

STATE OF MAINE
STATE HIGHWAY COMMISSION



NEW BRIDGE

OVER

YORK RIVER

IN THE TOWN OF

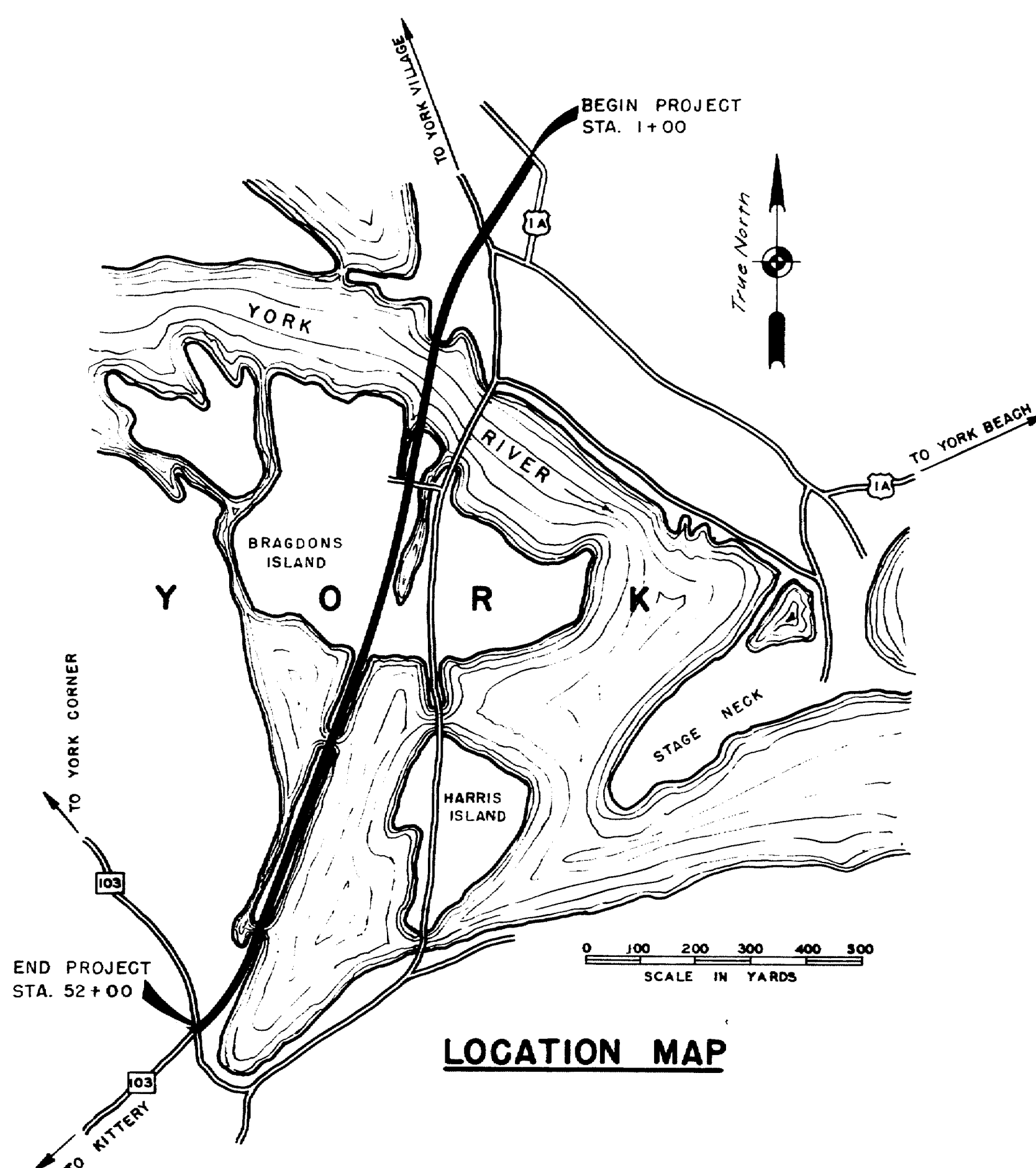
YORK

YORK COUNTY

FEDERAL AID SECONDARY
PROJECT NO. S-0100 (4)

LENGTH OF PROJECT.....0.966 MILE

B. P. R.	STATE	FED. AID	SHEET	TOTAL
DIV. NO.	P. O. NO.	NO.	NO.	SHEETS
1	MAINE	S-0100(4)	1	42



LOCATION MAP

CONCRETE CLASSIFICATION

SUPERSTRUCTURE SLABS, ABUTMENT BACKWALL
CAPS, AND APPROACH CURBS.....CLASS "A"
RAIL.....CLASS "Y"

LOADING H20-44

fs = 18000 p.s.i.
fc = 1200 p.s.i.
n = 10

SPECIFICATIONS

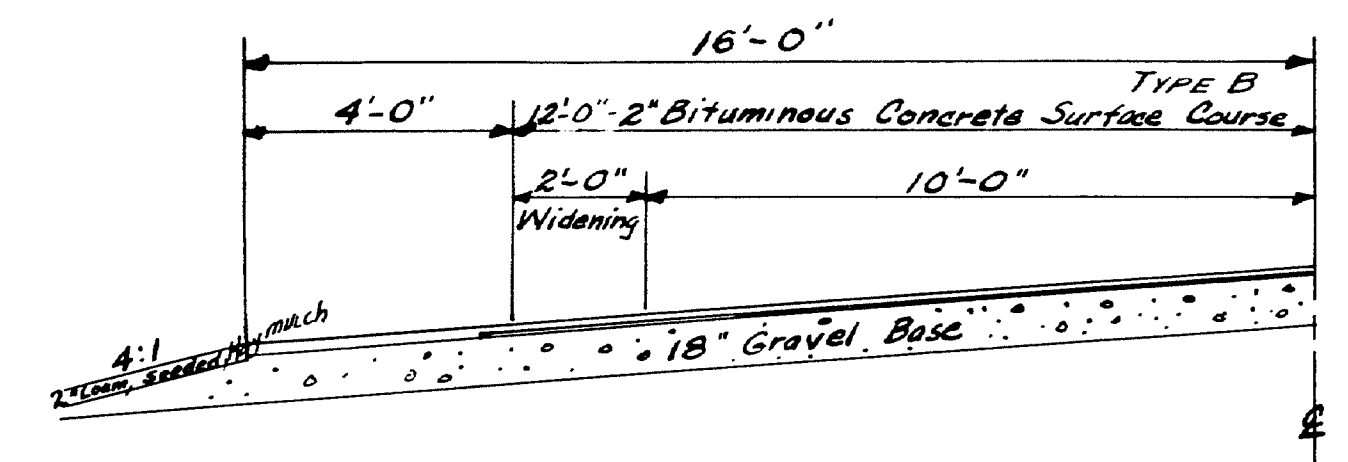
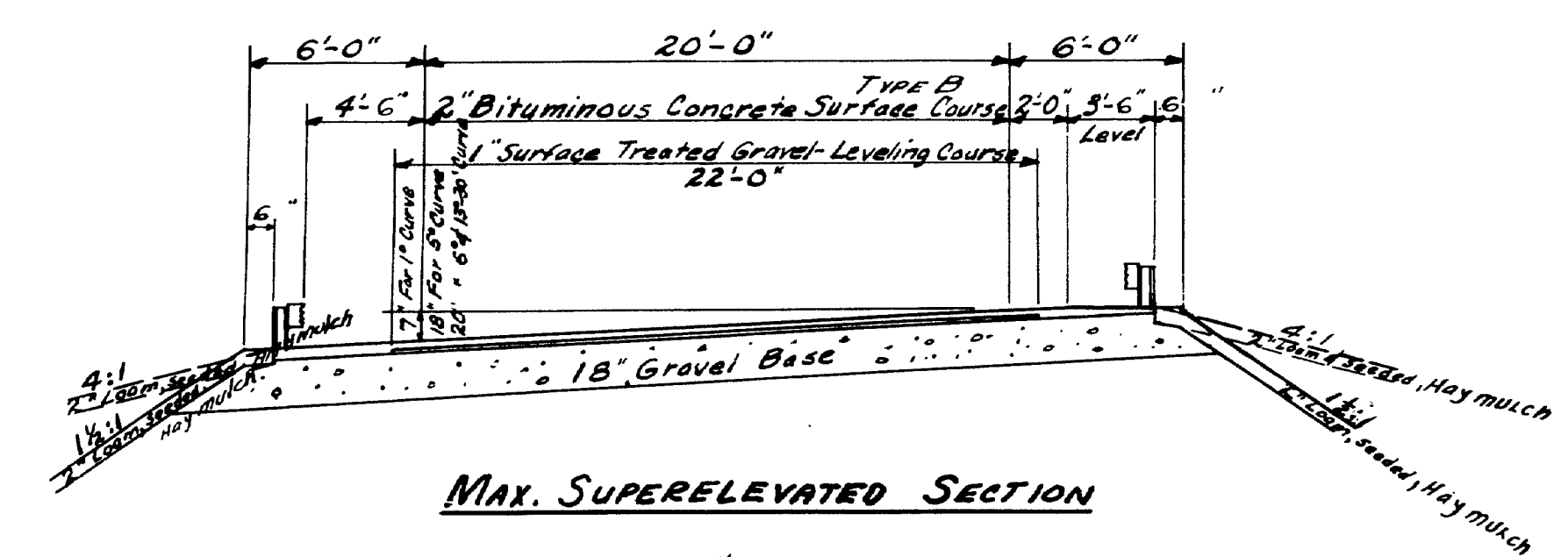
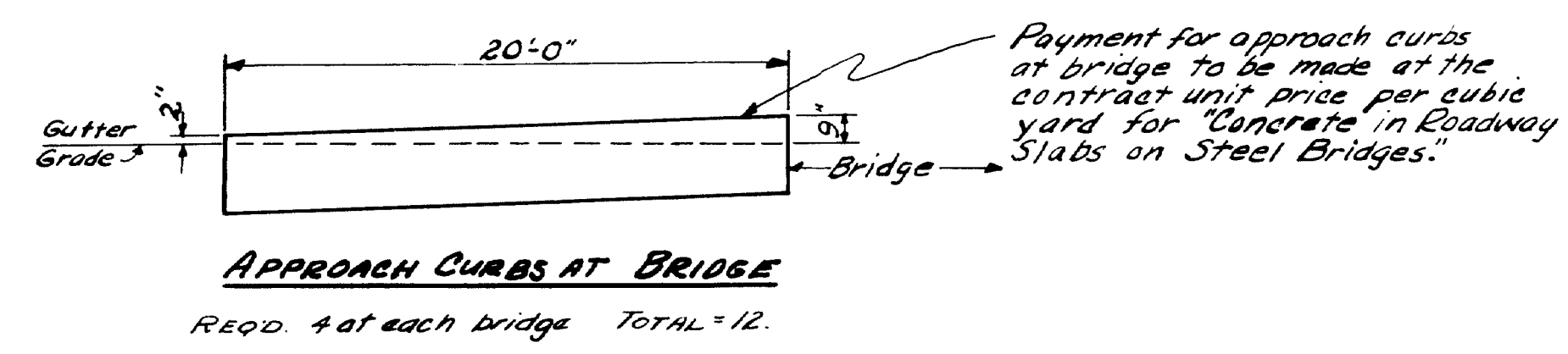
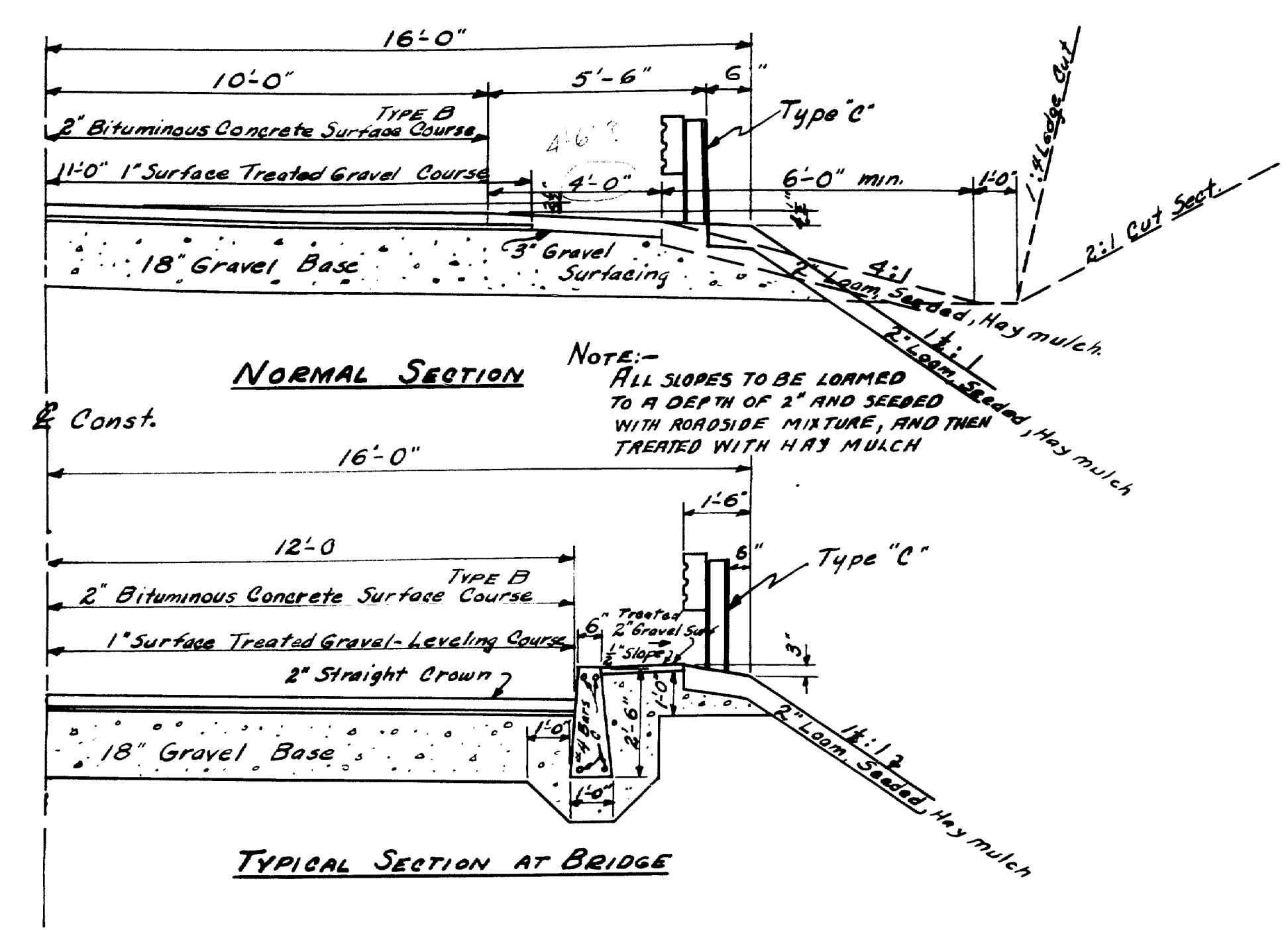
MAINE STATE HIGHWAY COMMISSION STANDARD
SPECIFICATIONS, REVISIONS OF JAN. 1956, EXCEPT
AS MODIFIED ON THESE PLANS AND IN THE
SUPPLEMENTAL SPECIFICATIONS.

INDEX OF SHEETS

1	TITLE SHEET
2	TYPICAL SECTIONS
3	LAYOUT - CONSTRUCTION CENTER LINE
4-17	SURVEY - PLAN, PROFILE & FOUNDATION
18-25	CROSS SECTIONS
26-33	STRUCTURAL DETAILS-NEW BRIDGE OVER YORK RIVER
34-36	STRUCTURAL DETAILS-NEW BRIDGE AT STA. 34+12.5
37-39	STRUCTURAL DETAILS-NEW BRIDGE AT STA. 44+81.5
40-42	STANDARD DETAILS
28-30	NAVIGATION LIGHTS

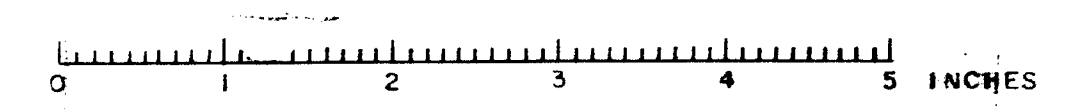
APPROVED:
MAINE STATE HIGHWAY COMMISSION

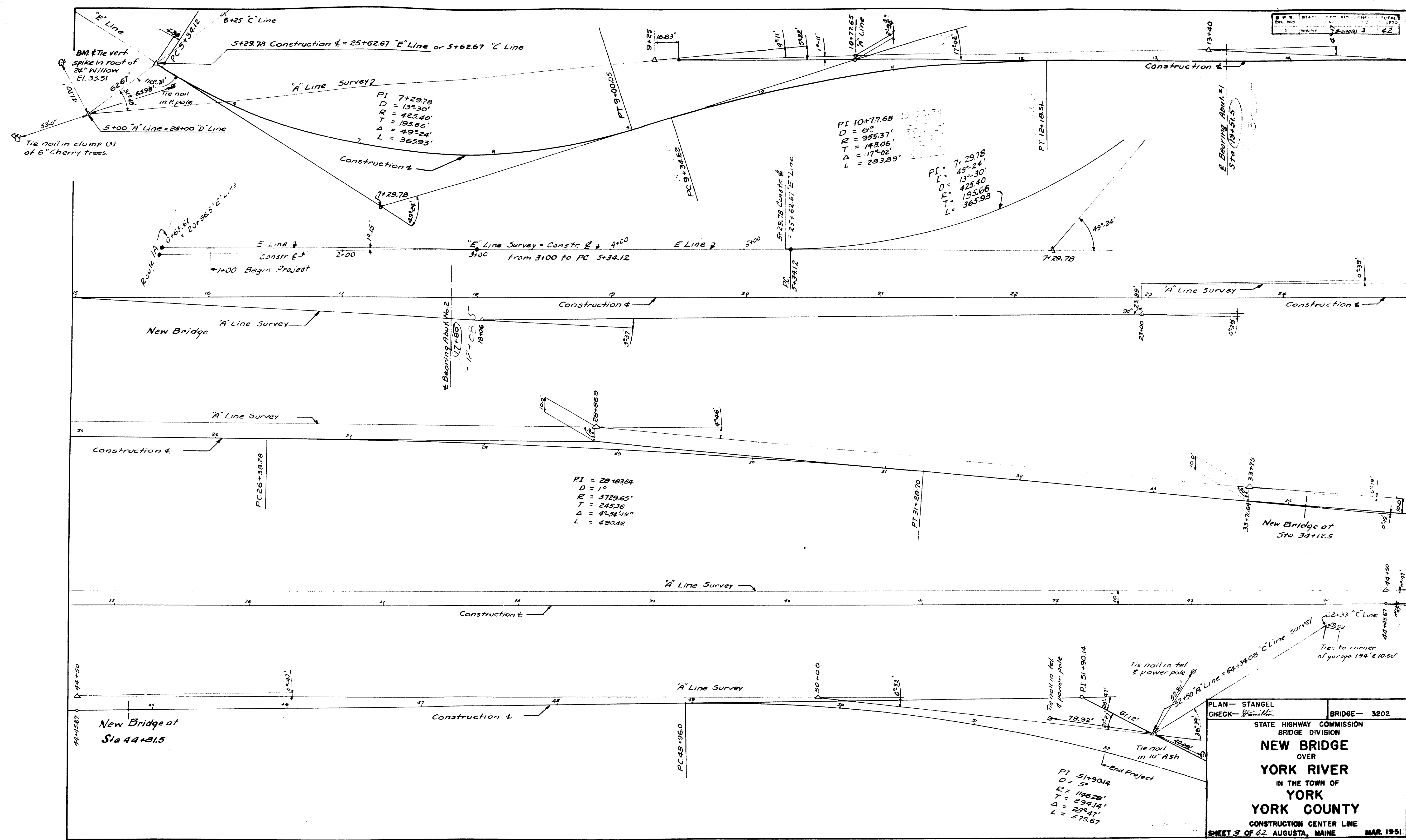
David F. Stinson CHAIRMAN
Charles S. Cook
Harold R. Emery
Chas. Lawrence CHIEF ENGINEER



MAX. WIDENING FOR 13°30' CURVE
Widen inside of curve only.

PLOT & TRACE - LANGFORD		BRIDGE 3202
CHECK C-3A		
STATE HIGHWAY COMMISSION BRIDGE DIVISION		
NEW BRIDGE		
OVER		
YORK RIVER		
IN THE TOWN OF		
YORK		
YORK COUNTY		
TYPICAL SECTIONS		
SHEET 2 OF 42 AUGUSTA, MAINE		JAN. 1935





GENERAL NOTES

APPLICABLE TO BRIDGES #1-2 & 3-C-Line

SUPERSTRUCTURE:

3 Transverse planking on 11-6x10 timber stringers.

SUBSTRUCTURE:

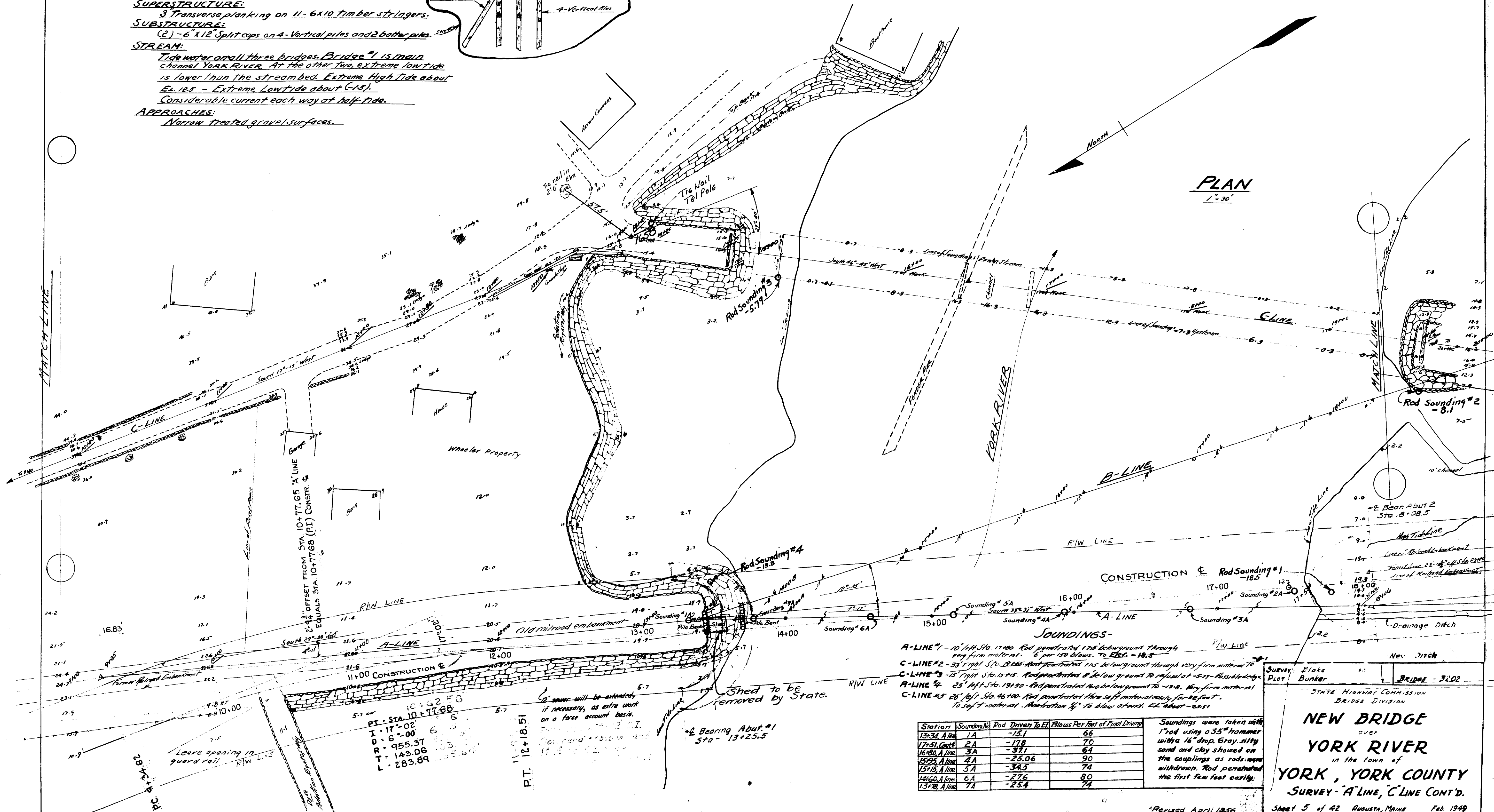
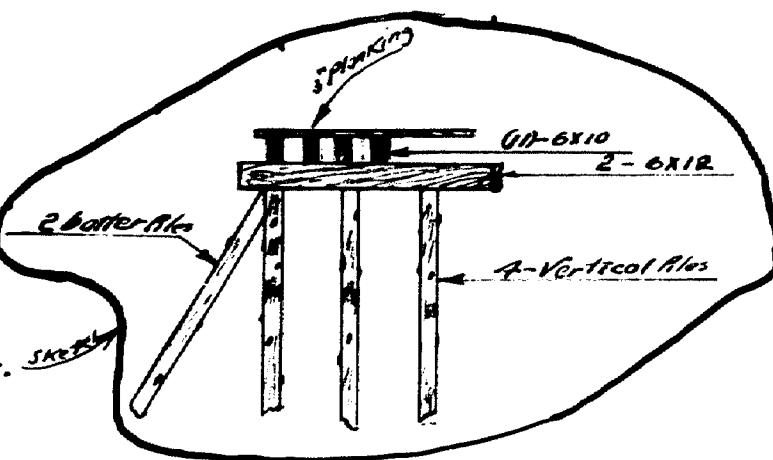
(2) - 6"x12" Split caps on 4-Vertical piles and 2 batter piles.

STREAM:

Tide water on all three bridges. Bridge #1 is main channel YORK RIVER. At the other two, extreme low tide is lower than the stream bed. Extreme High Tide about EL. 18.5 - Extreme Low Tide about (-1.5). Considerable current each way at half tide.

APPROACHES:

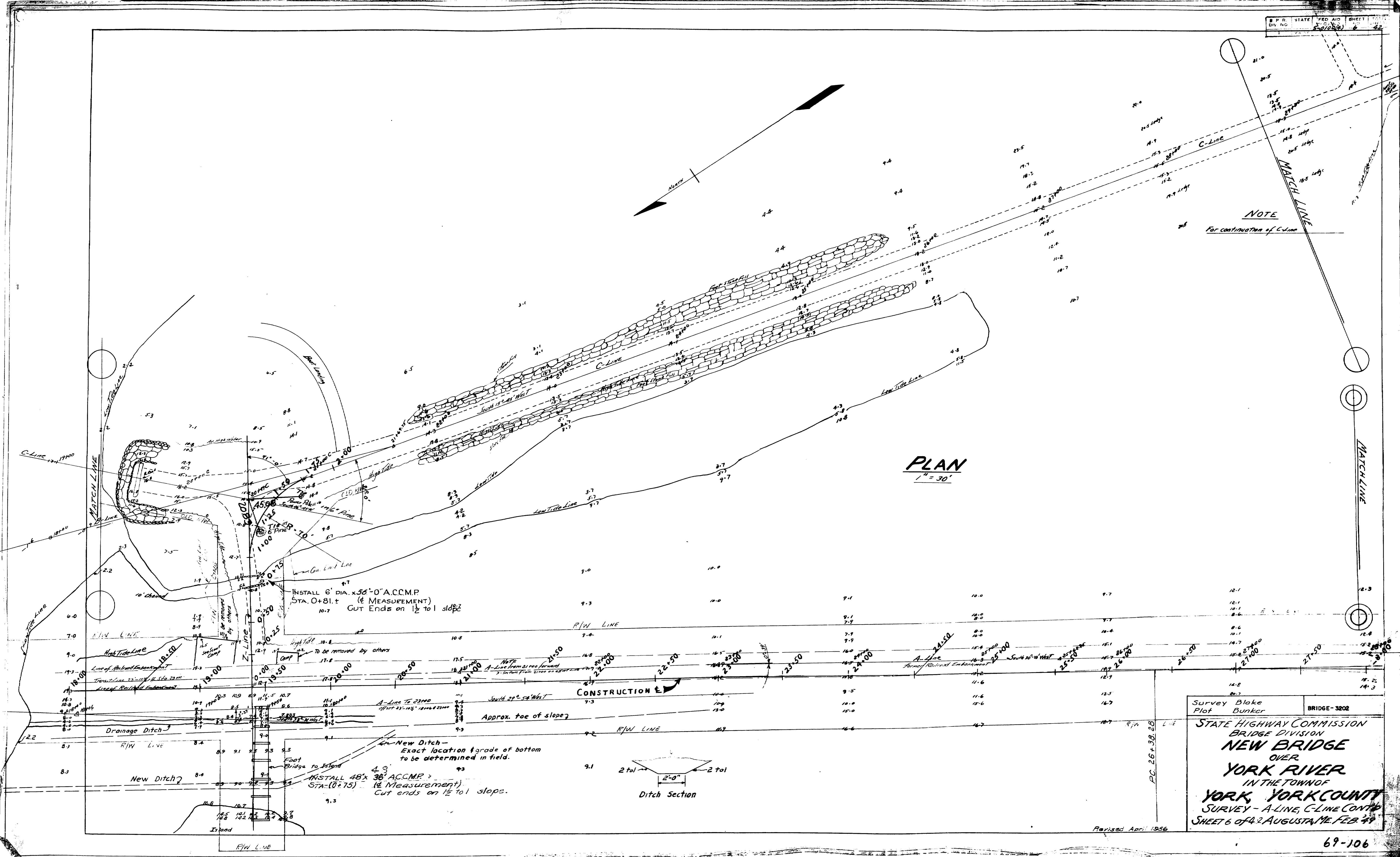
Narrow treated gravel surfaces.



NEW BRIDGE
over
YORK RIVER
in the town of
YORK, YORK COUNTY
SURVEY - A-LINE, C-LINE CONT'D.

Revised April 1956

Sheet 5 of 42 Augusta, Maine Feb. 1949

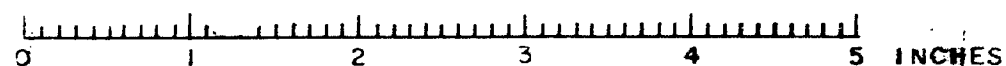


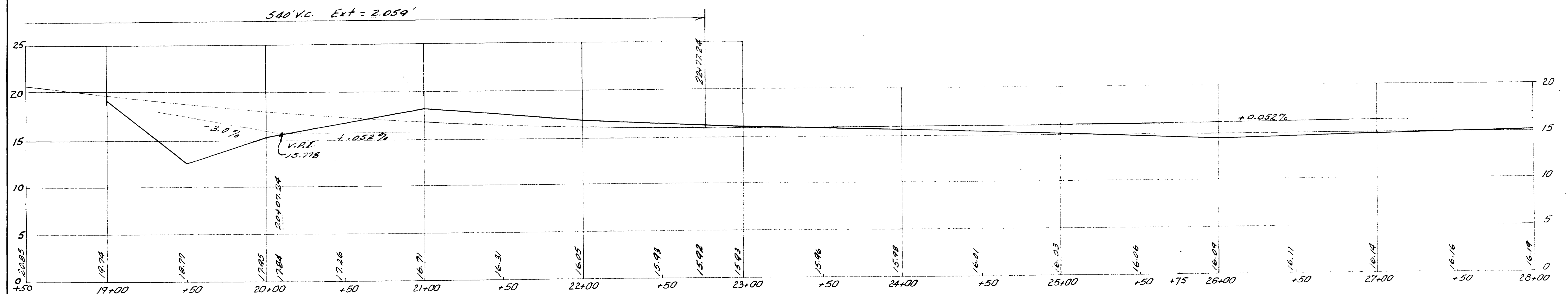
Survey Blake
Plot Bunker

BRIDGE - 3202

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NEW BRIDGE
OVER
YORK RIVER
IN THE TOWN OF
YORK, YORK COUNTY
SURVEY - A-LINE, C-LINE CONT'D
SHEET 6 OF 42 AUGUST 1946 FEB 49

Revised April 1956





PROFILE CONSTR. E

Scales Hor. 1" = 30'
Vert. 1" = 5'

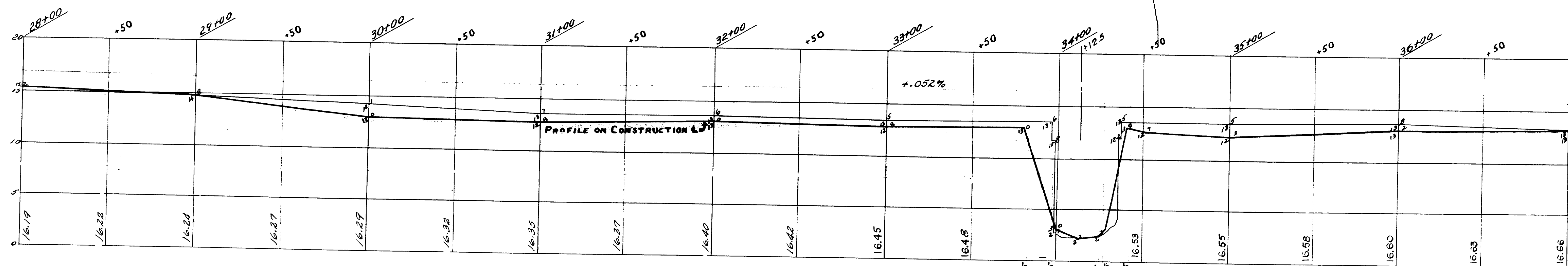
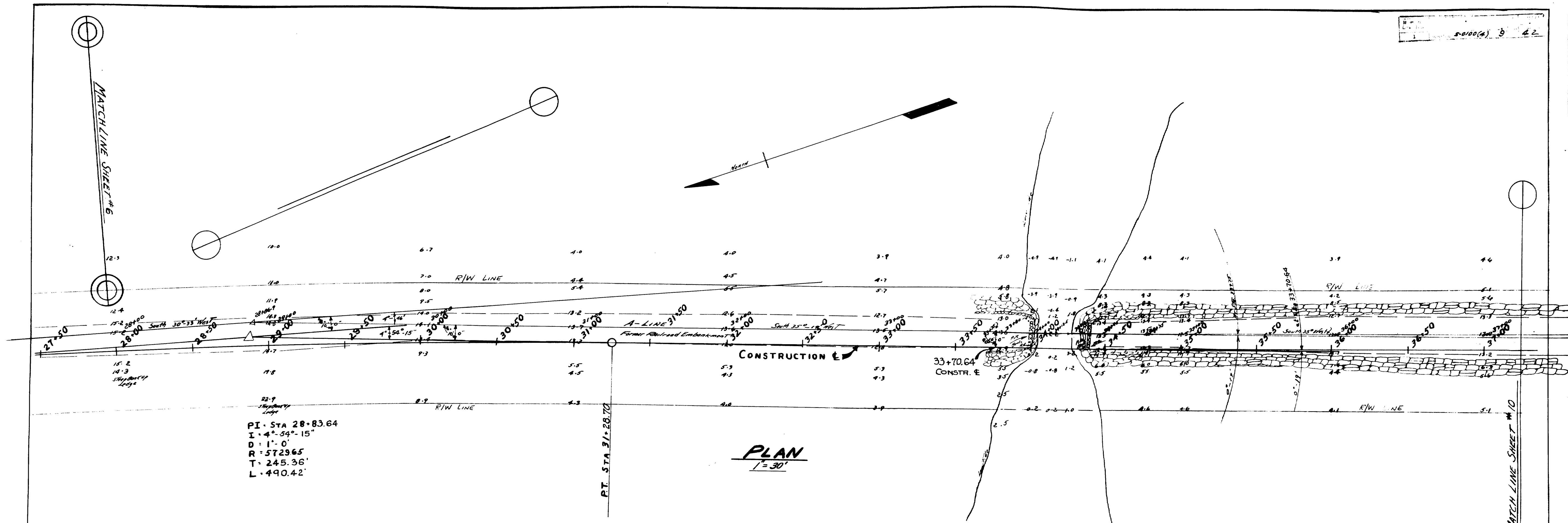
Survey: W. Blake
Plotted: O. Dunster
Plan: *[Signature]*

BRIDGE - 3202

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NEW BRIDGE
OVER
YORK RIVER
IN THE TOWN OF
YORK - YORK COUNTY
CONSTRUCTION LINE PROFILE
Sheet #8 of 42 Augusta, Me. March '51

Revised April 1956

69-108

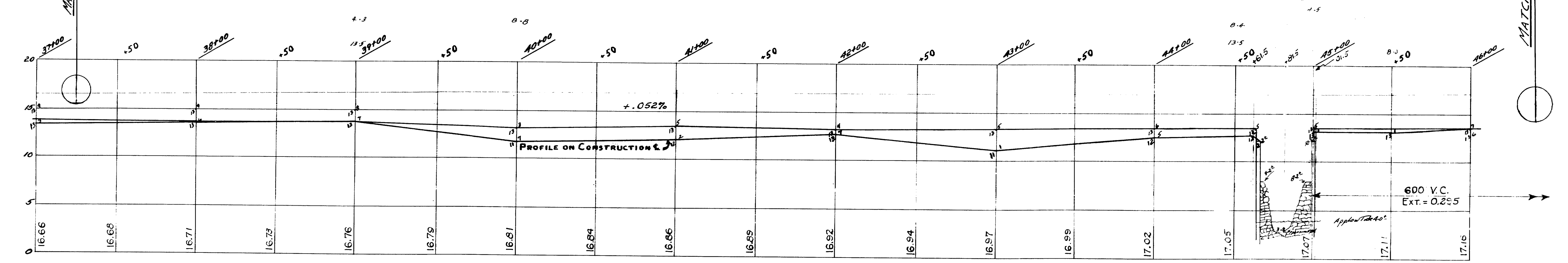
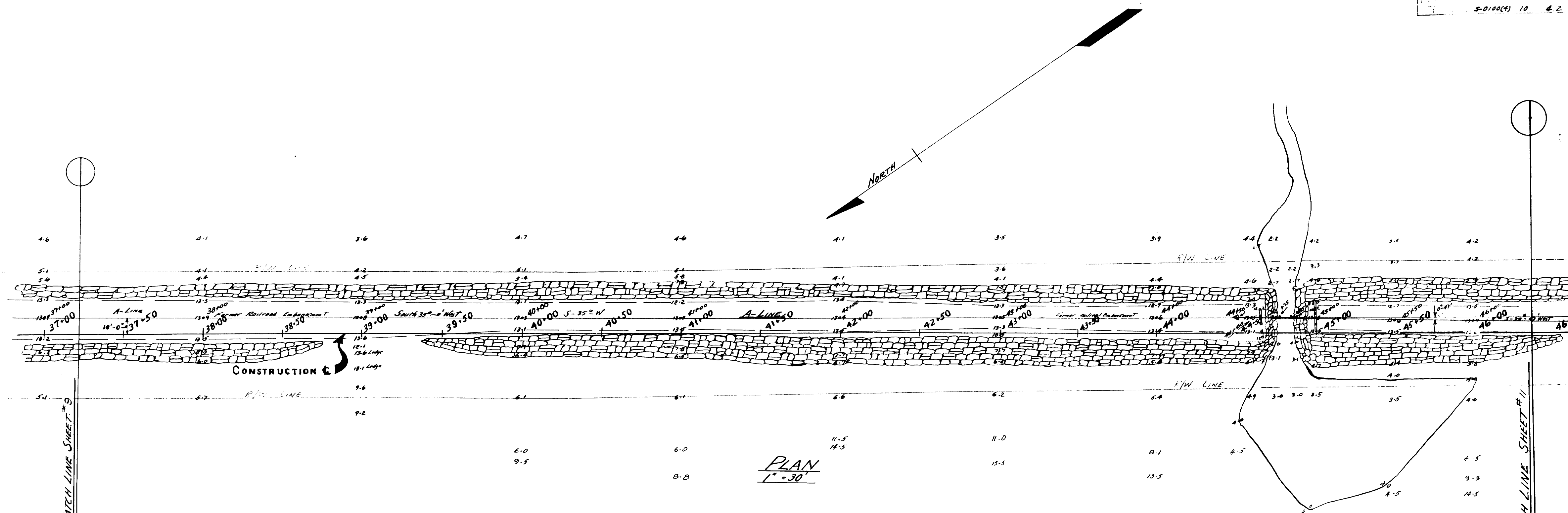


Survey Block
Plot Bunker

BRIDGE - 3202

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NEW BRIDGE
OVER
YORK RIVER
IN THE TOWN OF
YORK, YORK COUNTY
SURVEY - A-LINE CONTINUED
SHEET 9 OF 42 AUGUSTA, ME. FEB '49

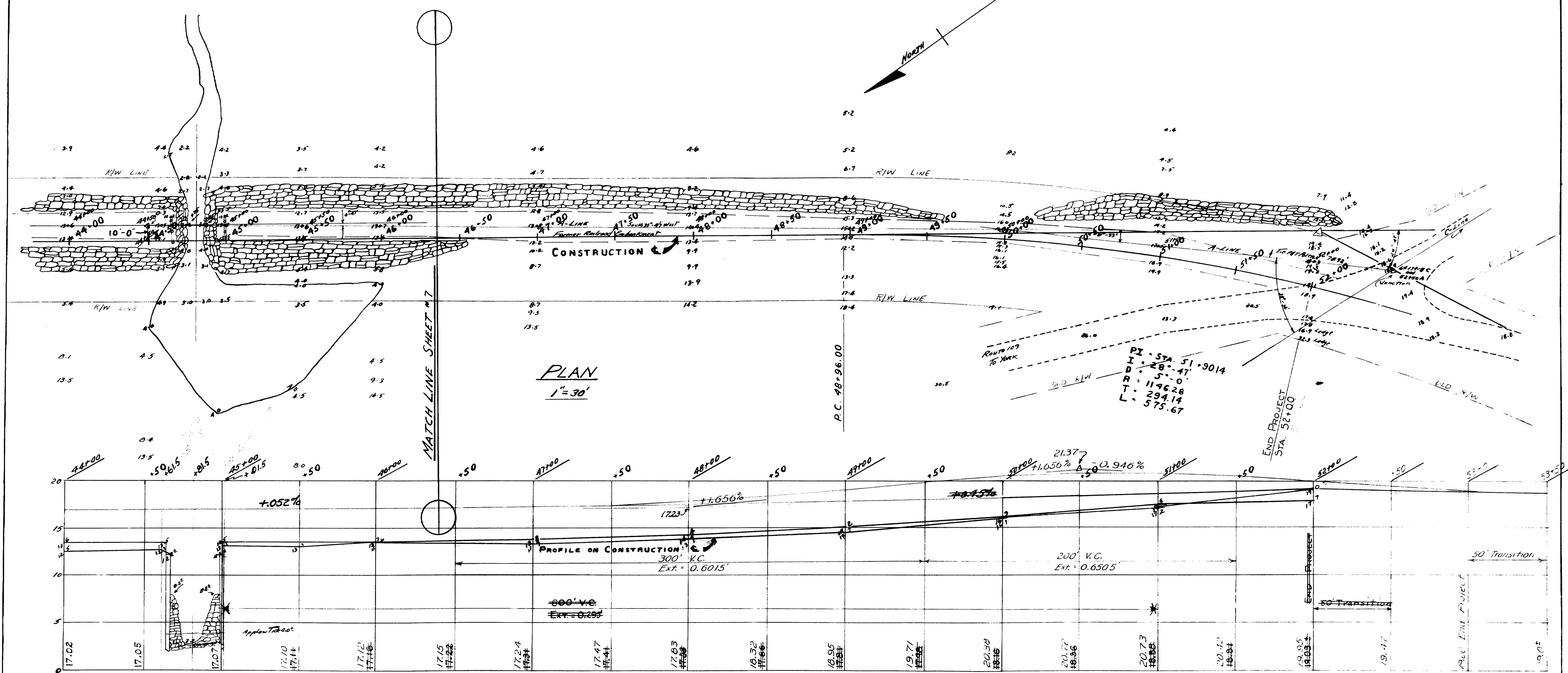
Revised April 1956



Survey Blake
Plot Bunker

BRIDGE-3202

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NEW BRIDGE
OVER
YORK RIVER
IN THE TOWN OF
YORK, YORK COUNTY
SURVEY - A-LINE CONTINUED
SHEET 10 OF 42 AUGUSTA, ME. FEB. '99



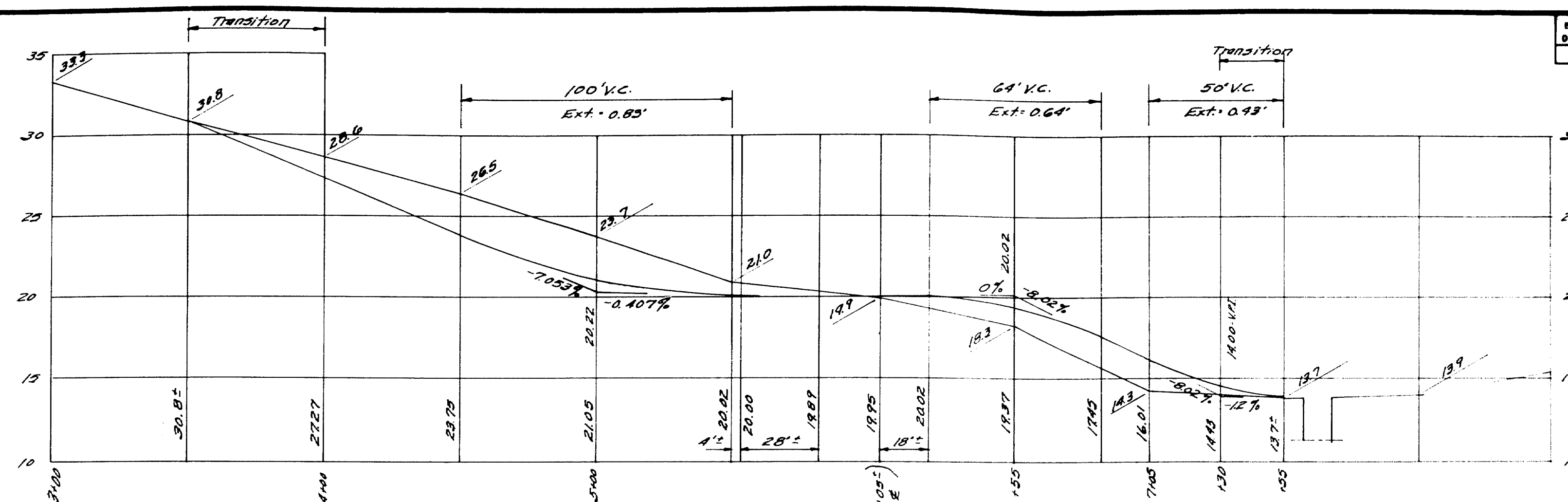
Survey Blot
Plot Bunker

BRIDGE - 3202

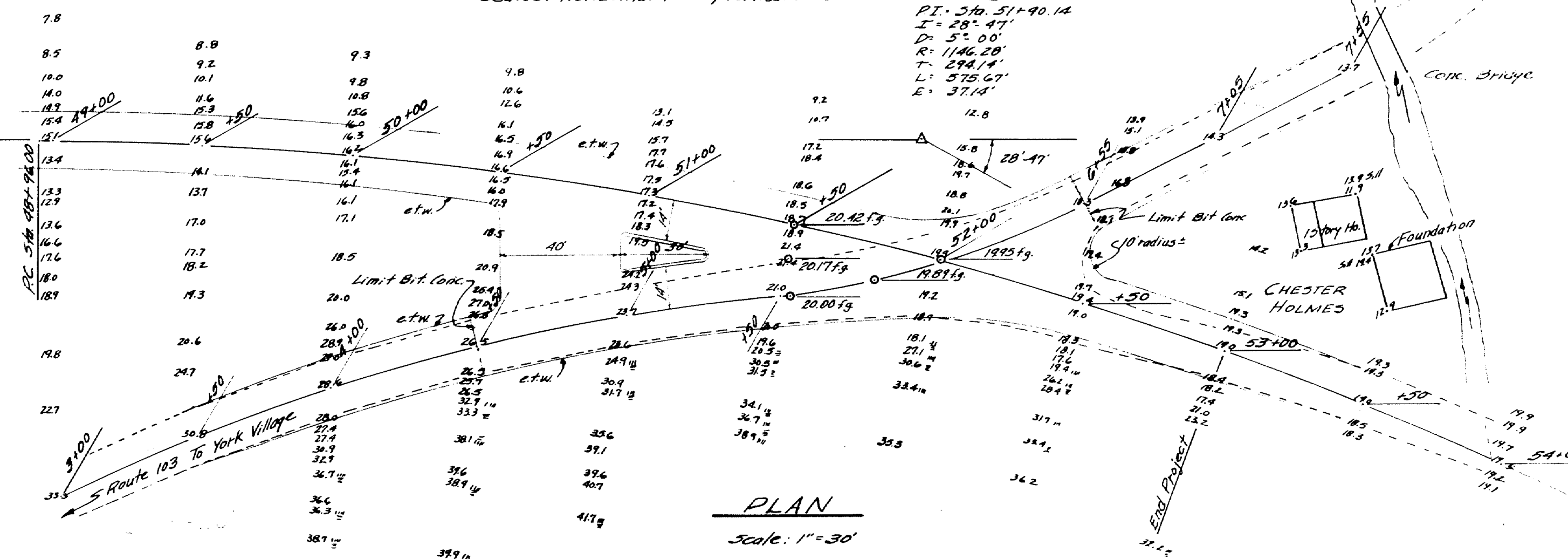
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NEW BRIDGE
OVER
YORK RIVER
IN THE TOWN OF
YORK YORK COUNTY
SURVEY - JUNCTION AND LINES
SHEET 11 of 42 AUGUSTA, ME. FEB. 49

Revised April, 1957
See also Sheets 11A, 23A, 23B, 23C.

