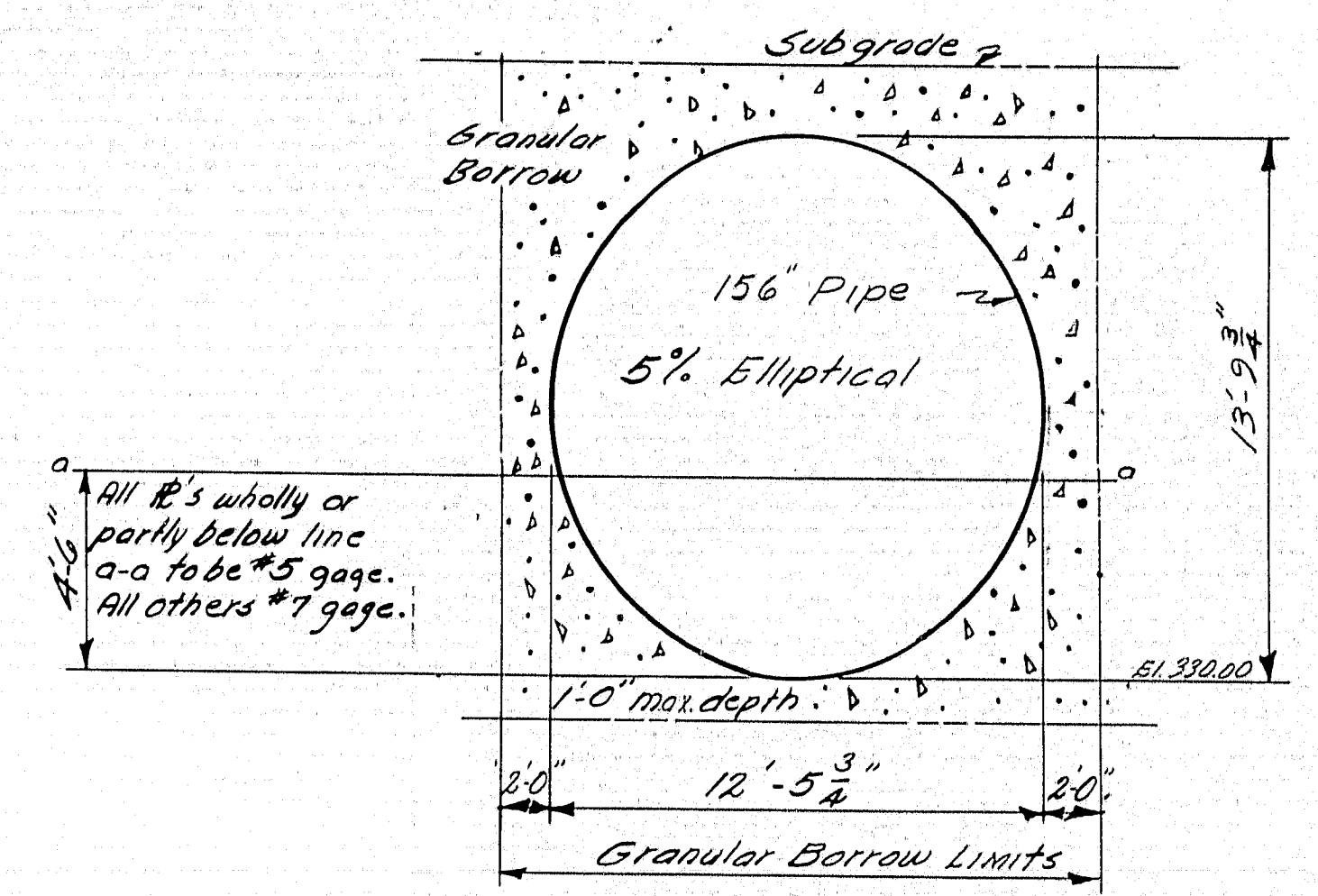
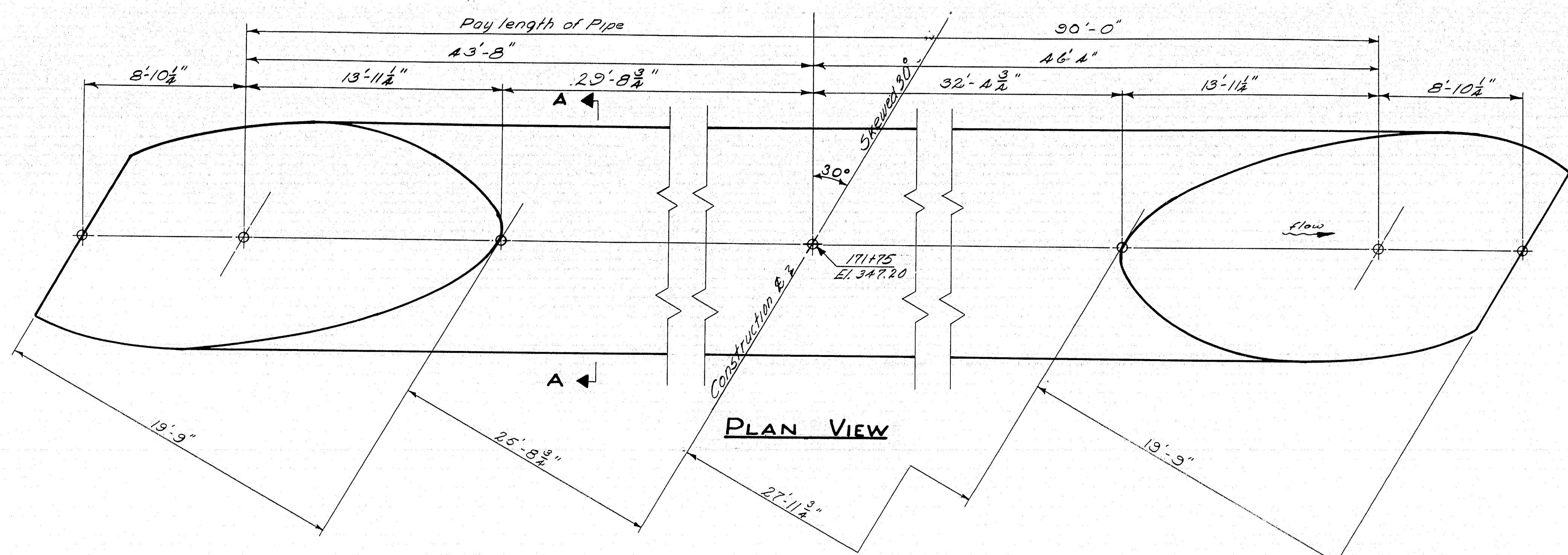
BRIDGE NO. 156
SURVEY - BLAKE
PLOT - COFFIN