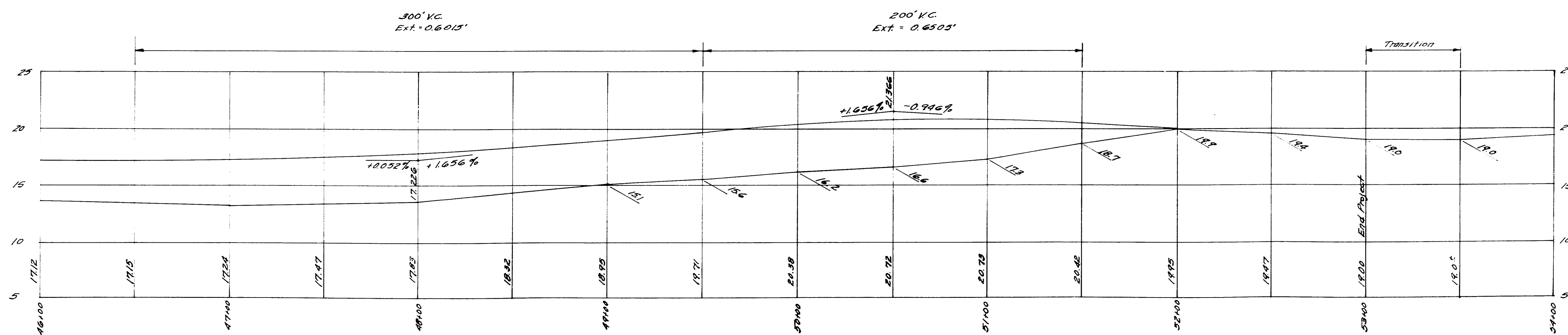
B. P. R.	STATE	PROJECT NUMBER	SHEET	TOTAL
DIV. NO.	MAINE		NO.	SHEETS
1				



PROFILE-CROSS ROAD
Scale: Horizontal 1"=30', Vertical 1"=5'

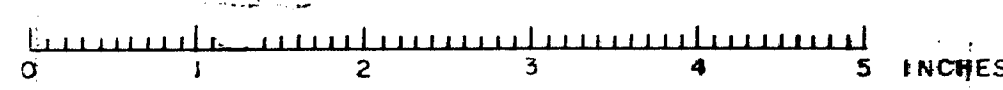


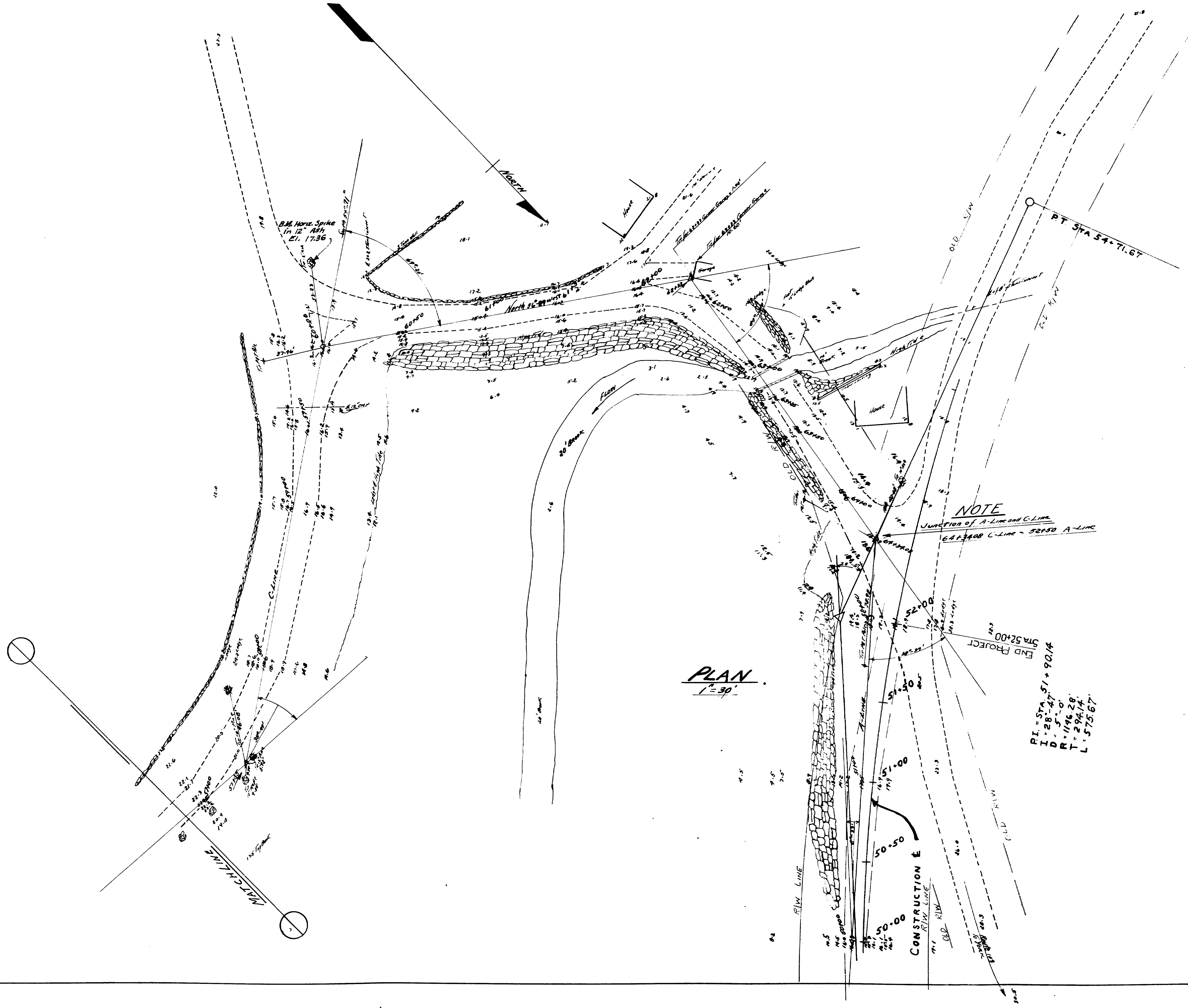
PLAN
Scale: 1"=30'



PROFILE-CONSTRUCTION
Scale: Horizontal 1"=30', Vertical 1"=5'

DESIGN-MOLICONE	BRIDGE NO. 3202
TRACE-WENTZEL	SURVEY-WOODS
CHECK-JAY	PLOT-MOLICONE
STATE HIGHWAY COMMISSION	
BRIDGE DIVISION	
NEW BRIDGE	
OVER	
YORK RIVER	
IN THE TOWN OF	
YORK	
YORK COUNTY	
ADDITIONAL SURVEY STA. 52+00	
SHEET 11A OF 42 AUGUSTA, MAINE APRIL 1957	

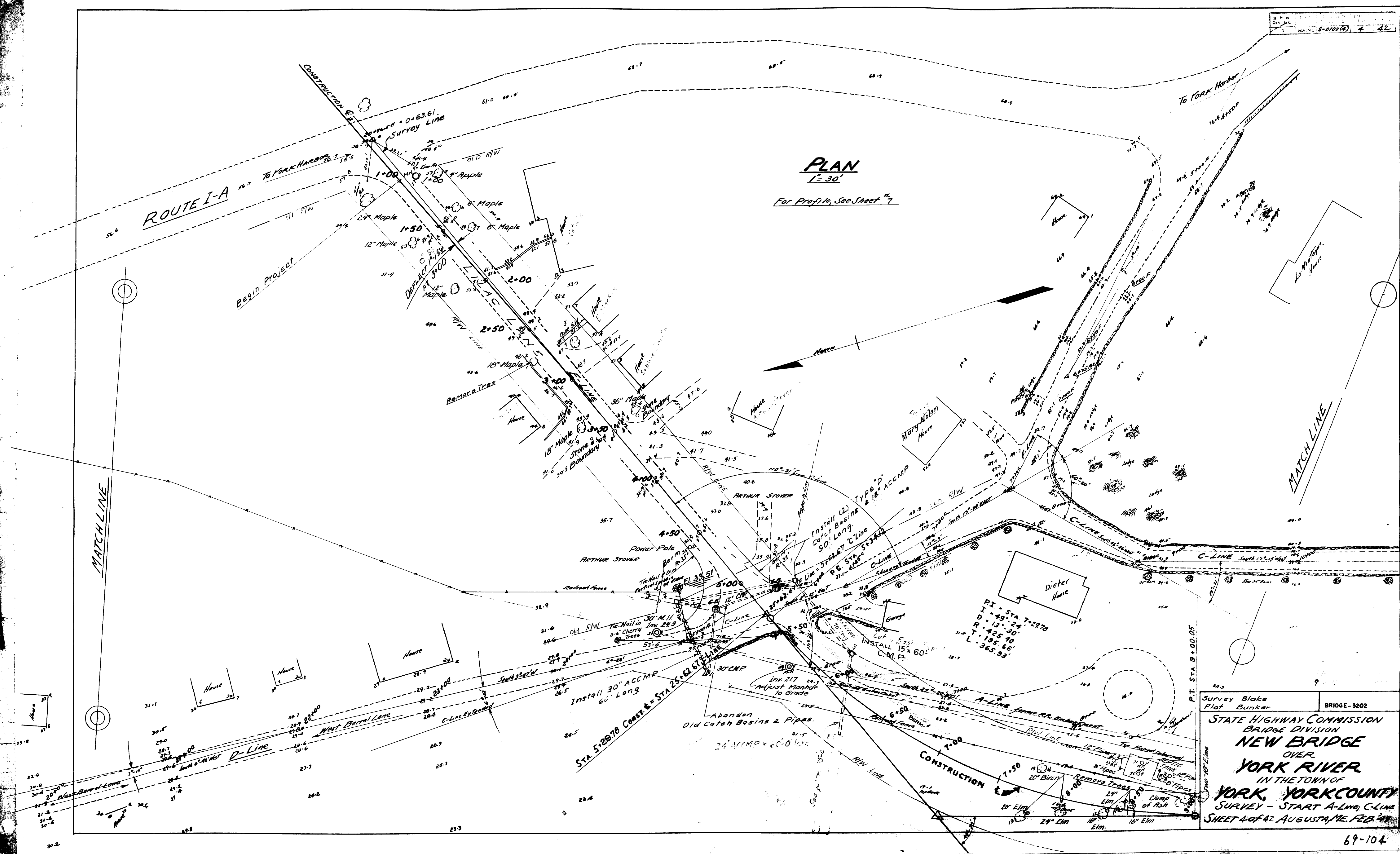




Survey Blake Plot Bunker	BRIDGE-3202
STATE HIGHWAY COMMISSION BRIDGE DIVISION NEW BRIDGE OVER YORK RIVER IN THE TOWN OF YORK, YORK COUNTY SURVEY - C-LINE CONTINUED SHEET 12 OF 42 AUGUSTA, ME. FEB '99	

PLAN
1" = 30'

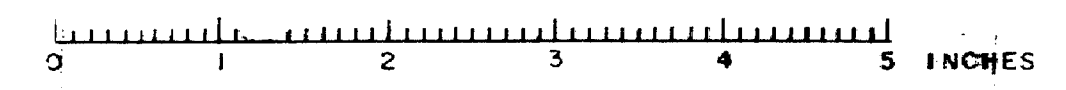
For Profile, See Sheet #7



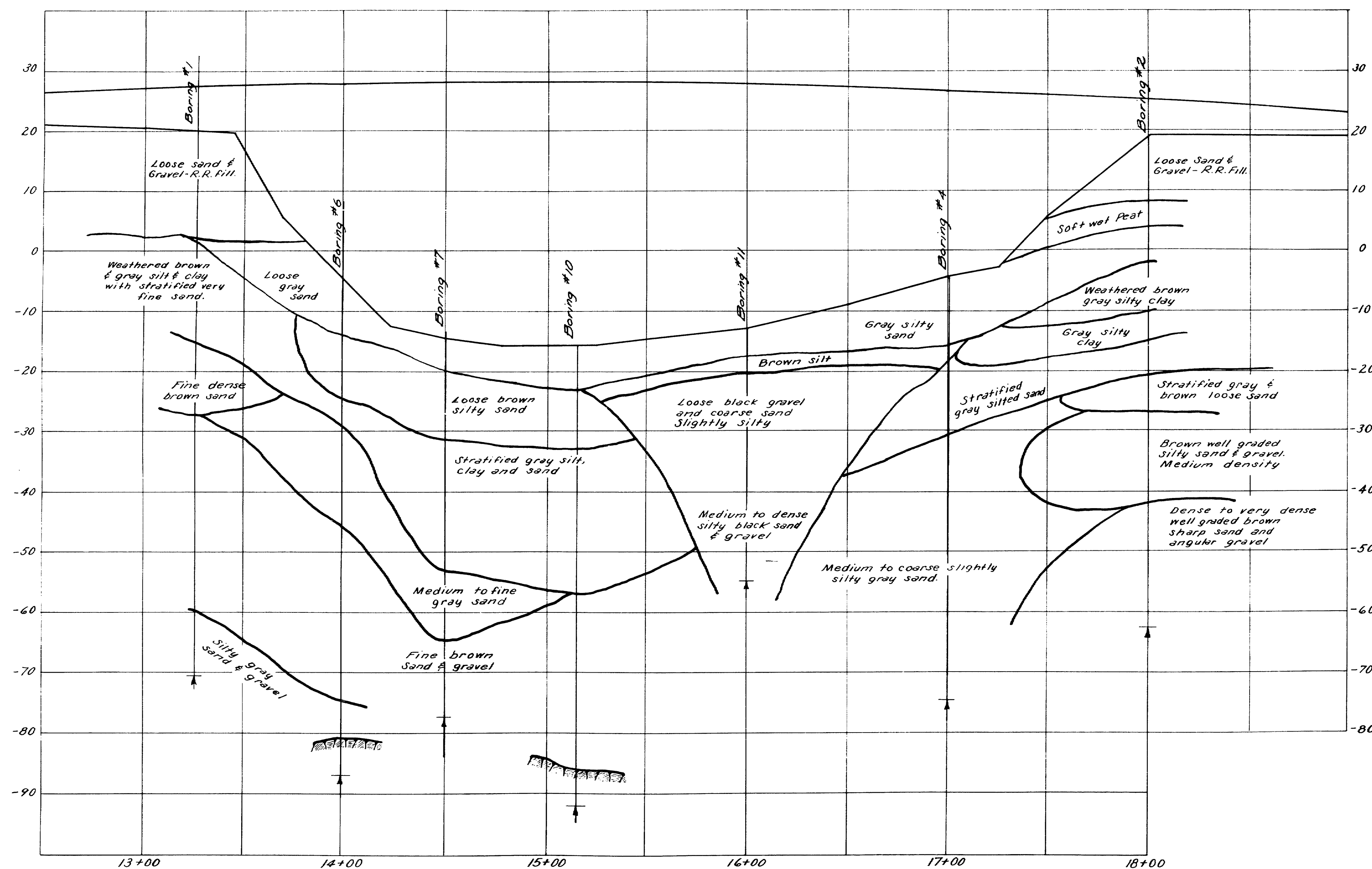
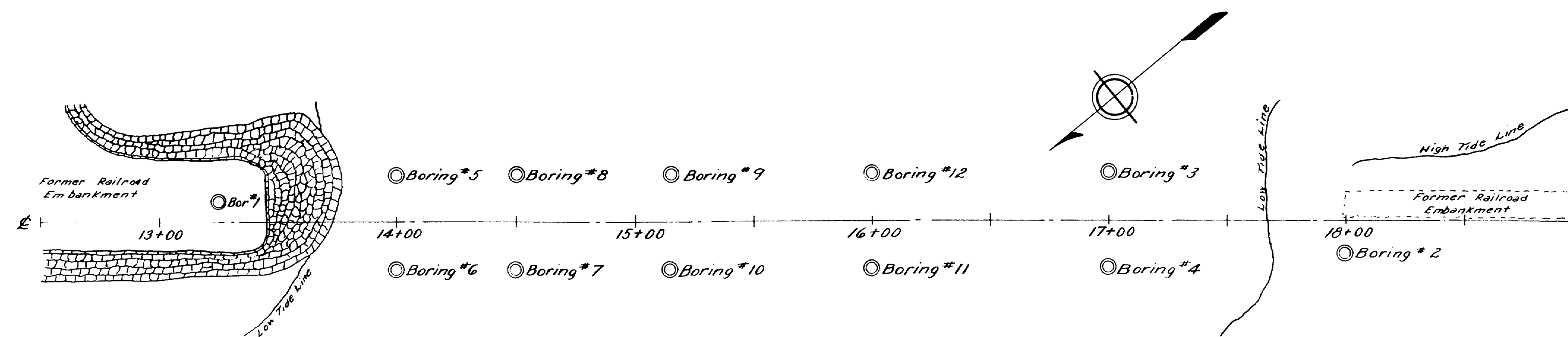
Survey Blake
Plot Bunker

BRIDGE-3202

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NEW BRIDGE
OVER
YORK RIVER
IN THE TOWN OF
YORK, YORK COUNTY
SURVEY - START A-LINE, C-LINE
SHEET 4 OF 42 AUGUST ME. FEB. 49



S. P. R.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	5-0100(4)	13	42



Scales:
 Horiz: 1"=30'
 Vert: 1"=10'

DESIGN - H. GRAY
 TRACE - MCDONALD
 CHECK - 2/22/21

BRIDGE NO. - 3202
 SURVEY -
 PLOT -

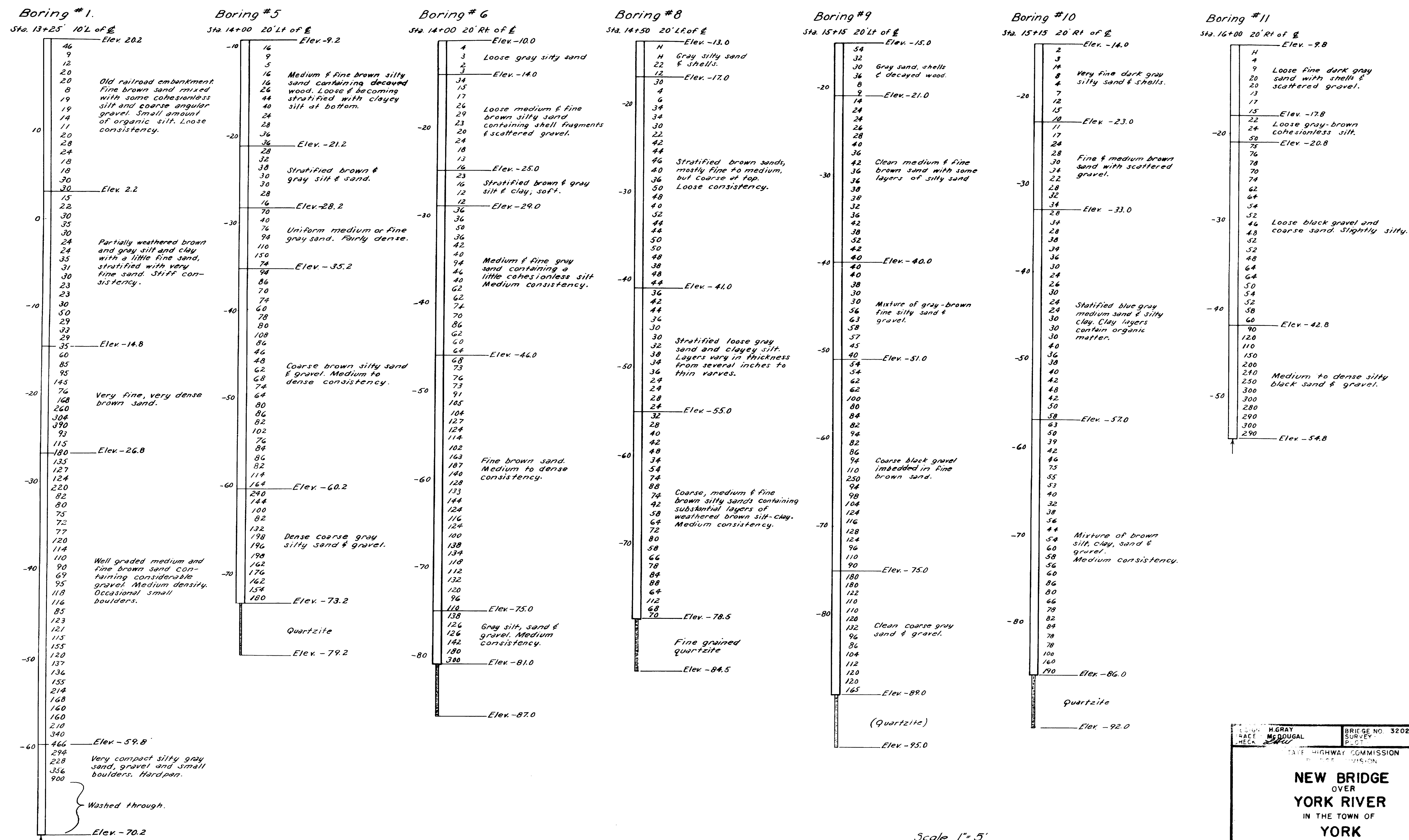
STATE HIGHWAY COMMISSION
 BRIDGE DIVISION

NEW BRIDGE
 OVER
YORK RIVER
 IN THE TOWN OF
YORK
YORK COUNTY
 FOUNDATION SURVEY

SHEET 13 OF 42 AUGUSTA, MAINE Nov. 1955

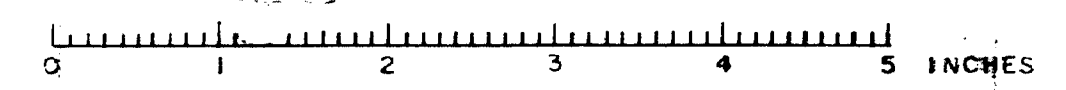
69-114

0 1 2 3 4 5 INCHES



Scale 1"=5'

H. GRAY MAINE H. GRAY		BRIDGE NO. 3202 SURVEY PROJECT	
STATE HIGHWAY COMMISSION DIVISION			
NEW BRIDGE OVER YORK RIVER IN THE TOWN OF YORK YORK COUNTY FOUNDATION SURVEY			
SHEET 14 OF 42		AUGUSTA, MAINE	
		Nov. 1955	



BORING NOTES

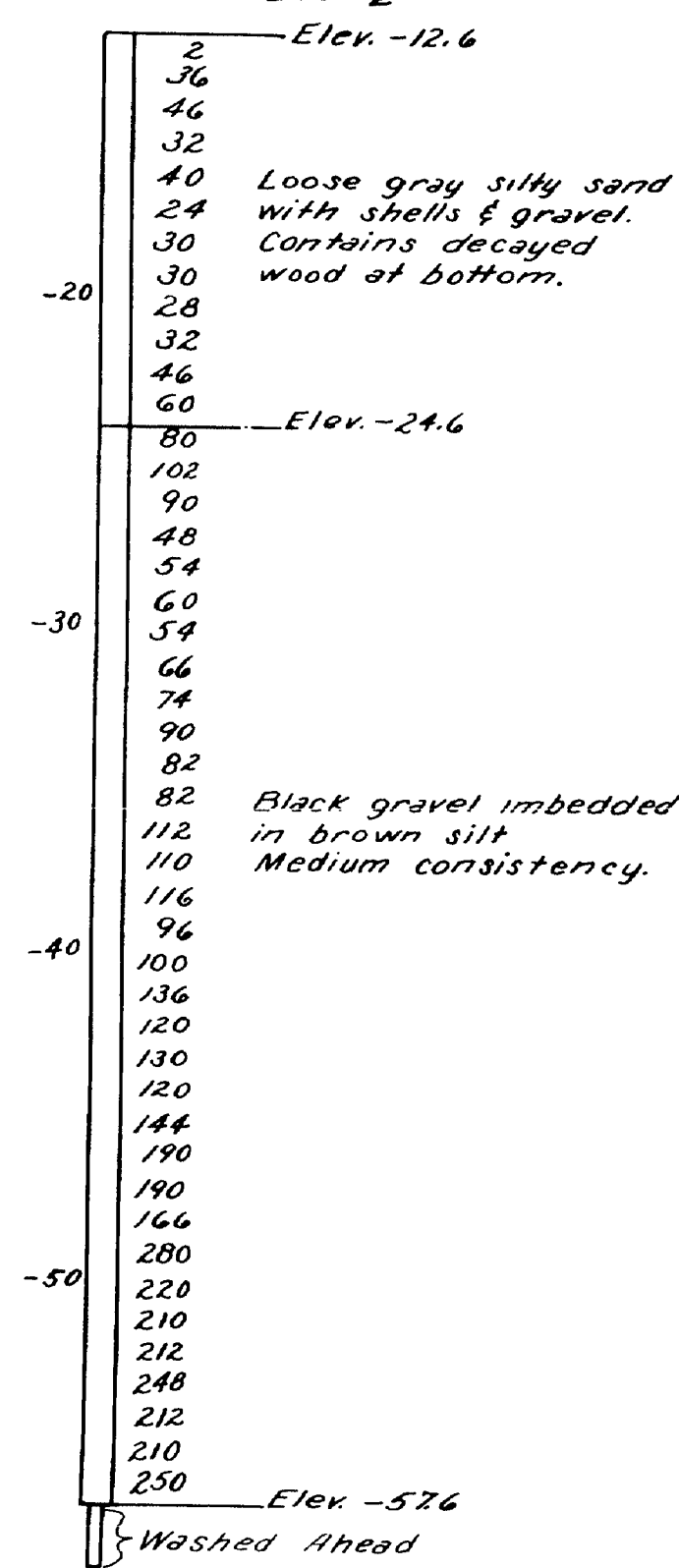
1. Scales as noted on drawings.
2. Number of blows of 275# hammer falling 18 inches required to drive extra heavy casing one foot thus:
3. Bottom of boring indicated thus:

40

↑

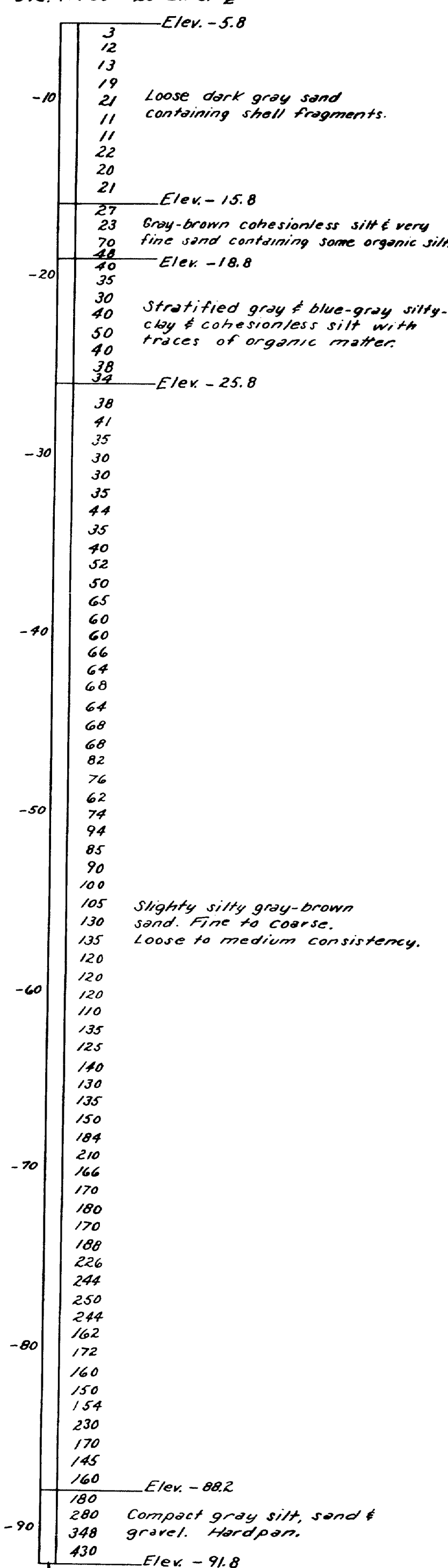
Boring # 12

Sta 16+00 20' Lt. of C



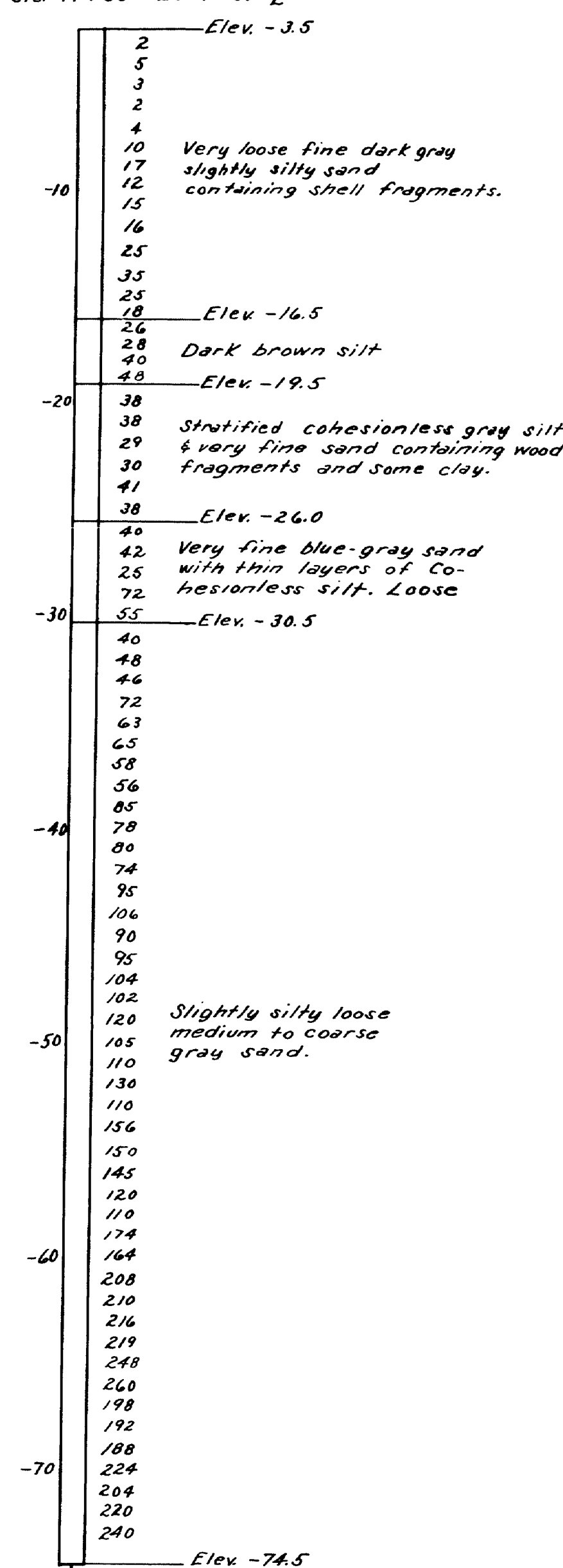
Boring # 3

Sta. 17+00 20' Lt. of C



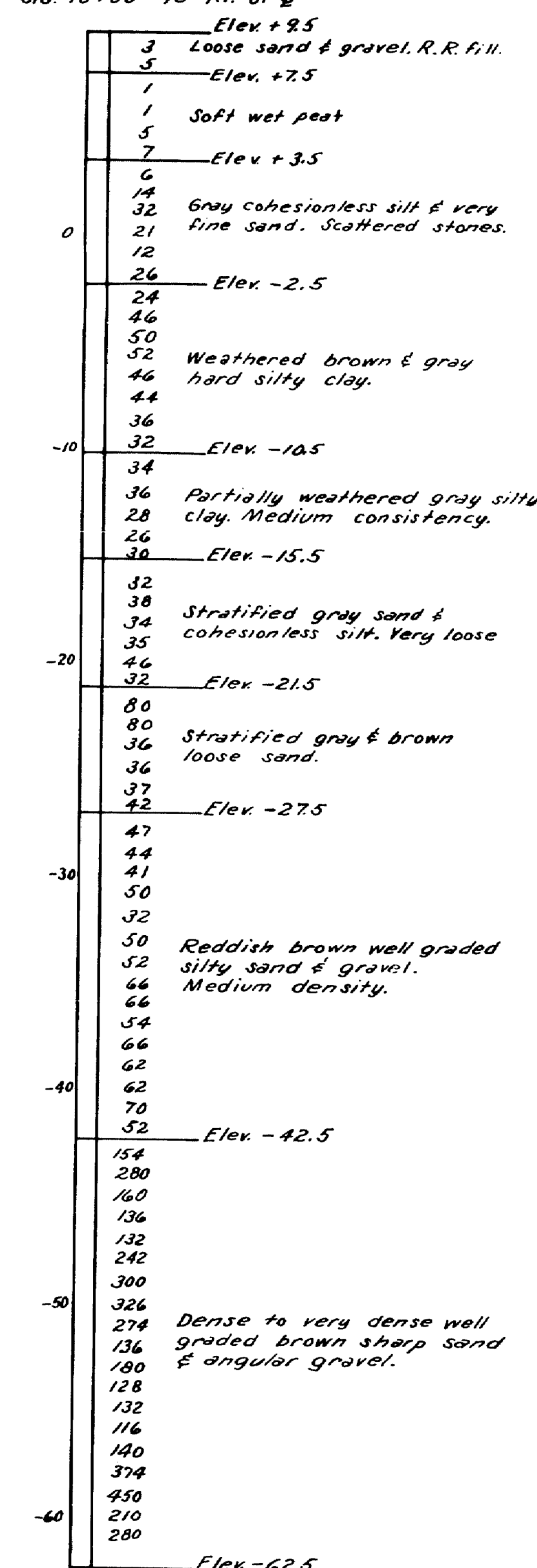
Boring # 4

Sta 17+00 20' Rt. of C



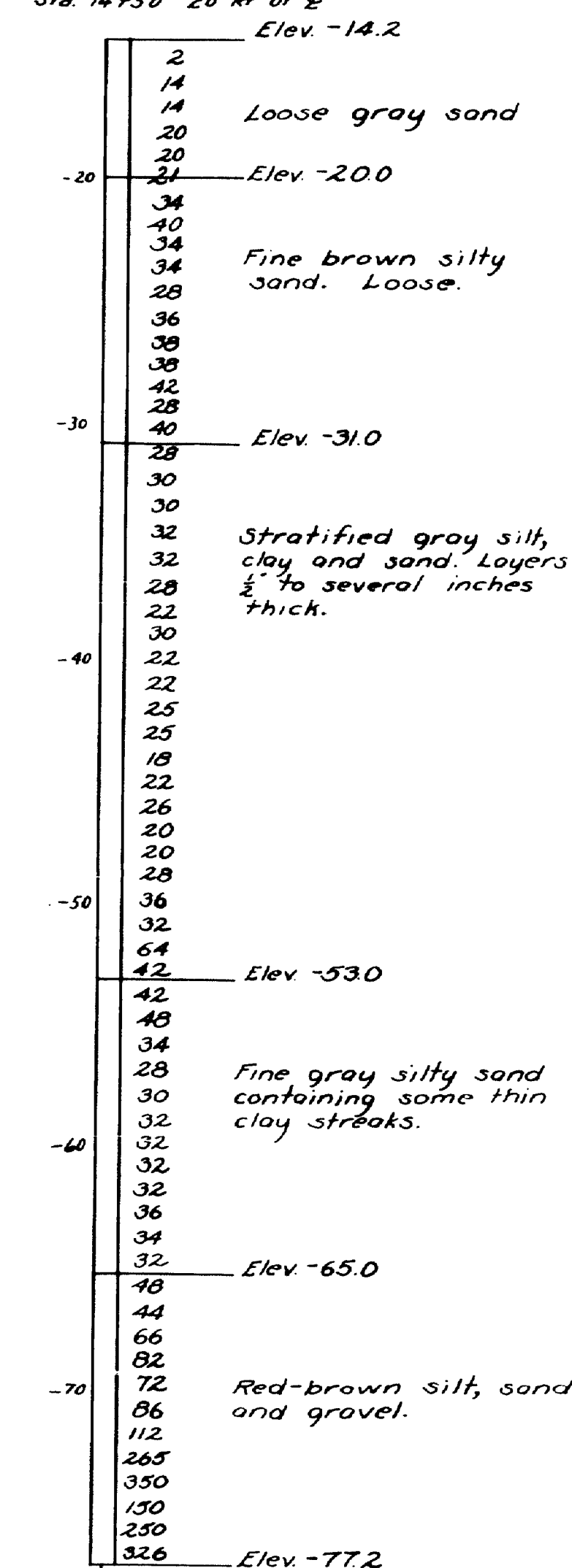
Boring # 2

Sta. 18+00 15' Rt. of C



Boring # 7

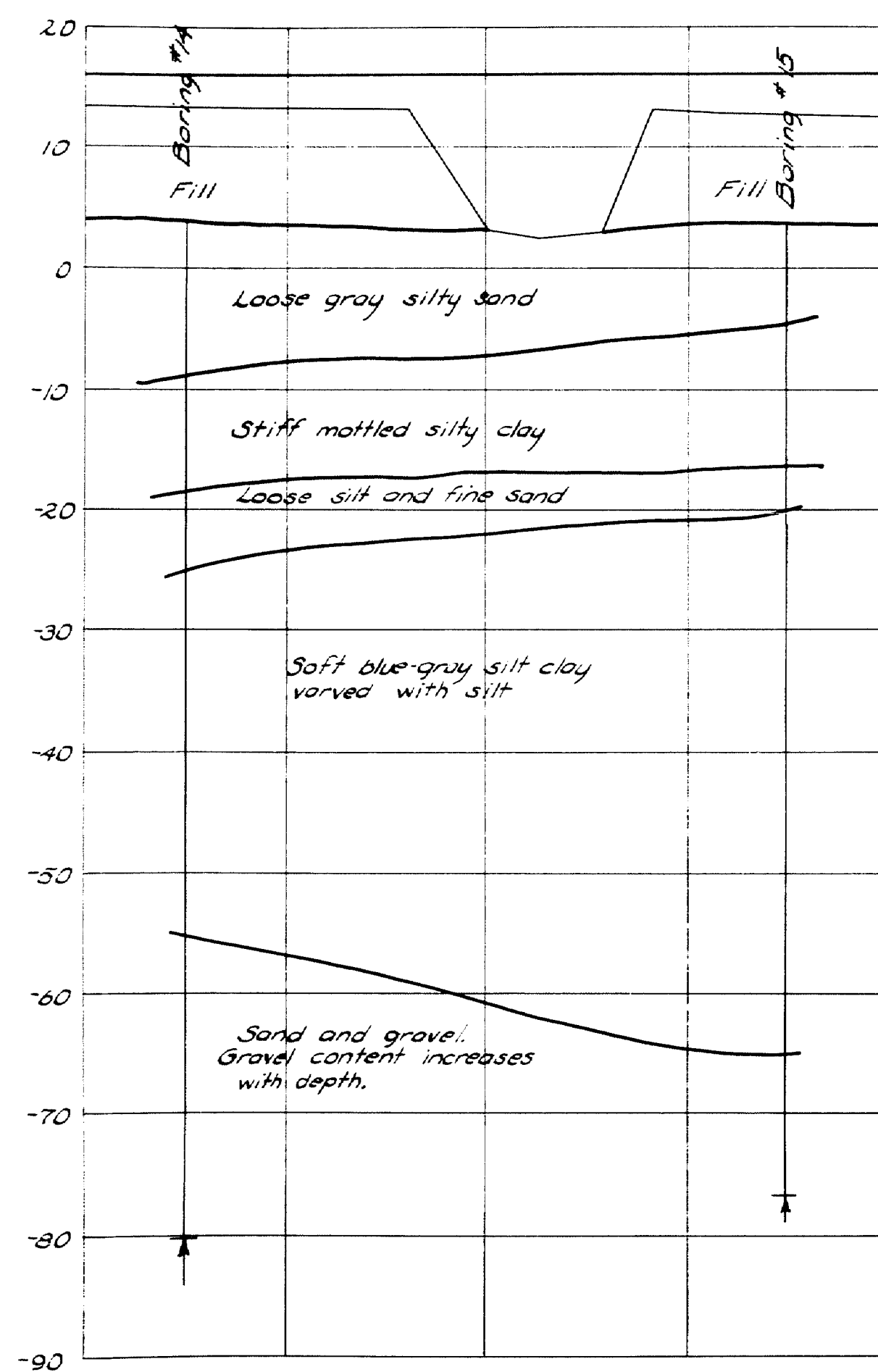
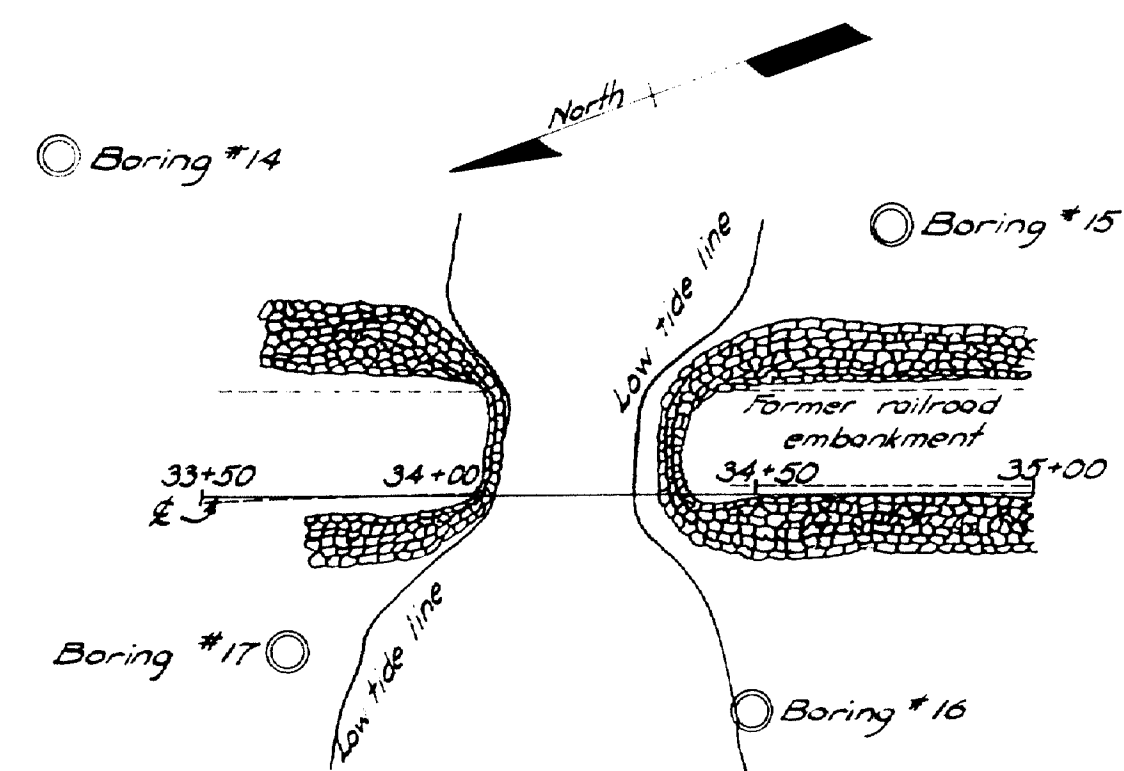
Sta. 14+50 20' Rt. of C



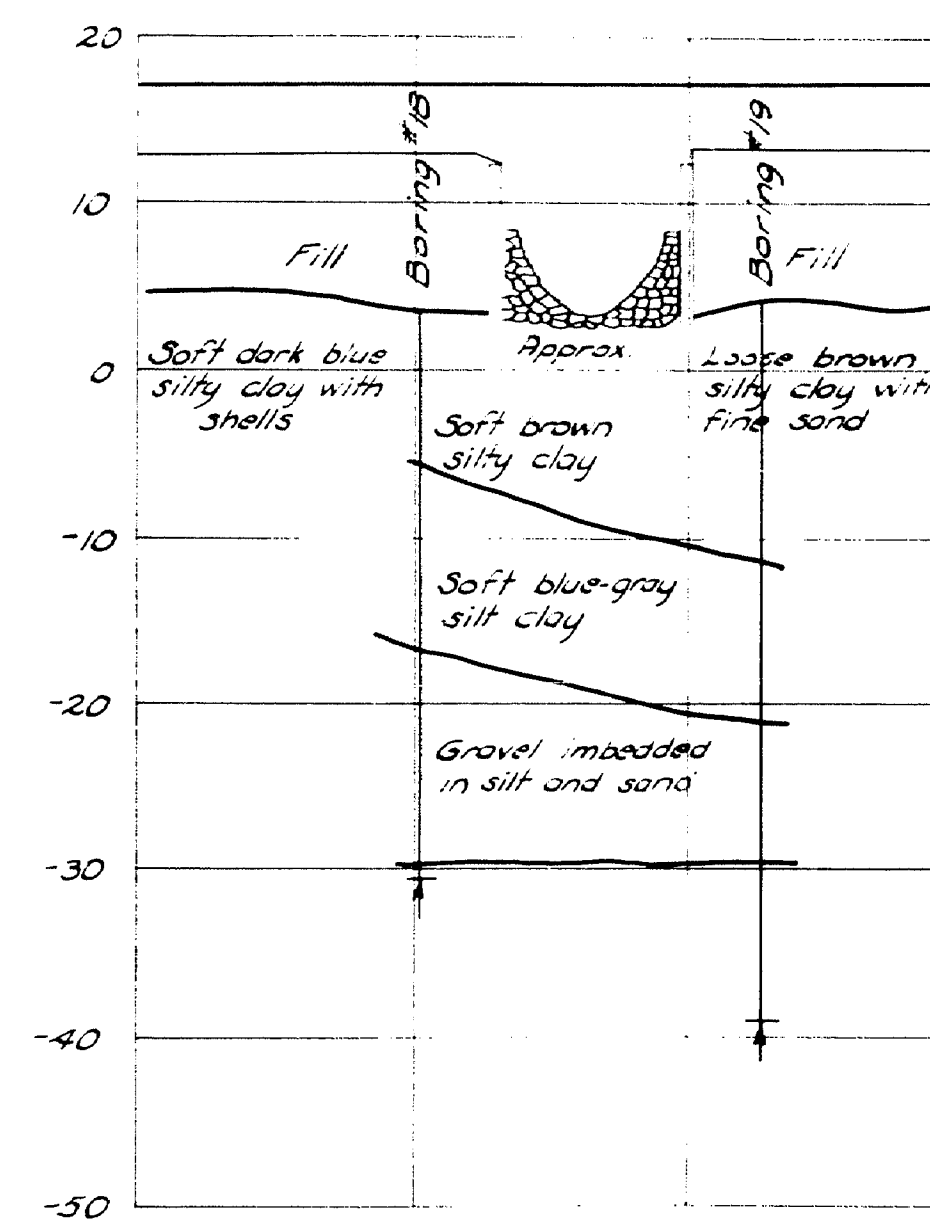
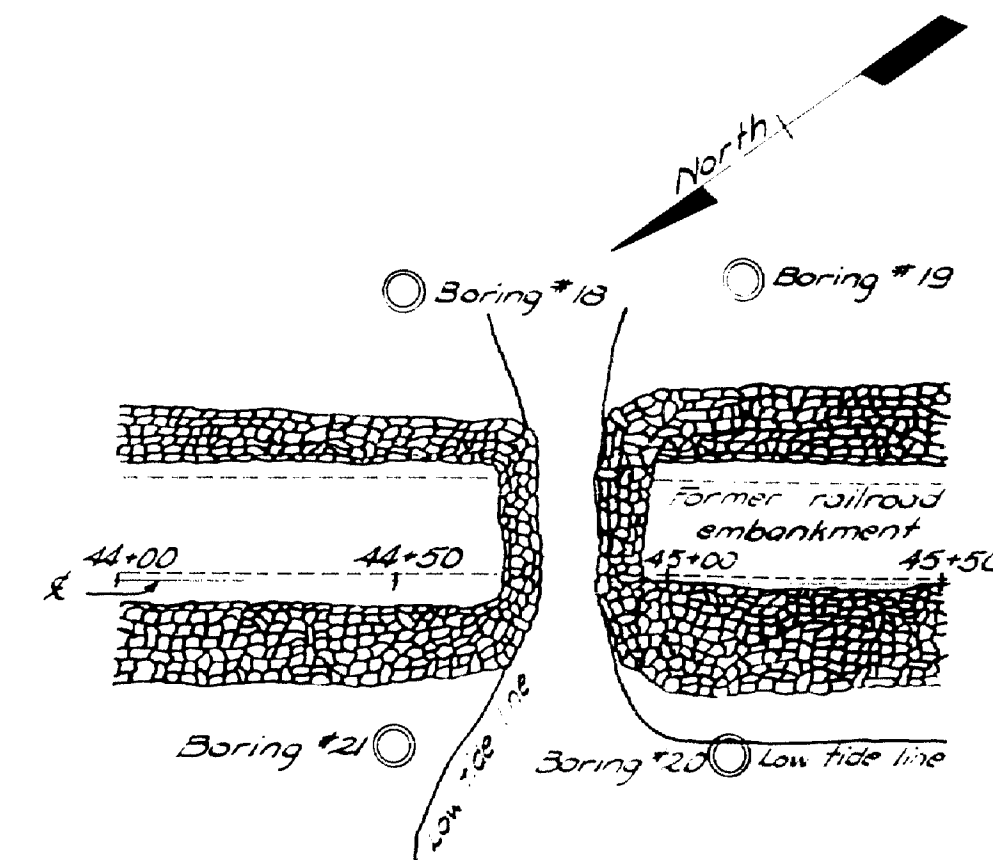
Scale 1"=5'

DESIGN - H. GRAY	BRIDGE NO. 3202
TRACE - MCDUGAL	SURVEY -
CHECK -	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NEW BRIDGE OVER YORK RIVER IN THE TOWN OF YORK YORK COUNTY FOUNDATION SURVEY	
SHEET 15 OF 42 AUGUSTA, MAINE	

D. P. R.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	S-0100(4)	16	42



Sta. 34+12.5



Sta. 44+81.5

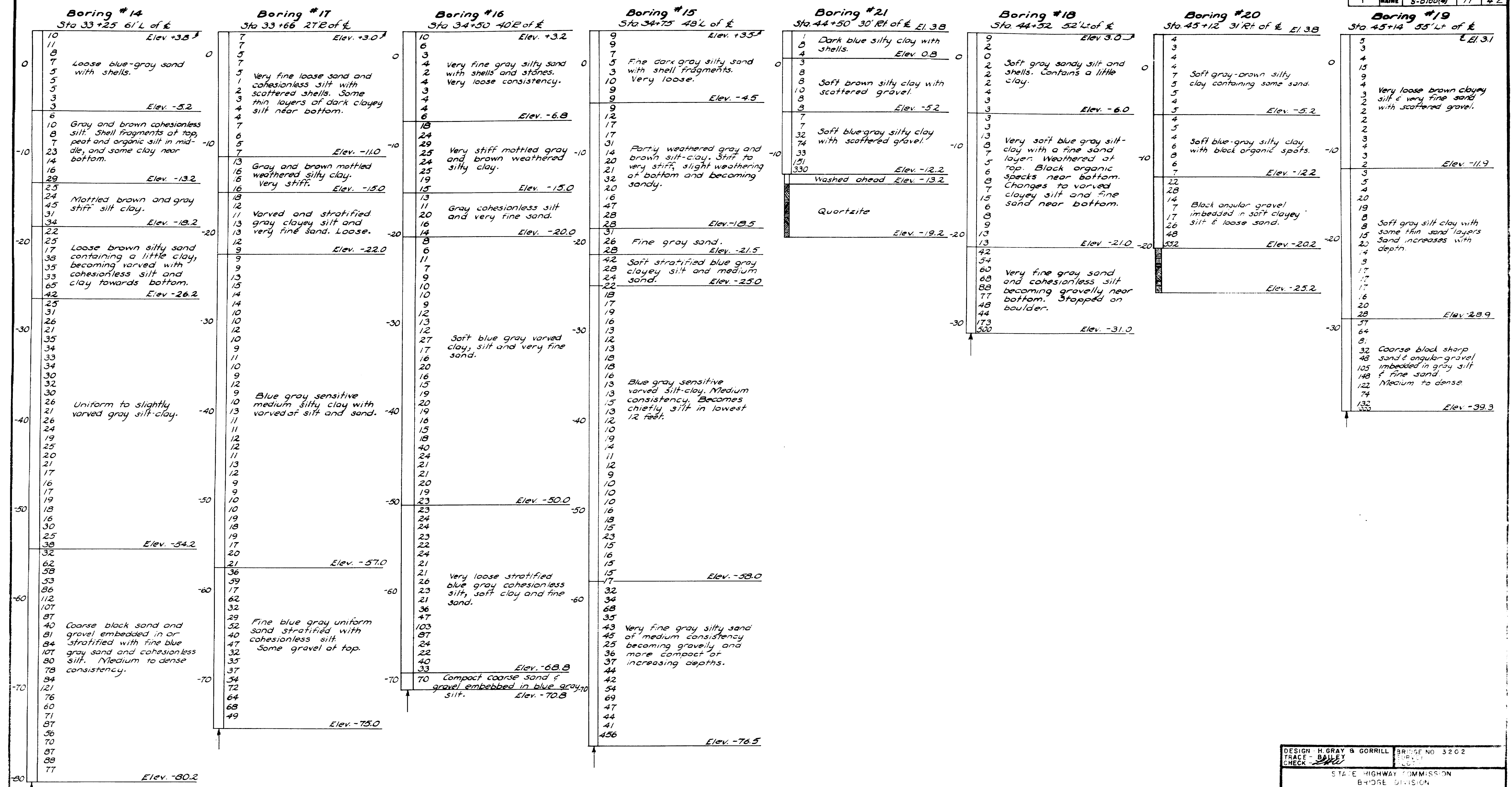
Scales:
Horiz. 1" = 30'
Vert. 1" = 10'

DESIGN H. GRAY & GORRILL	BRIDGE NO. 3202
TRACE <i>BAILEY</i>	SURVEY PLOT
MAINE HIGHWAY COMMISSION BRIDGE DIVISION	
NEW BRIDGE AT Sta. 34+12.5 & Sta. 44+81.5 IN THE TOWN OF YORK YORK COUNTY — FOUNDATION SURVEY —	
SHEET 16	OF 42 AUGUSTA, MAINE OCT. 1955

69-117

0 1 2 3 4 5 INCHES

D. P. R.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	S-0100(4)	17	42



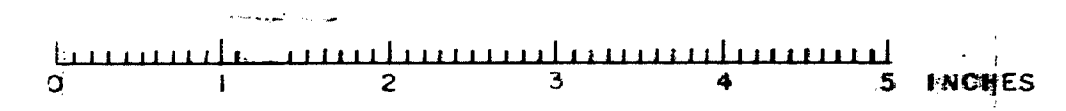
Scale 1"=5'

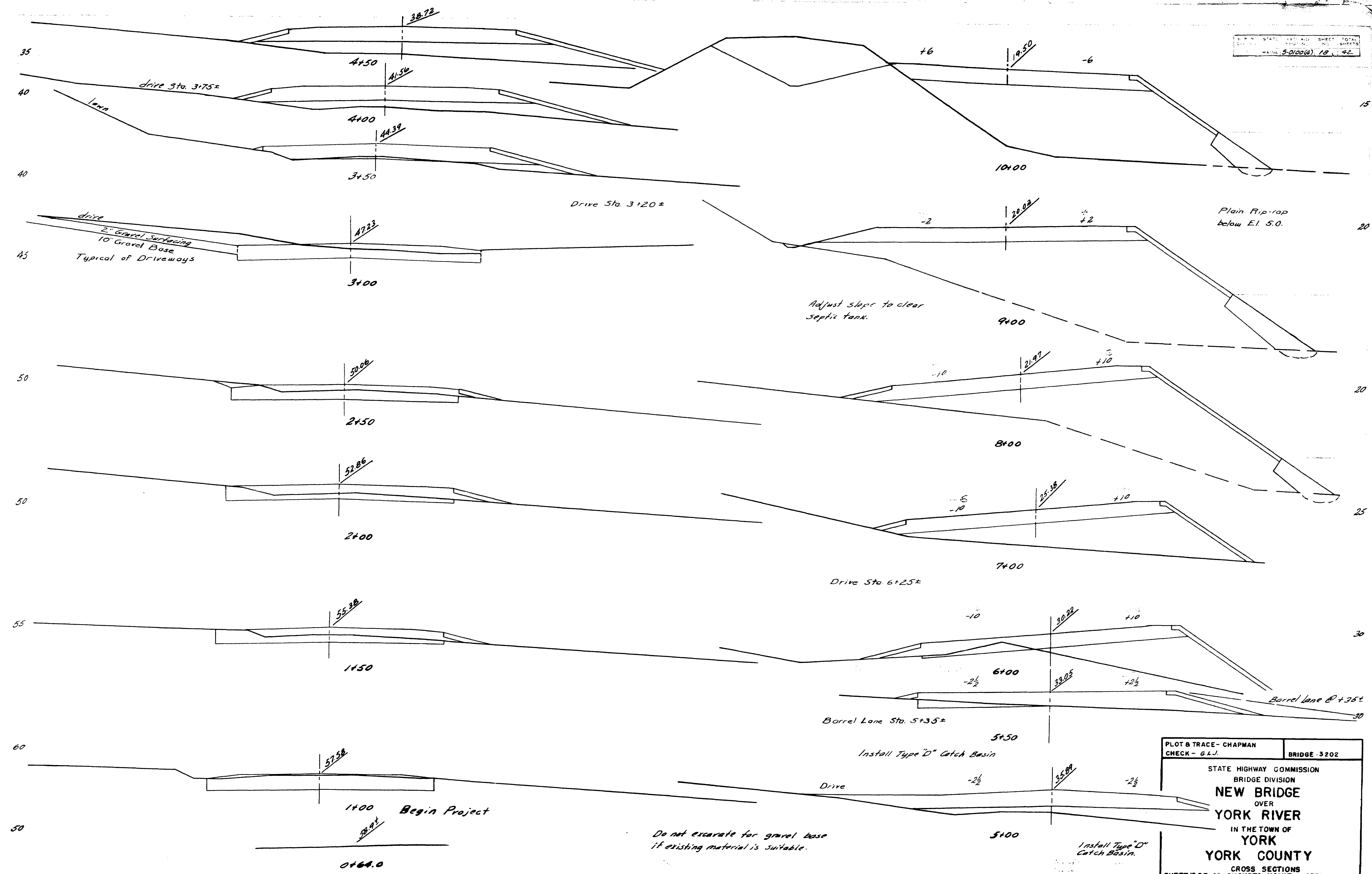
DESIGN: H. GRAY & GORRILL
 TRACE: BAILEY
 CHECK: BAILEY

BRIDGE NO. 3202
 STATE HIGHWAY COMMISSION
 BRIDGE DIVISION

NEW BRIDGE
 AT
Sta. 34+12.5 & Sta. 44+81.5
 IN THE TOWN OF
YORK
YORK COUNTY
 - FOUNDATION SURVEY -

SHEET 17 OF 42 AUG 1955
 OCT. 1955

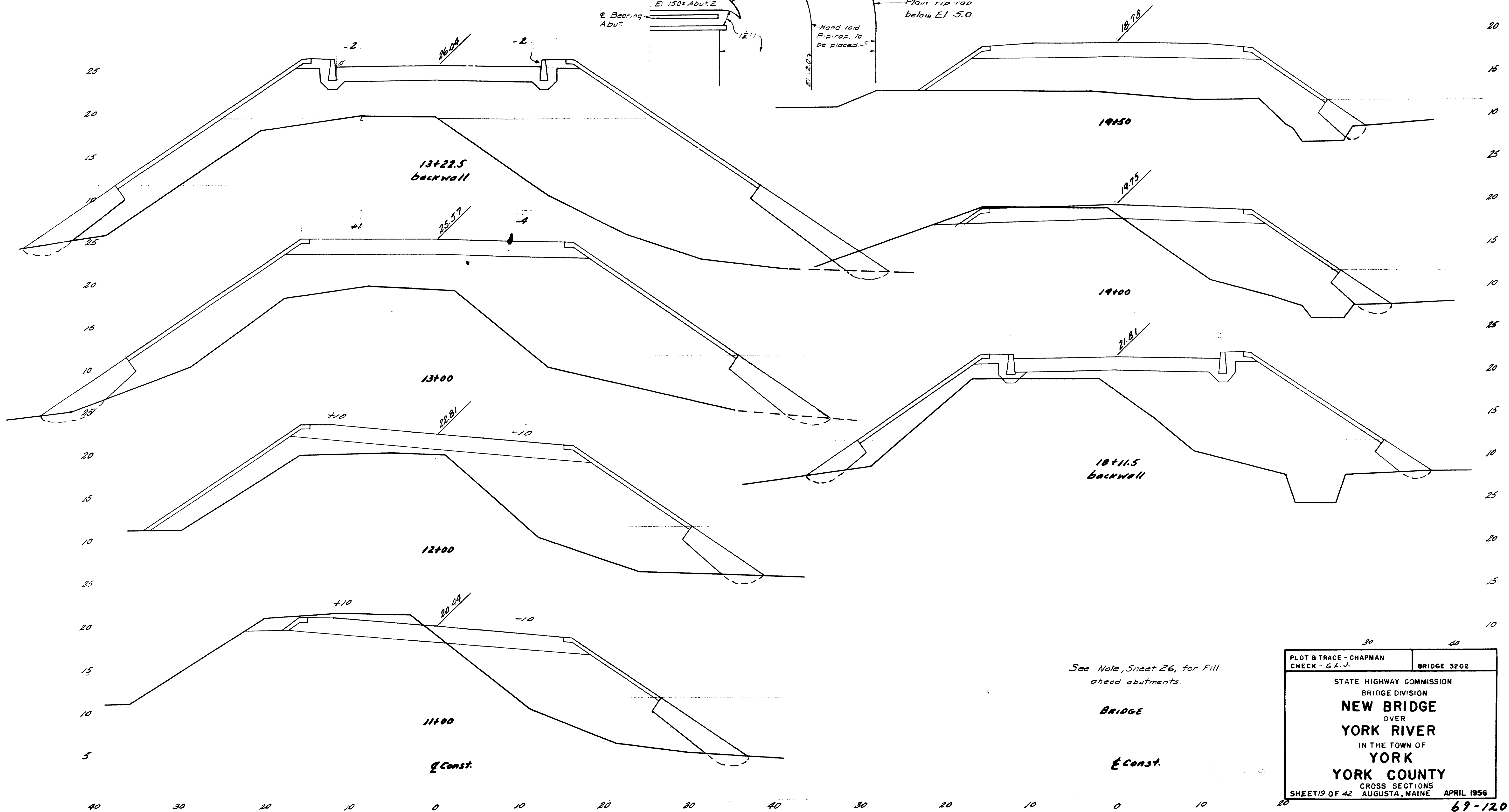
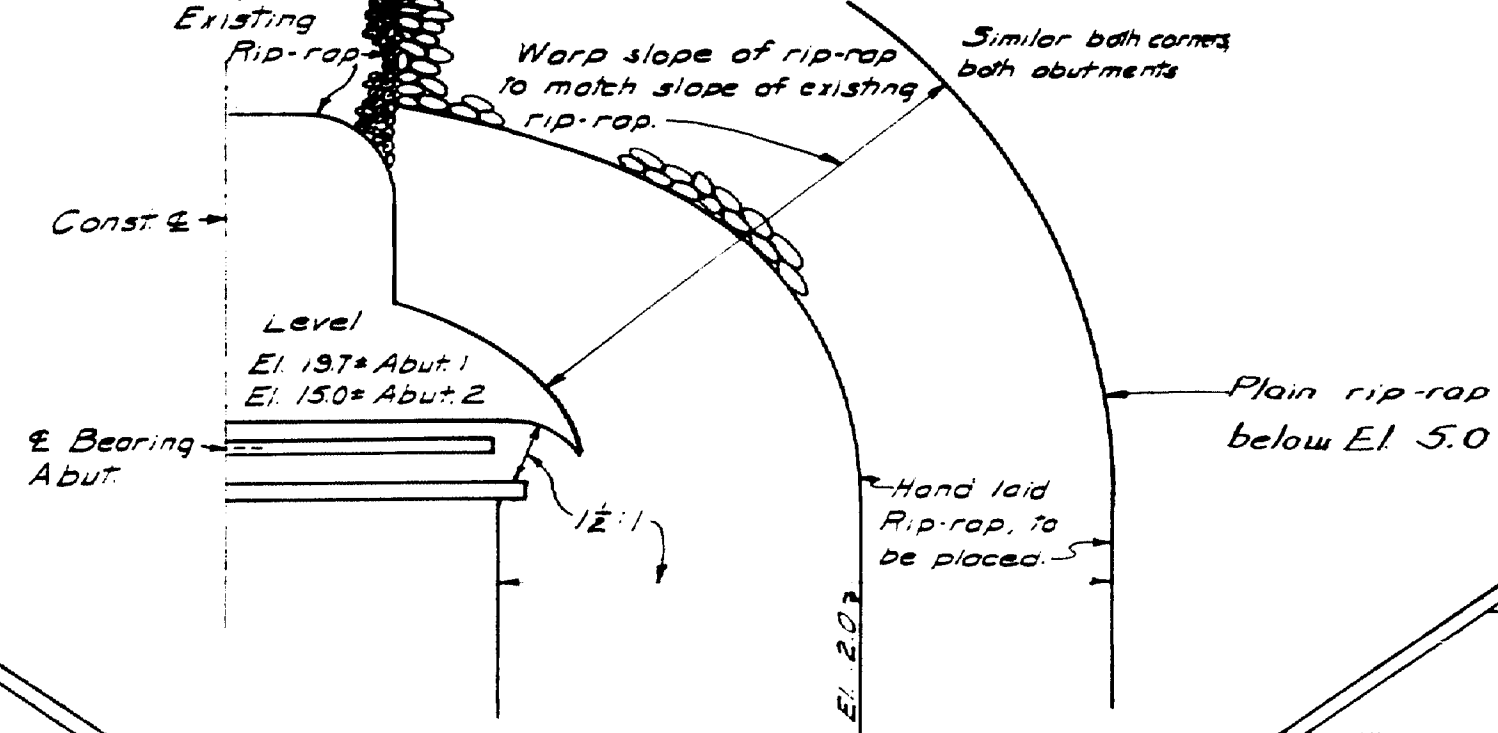




PLAN, RIP-RAP & SLOPES AT ABUTS.

MAINT 3-000(4) 19 42

BRIDGE
See Note, Sh 26, for Fill ahead of Abutments



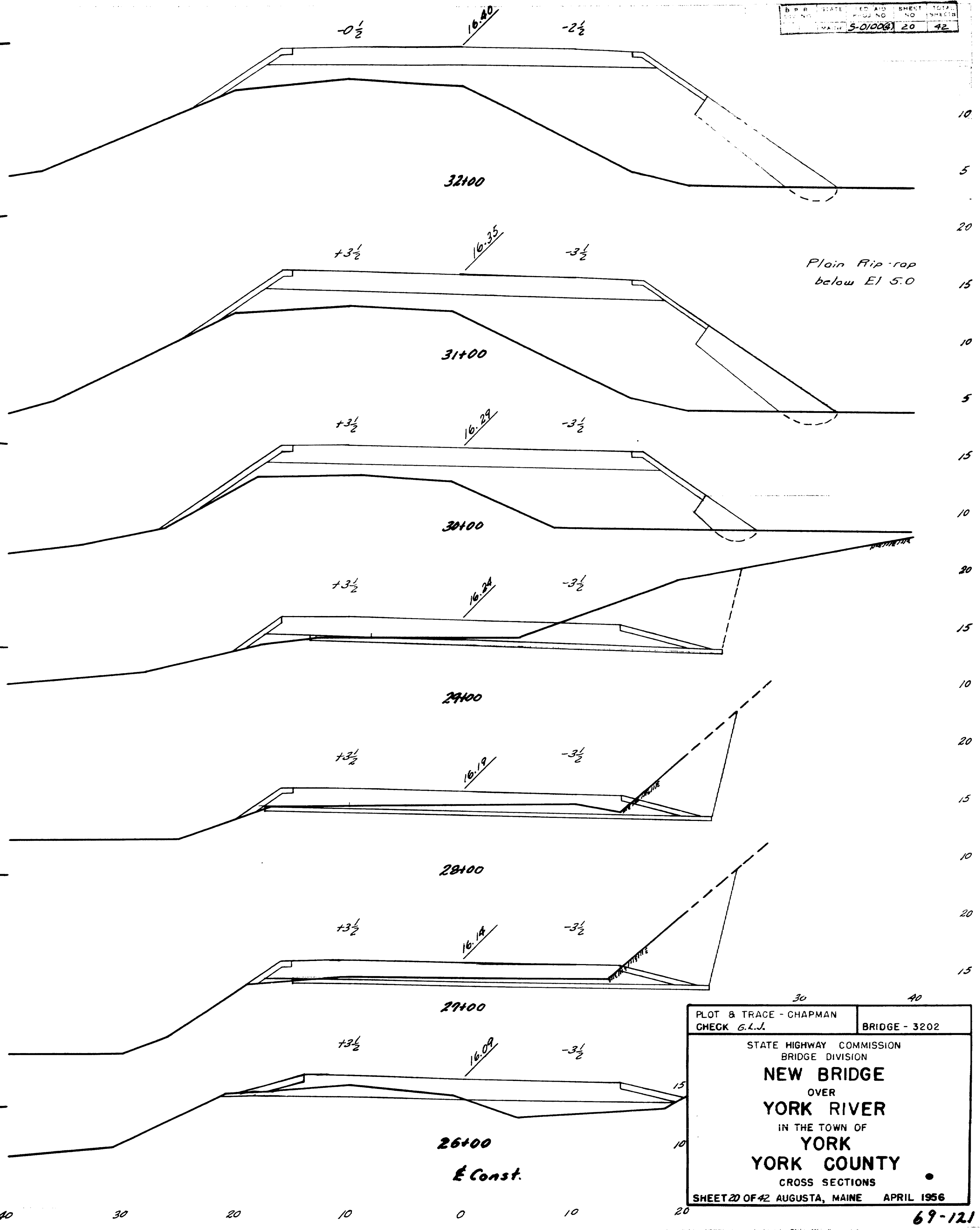
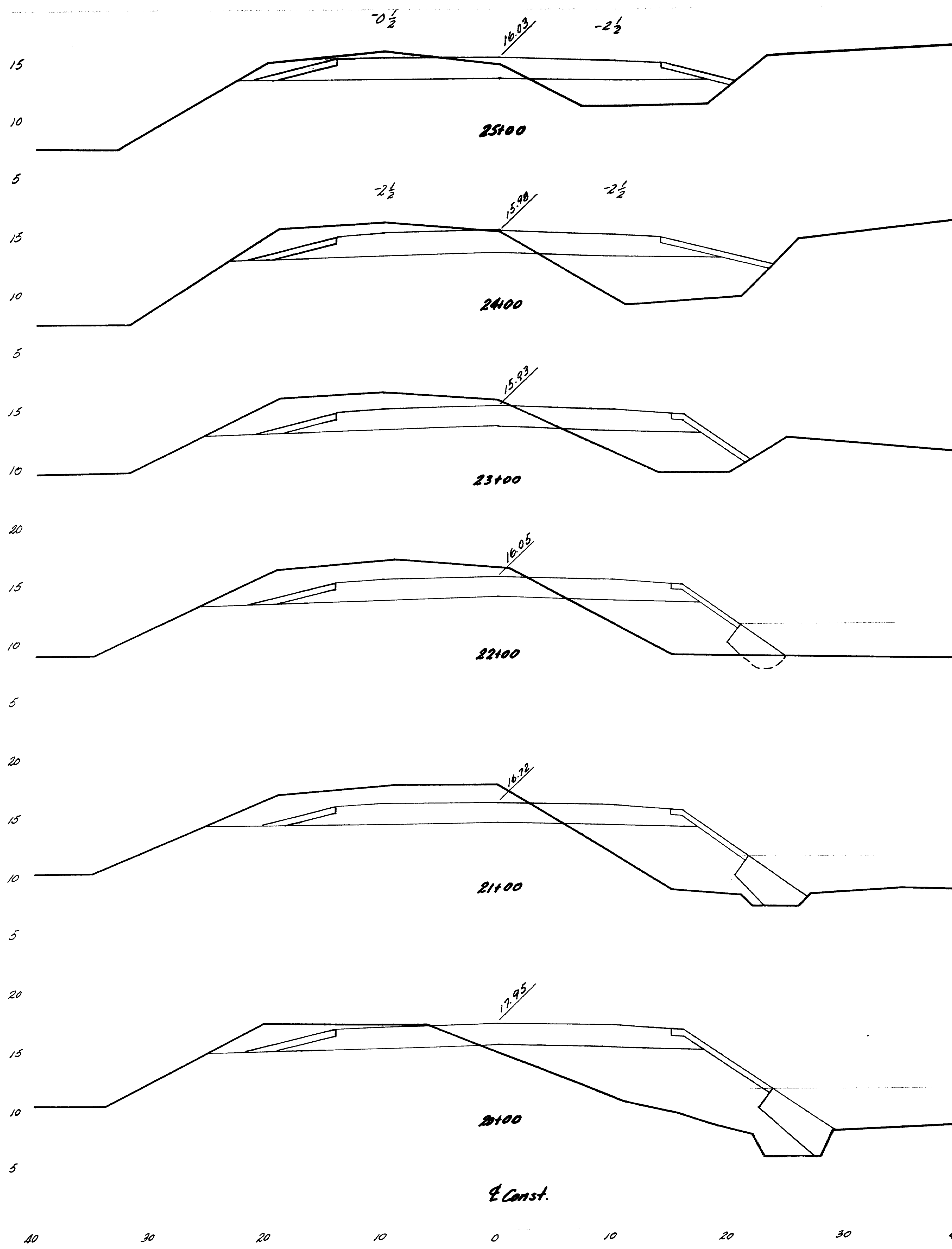
See Note, Sheet 26, for Fill ahead abutments.

BRIDGE

g Const.

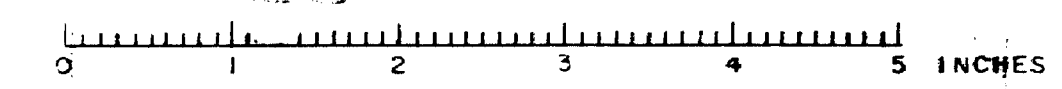
PLOT & TRACE - CHAPMAN		BRIDGE 3202
CHECK - G.L.J.		
STATE HIGHWAY COMMISSION		
BRIDGE DIVISION		
NEW BRIDGE		
OVER		
YORK RIVER		
IN THE TOWN OF		
YORK		
YORK COUNTY		
CROSS SECTIONS		
SHEET 9 OF 42	AUGUSTA, MAINE	APRIL 1956

69-120

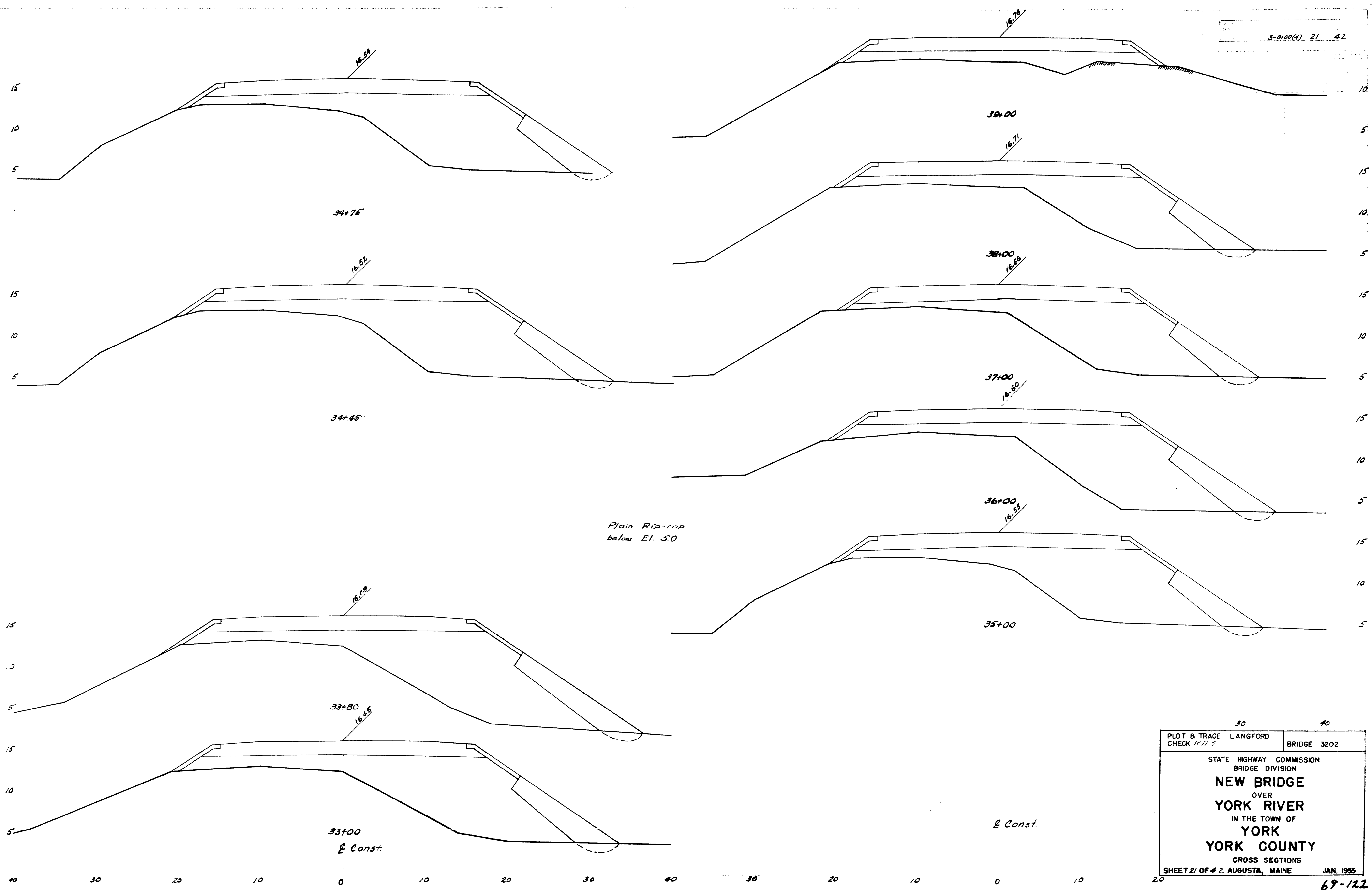


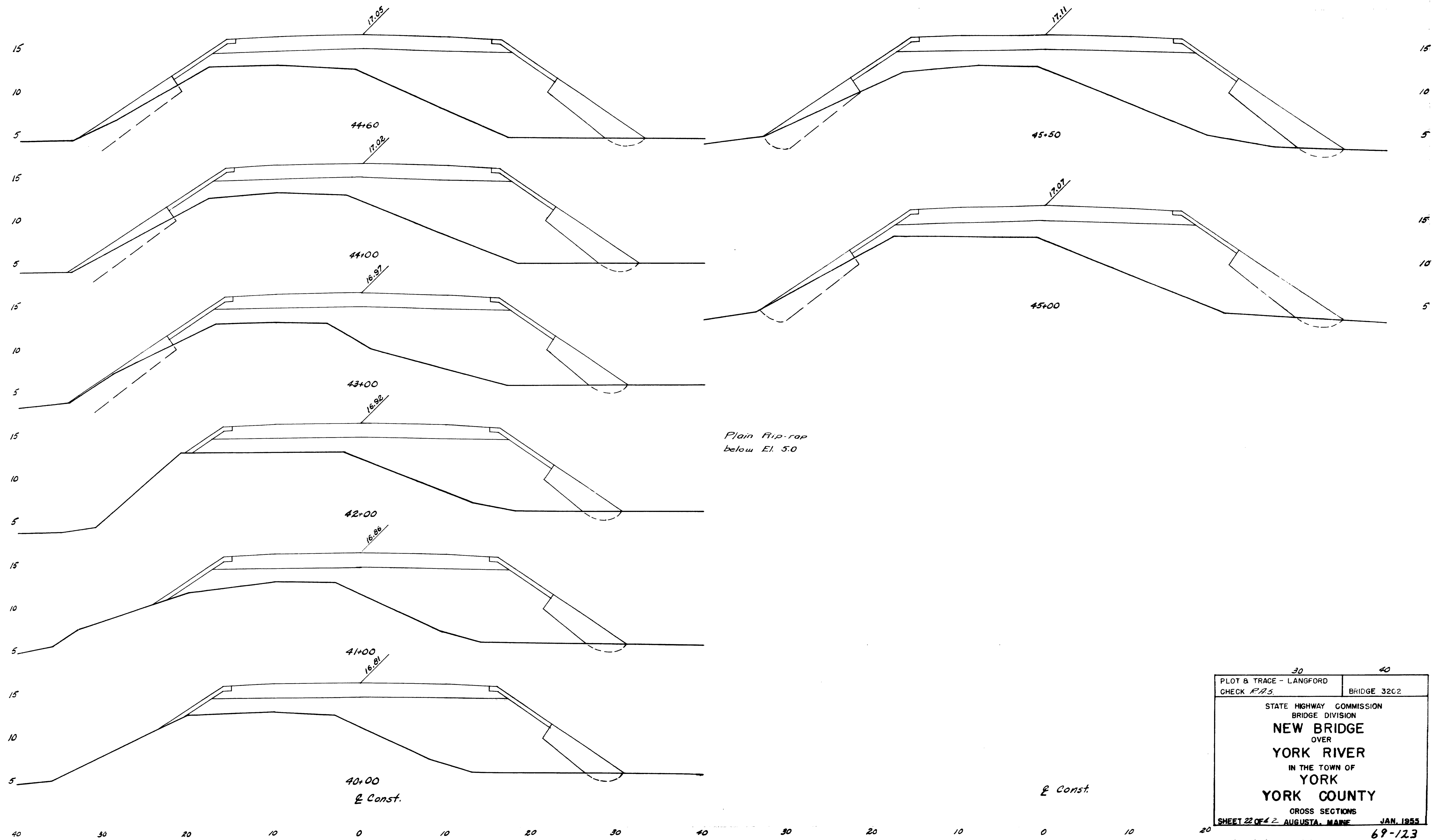
Plain Rip-rap
below El 5.0

PLOT & TRACE - CHAPMAN
CHECK G.L.J.
BRIDGE - 3202
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NEW BRIDGE
OVER
YORK RIVER
IN THE TOWN OF
YORK
YORK COUNTY
CROSS SECTIONS
SHEET 20 OF 42 AUGUSTA, MAINE APRIL 1956

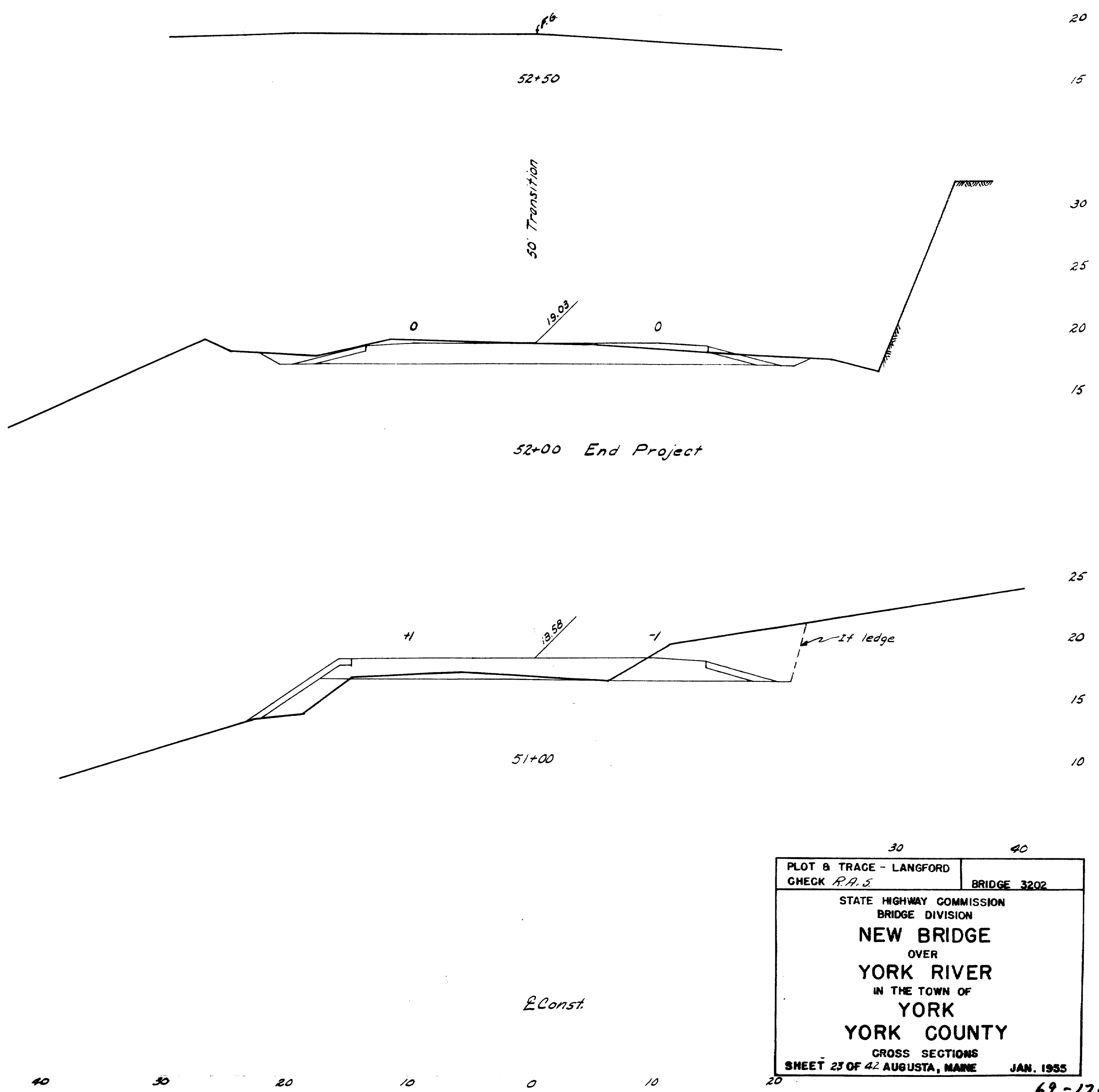
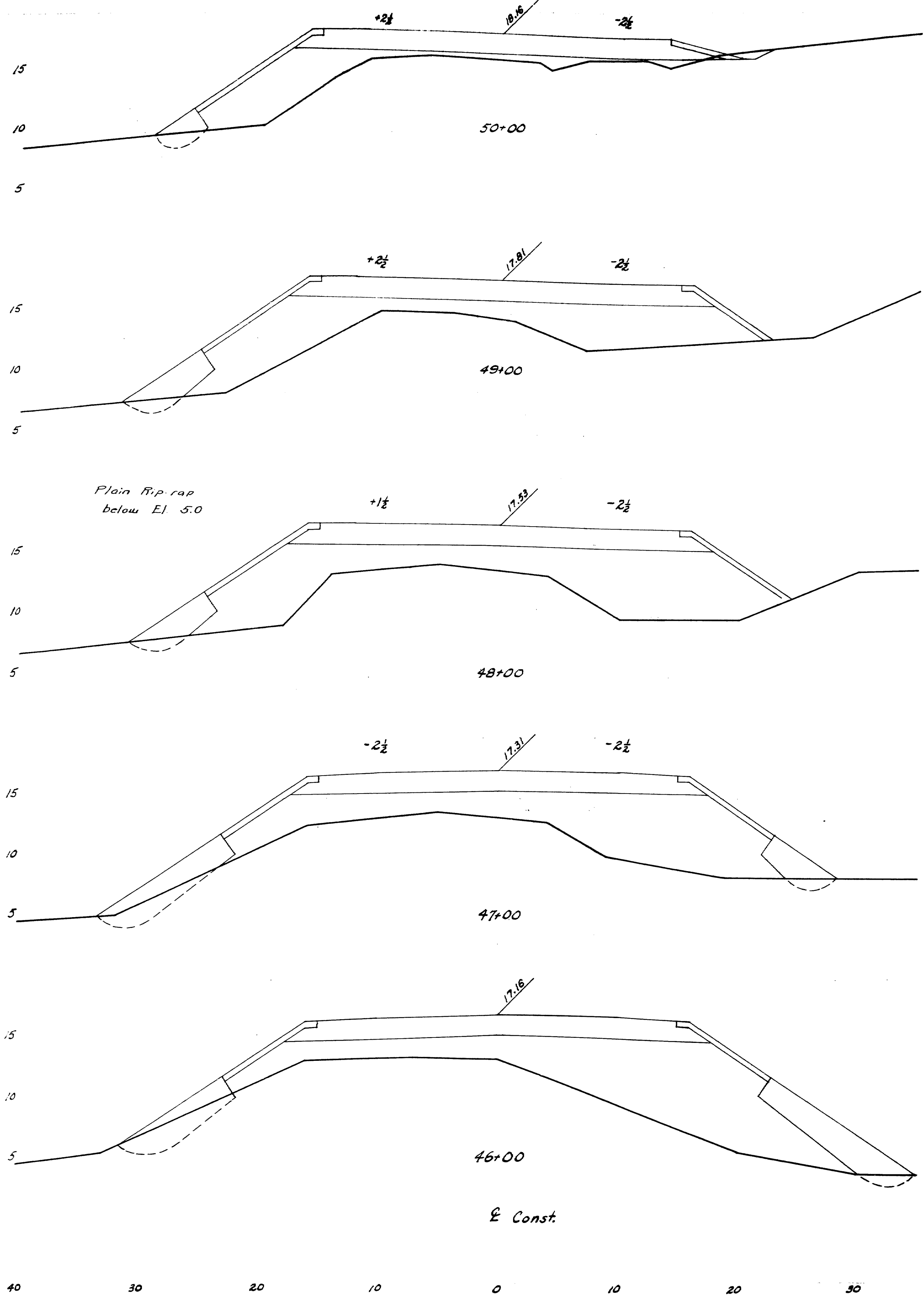


S-0100(4) 21 42

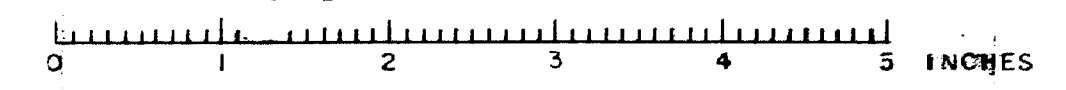


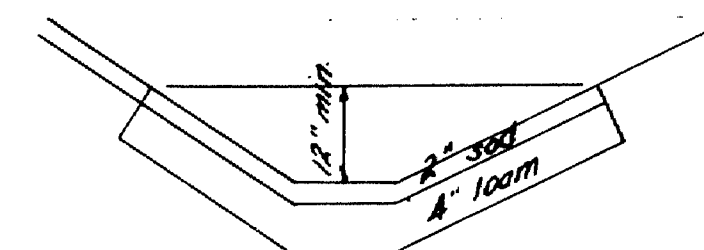


PLOT & TRACE - LANGFORD		BRIDGE 3202
CHECK P.A.S.		
STATE HIGHWAY COMMISSION		
BRIDGE DIVISION		
NEW BRIDGE		
OVER		
YORK RIVER		
IN THE TOWN OF		
YORK		
YORK COUNTY		
CROSS SECTIONS		
SHEET 22 OF 42		AUGUSTA, MAINE
		JAN. 1955