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
GOWER FARM BRIDGE
156" STRUCTURAL PLATE PIPE
OVER
BEALS BROOK
IN THE TOWN OF
FARMINGTON
FRANKLIN COUNTY
SURVEY
SHEET OF AUGUSTA, MAINE APRIL 11, 1957

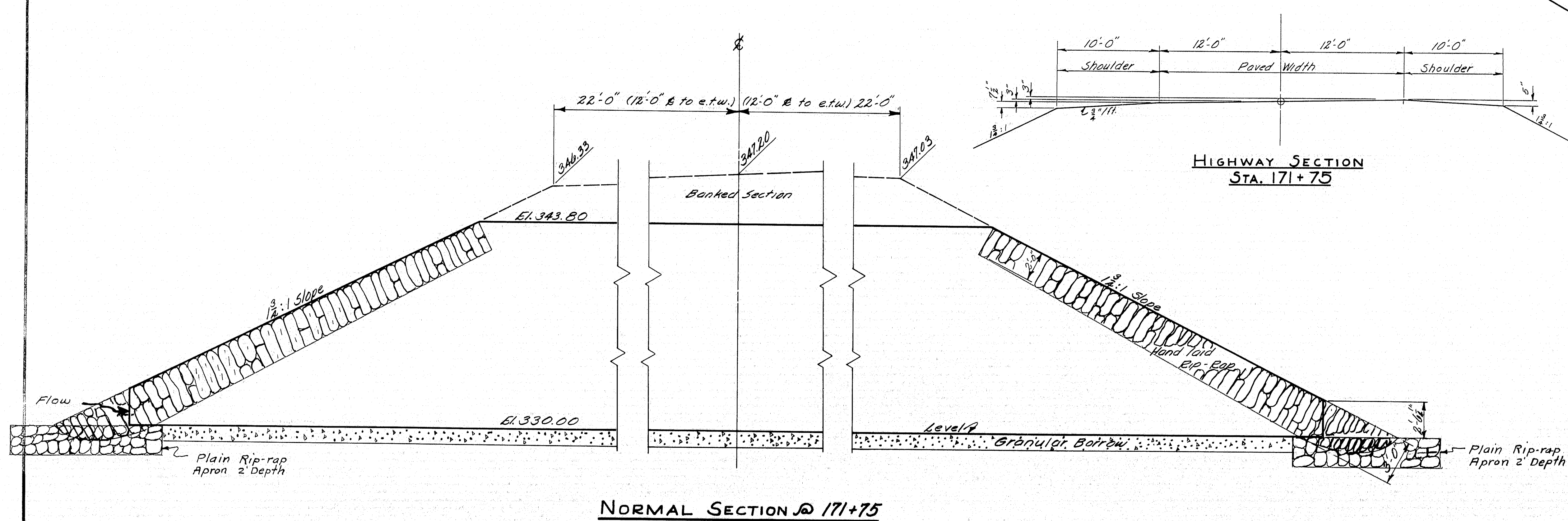
M-743



S. P. R. DIV. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-025-10	11	105



Reqd: One 156" Structural R. Pipe, Elliptical & Unstrutted
 Loading: H20-S16-44
 Specs: State of Maine, S.H.C., Revision of Jan 1956



DESIGN - COFFIN
 TRACE - COFFIN
 CHECK - [Signature]

BRIDGE NO. SURVEY PLOT

STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
GOWER FARM BRIDGE
 156" STRUCTURAL PLATE PIPE OVER
BEALS BROOK
 IN THE TOWN OF
FARMINGTON
FRANKLIN COUNTY
 STRUCTURAL PLATE PIPE

SHEET OF AUGUSTA, MAINE MAY 7, 1957

M-744