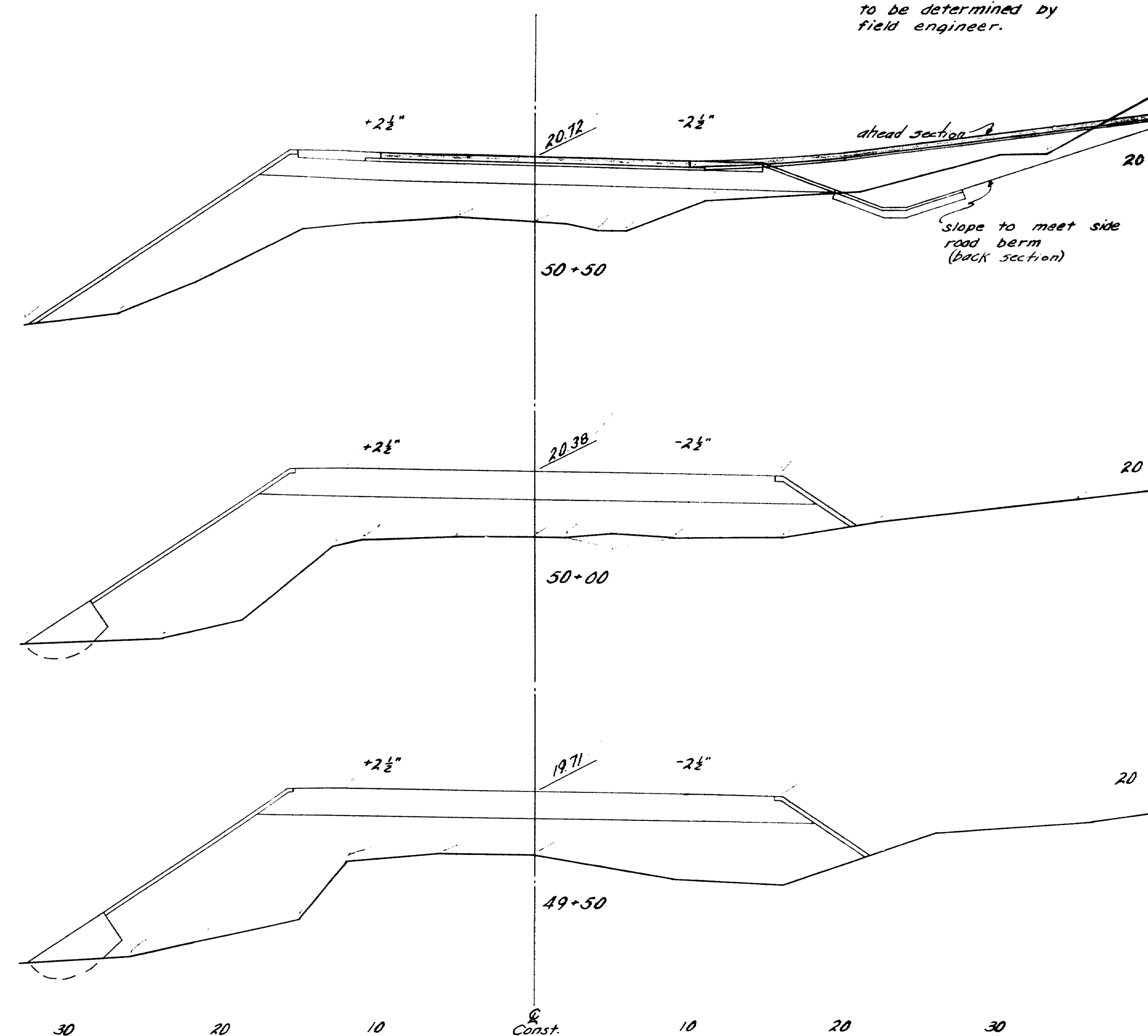
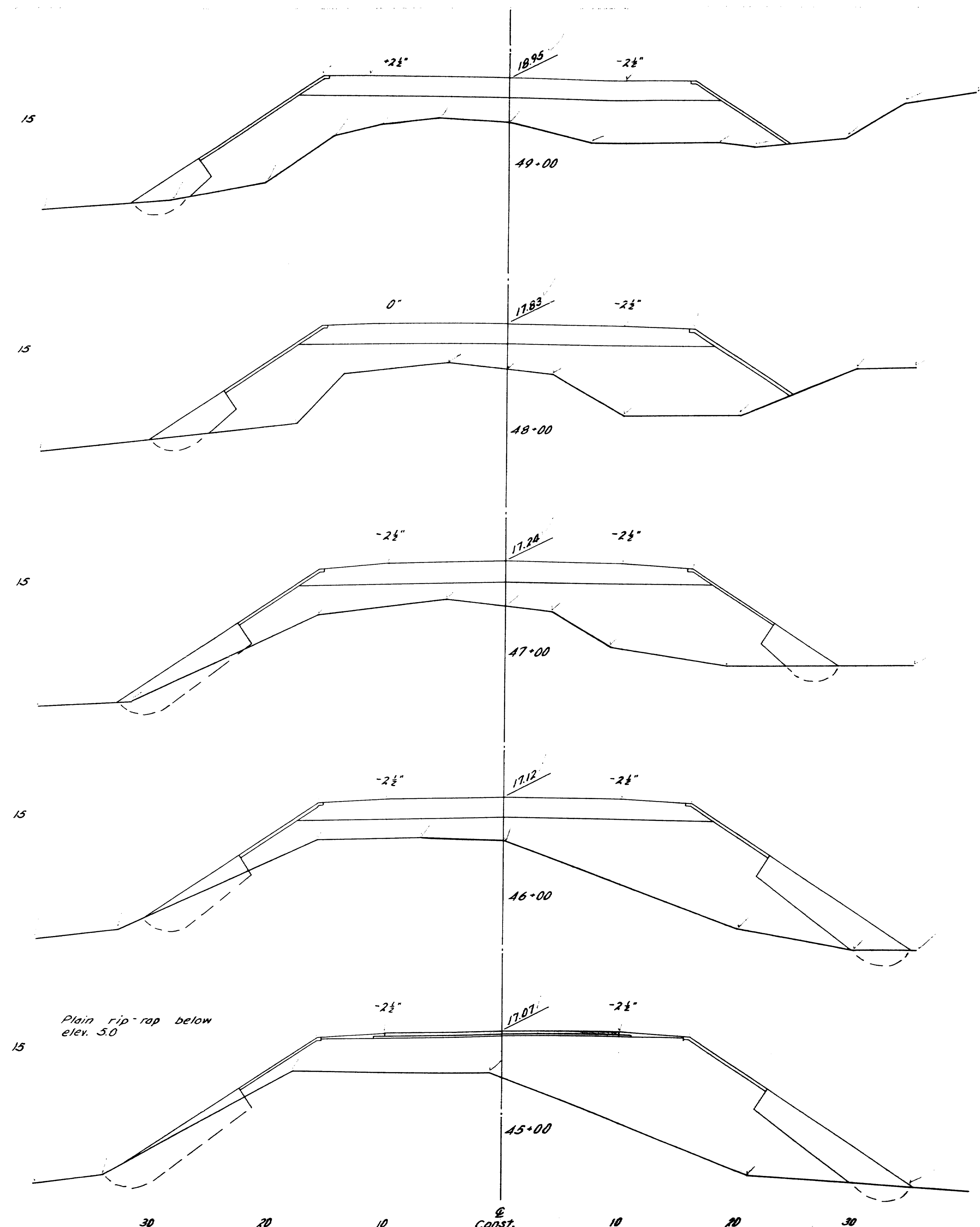
PLOT & TRACE - LANGFORD	
CHECK R.A. 5	BRIDGE 3202
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NEW BRIDGE	
OVER	
YORK RIVER	
IN THE TOWN OF	
YORK	
COUNTY	
CROSS SECTIONS	
SHEET 23 OF 42 AUGUSTA, MAINE JAN. 1935	





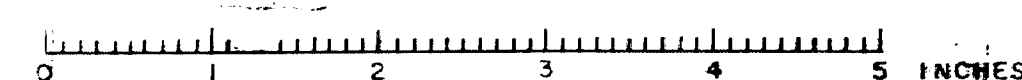
~ Typical Sod Ditch ~

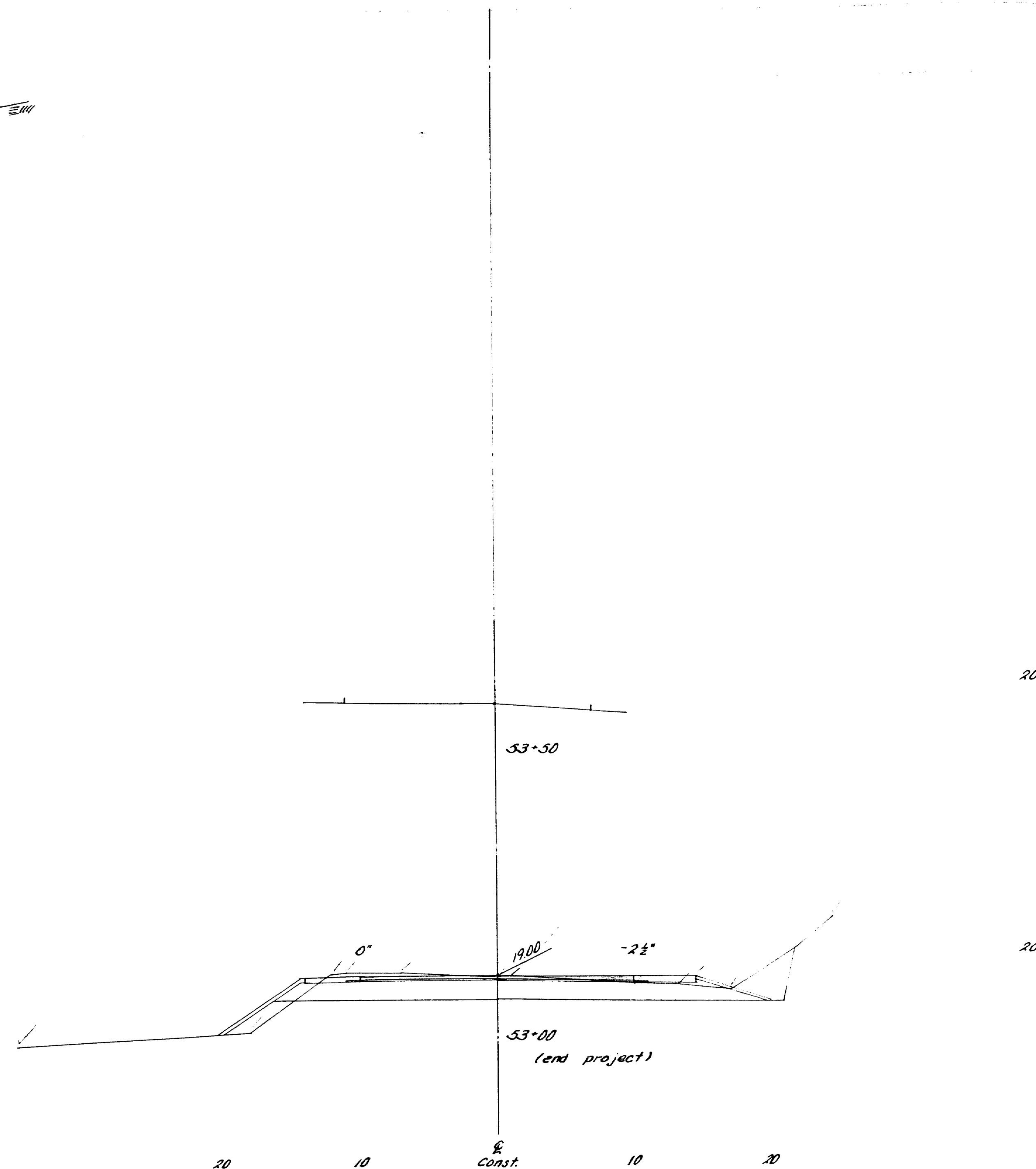
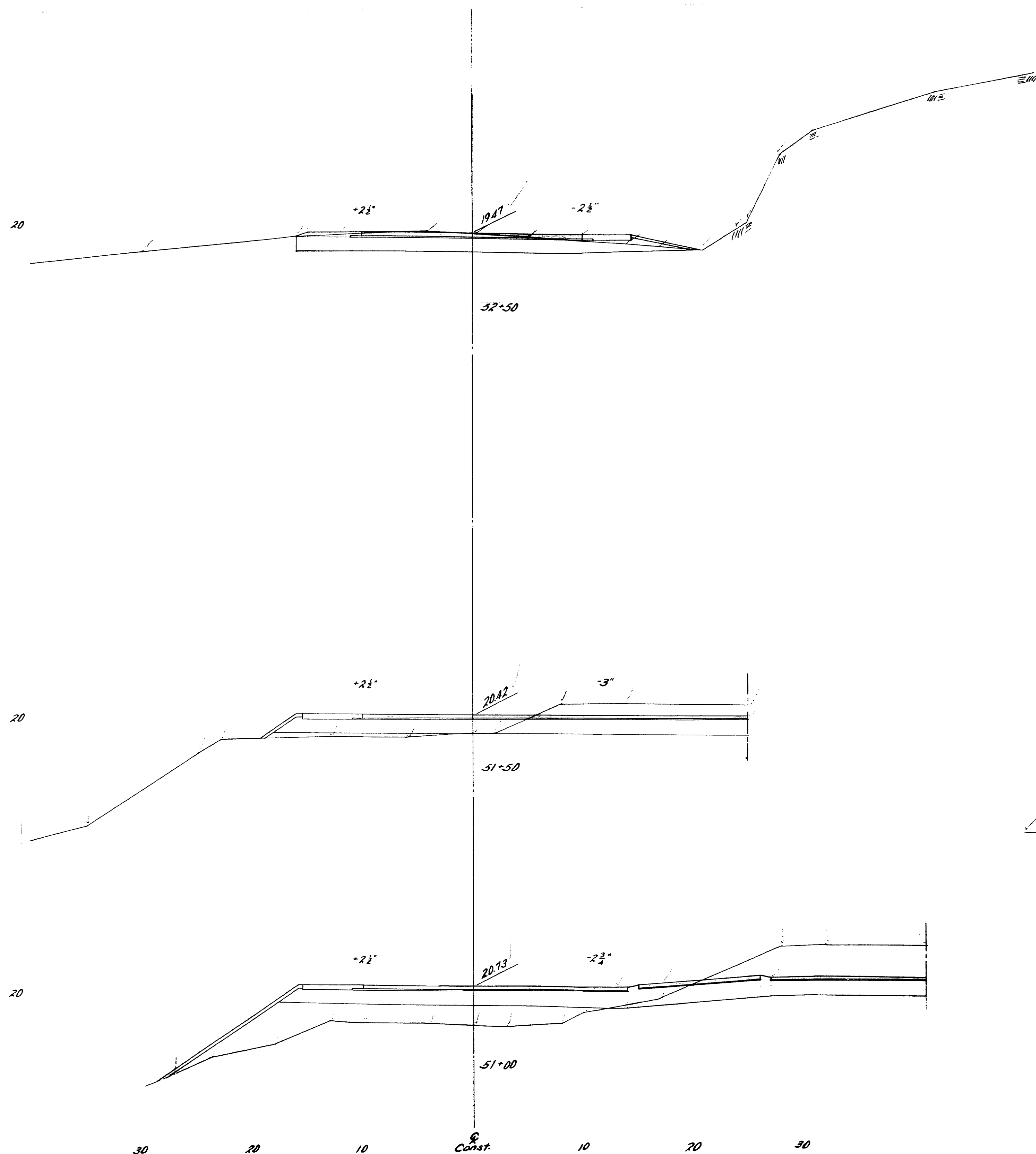
extent and limits of
sod ditch at intersection
to be determined by
field engineer.



DESIGN-MOLLICONE	BRIDGE NO. 3202
TRADE-WENTZEL	SURVEY-WOODS
CHECK-ARC	PLOT-MOLLICONE
STATE HIGHWAY COMMISSION	
BRIDGE DIVISION	
NEW BRIDGE	
OVER	
YORK RIVER	
IN THE TOWN OF	
YORK	
YORK COUNTY	
ADDITIONAL CROSS SECTIONS	
SHEET 23A OF 42 AUGUSTA, MAINE APRIL 1957	

69-125

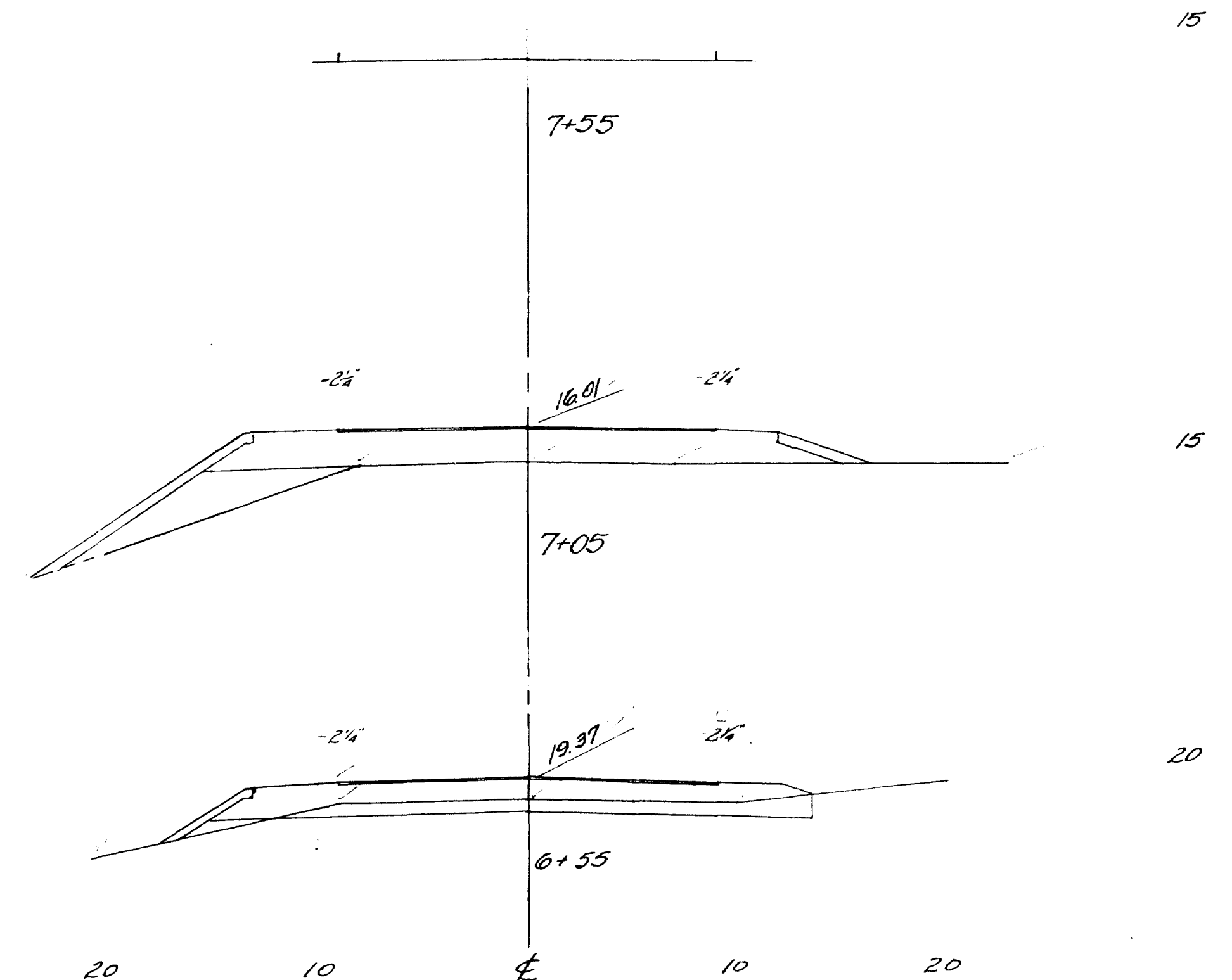
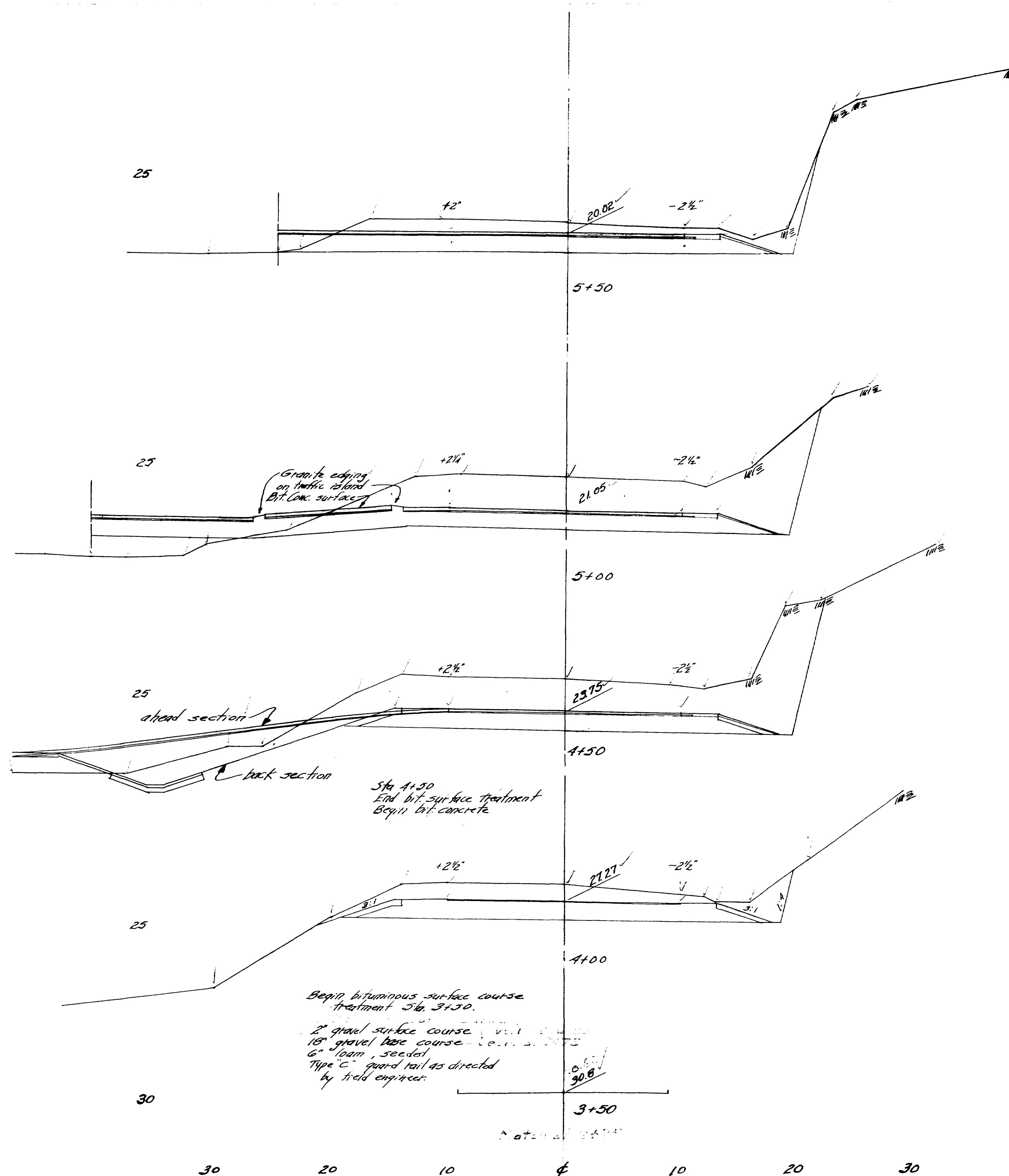




DESIGN- MOLLICONE	BRIDGE NO. 3202
TRACE- WENTZEL	SURVEY- WOODS
CHECK- ARC	PLOT- MOLLICONE
STATE HIGHWAY COMMISSION	
BRIDGE DIVISION	
NEW BRIDGE	
OVER	
YORK RIVER	
IN THE TOWN OF	
YORK	
YORK COUNTY	
ADDITIONAL CROSS SECTIONS	
SHEET 23B OF 42 AUGUSTA, MAINE APRIL 1957	

69-126

0 1 2 3 4 5 INCHES

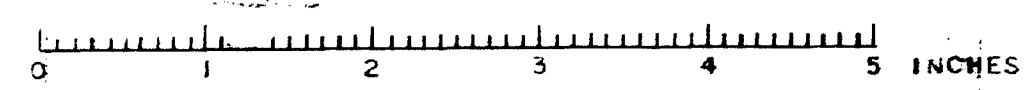


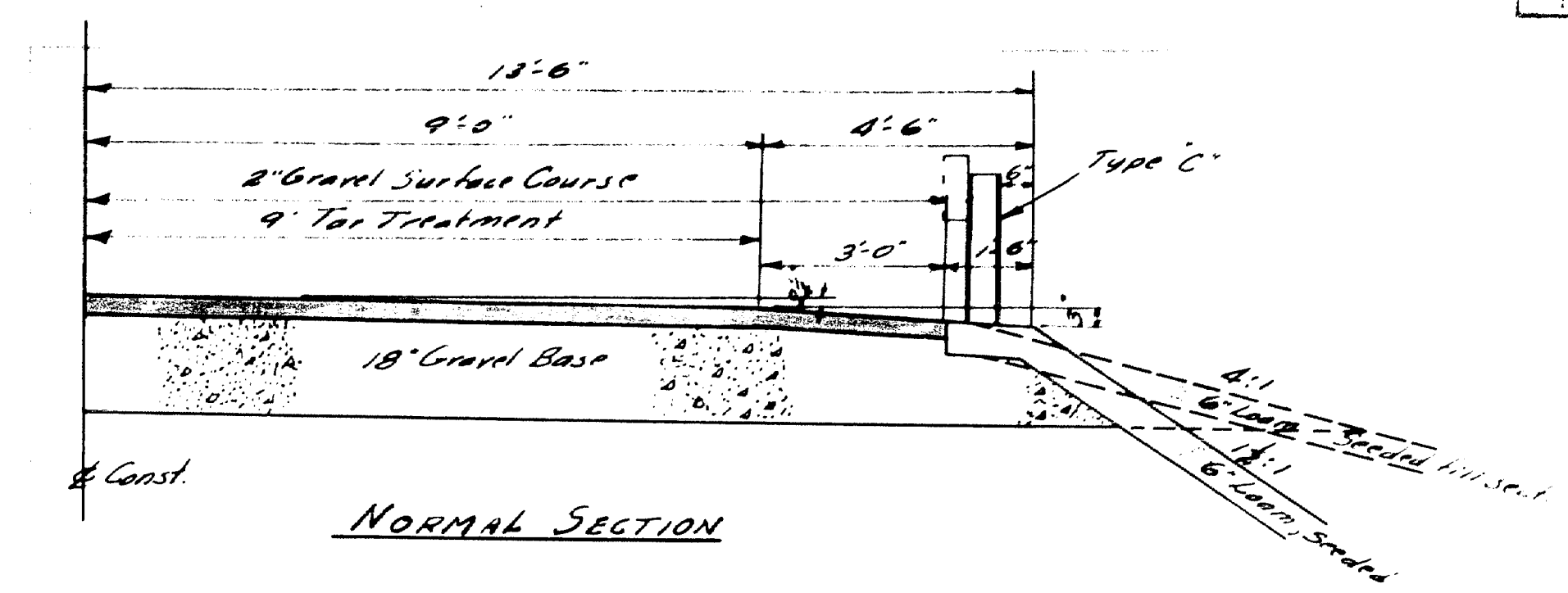
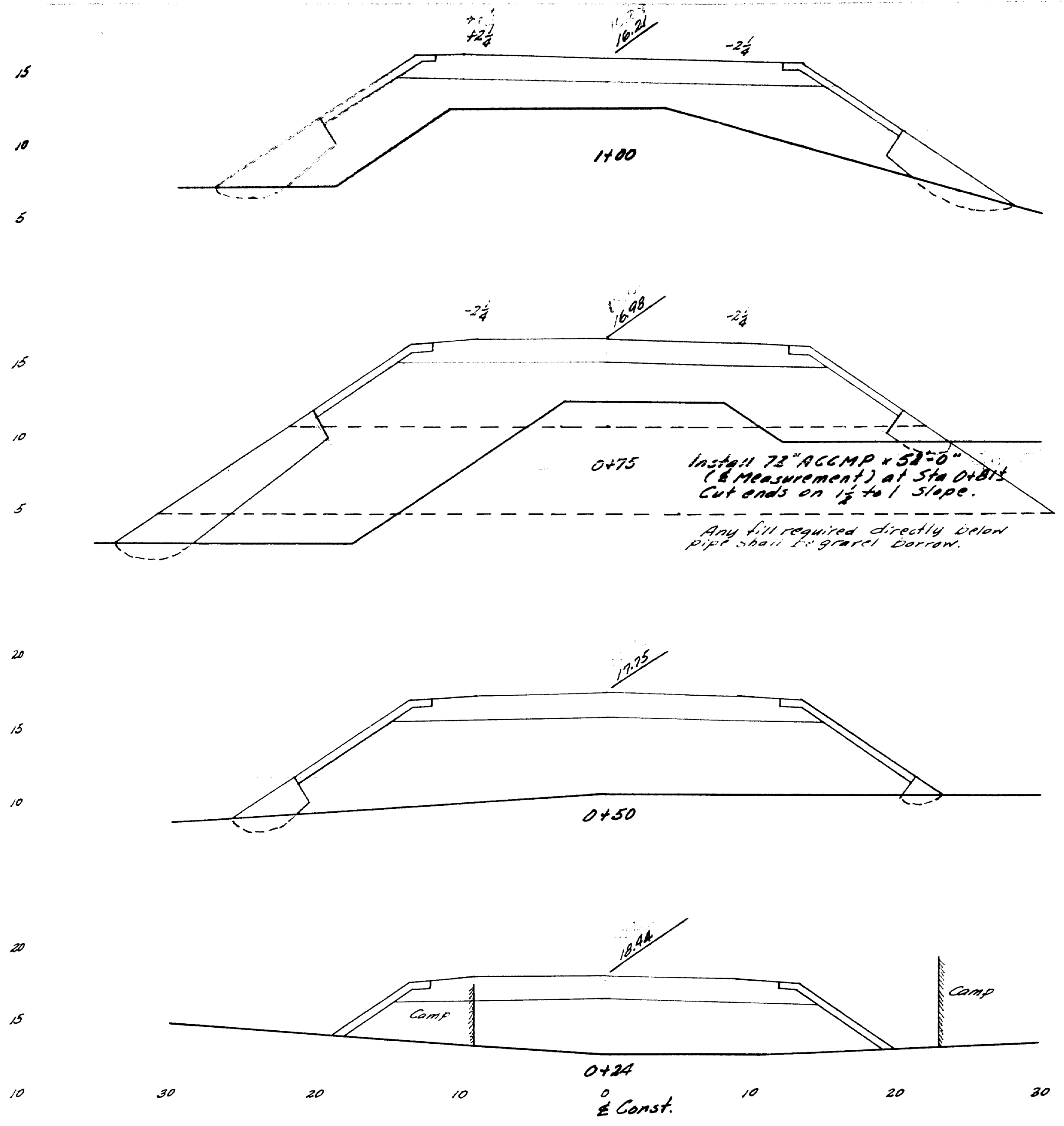
End bit. corr. sur. course Type B Sta. 6+55 ±
Begin bit. surface treatment

Do not excavate for gravel base where existing material is suitable.

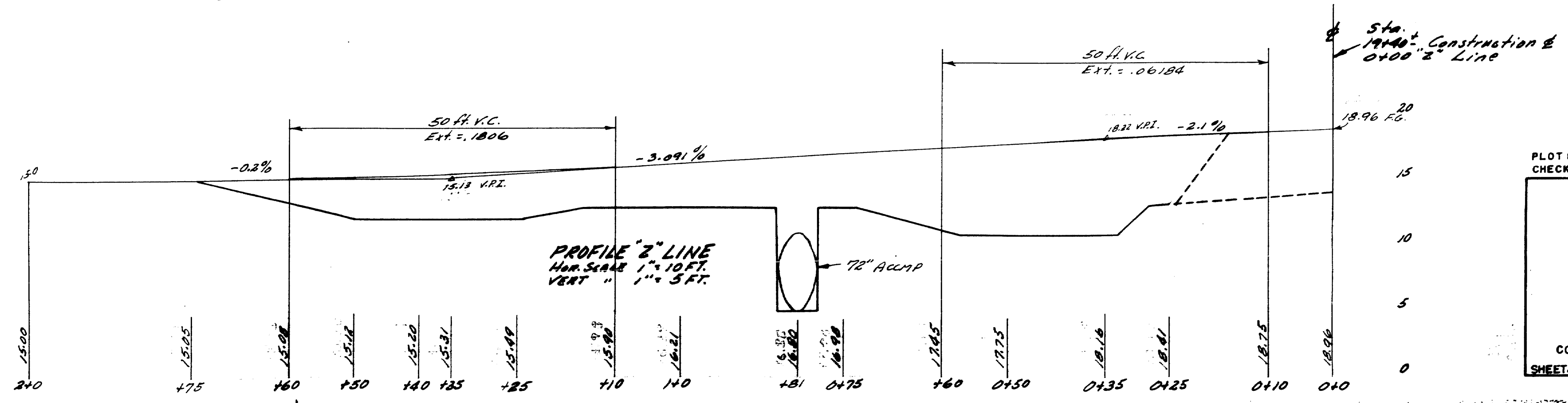
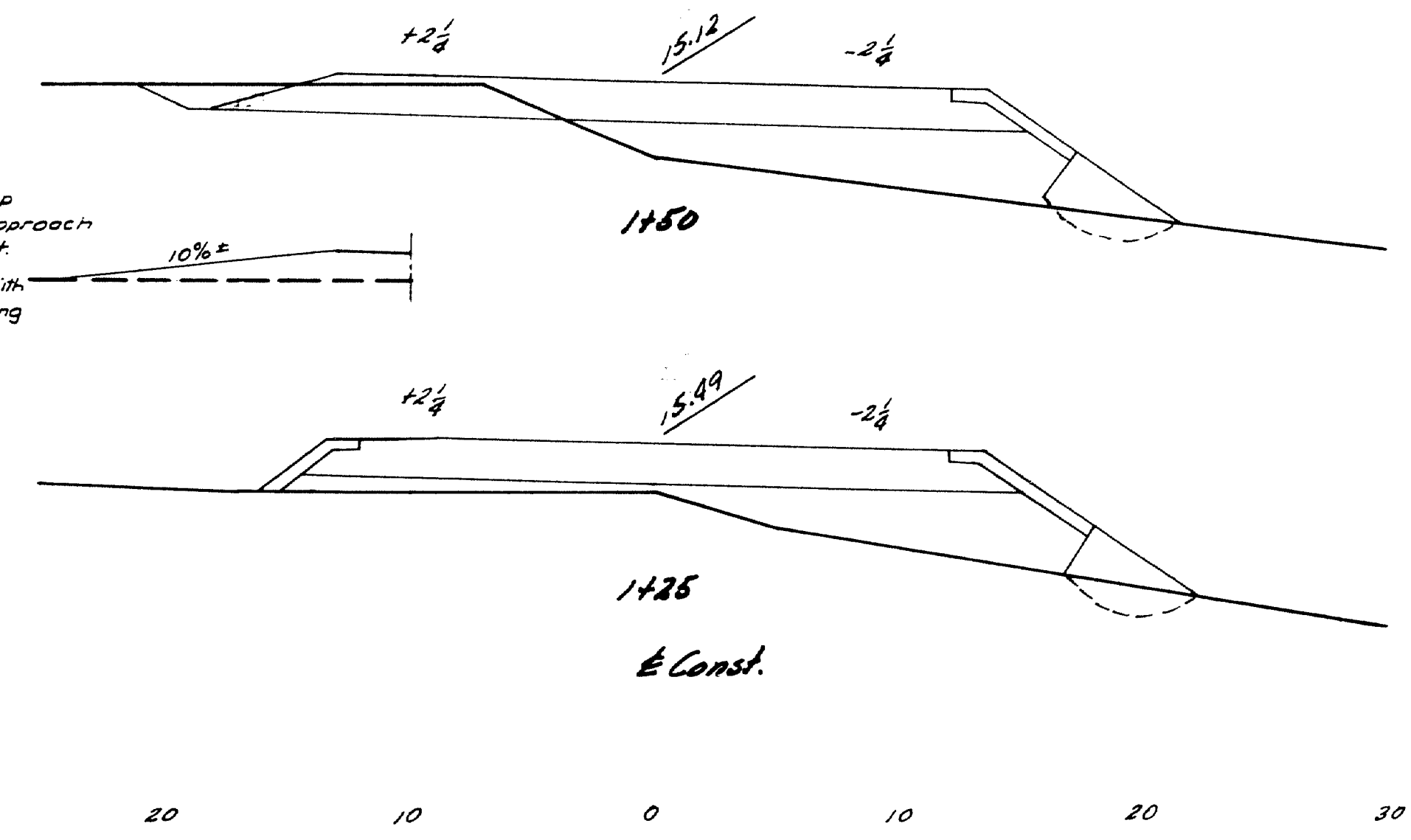
DESIGN-MOLLICONE	BRIDGE NO. 3202
TRACE-WENTZEL	SURVEY-WOODS
CHECK-ARC	PLOT-MOLLICONE
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NEW BRIDGE OVER YORK RIVER IN THE TOWN OF YORK YORK COUNTY	
ADDITIONAL CROSS SECTIONS	
SHEET 23C OF 42 AUGUSTA, MAINE APRIL 1957	

69-127

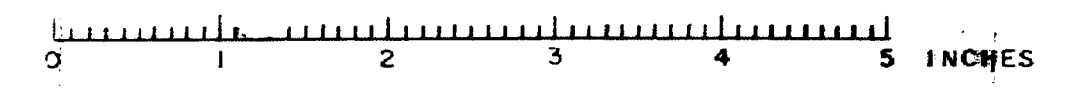


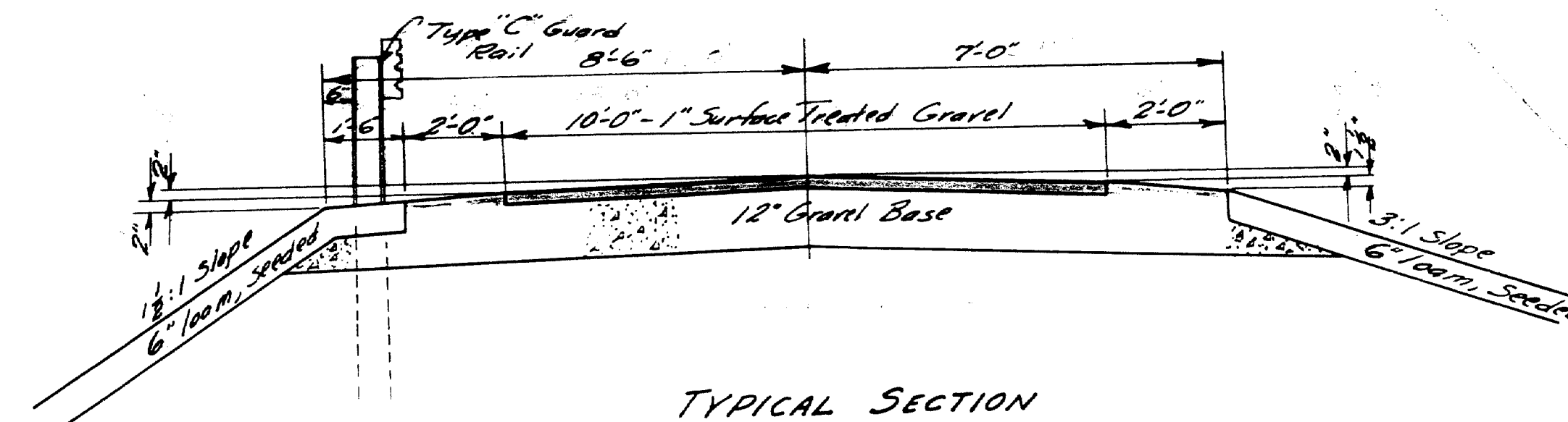
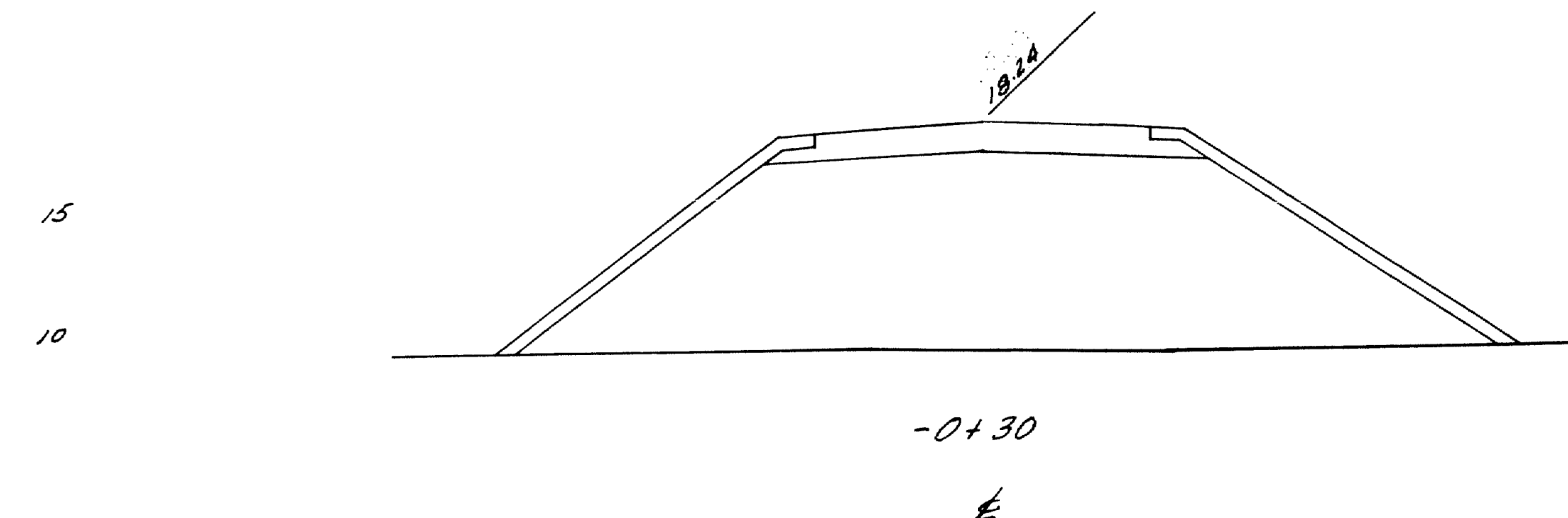
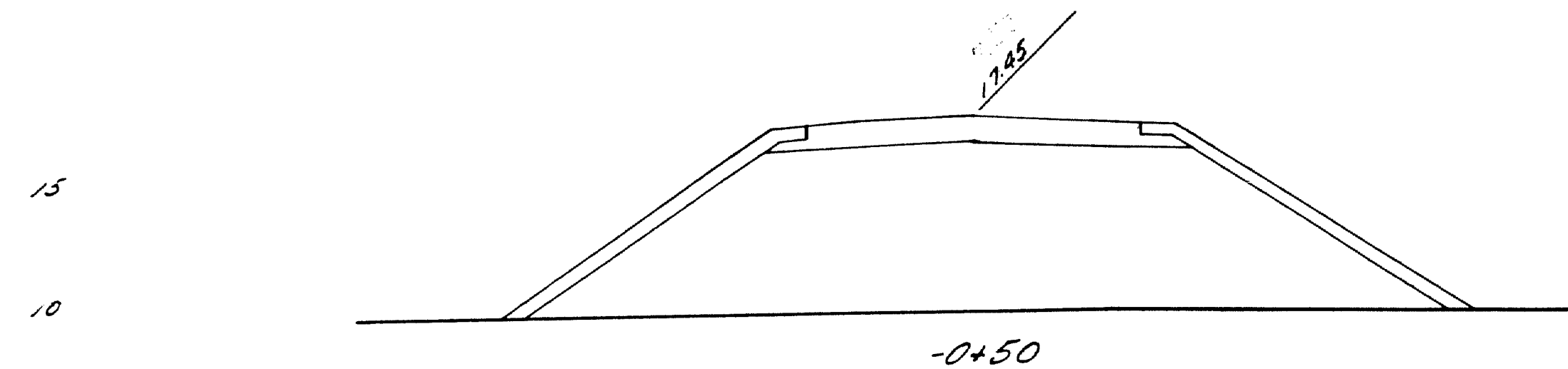
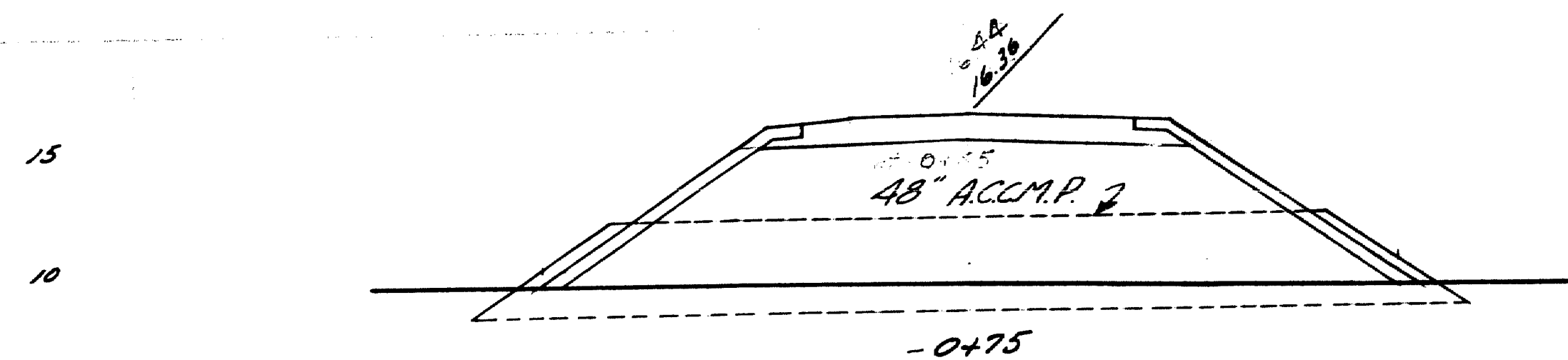


Provide ramp to old bridge approach at Sta 1+37± left. Surface ramp with 2" Gravel Surfacing

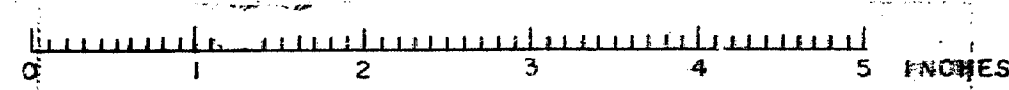
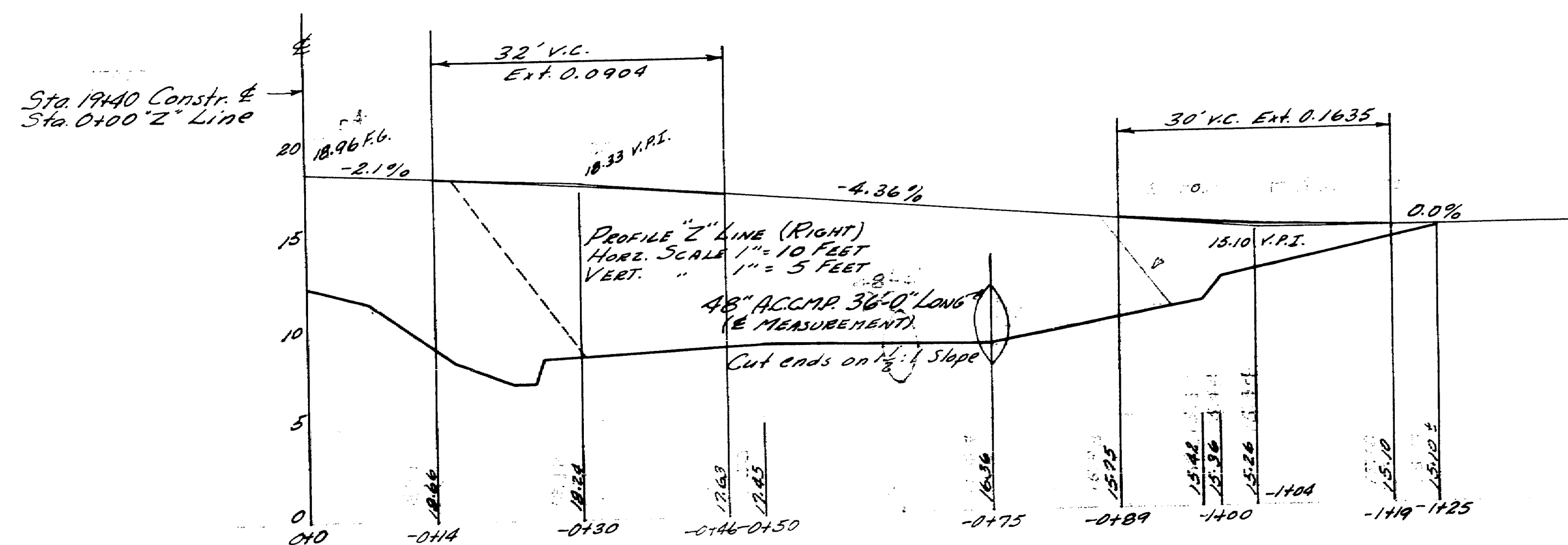
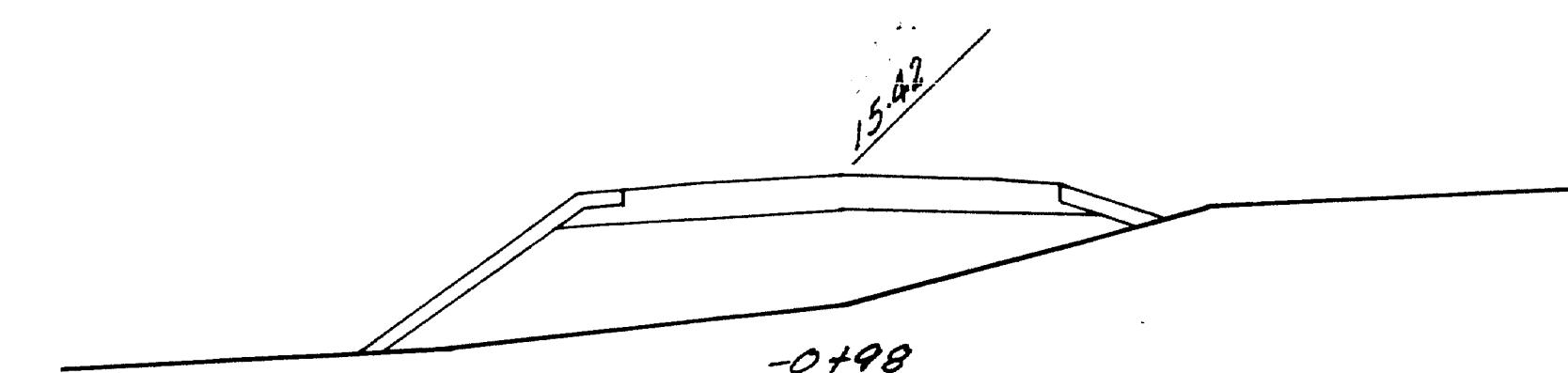
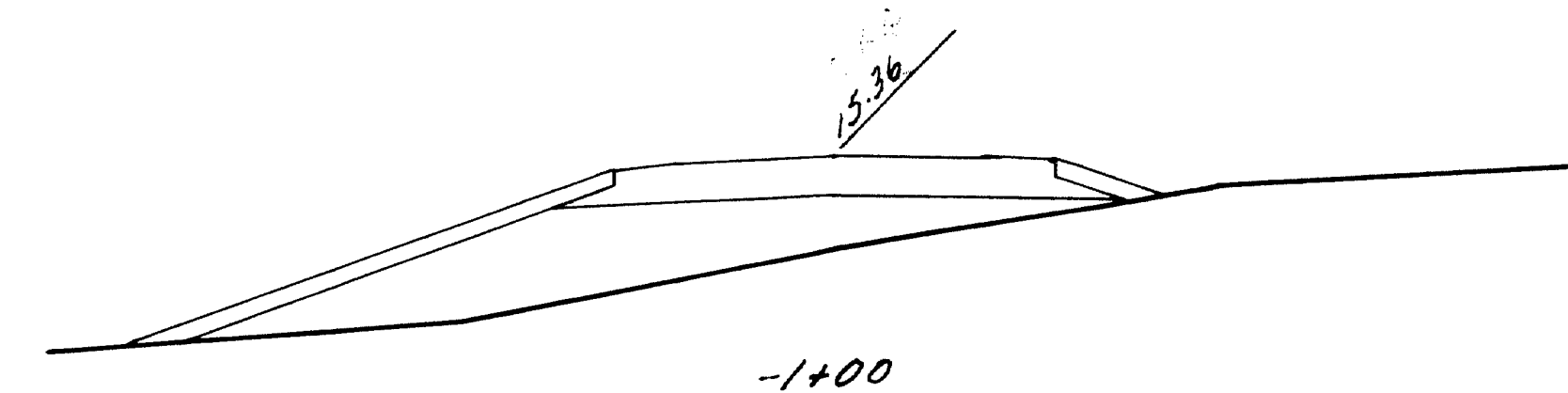
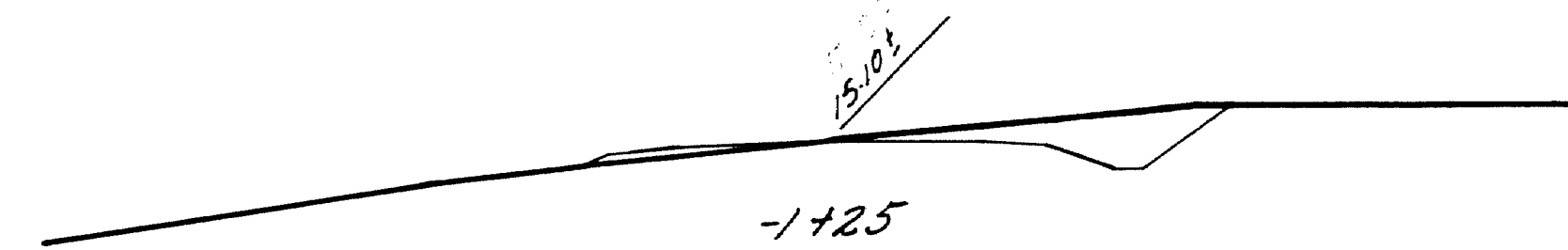


PLOT & TRACE - CHAPMAN
CHECK - G.L.J. BRIDGE-3202
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NEW BRIDGE
OVER
YORK RIVER
IN THE TOWN OF
YORK
YORK COUNTY
CONNECTING ROAD TO EXISTING HIGHWAY
STA. 19+40
SHEET 24 OF 42 AUGUSTA, MAINE APRIL 1956
67-728





TYPICAL SECTION
DRIVEWAY TO ISLAND

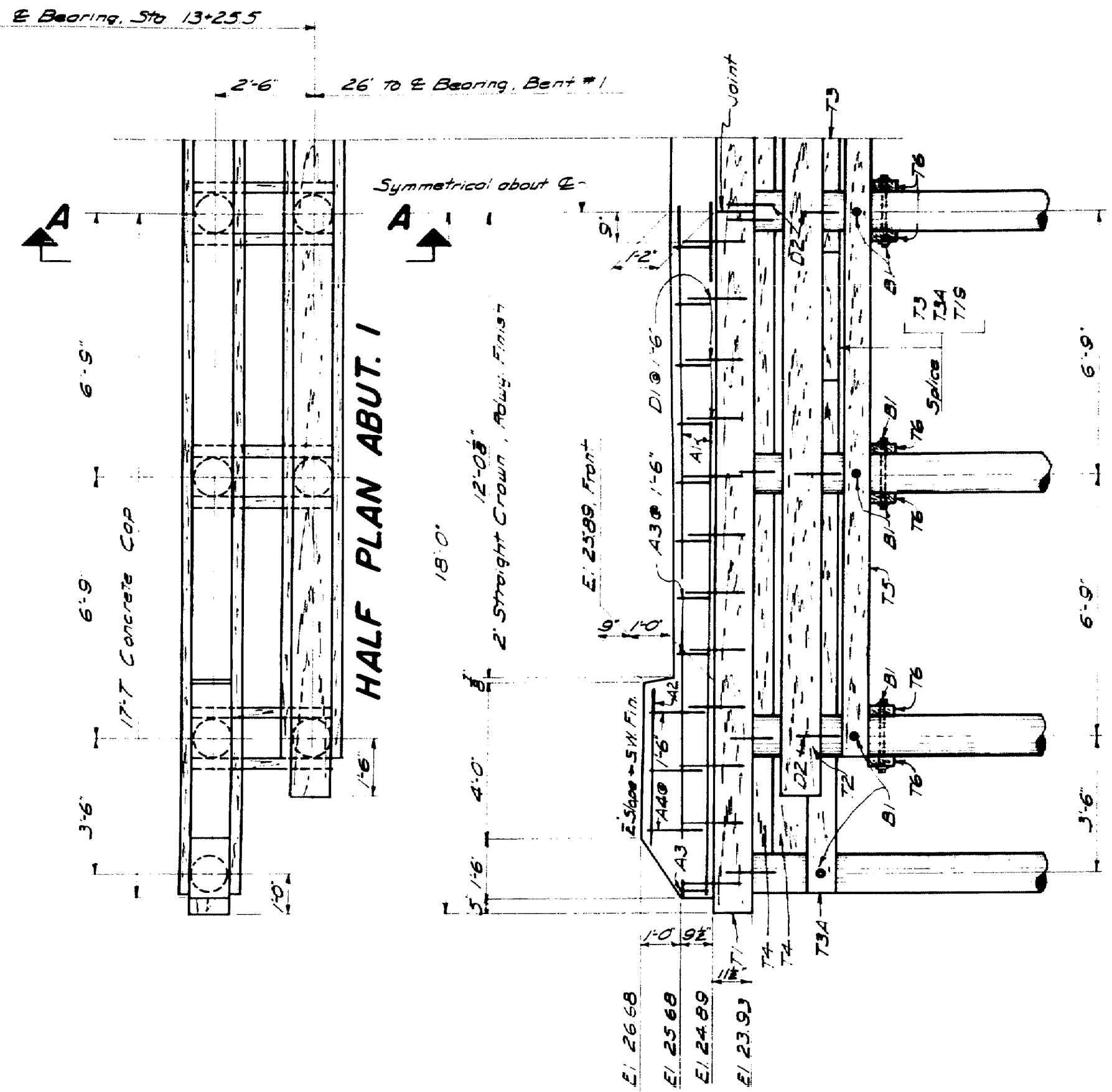


PLOT & TRACE - CHAPMAN
CHECK - G.L.J. BRIDGE-3202

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NEW BRIDGE
OVER
YORK RIVER
IN THE TOWN OF
YORK
YORK COUNTY
DRIVEWAY TO ISLAND (STA. 19+40)
SHEET 25 OF 42 AUGUSTA, MAINE APRIL 1956

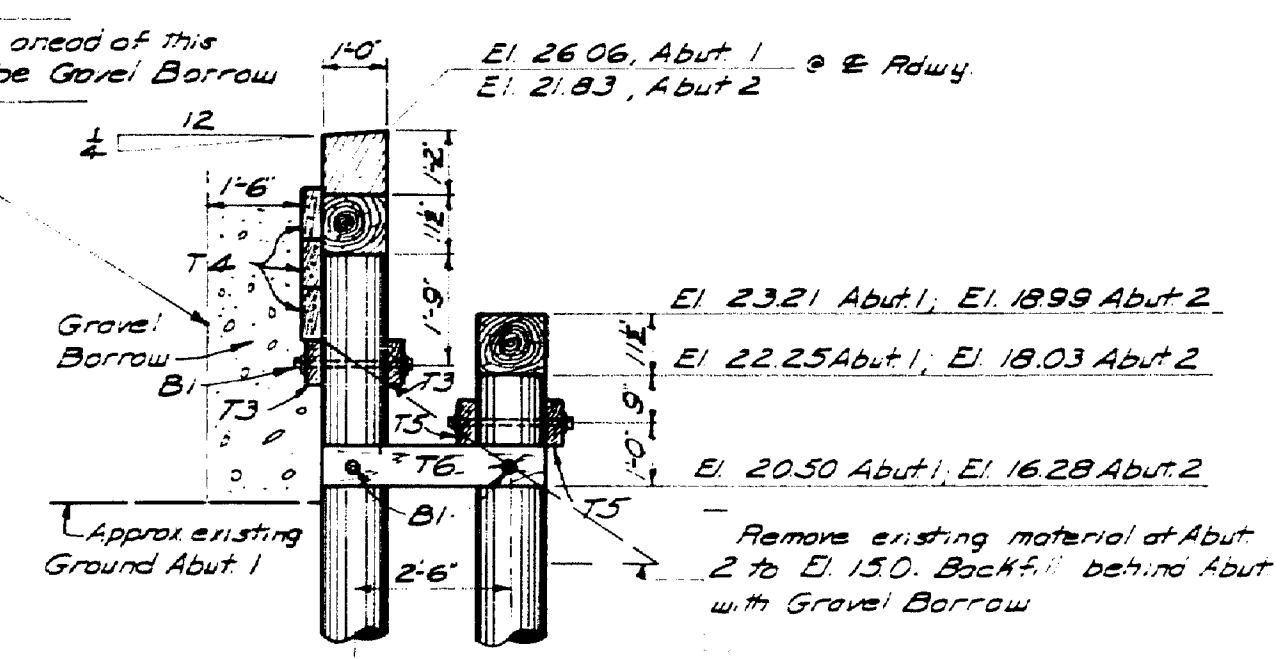
69-129

B. P. R. DIV. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	5-0100 (4)	26	42

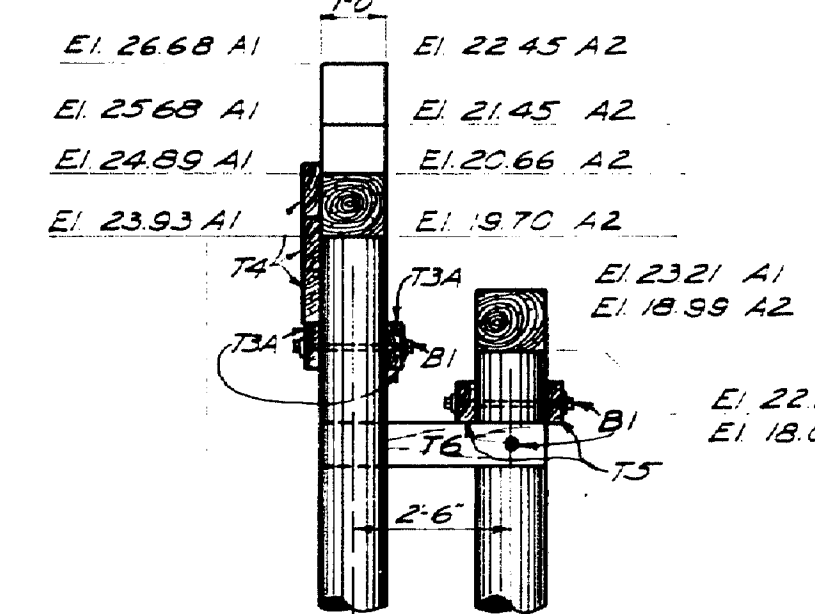


HALF FRONT ELEV. ABUT. 1

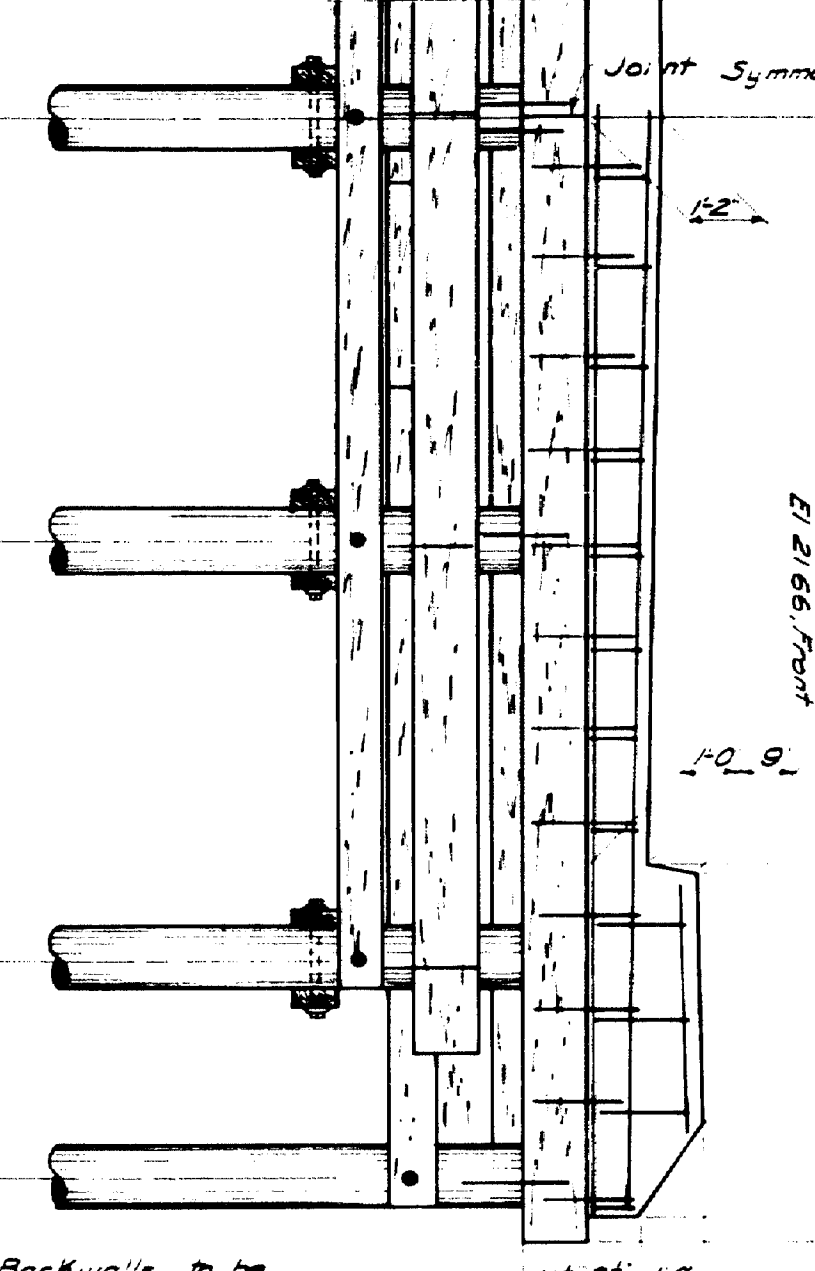
Drift are drift piles. They will be paid for as hardware. A1-4 are reinforcing steel.



SECTION A-A



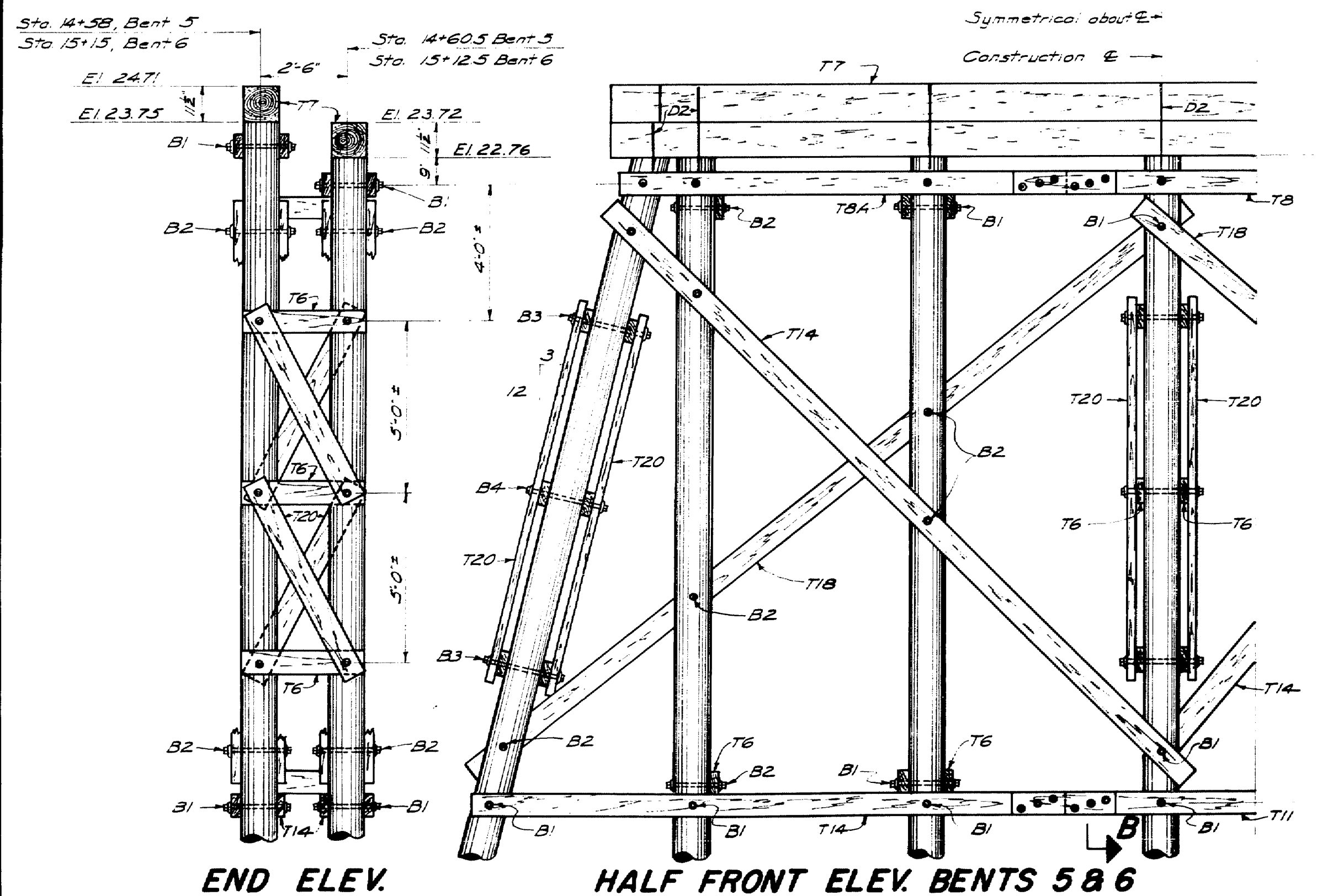
HALF FRONT ELEV. ABUT. 2



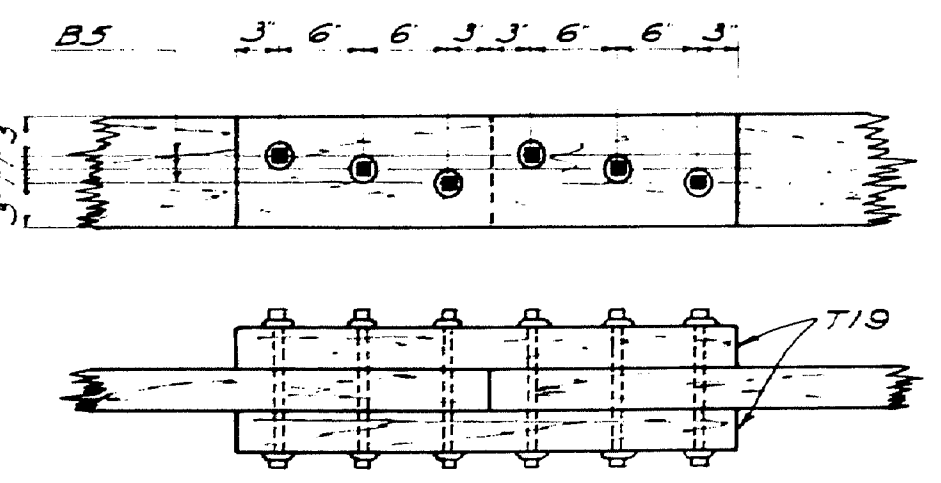
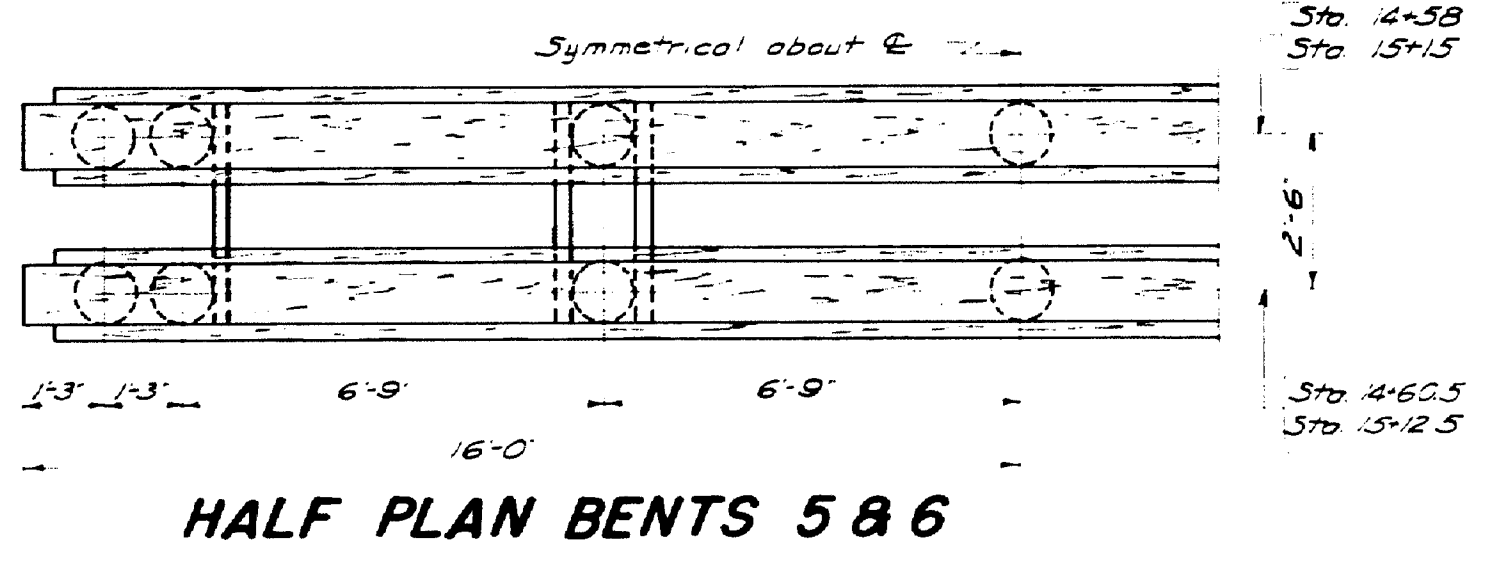
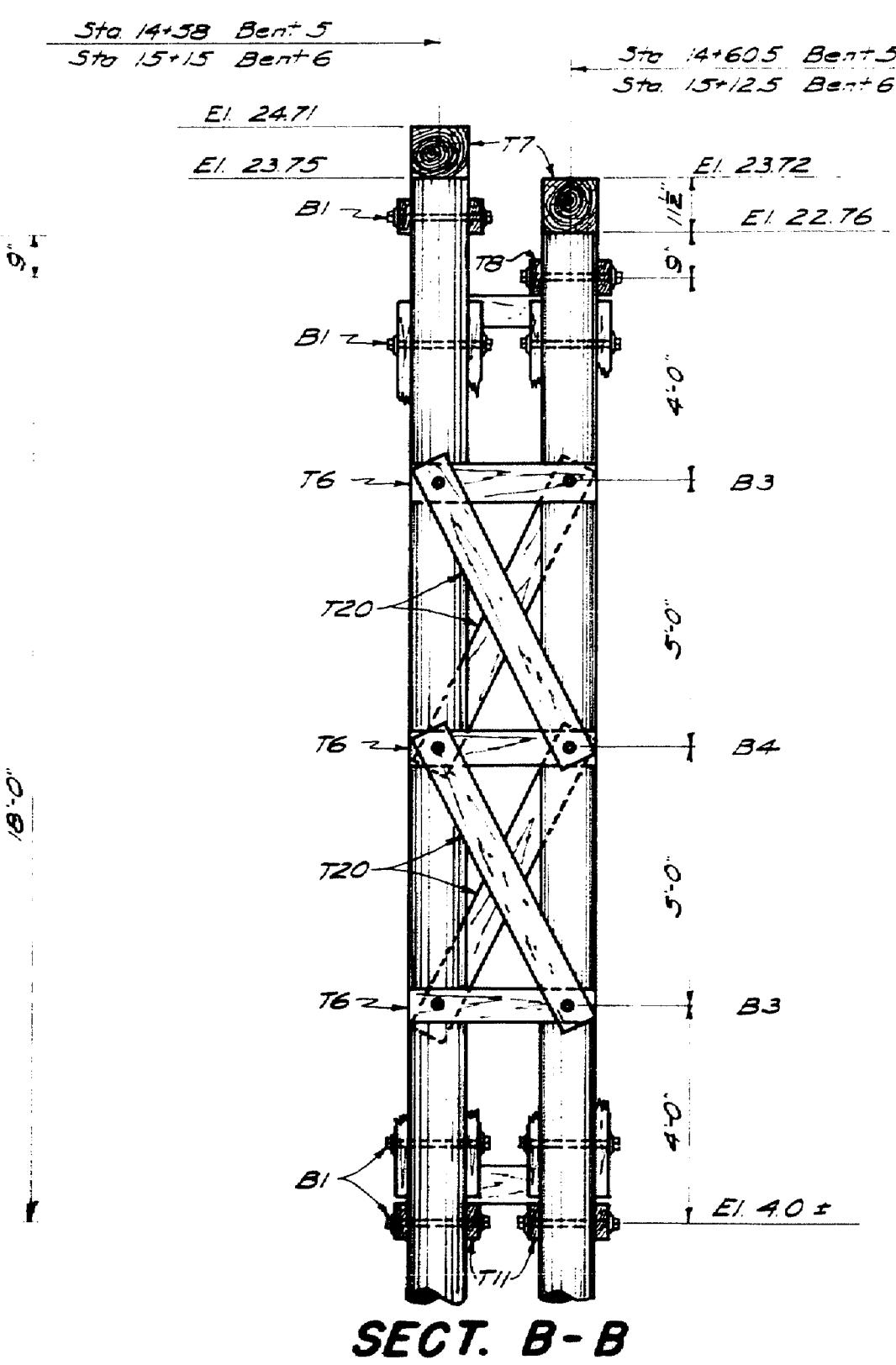
Note: Concrete in Abut. Backwalls to be paid for under Contract Item #701-40 Portland Cem. Conc., Roadway and Sidewalk Slabs on Steel Bridges.

Note: Abut. #2 same as Abut. #1, except for Elevations, see Abut. #1 for details not shown.

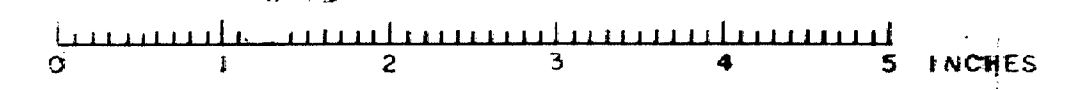
HALF PLAN ABUT. 2

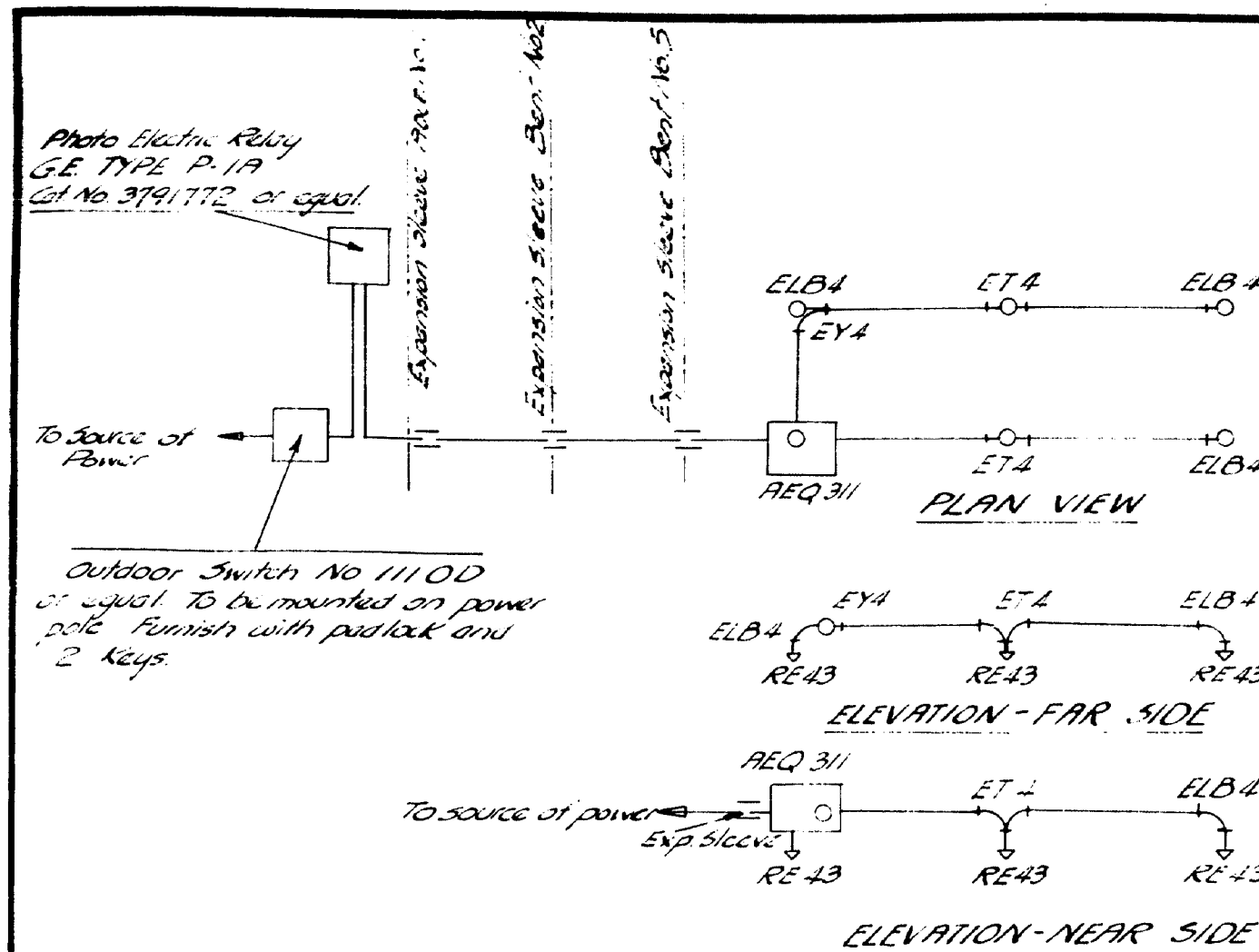


END ELEV.



DESIGN - JOSE	BRIDGE NO. 3202
TRACE - " "	SURVEY -
CHECK - G. J.	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NEW BRIDGE OVER YORK RIVER IN THE TOWN OF YORK YORK COUNTY	
ABUTS. 1 & 2 - BENTS 5 & 6	
SHEET 26 OF 42 AUGUSTA, MAINE APRIL 1956	





CONDUIT LAYOUT

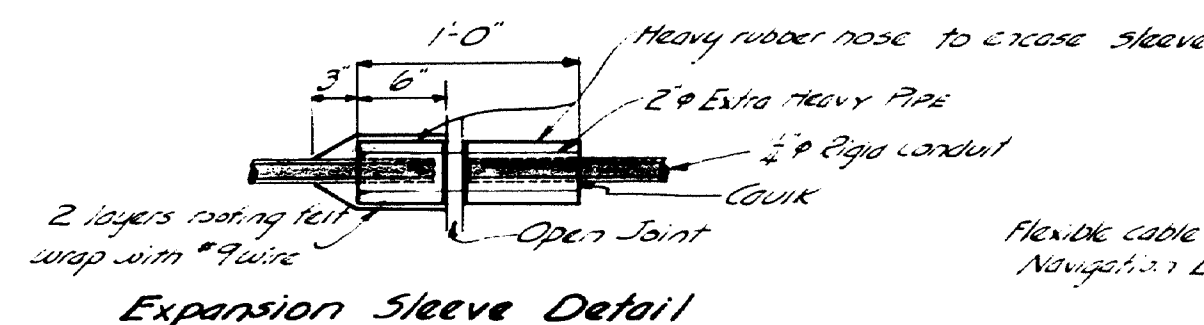
GENERAL NOTES

All conduit fittings are those listed in Wesco Catalog No. 100 and Wesco Rands Catalog #3300. The size listed in catalog number serve only as a guide. Sizes which may be made provided they are equivalent and are approved by the Underwriters Laboratories, Inc.

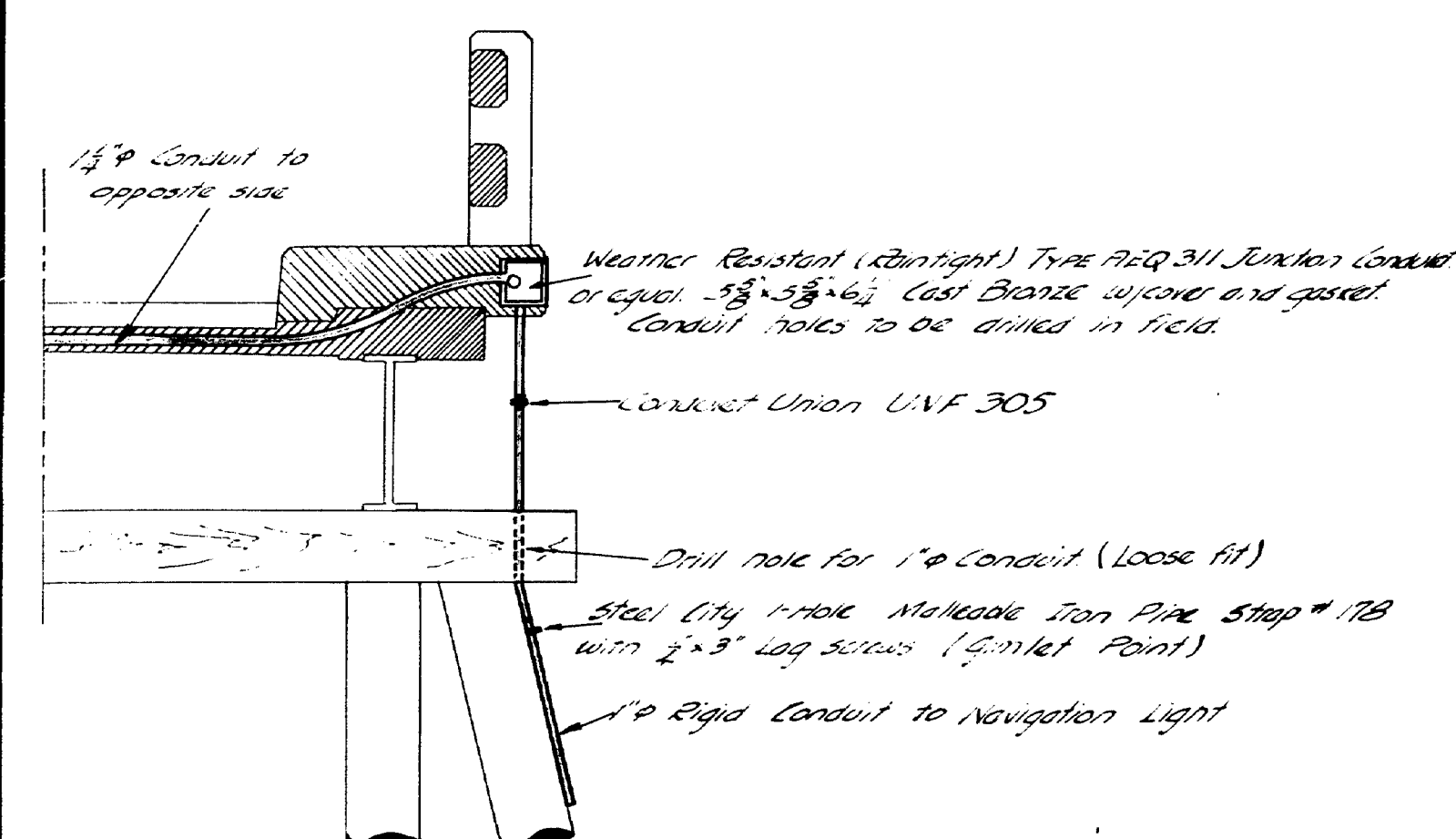
All conduit to be 1/2" and galvanized except where noted. All threads are to be red lead.

A galvanized steel wire #12 gauge shall be installed in each conduit run.

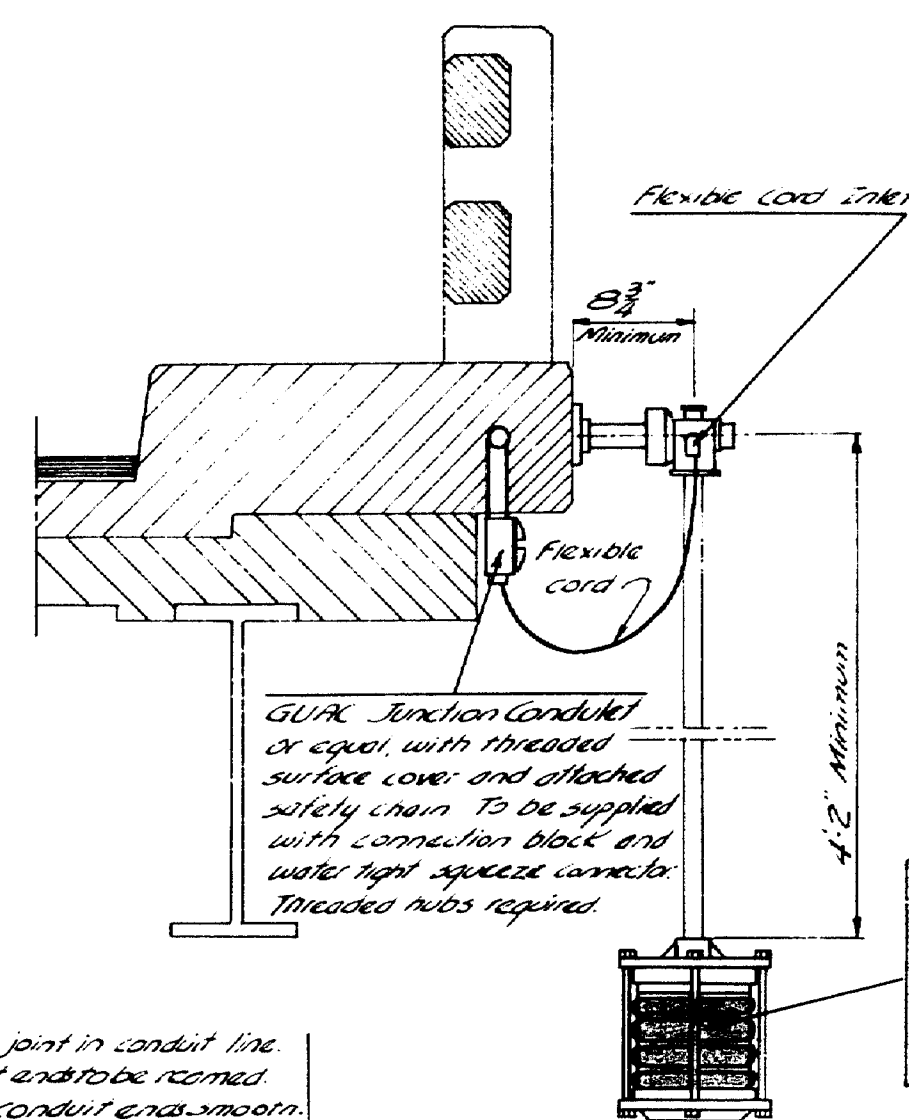
Conduit buried in earth shall be painted with 2 coats of asphaltic paint.



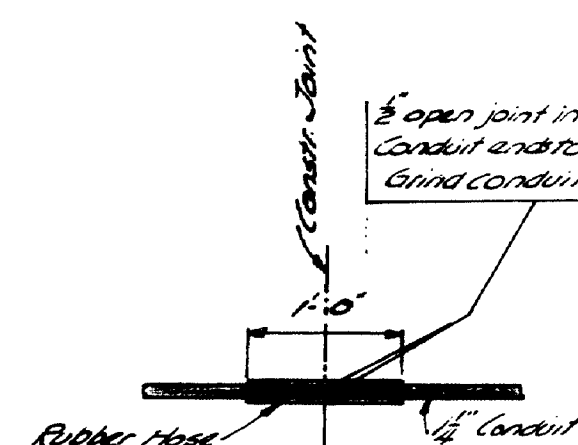
Expansion Sleeve Detail



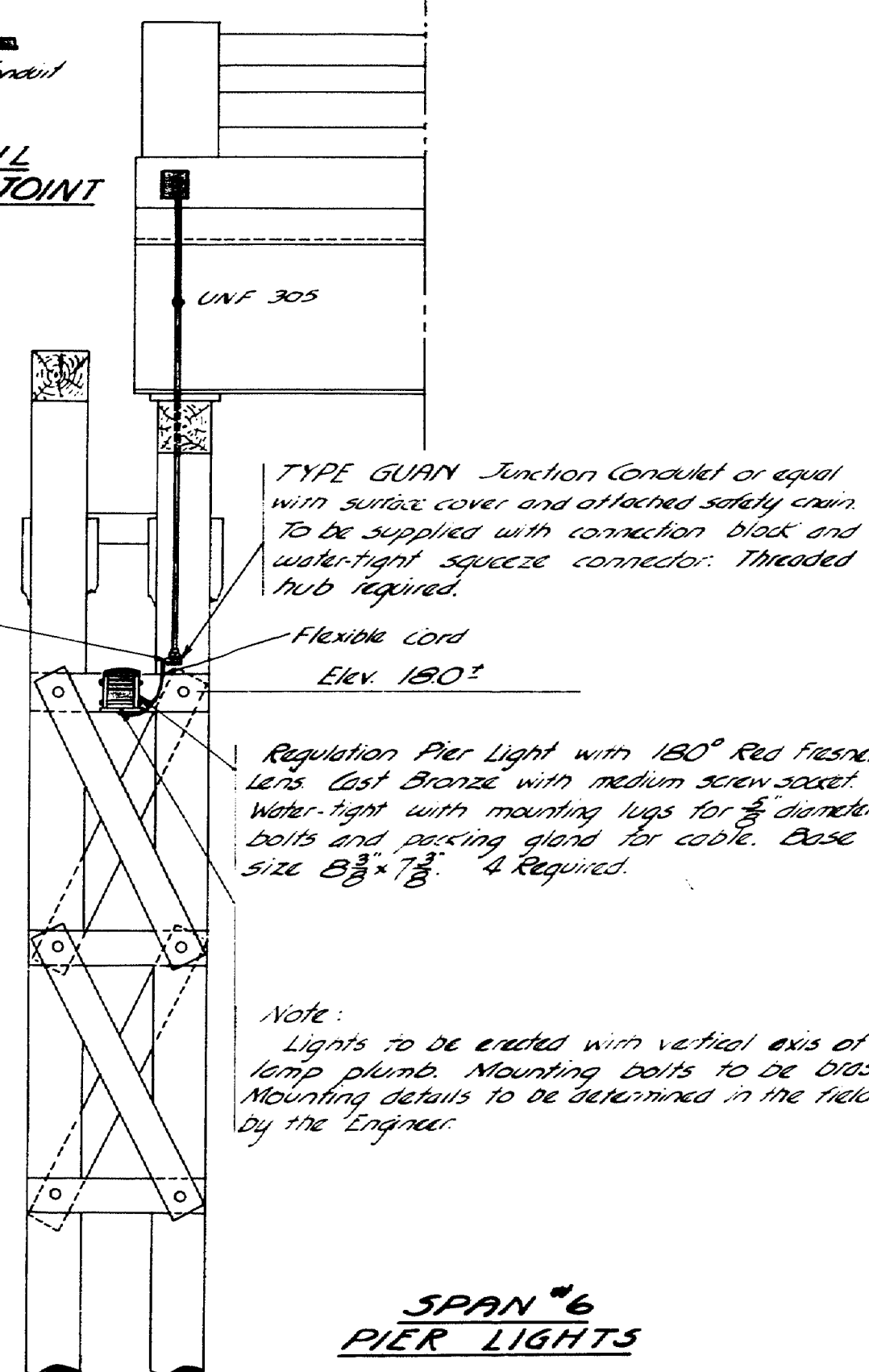
SPAN #6 PIER TRANSVERSE SECTION AT JUNCTION BOX



SPAN #6 MID-CHANNEL LIGHTS



CONDUIT DETAIL AT CONSTRUCTION JOINT



SPAN #6 PIER LIGHTS

BOLT SCHEDULE					
Mark	Size	No	Length	Type	Washers
*B1	1/2"	470	1'-9"	Mach	2, cast
*B2	"	344	1'-6"	"	"
*B3	"	72	2'-0"	"	"
*B4	"	36	2'-6"	"	"
B5	"	552	1'-0"	"	"

All bolts to be galvanized.
* Lengths for estimate only.
Note: Actual lengths to be determined after piles have been delivered.

Note: Bolt & Drift Pin Schedules show the exact amount required, no extras provided.

Regulation Mid-Channel Span Light Mounting. Cast Bronze. Medium screw socket. 360° Green Fresnel Lens. Pipe to be 2" Brass. 2" Required.

Mounting details to be determined in the field by the Engineer.

DRIFT PINS			
Mark	Size	No	Length
D1	1/2"	48	1'-6"
D2	1"	192	2'-0"

All drift pin points tapered to 1/4" diameter, minimum.

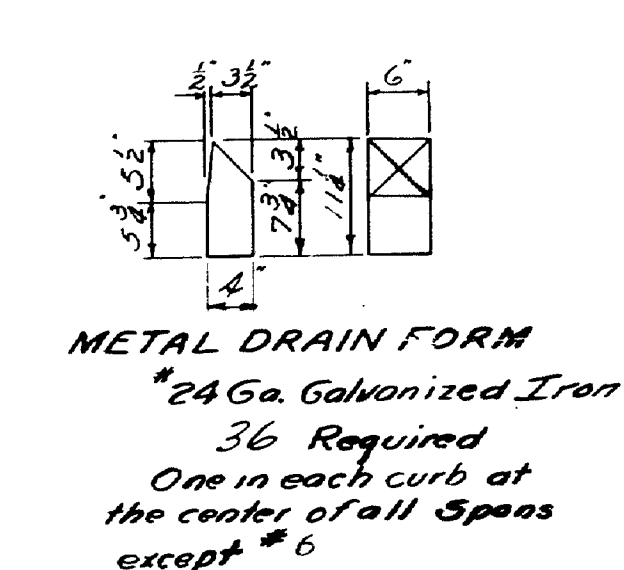
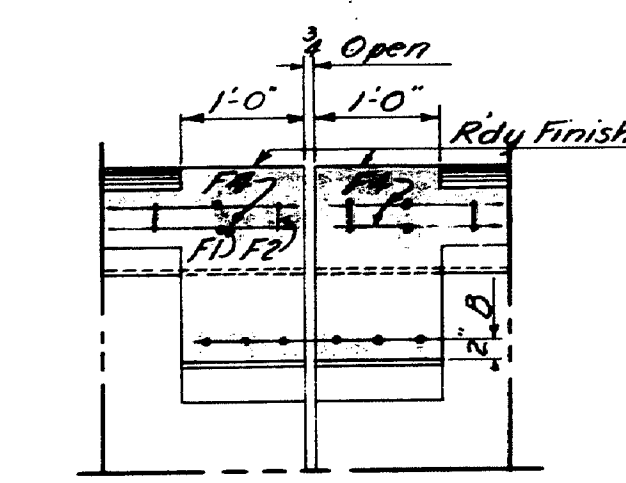
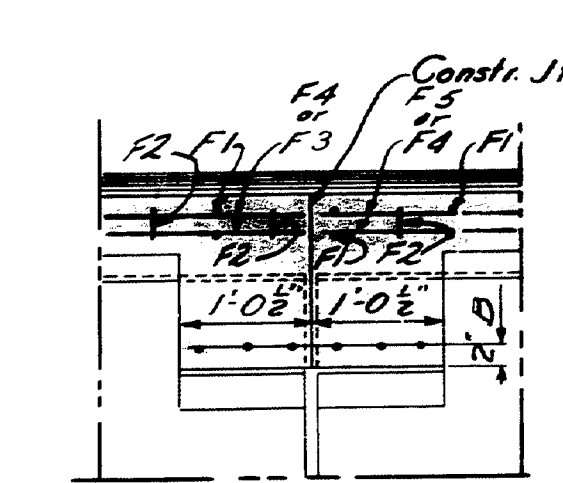
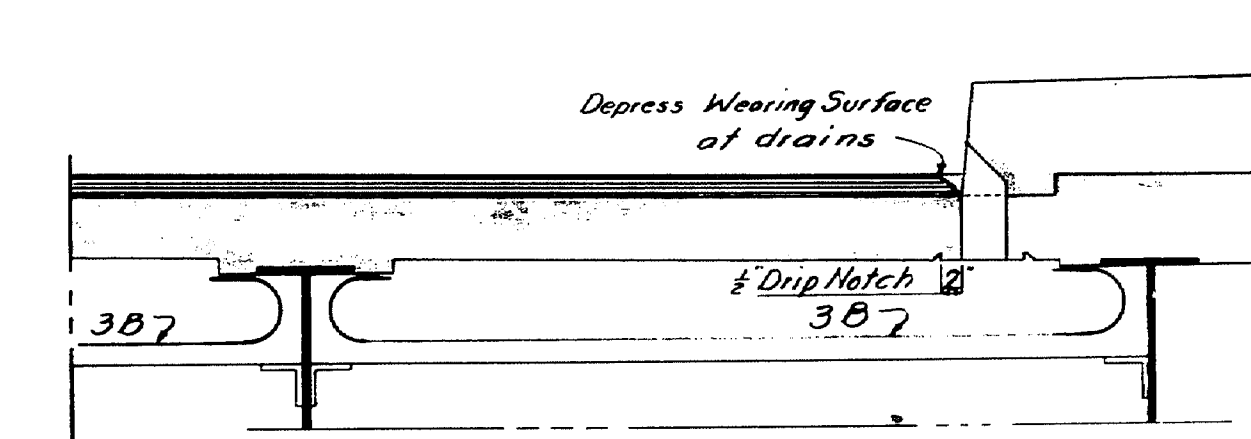
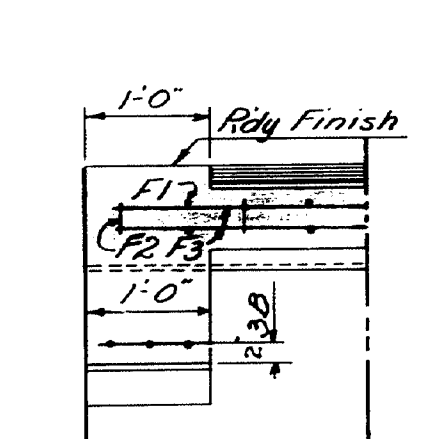
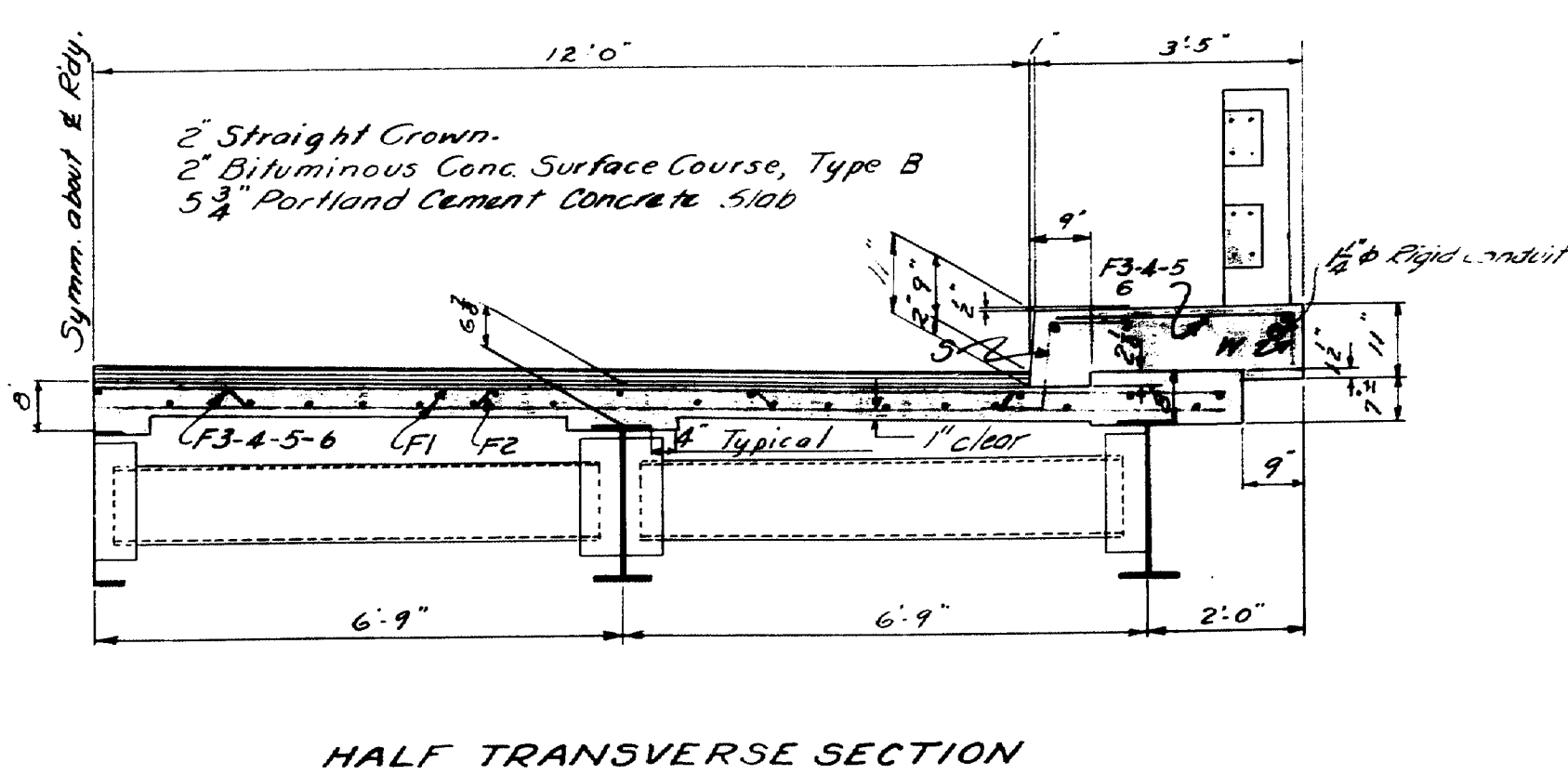
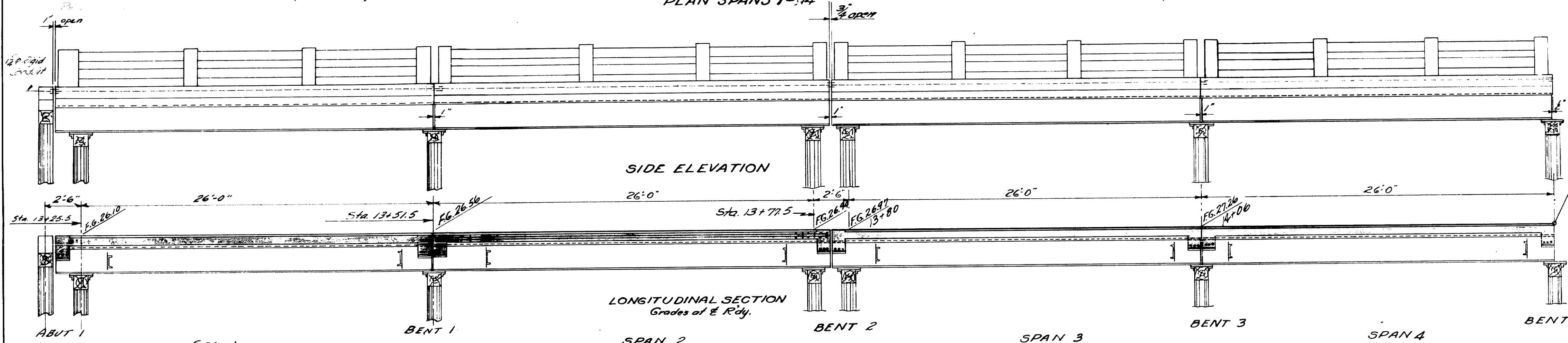
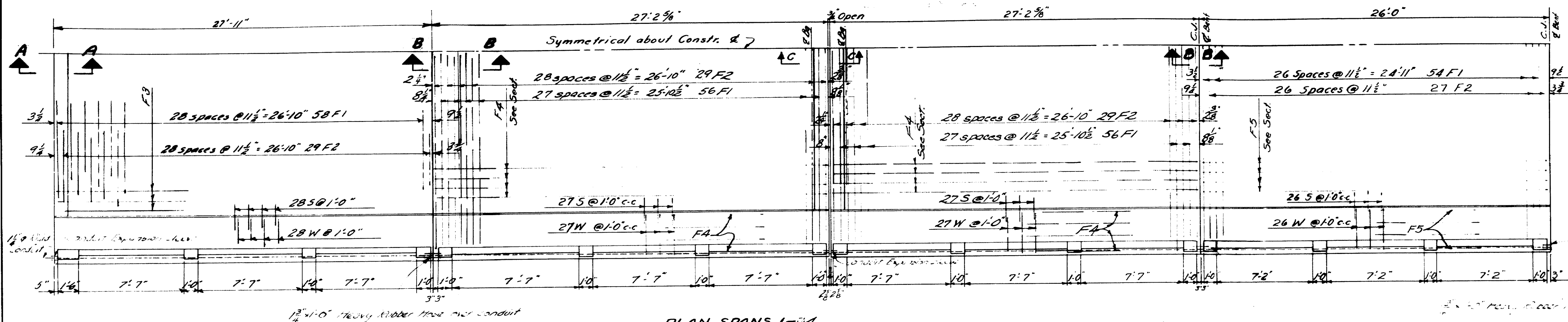
PILE SCHEDULE		
No	Est Length	Location
19	45'	Abut 1 & Bent 1
12	50'	Abut 2
21	50'	Bents 15 & 16
45	65'	Bents 2, 9, 10, & 14
31	70'	Bents 8, 11, & 12
14	75'	Bents 3 & 13
20	80'	Bents 4 & 7
28	85'	Bents 5 & 6

Note: Pile butt diameters shall be in accordance with Sect 708, Standard Specifications except as follows:
Bents 1, 3, 4, 5, 6, 7, 8, 10, 11 - min. 16"
Bents 13, 14, 16 - min. 14"

TIMBER SCHEDULE					
Mark	No	Ord Size	Fin Size	Length	Location
T1	4	12 x 12	11 1/2 x 12	18'-0"	Abut backwalls
T2	2	"	"	30'-0"	bridge seats
T7	22	"	"	32'-0"	All bent "
T4	6	4 x 10	4 x 10	35'-0"	Abut backwalls
T3	4	3 x 8	3 x 8	20'-0"	bracing
T3A	4	"	"	15'-0"	"
T5	4	"	"	28'-0"	"
T6	200	"	"	3'-6"	Abut & bent bracing
T8	44	"	"	18'-0"	All bents, bracing
T8A	44	"	"	12'-0"	"
T9	16	"	"	23'-0"	Bents 4, 7, 8, 10, 12, & 16, bracing
T10	16	"	"	22'-0"	Bents 2, 13, 14, 15, bracing
T11	38	"	"	17'-0"	Bents 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, bracing
T12	6	"	"	16'-0"	Bents 15, & 16, bracing
T13	6	"	"	21'-0"	Bents 15 & 16, bracing
T14	50	"	"	23'-3"	Bents 2, 4, 5, 6, 7, 8, 9, 10, 11, bracing
T15	6	"	"	24'-0"	Bents 3, 15, bracing
T16	4	"	"	25'-0"	Bents 13 & 14, bracing
T17	12	"	"	26'-0"	Bents 4, 7, 8, 10, & 12, bracing
T18	22	"	"	27'-0"	Bents 1, 3, & 11, bracing
T19	184	"	"	3'-0"	Splices
T20	48	"	"	6'-6"	Bents 2, 5, 6, & 9, bracing
T21	24	"	"	5'-6"	Bents 12, 15, bracing

Note: All timber to be pressure treated.
T4 may be ordered in lengths to make up the length shown with a joint or joints at the center of a pile.
To avoid cutting timbers after being pressure treated, dimensions and elevations of bracing may be varied slightly in erection.

DESIGN - JOSE	BRIDGE NO. 3202
CHECK - G. J. J. (Main Ltr. & Notes)	SURVEY PLOT
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NEW BRIDGE OVER YORK RIVER IN THE TOWN OF YORK YORK COUNTY	
TIMBER, BOLT & PILE SCHEDULE DETAIL FOR NAVIGATION LIGHTS	
SHEET 28 OF 42 AUGUSTA, MAINE APRIL 1956	



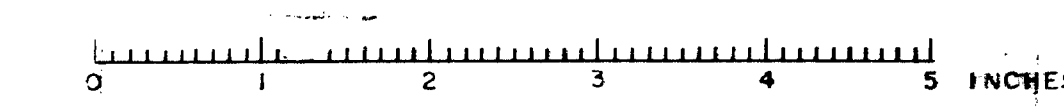
SPECIFICATIONS
State Highway Commission Standard Specifications, Revision of Jan 1956.

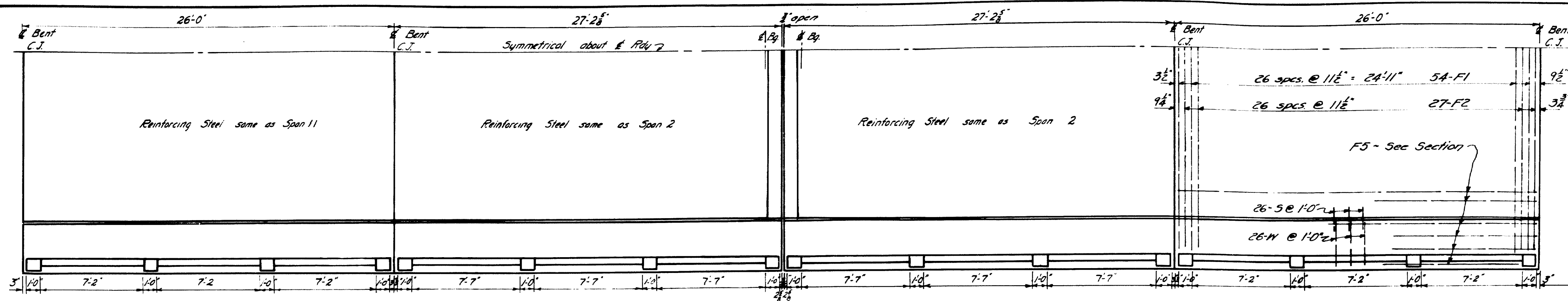
DESIGN
Loading H 20-44 S 18000 ft. 1200 n. 10

CONCRETE CLASSIFICATION
Class A - Superstructure Slab, Abutment
Backwall Caps and Approach Curbs.
Class Y - Rail.

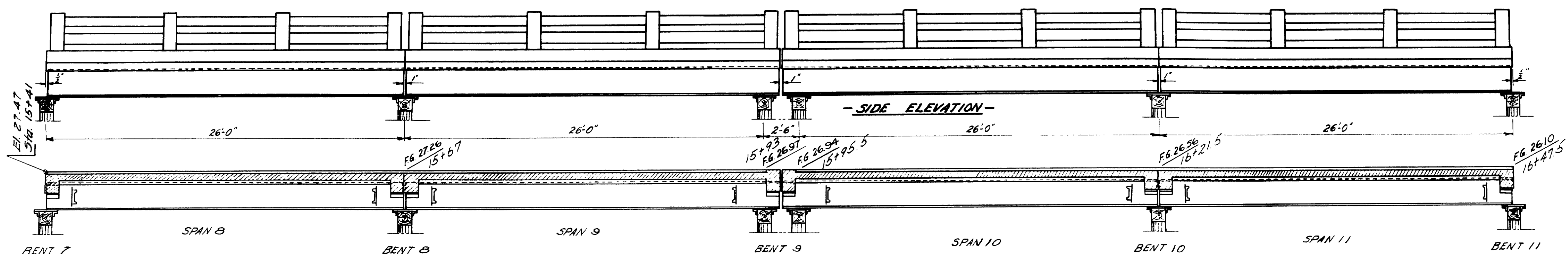
DESIGN - ALLEN CHECK - ABR (Nov 1954) TRACE - SAVAGE	BRIDGE - 3202
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NEW BRIDGE OVER YORK RIVER IN THE TOWN OF YORK YORK COUNTY	
SUPERSTRUCTURE SPANS 1 TO 4	
SHEET 23 OF 42 AUGUSTA, MAINE. JAN 1955	

Revised April 1956

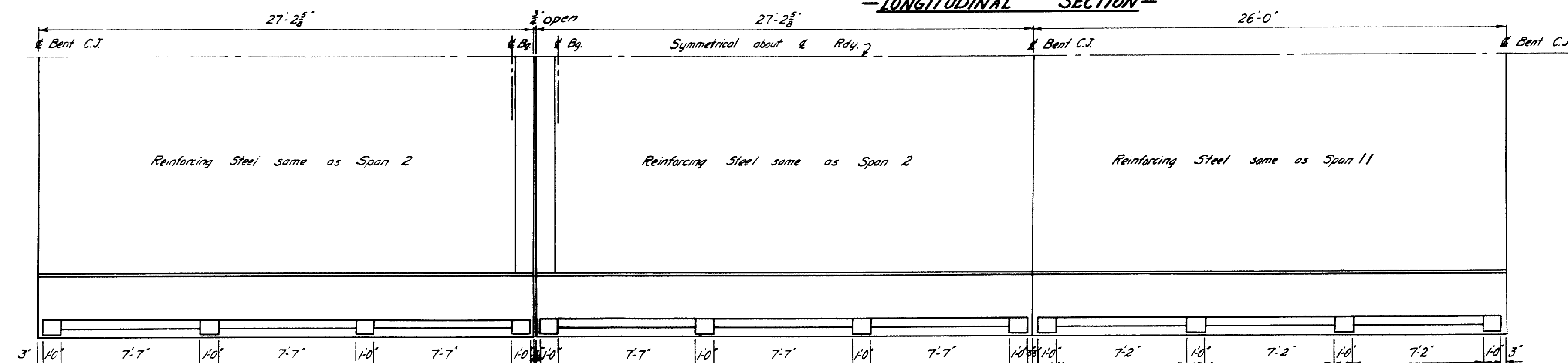




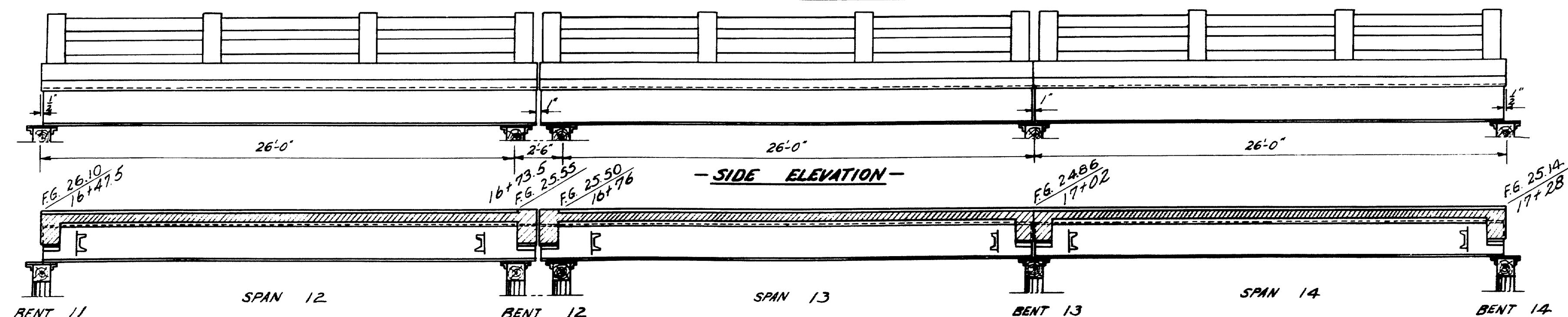
- PLAN SPANS 8-11 -



- LONGITUDINAL SECTION -



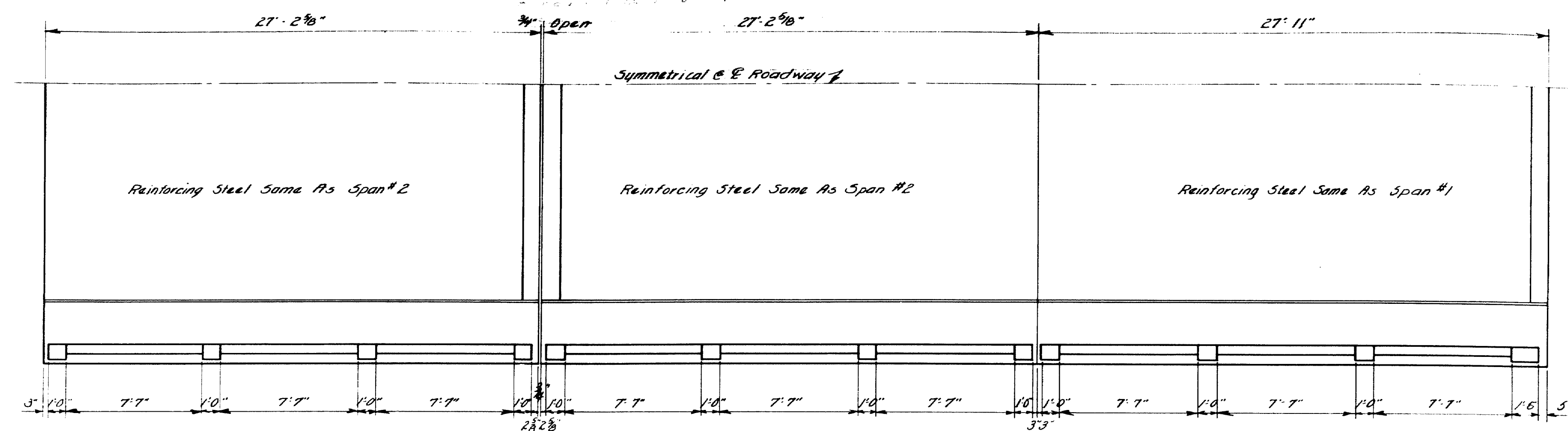
- PLAN SPANS 12-14 -



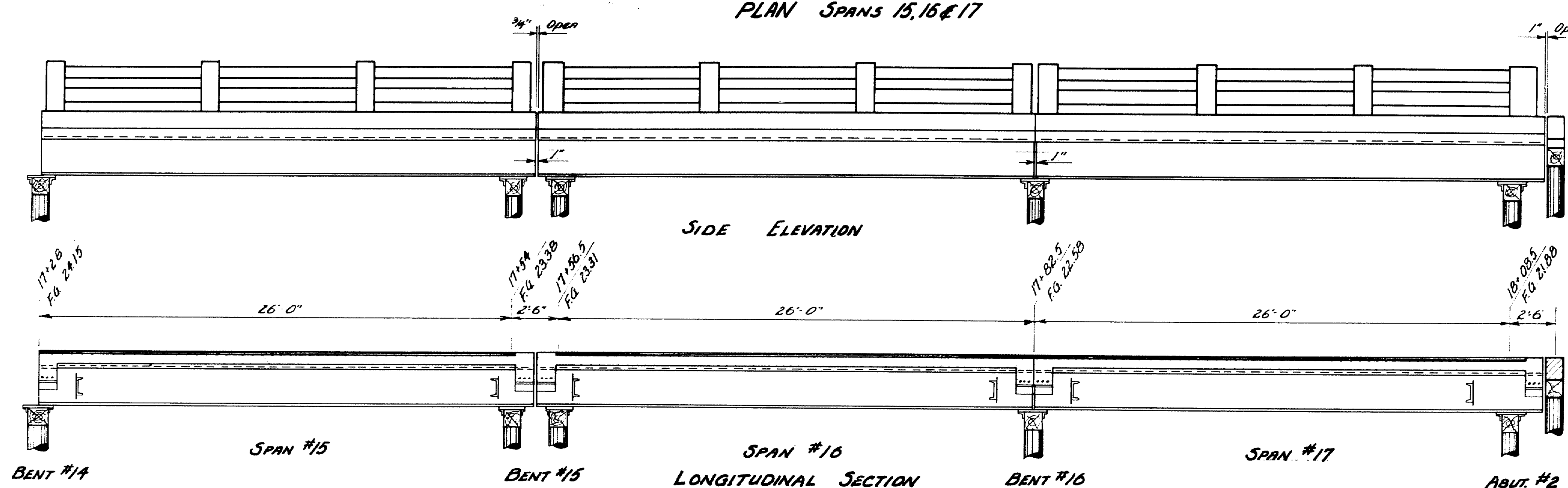
- LONGITUDINAL SECTION -

DESIGN - ALLEN TRACE - FOSTER CHECK - R.B.E.	BRIDGE - 3202
STATE HIGHWAY COMMISSION BRIDGE DIVISION NEW BRIDGE OVER YORK RIVER IN THE TOWN OF YORK COUNTY SUPERSTRUCTURE SPANS 7 TO 14 SHEET 31 OF 42 AUGUSTA, MAINE JAN. 1955	

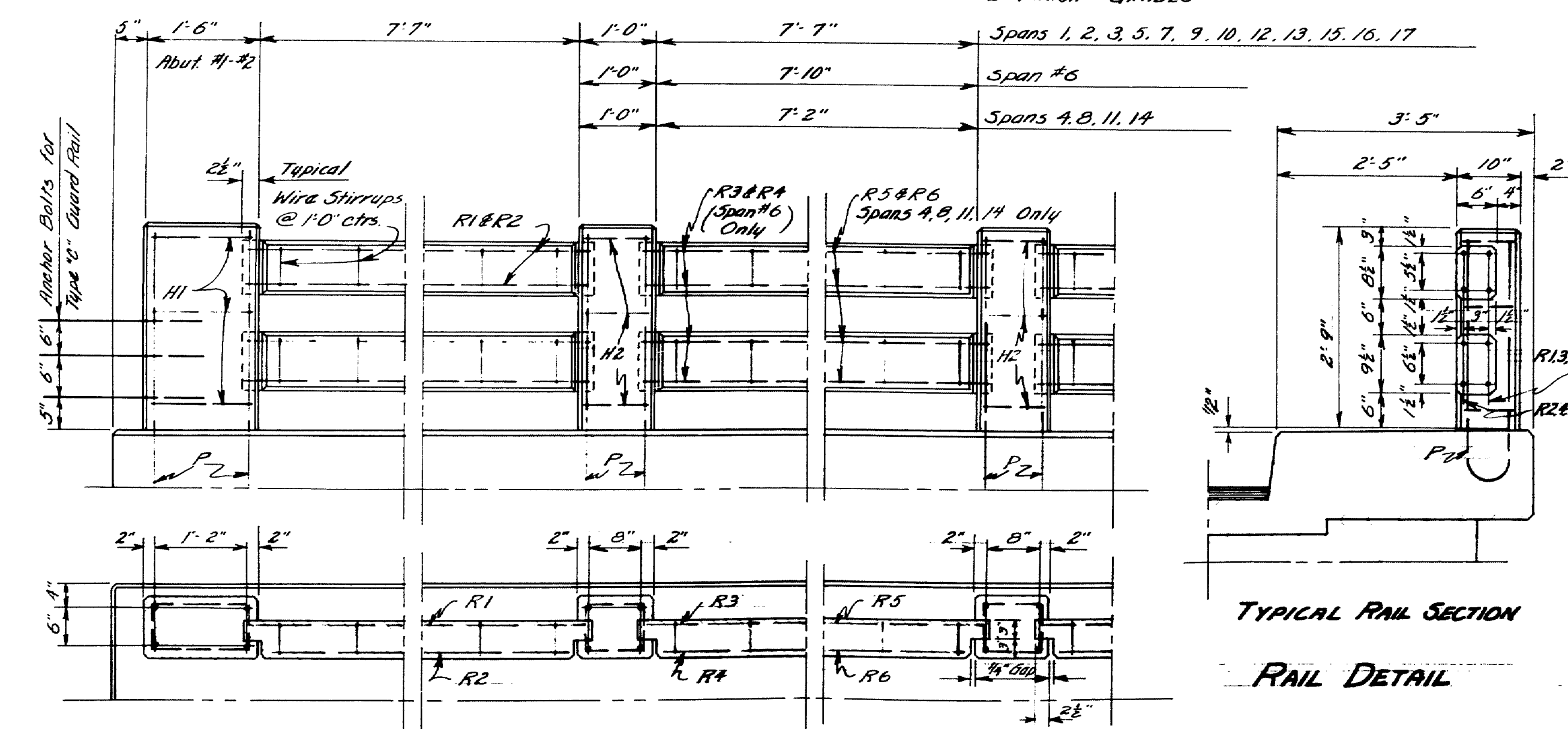
Revised April 1956



PLAN SPANS 15, 16 & 17



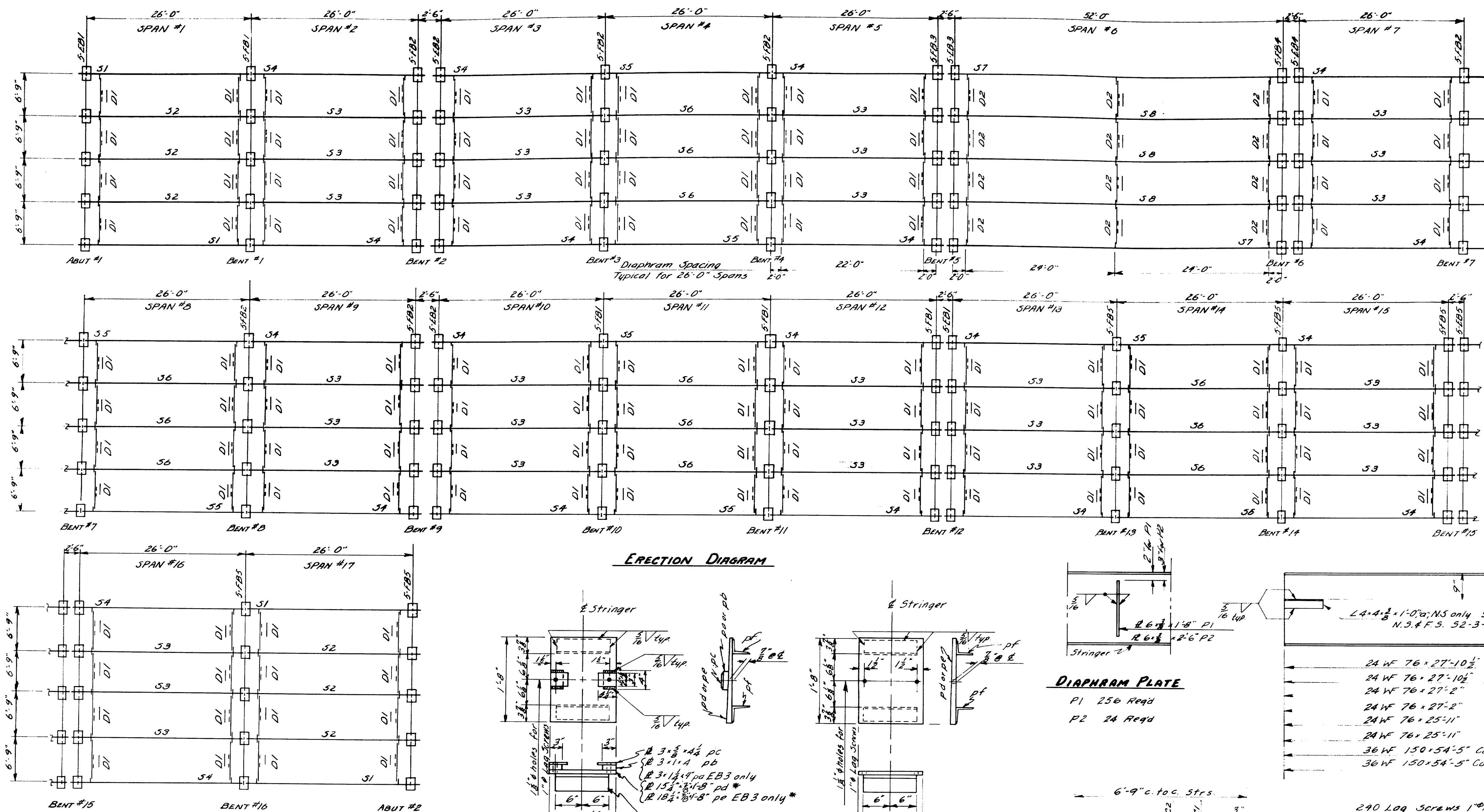
LONGITUDINAL SECTION
& FINISH GRADES



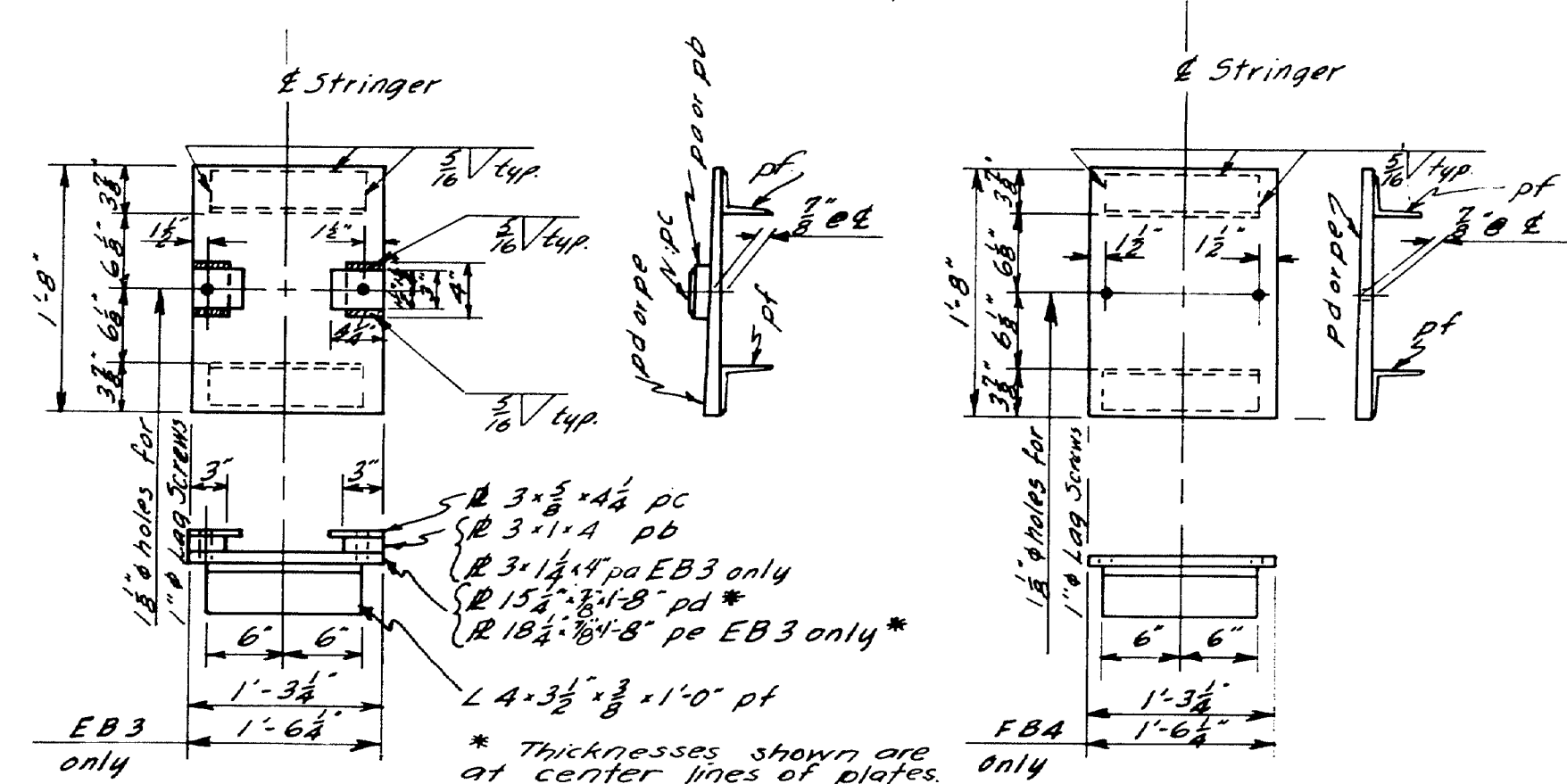
TYPICAL RAIL SECTION
RAIL DETAIL

Sidewalk to be cast after slab concrete has become properly set and with post bars P in position. Rail bars are to be precast and set in position with the ends projecting into the post forms 2 1/2". Wrap the long ends with two layers of heavy roofing. The wire stirrups are to be made from a single strand of #9 annealed wire, making a complete turn around each bar. Chamfer all exposed edges of concrete 1/4 inch.

REINFORCING STEEL									
BENT BARS									
MARK	SIZE	NO.	LENGTH	LOCATION	MARK	SIZE	NO.	LENGTH	LOCATION
P	#6	289	6'-11"	All Rail Posts	A3	#3	36	3'-4"	Abut. Backwalls
B	#7	408	8'-1"	End Diaphragms	A4	#3	12	4'-10"	"
F2	#5	512	30'-0"	Slab, All Spans	H1	#3	12	4'-1"	End Rail Posts
S	#4	970	3'-2"	Curb	H2	#3	14	3'-1"	Int.
W	#4	970	3'-10"	3 W. All Spans					
STRAIGHT BARS									
F1	#5	1006	29'-2"	Slab, All Spans	R1	#4	288	7'-11"	Rail Bars
F3	#4	100	27'-7"	" Spans 1, 2, 3, 5, 7, 9, 10, 12, 13, 15, 16, 17	R2	#4	288	7'-5"	"
F4	#4	530	26'-10"	" See Plan	R3	#4	48	8'-2"	"
F5	#4	212	25'-8"	"	R4	#4	48	7'-8"	"
F6	#4	106	27'-6"	" Span #6	R5	#4	96	7'-6"	"
A1	#5	16	18'-0"	Abut. B' walls spl.	R6	#4	96	7'-0"	"
A2	#5	8	3'-9"	"	C	#4	16	19'-6"	Approach Curbs



ERECTION DIAGRAM



EXPANSION BEARING PLATES

- EB1 - 10 Req'd
- EB2 - 10 Req'd
- EB3 - 5 Req'd
- EB4 - 5 Req'd
- EB5 - 5 Req'd

FIXED BEARING PLATES

- FB1 - 20 Req'd
- FB2 - 30 Req'd
- FB3 - 5 Req'd
- FB4 - 5 Req'd
- FB5 - 25 Req'd

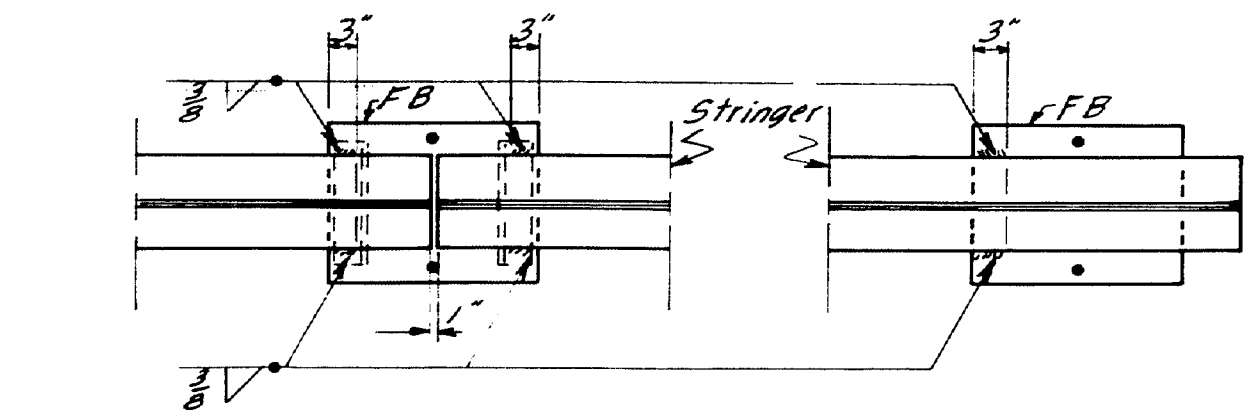
MARK	BEVELS OF R2, PD OR PE
EB1, FB1	1/4" inch per foot
EB2, FB2	1/4" inch per foot
EB3, FB3, EB4, FB4	none
EB5, FB5	3/8" inch per foot

DIAPHRAGM PLATE

- P1 256 Req'd
- P2 24 Req'd

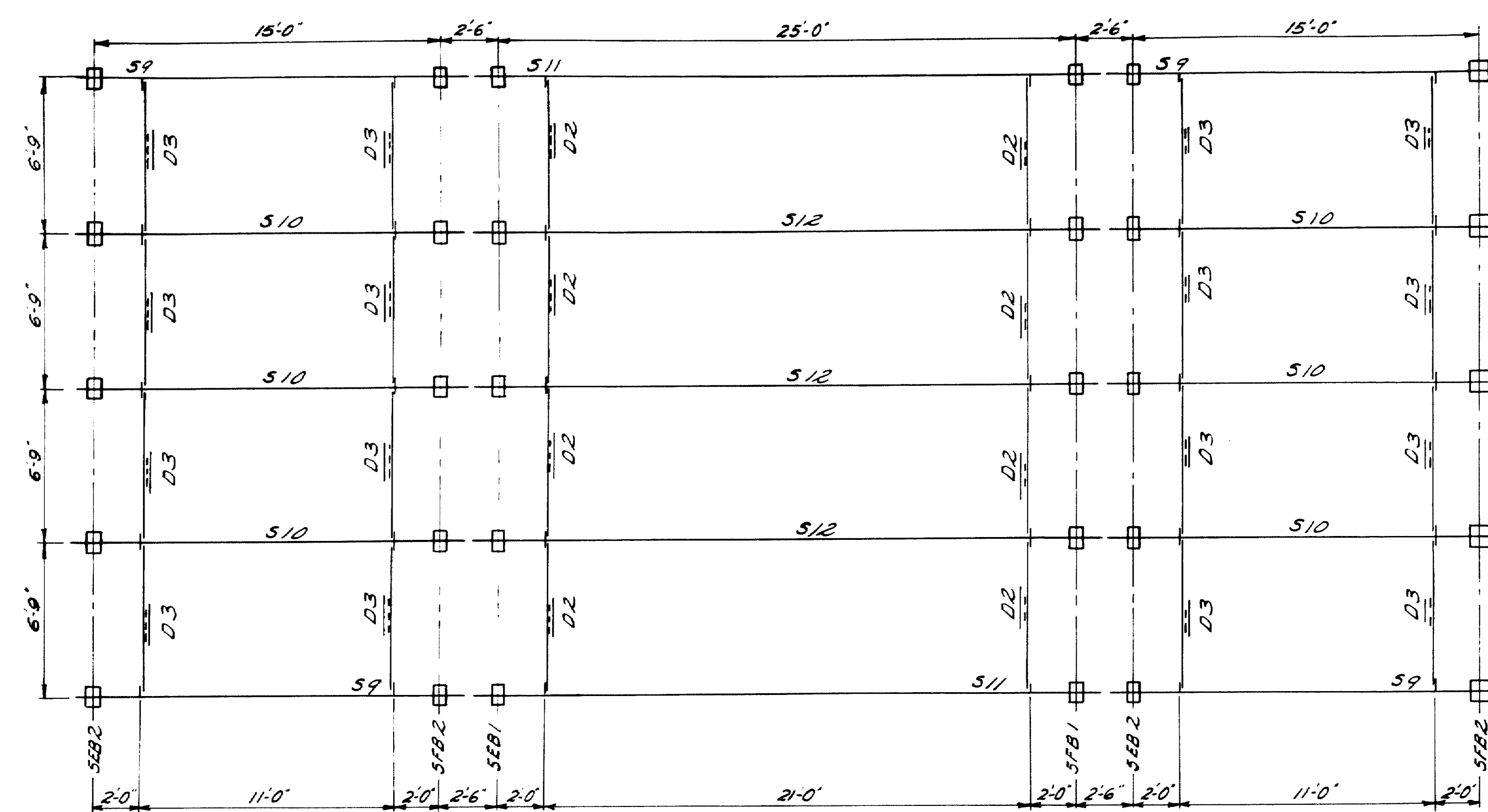
24 WF 76 x 27-10 1/2"	A Req'd	S1
24 WF 76 x 27-10 1/2"	6 Req'd	S2
24 WF 76 x 27-2"	30 Req'd	S3
24 WF 76 x 27-2"	20 Req'd	S4
24 WF 76 x 25-11"	8 Req'd	S5
24 WF 76 x 25-11"	12 Req'd	S6
36 WF 150 x 54-5" Cumber 1 1/4"	2 Req'd	S7
36 WF 150 x 54-5" Cumber 1 1/4"	3 Req'd	S8

240 Log Screws 1" x 0" x 10" Required.

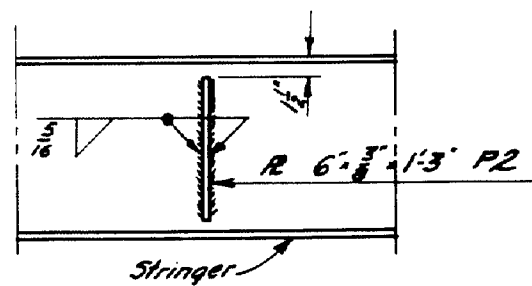
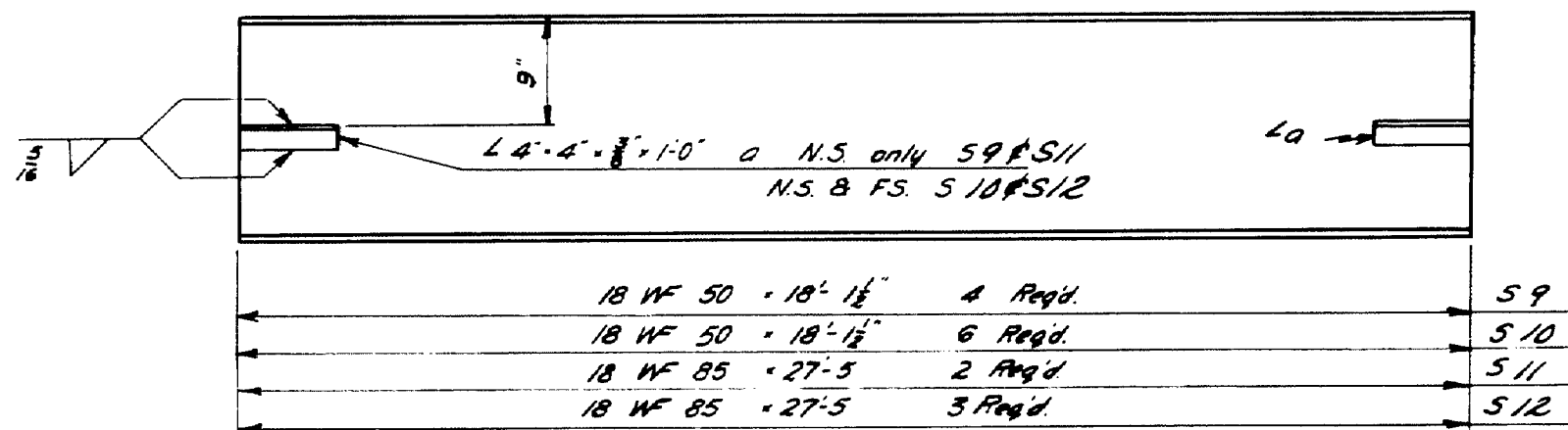


STRINGER WELDING AT FIXED BEARINGS

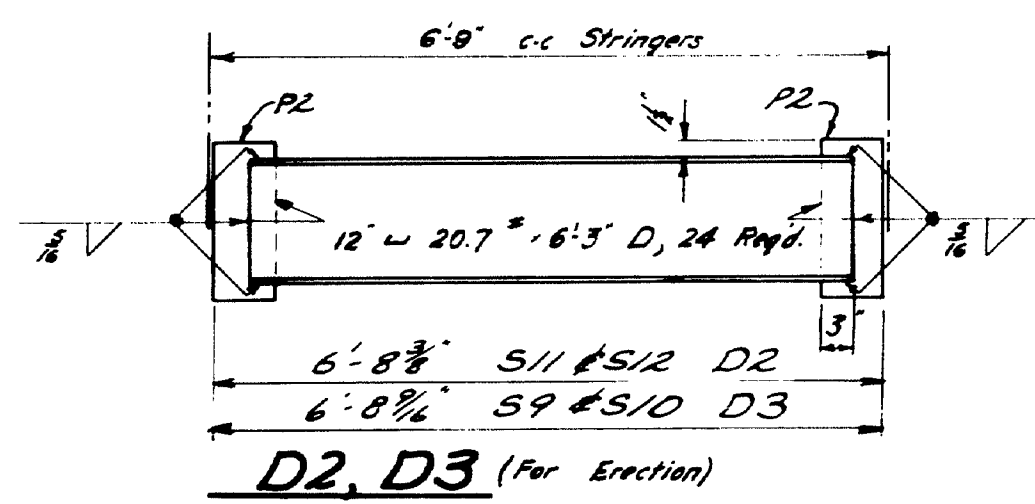
DESIGN - SHAILER	BRIDGE NO. 3202
TRACE - SHAILER	SURVEY -
CHECK - SHAILER	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NEW BRIDGE OVER YORK RIVER IN THE TOWN OF YORK YORK COUNTY	
STEEL DETAILS	
SHEET 33 OF 42 AUGUSTA, MAINE APRIL 1956	



~ ERECTION DIAGRAM ~

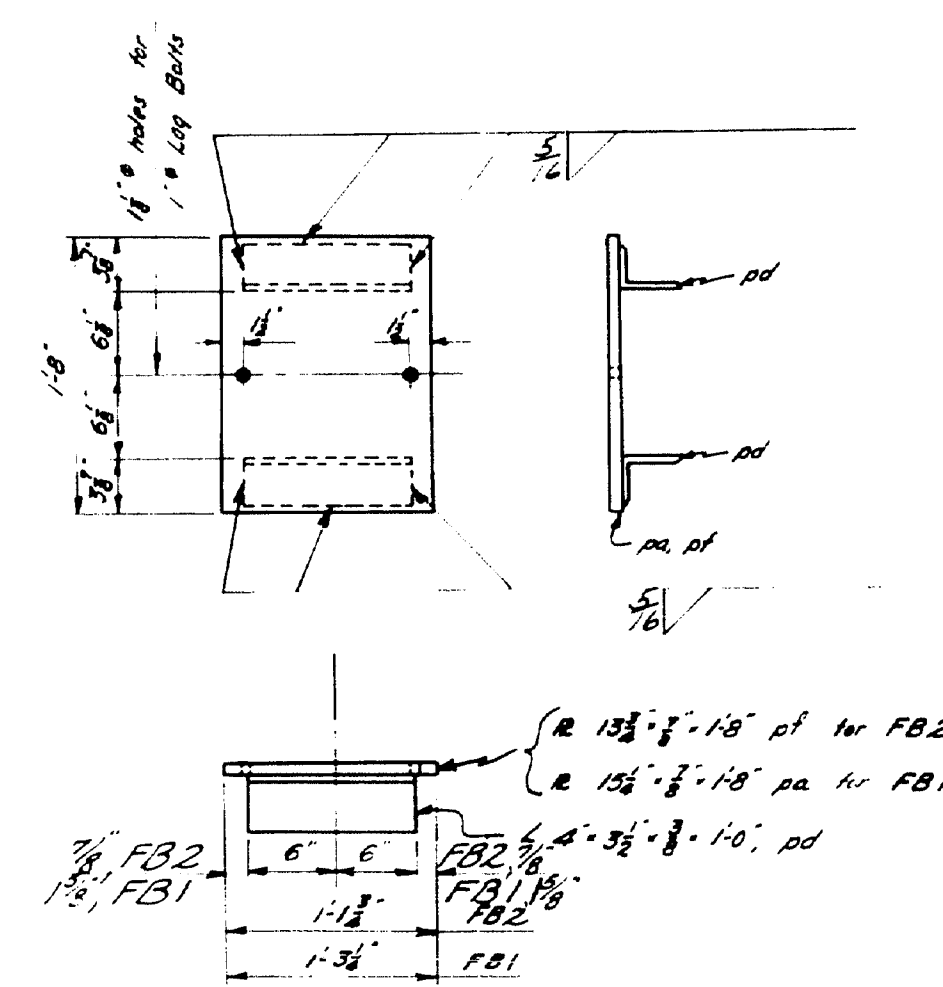


~ DIAPHRAGM PLATE ~
48 Req'd



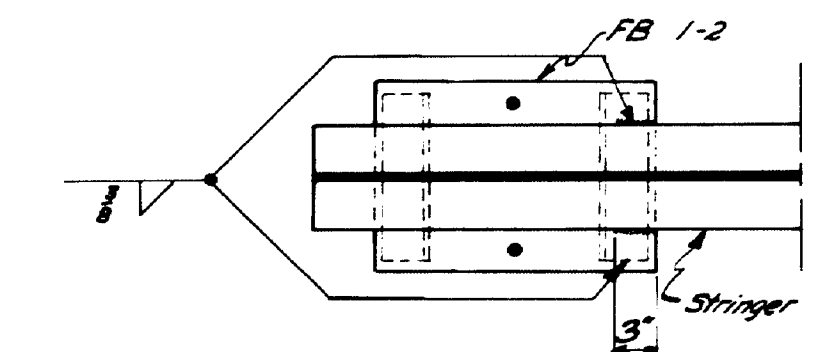
~ EXPANSION BEARING ~

EB 1 - 5 Req'd
EB 2 - 10 Req'd



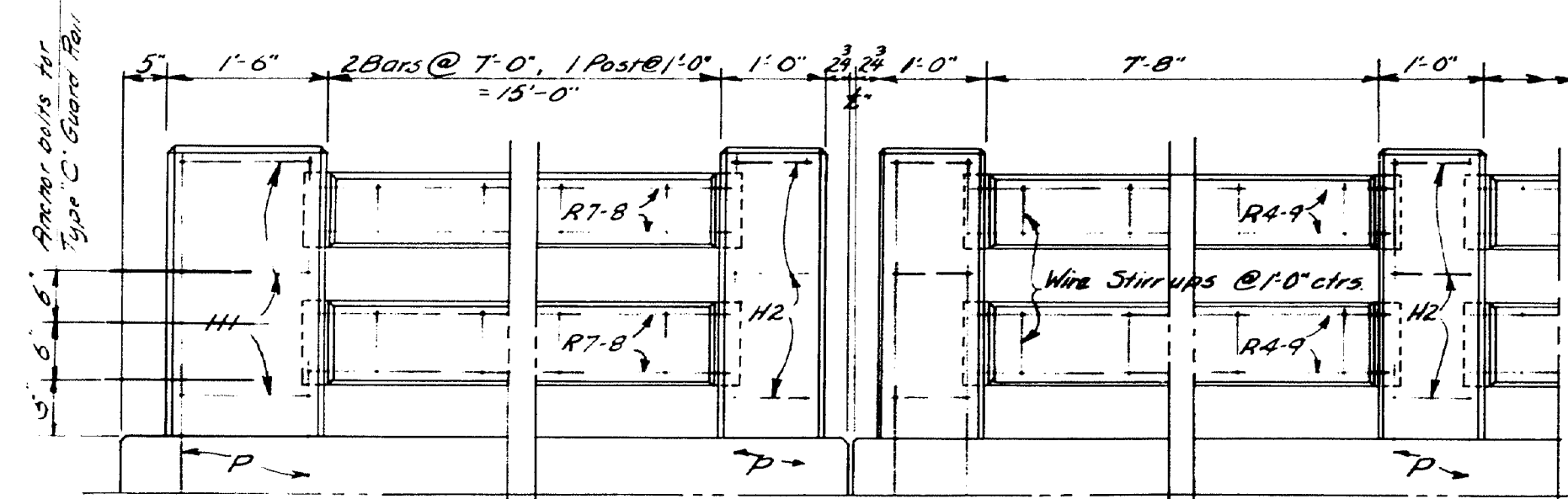
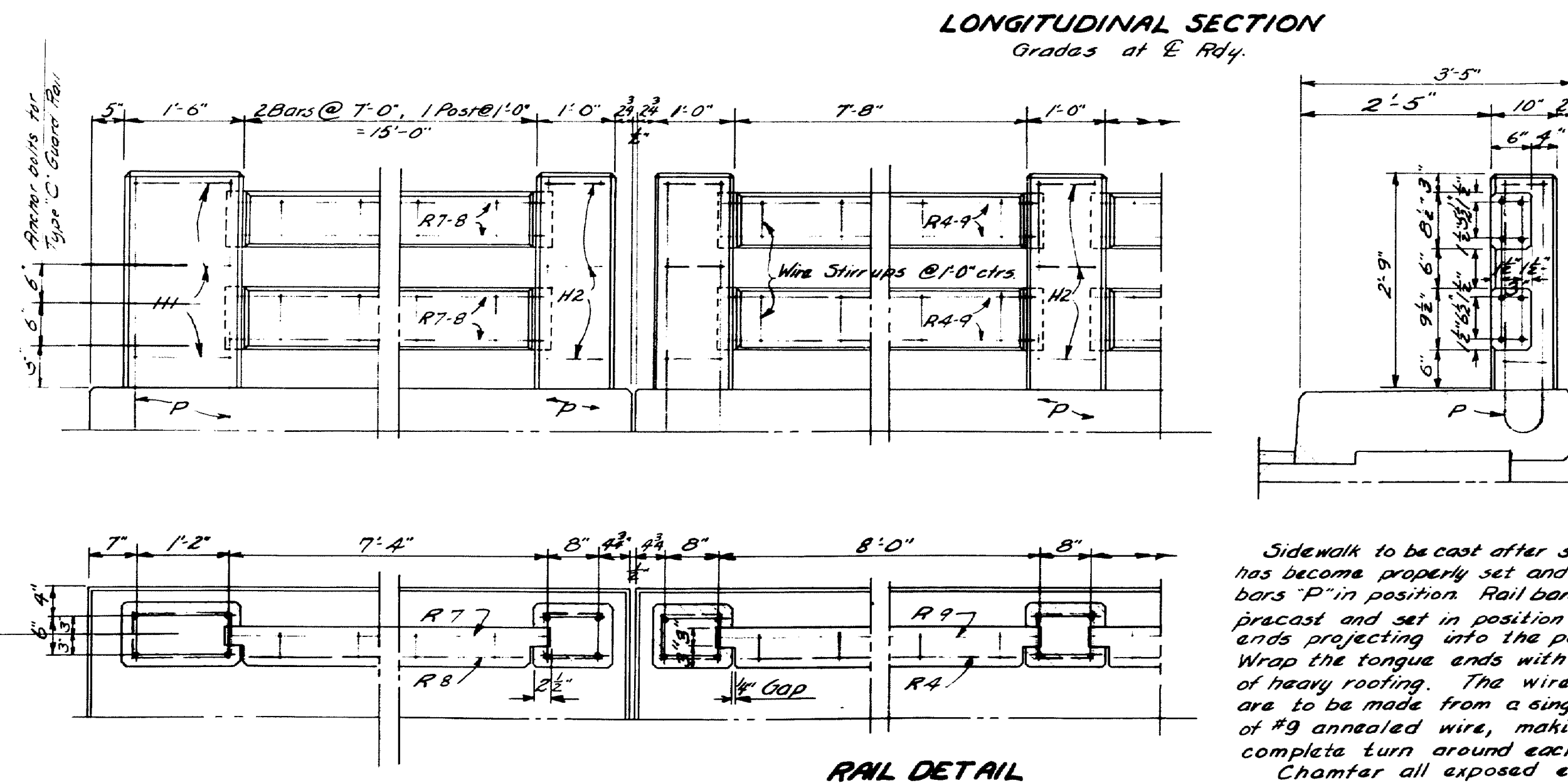
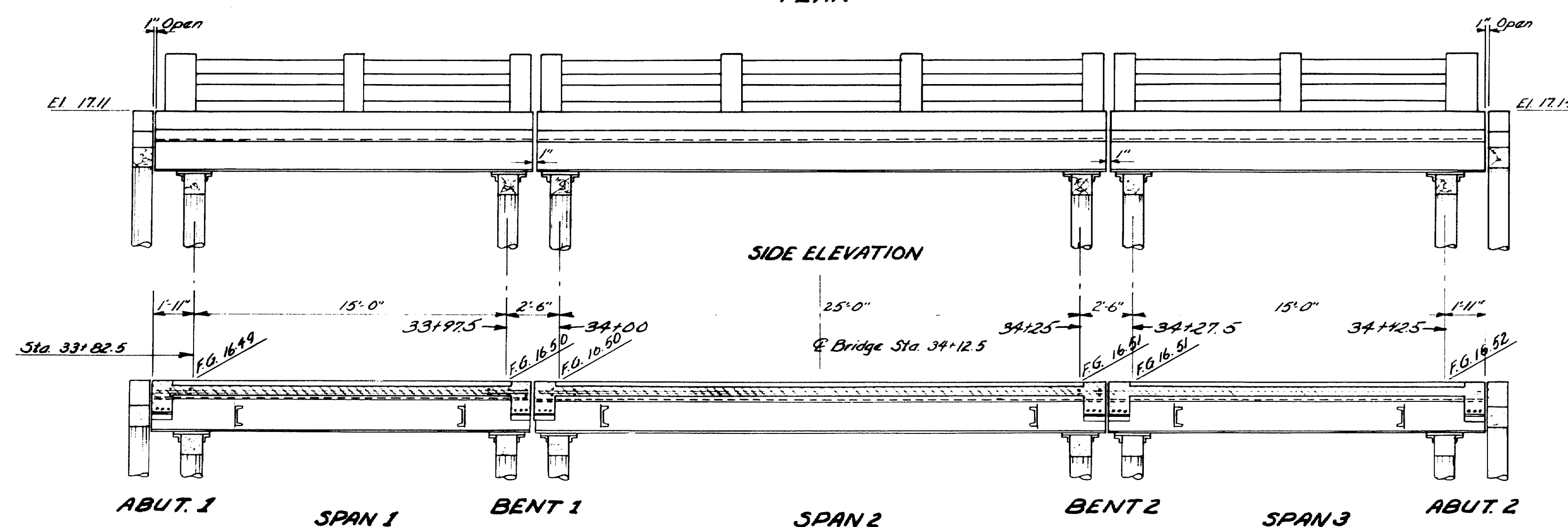
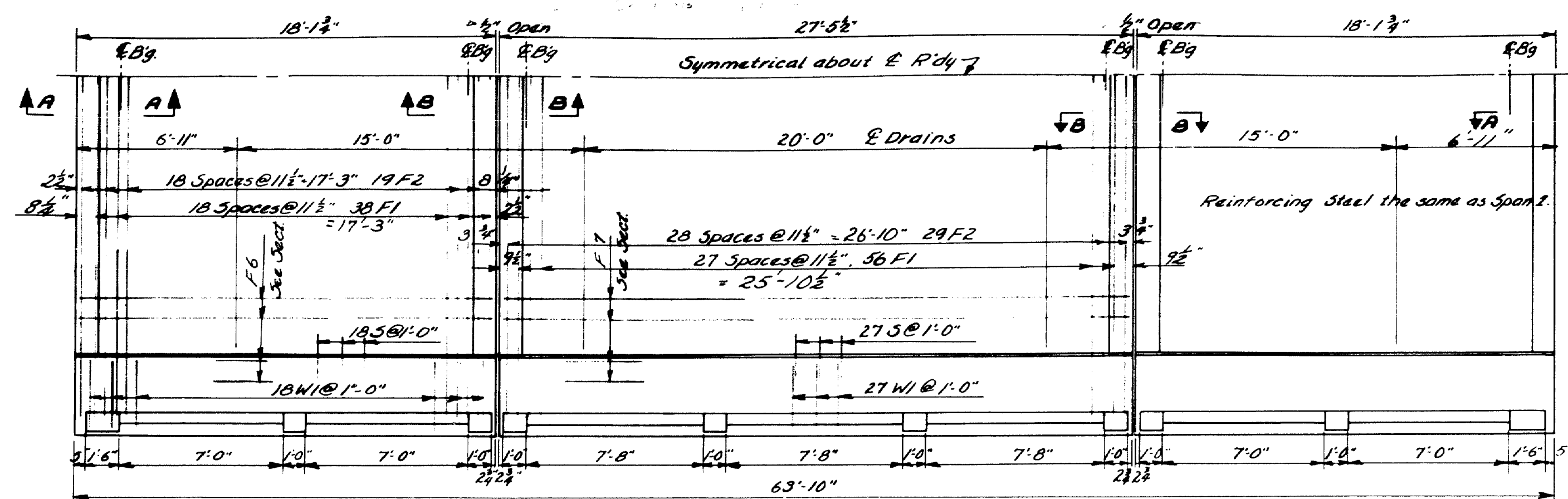
~ FIXED BEARING ~

60 - 1" x 10" Log Bolts Req'd.
FB 1 - 5 Req'd
FB 2 - 10 Req'd

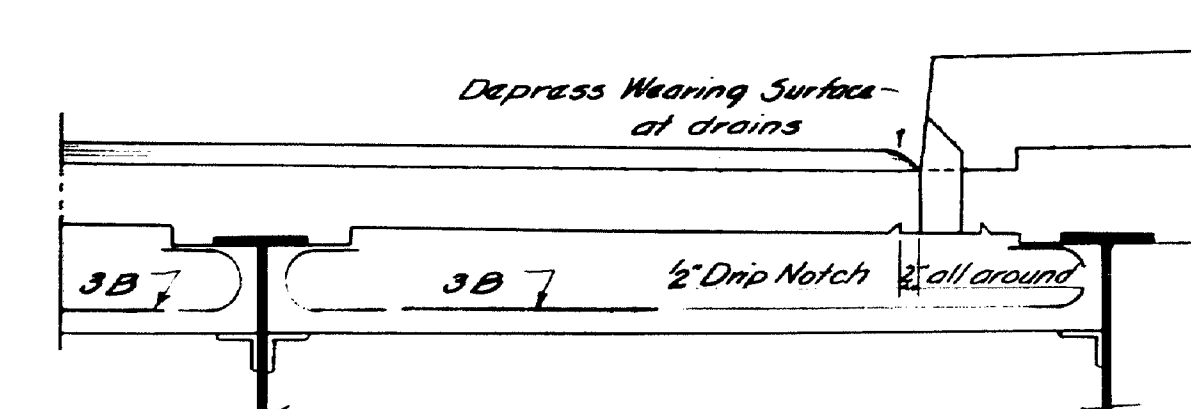
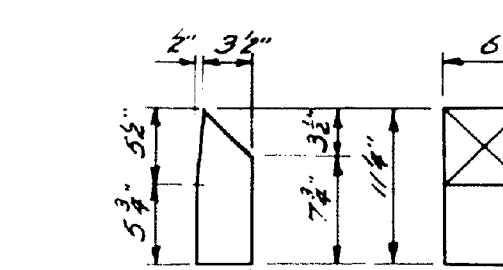
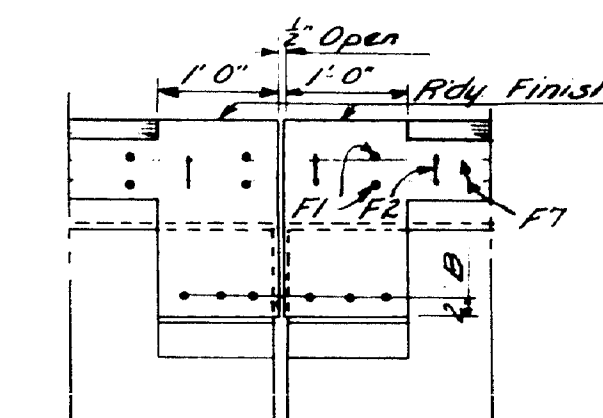
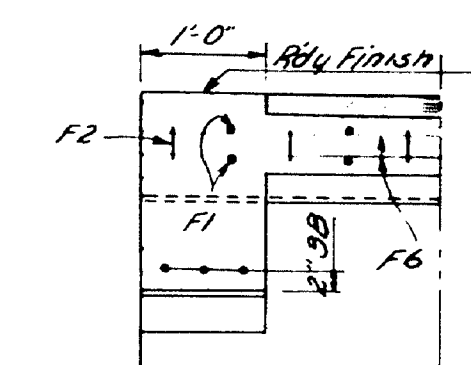
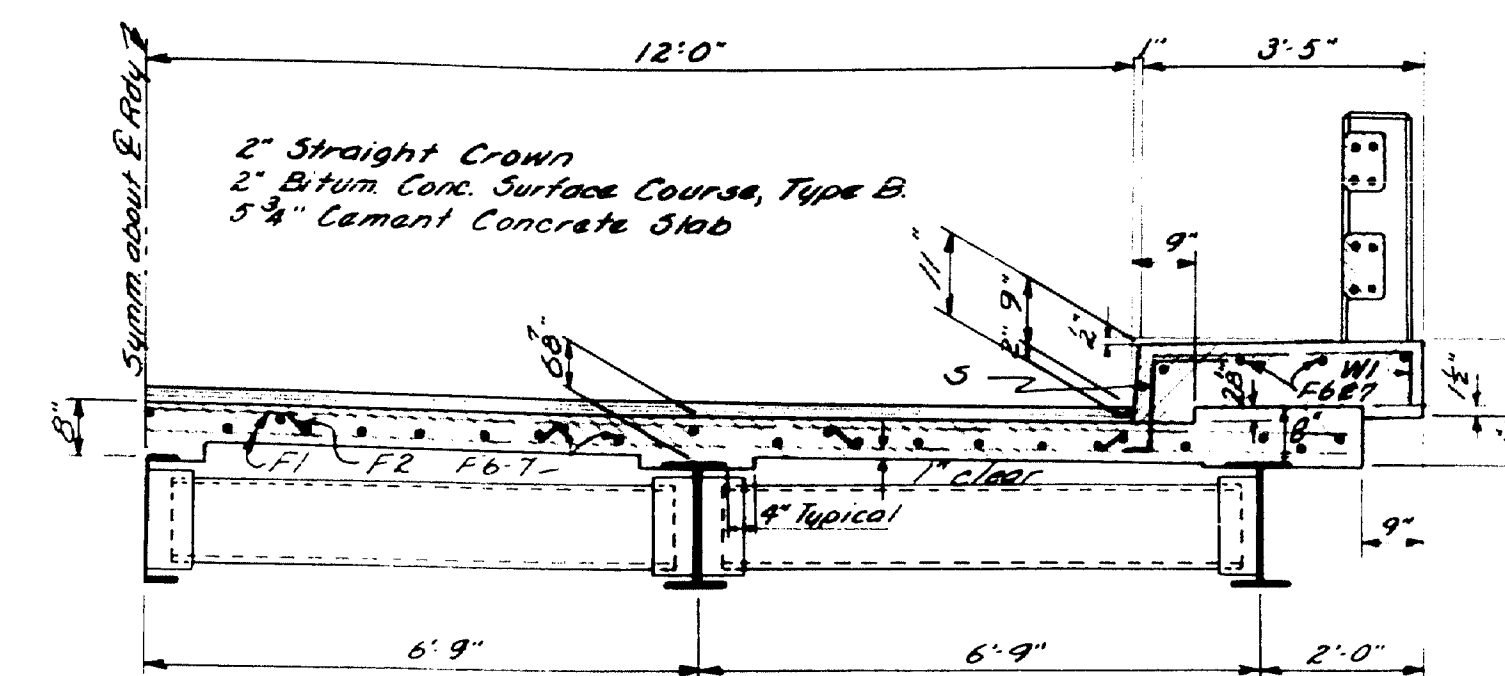


~ STRINGER WELDING AT FIXED BEARINGS ~

DESIGN - ALLEN TRACE - POSTER CHECK - J.B.P.	BRIDGE - 3202
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NEW BRIDGE AT STA. 34 + 12.5 IN THE TOWN OF YORK YORK COUNTY STRUCTURAL STEEL	
SHEET 35 OF 42 AUGUSTA, MAINE	FEB. 1955



Sidewalk to be cast after slab concrete has become properly set and with post bars "P" in position. Rail bars are to be precast and set in position with the ends projecting into the post forms 2". Wrap the tongue ends with two layers of heavy roofing. The wire stirrups are to be made from a single strand of #9 annealed wire, making a complete turn around each bar. Chamfer all exposed edges of concrete $\frac{1}{2}$ inch.

[illegible]

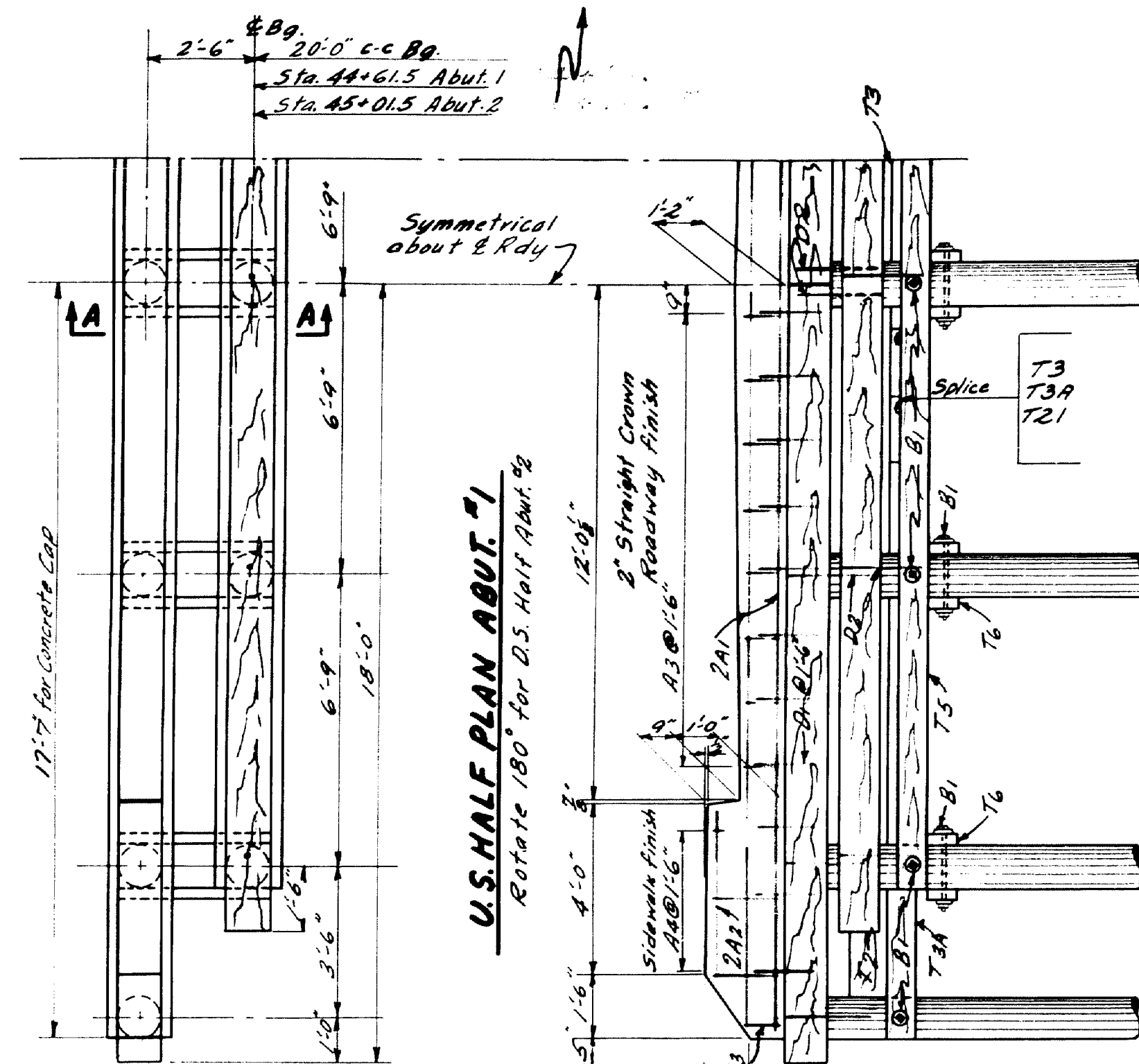
STRAIGHT BARS			
A1	25	16	18'-0"
A2	25	8	3'-9"
F1	25	132	29'-2"
F6	24	106	18'-0"
F7	24	53	27'-3"
R7	24	32	7'-4"
R8	24	32	6'-10"
R9	24	24	8'-0"
R4	24	24	7'-6"
C	24	16	19'-6"

About Backwell Splice
 Slab - All spans
 Slab - Spans 1 & 3
 " Span 2
 Rail Bars - Spans 1 & 3
 " " - Span 2
 " " "

App. Curbs

Dimensions are to $\frac{1}{2}$ of bars.

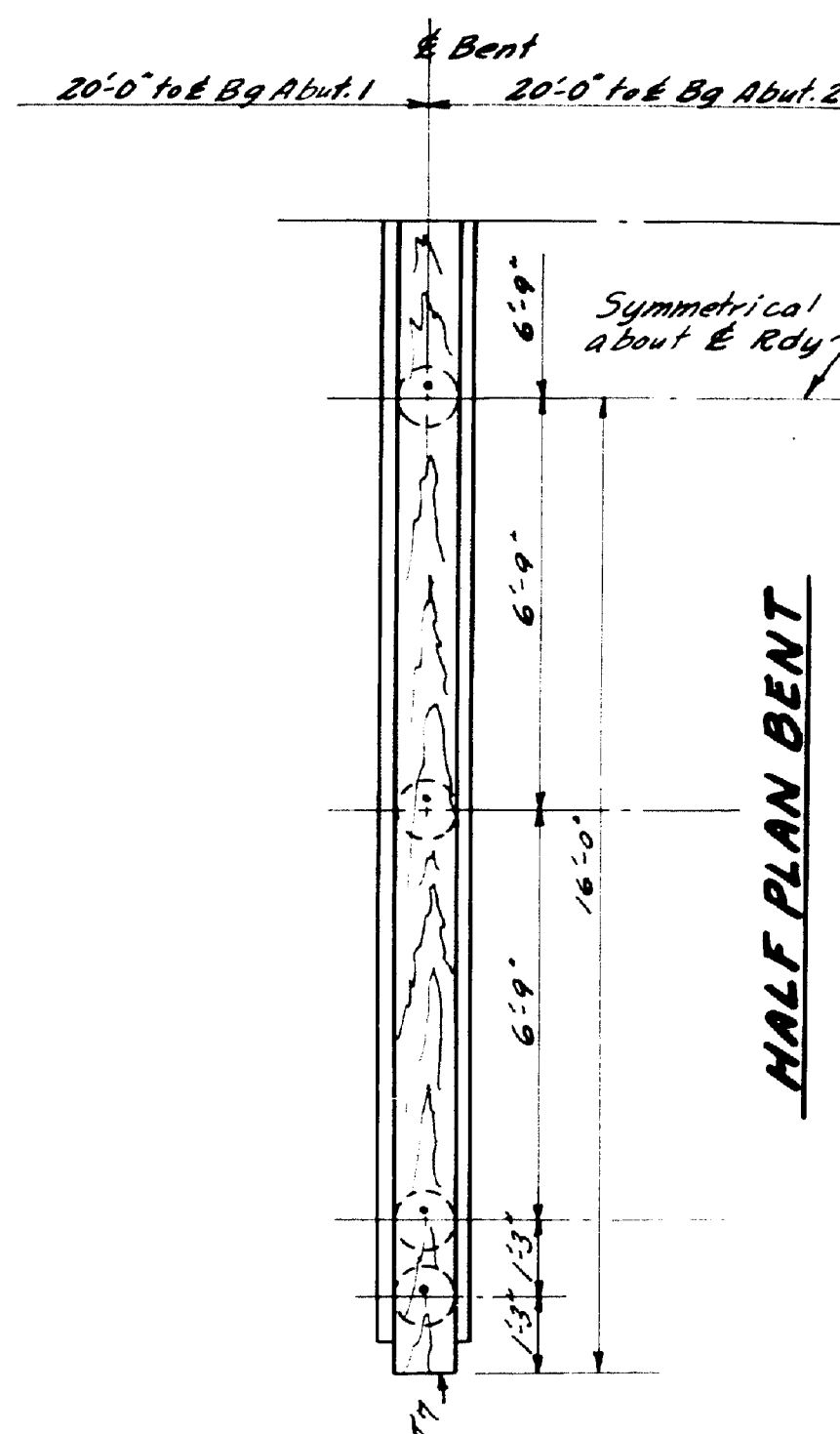
DESIGN - ALLEN TRACE - SHAHLER CHECK - <i>ABP</i>	BRIDGE - 3202
STATE HIGHWAY COMMISSION BRIDGE DIVISION NEW BRIDGE AT STA. 34 + 12.5 IN THE TOWN OF YORK YORK COUNTY SUPERSTRUCTURE SHEET <i>36</i> OF <i>42</i> AUGUSTA, MAINE FEB. 1955	



U.S. HALF PLAN ABUT. #1
Rotate 180° for D.S. Half Abut. #2

HALF FRONT ELEVATION

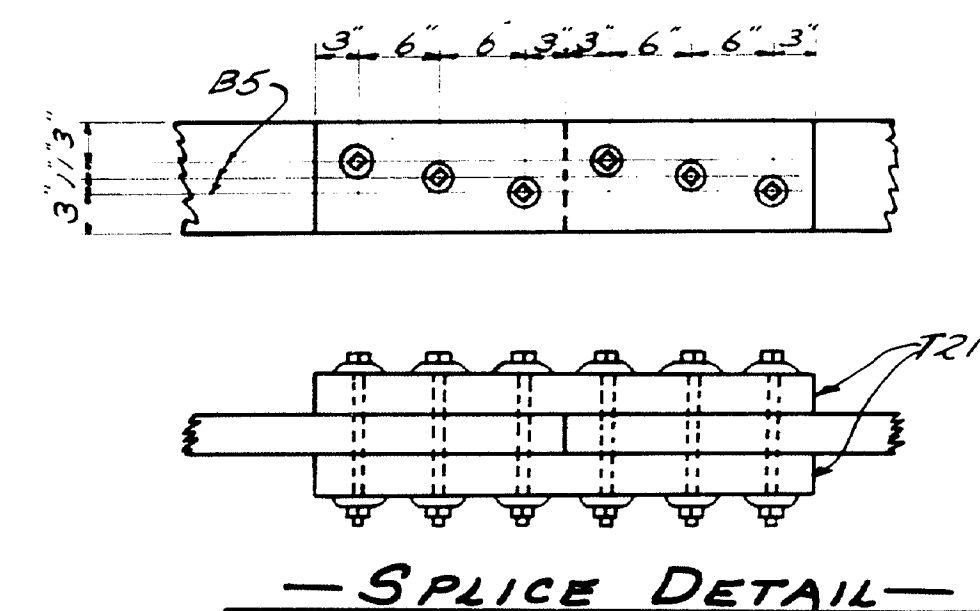
D1's are drift pins. They will be
piled up and reinforced with
A1-4 are reinforcing steel.



HALF PLAN BENT

HALF FRONT ELEVATION

END ELEV.



TIMBER SCHEDULE					
MARK	NO.	ORD. SIZE	FIN. SIZE	LENGTH	LOCATION
T1	4	12" x 12"	11 1/2" x 12"	18'-0"	Abut. Backwall Caps
T2	2	12" x 12"	do	30'-0"	" Br. Spat.
T7	1	12" x 12"	do	32'-0"	Bent
T4	6	4" x 10"	4" x 10"	35'-0"	Abut. Backwalls
T3	8	3" x 8"	3" x 8"	20'-0"	Bracing
T5	4	do	do	28'-0"	do
T6	20	do	do	3'-6"	do
T8	2	do	do	19'-0"	do
T22	2	do	do	18'-0"	do
T3A	6	do	do	15'-0"	do
T8A	2	do	do	12'-0"	do
T2I	16	3" x 8"	3" x 8"	3'-0"	splices

BOLT SCHEDULE				
MARK	SIZE	NO.	LENGTH	TYPE
* B1	3/4"	60	1'-9"	Mech.
* B2	3/4"	12	1'-6"	do
B5	3/4"	48	1'-0"	do

All bolts to be galvanized.
* Length for estimate only.
Note: Bolts to be checked for length after piles arrive on job.

Note: - The above schedules show the exact amount required, no extras provided.

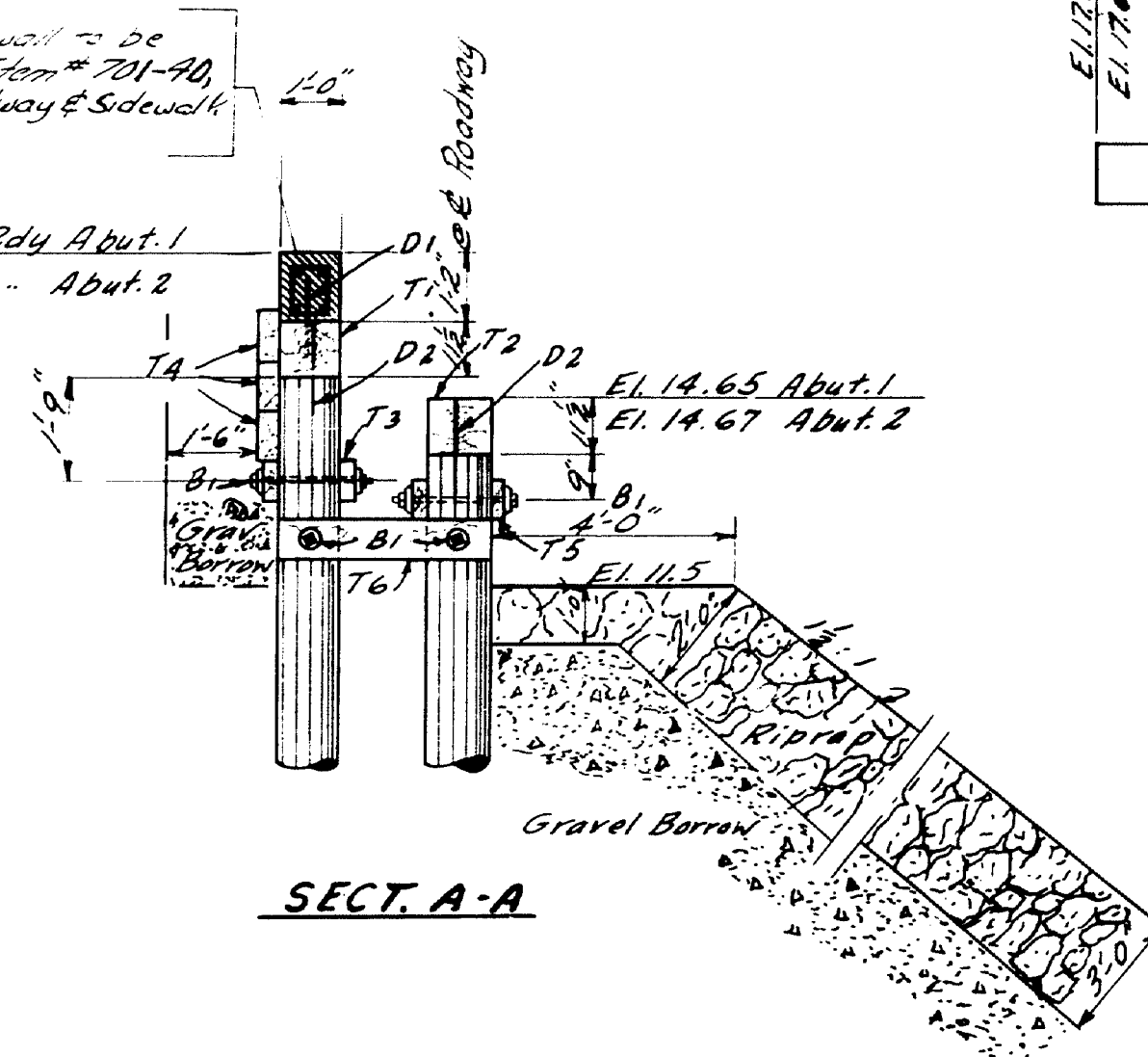
DRIFT PINS			
MARK	SIZE	NO.	LENGTH
D1	3/4"	48	1'-6"
D2	1"	33	2'-0"

All drift pin points tapered to 1/2" dia min.

- Timber Notes -
All timber to be pressure treated.
T4 may be ordered in lengths to make up
the length shown with a joint or joints
at the center of a pile.

Concrete in Abutment roadway to be
20' x 12' for Under Contract Item # 701-40,
" Portland Cement Concrete Roadway & Sidewalk
Slabs on Steel Bridges.

F.G. 1705 @ Rdy Abut. 1
F.G. 1707 " " Abut. 2



SECT. A-A

Note: - Excavate or fill as necessary to
El. 10.5 before driving piles.

PILE SCHEDULE		
NO.	EST. LENGTH	LOCATION
12	35'	Abut. #1
7	40'	Bent
12	40'	Abut. #2

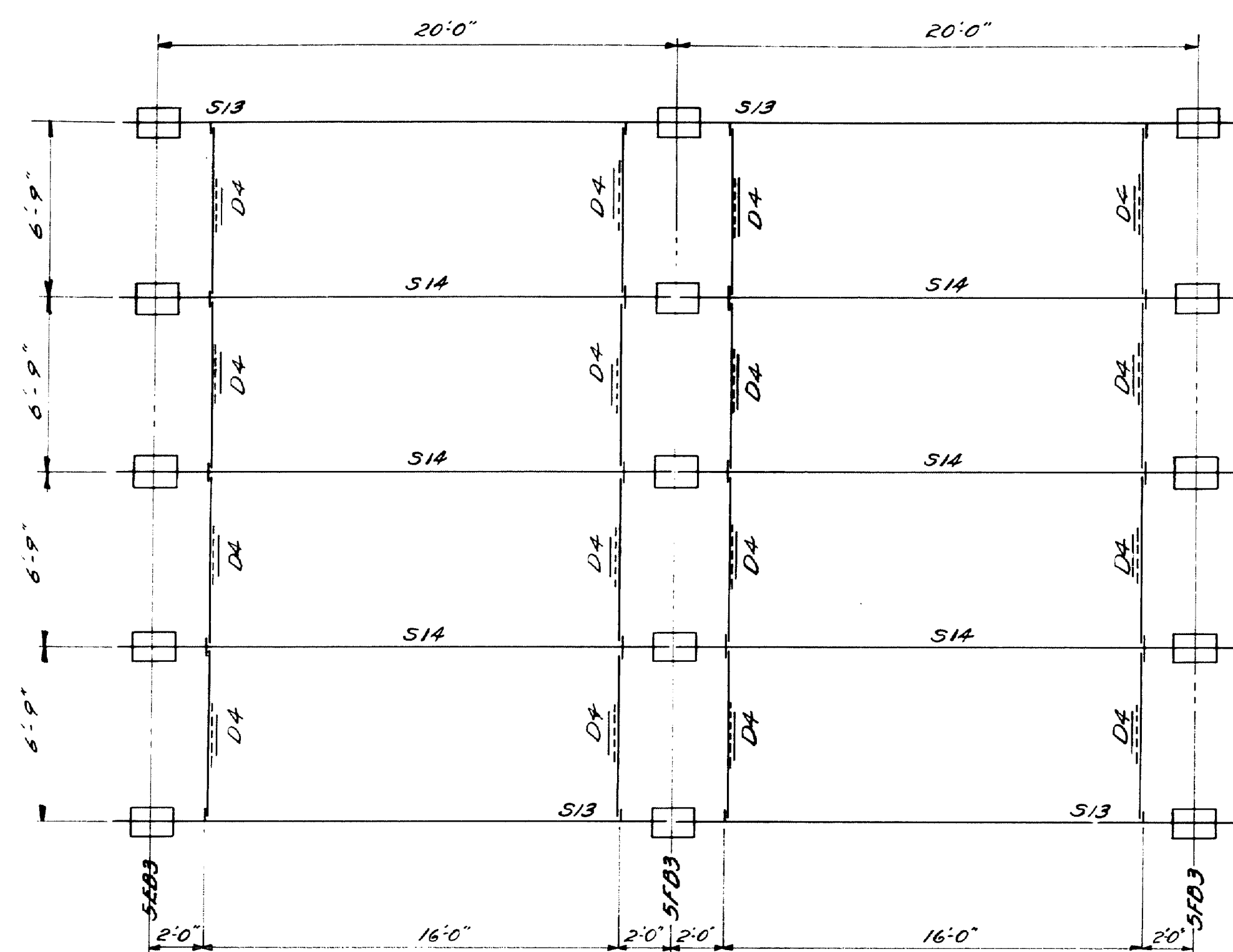
DESIGN - ALLEN
TRACE - CHAPMAN
CHECK - A.B.P.

BRIDGE - 3202

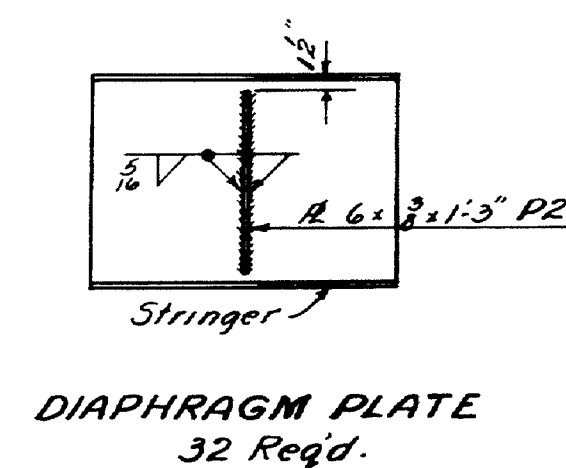
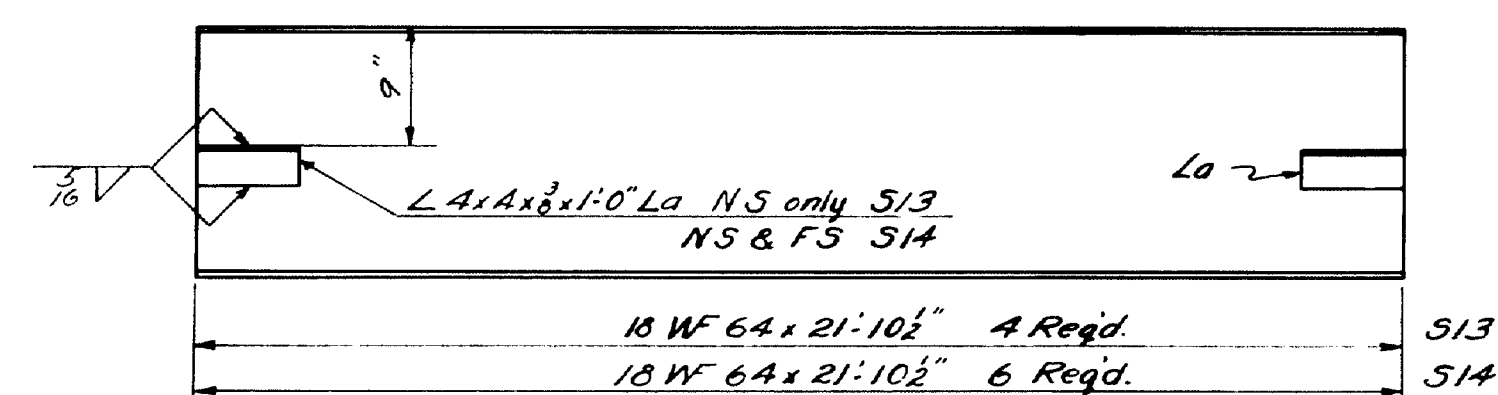
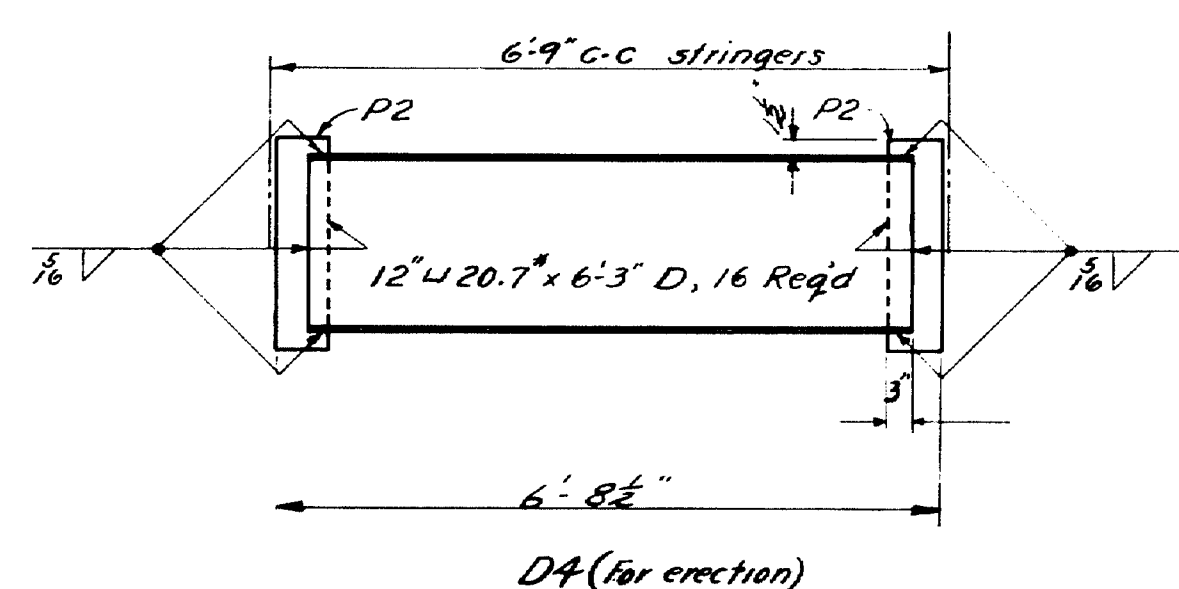
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

NEW BRIDGE
AT
STA. 44+81.5
IN THE TOWN OF
YORK
YORK COUNTY
ABUTMENTS & BENTS

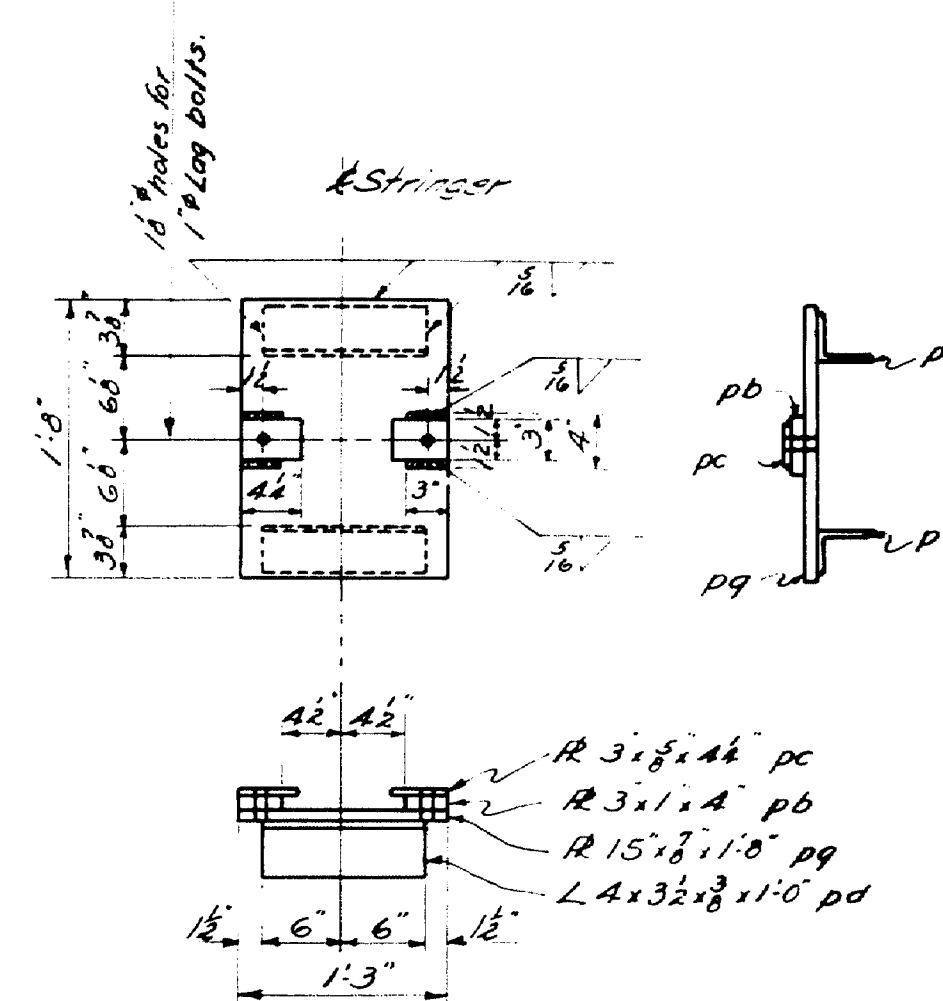
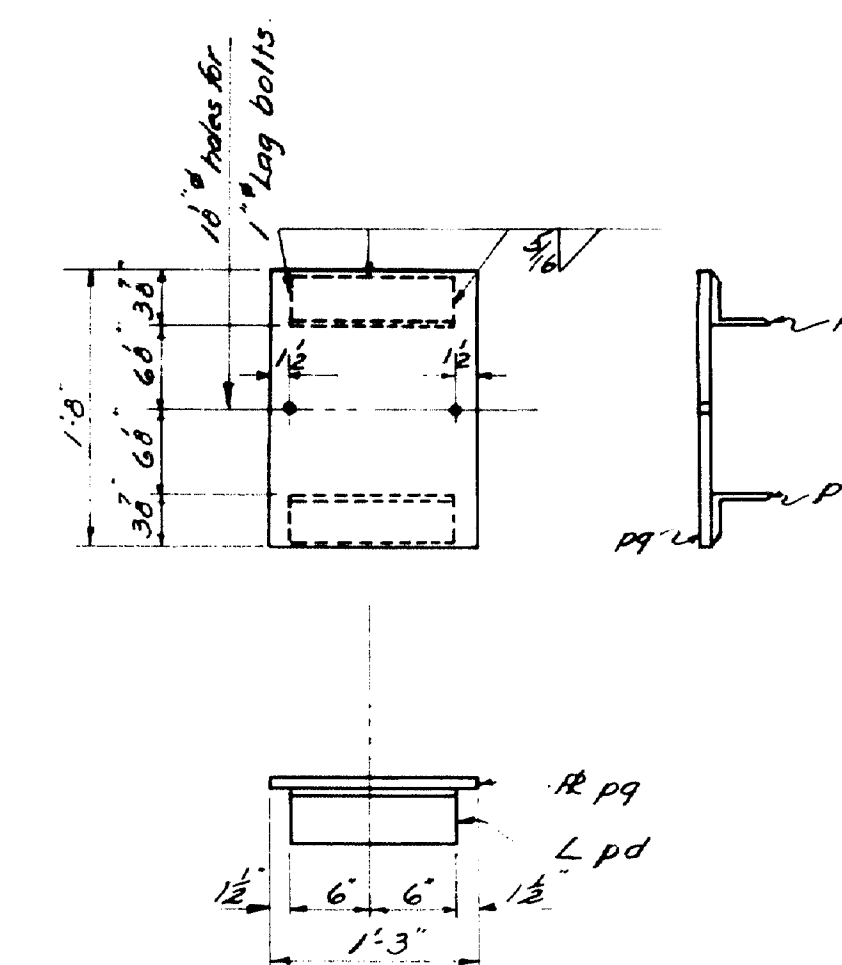
SHEET 37 OF 42 AUGUSTA, MAINE JAN. 1955



ERECTION DIAGRAM

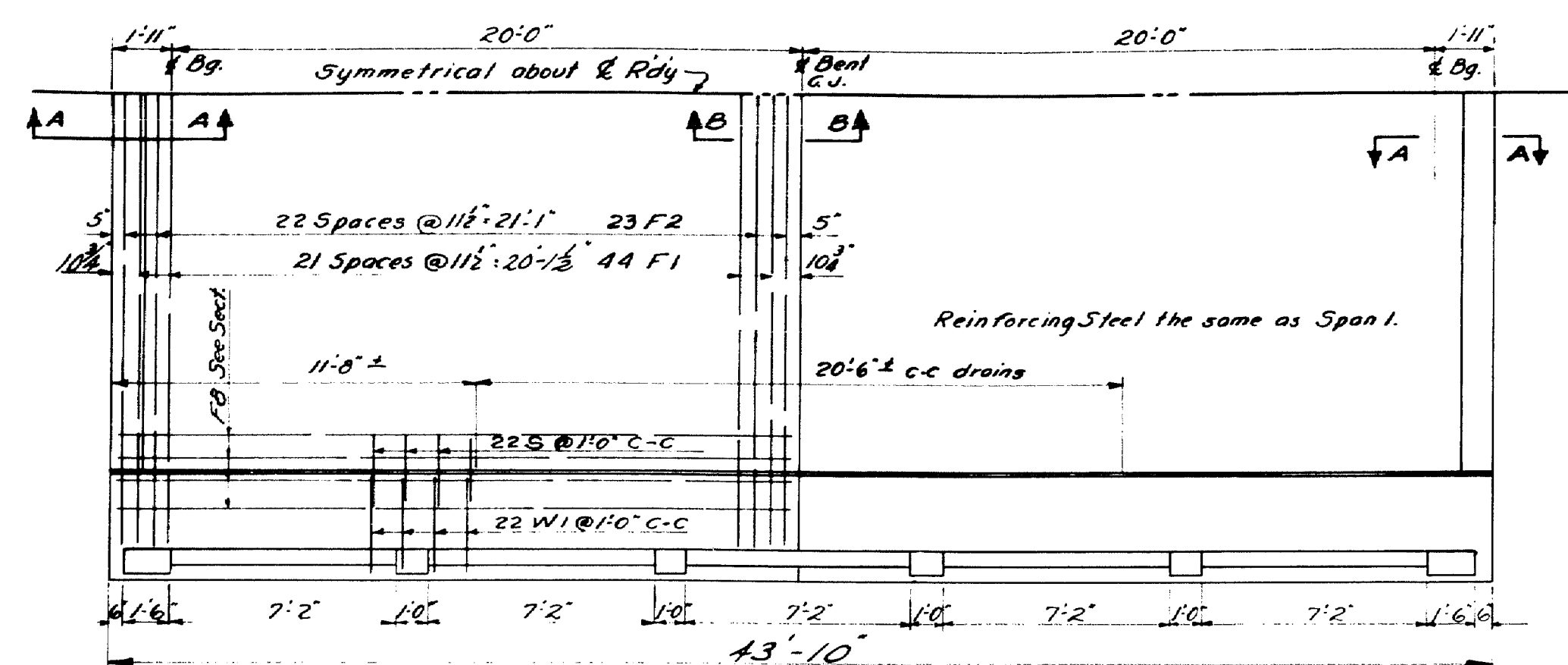
DIAPHRAGM PLATE
32 Req'd.

STRINGER WELDING AT FIXED BEARINGS.

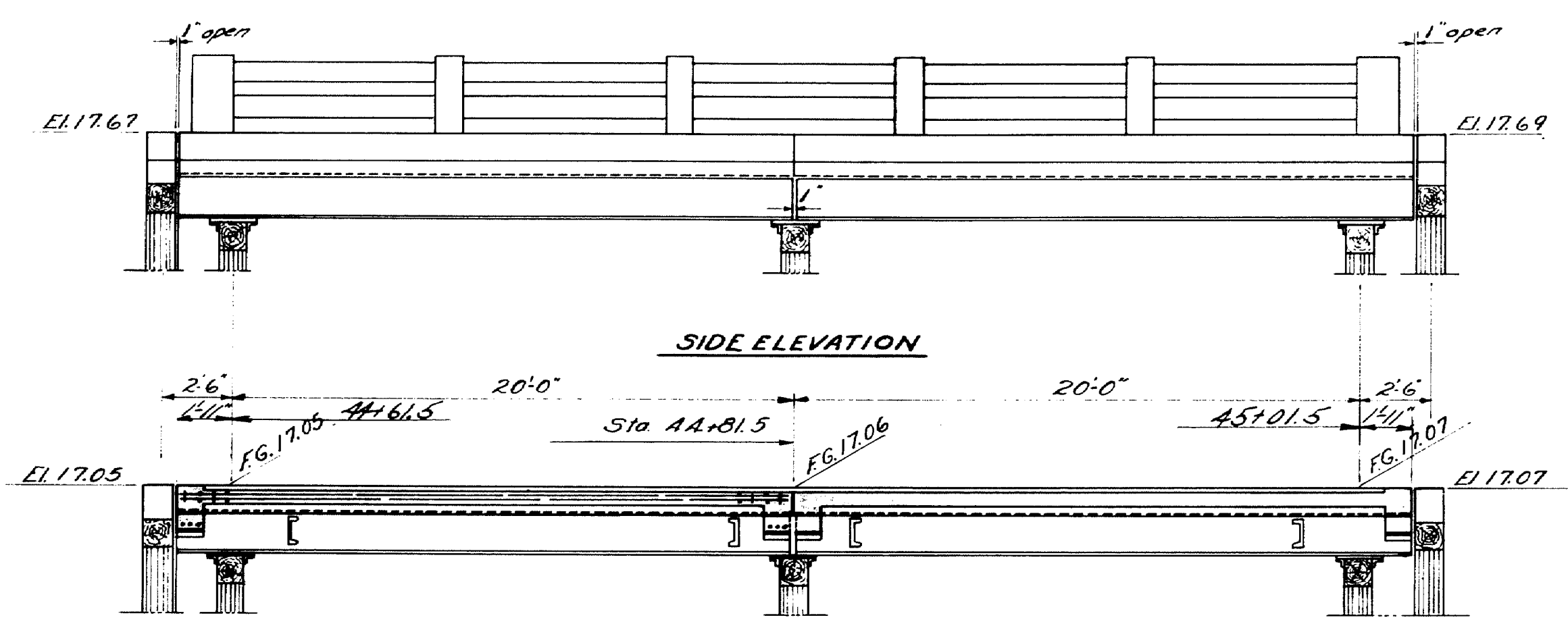
EXPANSION BEARING EB3
5 Req'd.FIXED BEARING FB3
10 Req'd.

30 1" x 10" Lag Bolts Req'd

DESIGN - ALLEN TRACE - SAVAGE CHECK - A.B.P.	BRIDGE - 3202
STATE HIGHWAY COMMISSION BRIDGE DIVISION NEW BRIDGE AT STA. 44 + 81.5 IN THE TOWN OF YORK YORK COUNTY STRUCTURAL DETAILS SHEET 38 OF 42 AUGUSTA, MAINE. FEB. 1955.	

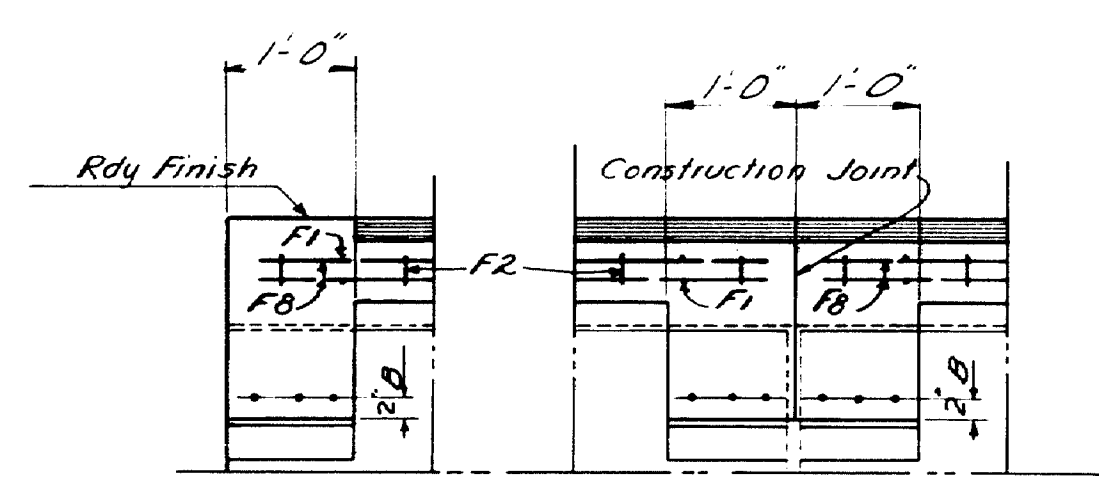


PLAN



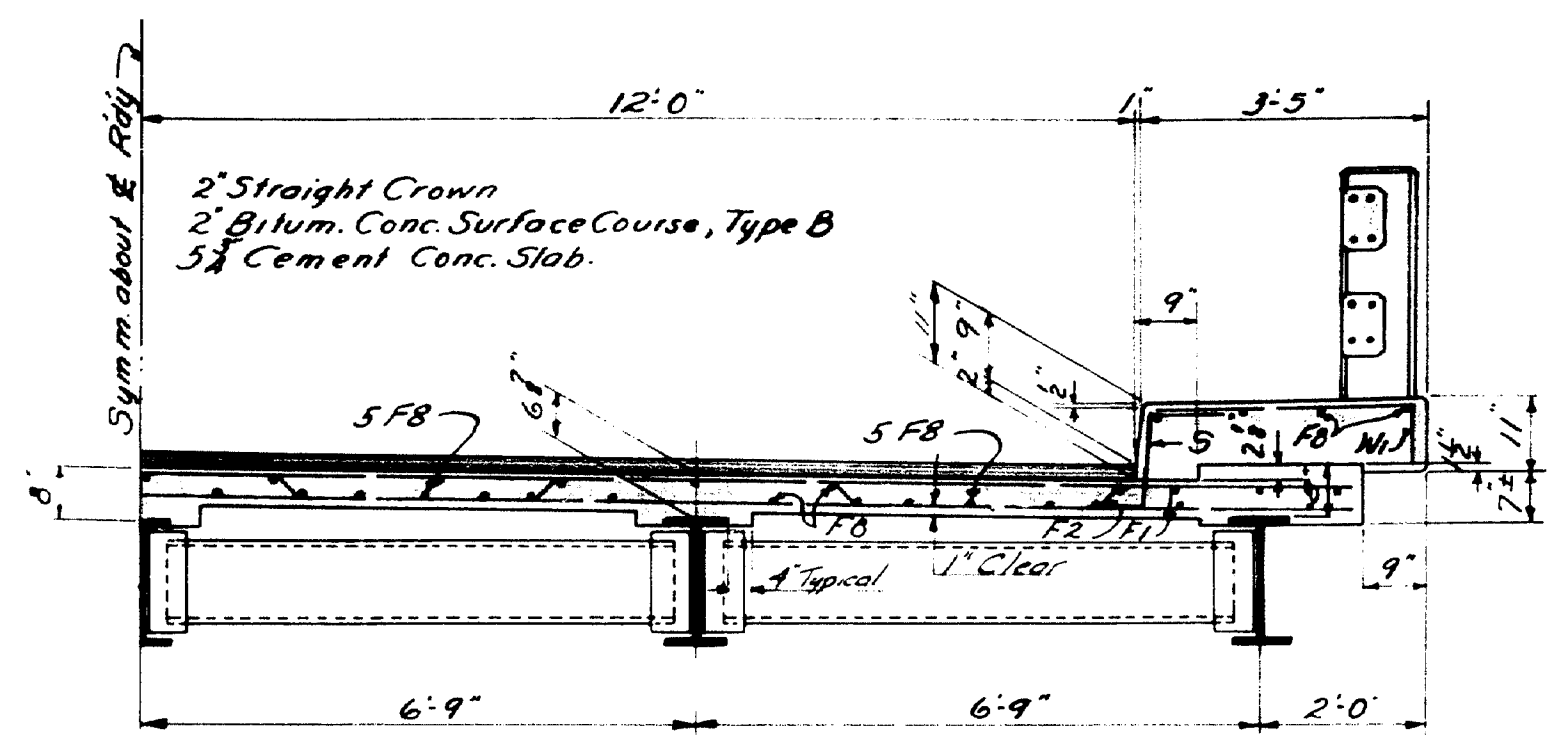
SIDE ELEVATION

LONGITUDINAL SECTION



SECTION A-A

SECTION B-B

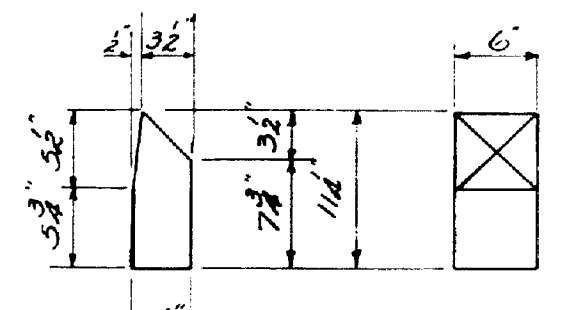


TRANSVERSE SECTION

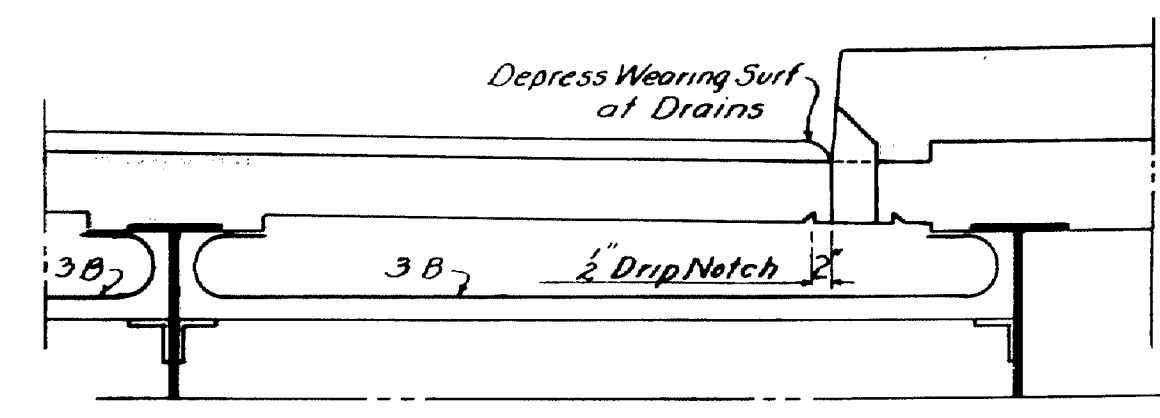
REINFORCING STEEL				
MARK	SIZE	NO.	LENGTH	LOCATION
B	#7	48	8'-1"	End diaphragms
P	#6	24	6'-11"	Rail Posts
F2	#5	46	30'-0"	Slab
S	#4	88	3'-2"	Curbs
W1	#4	88	3'-10"	Sidewalks
A3	#3	36	3'-4"	Abut Backwalls
A4	#3	12	4'-10"	"
H1	#3	12	4'-1"	End Rail Posts
H2	#3	24	3'-1"	Int

STRAIGHT BARS				
MARK	SIZE	NO.	LENGTH	LOCATION
A1	#5	16	18'-0"	Abut. Backwalls, splice
A2	#5	8	3'-9"	"
F1	#5	88	29'-2"	Slab
F8	#4	106	21'-8"	"
C	#4	16	12'-6"	App. Curbs
R3	#4	40	7'-0"	Rail Bars
R4	#4	40	7'-6"	"

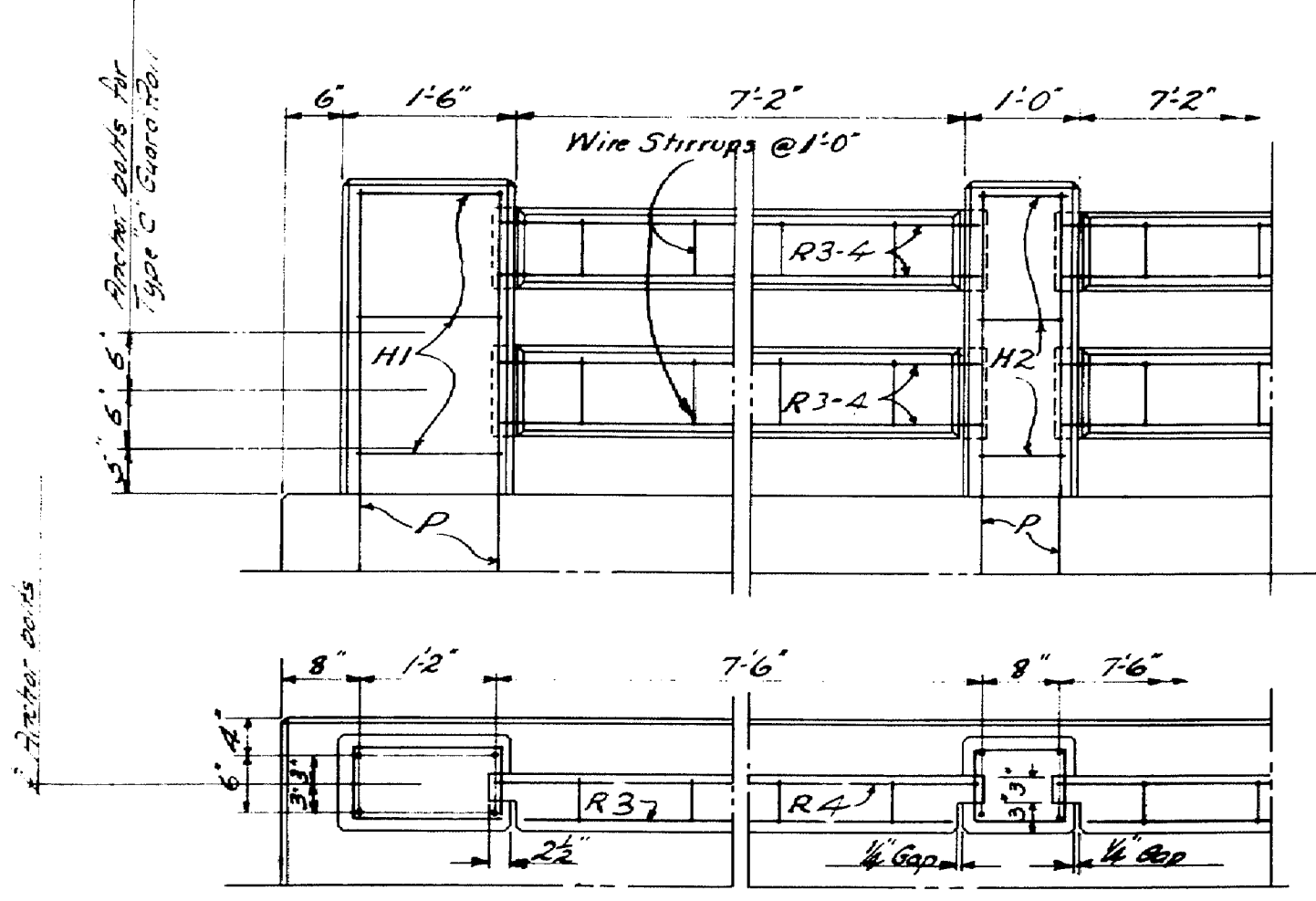
Dimensions are to c/c of bars.



METAL DRAIN FORM
24 Ga. Galvanized Iron
4 Req'd.



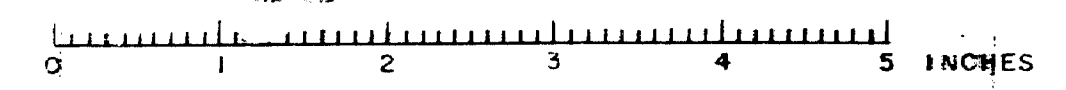
END DIAPHRAGMS & DRAIN

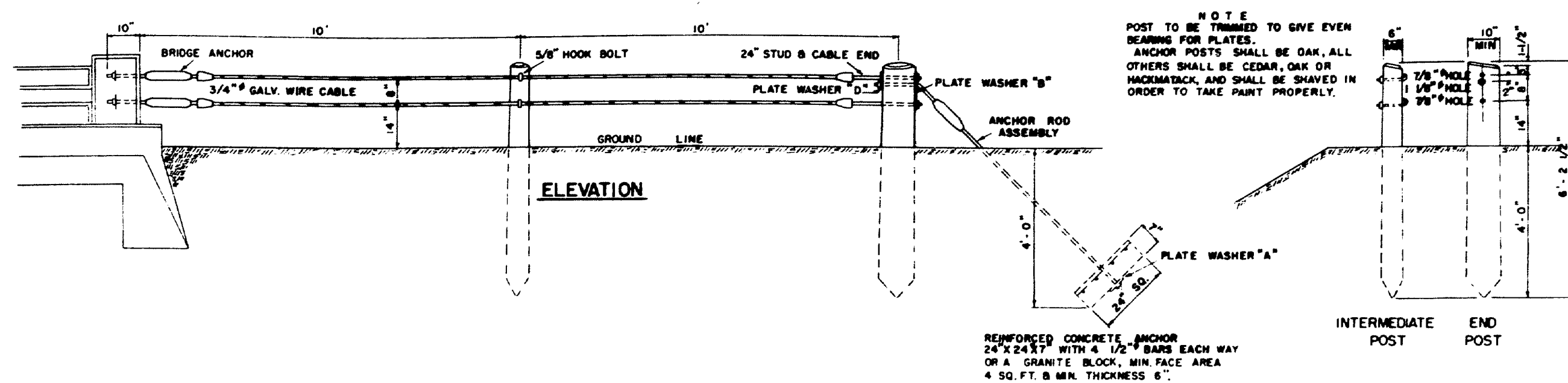


RAIL DETAIL

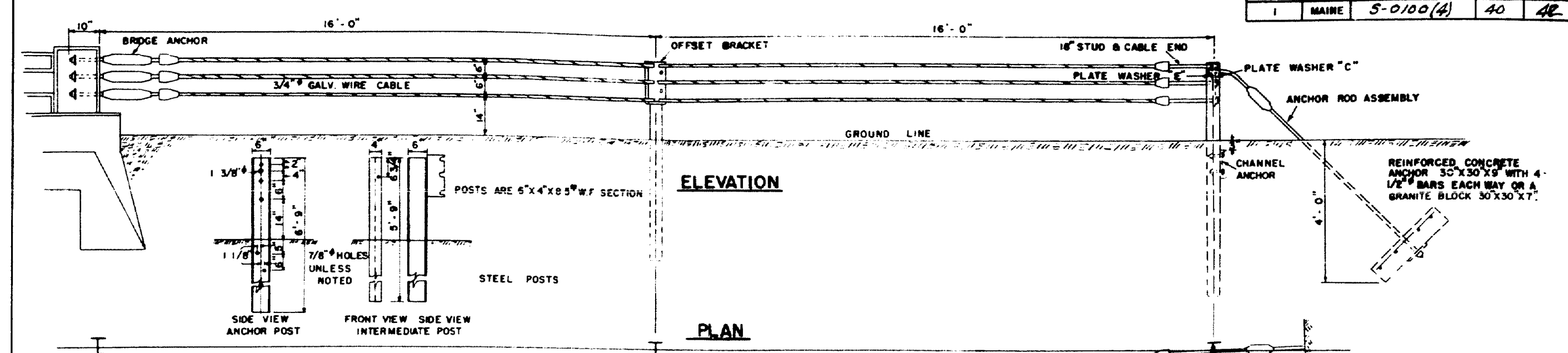
Sidewalk to be cast after slab concrete has become properly set and with post bars "P" in position. Rail bars are to be precast and set in position with the ends projecting into post forms 2". Wrap the tongue ends with 2 layers of heavy roofing. The wire stirrups are to be made from a single strand of #9 annealed wire, making a complete turn around each bar. Chamfer all exposed edges of concrete 1/2 inch.

DESIGN - ALLEN	BRIDGE - 3202
TRACE - SAVAGE	
CHECK - HBD	
STATE HIGHWAY COMMISSION	
BRIDGE DIVISION	
NEW BRIDGE	
AT	
STA. 44+81.5	
IN THE TOWN OF	
YORK	
YORK COUNTY	
SUPERSTRUCTURE	
SHEET 39 OF 42 - AUGUSTA, MAINE. FEB. 1955	

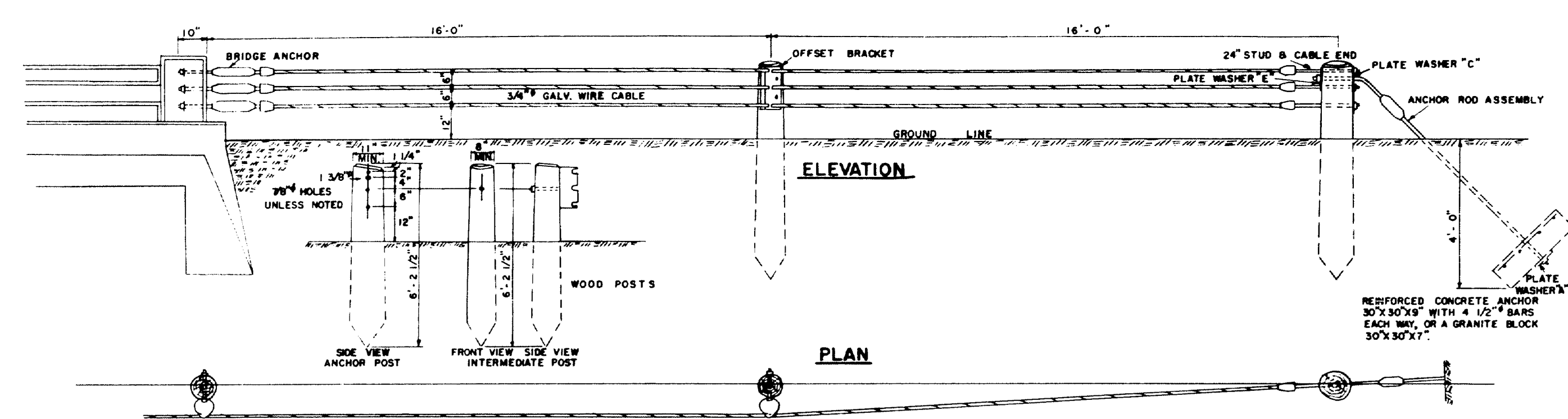




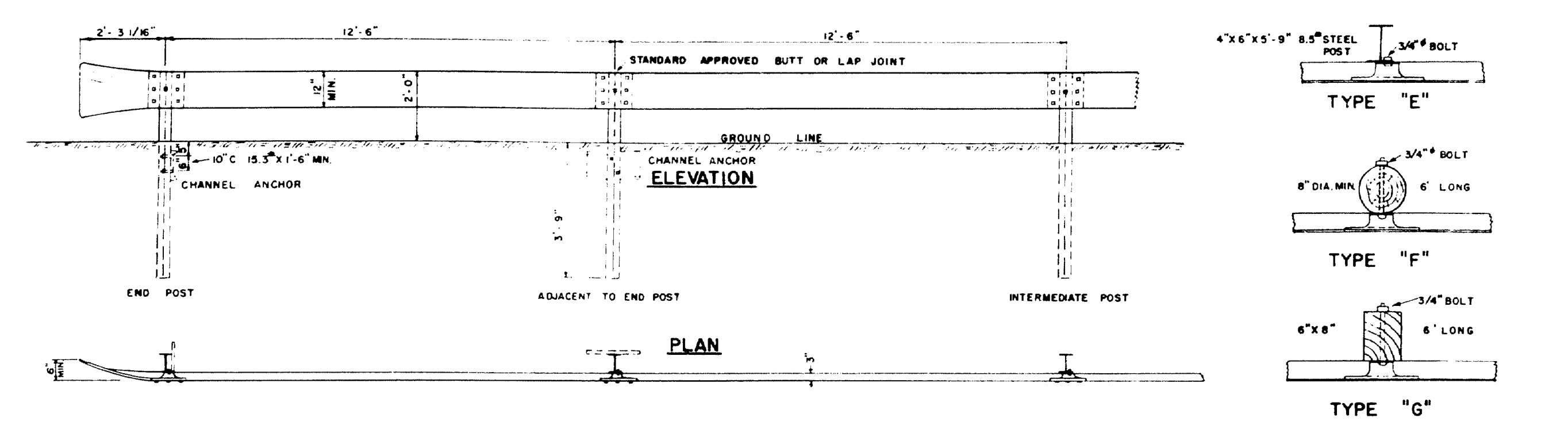
GUARD RAIL TYPE "A" & "B"



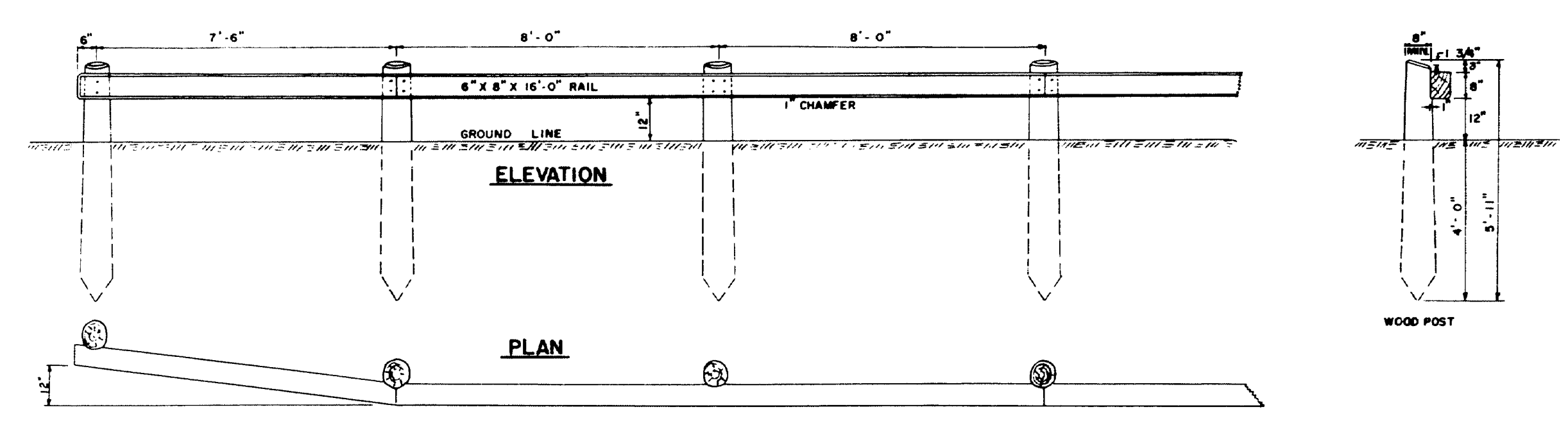
GUARD RAIL TYPE "C"



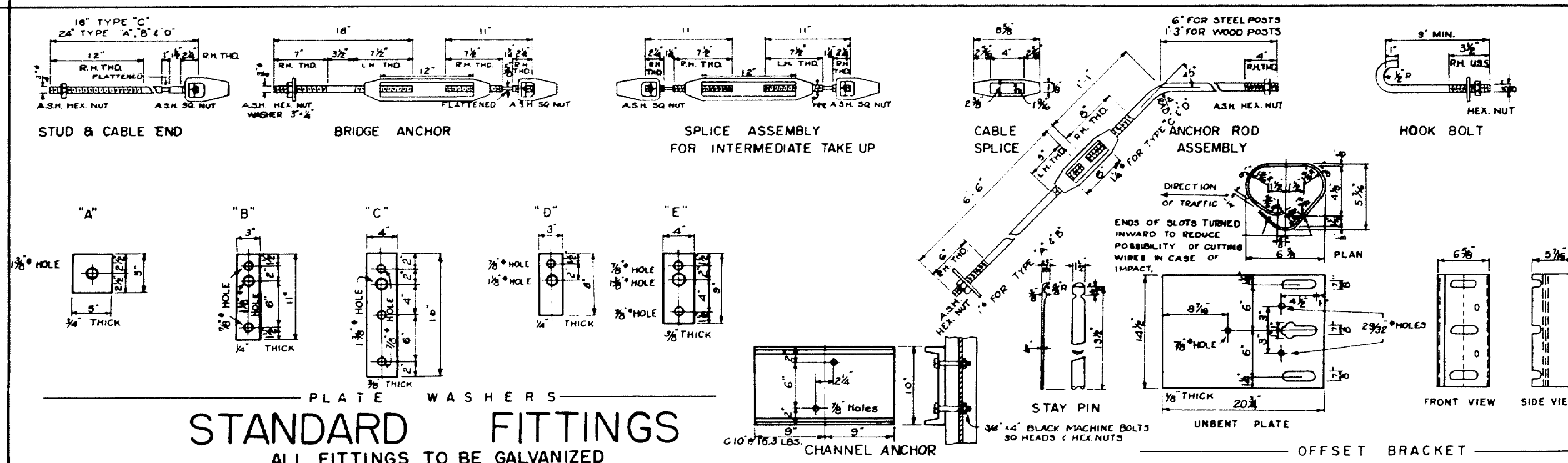
GUARD RAIL TYPE "D"



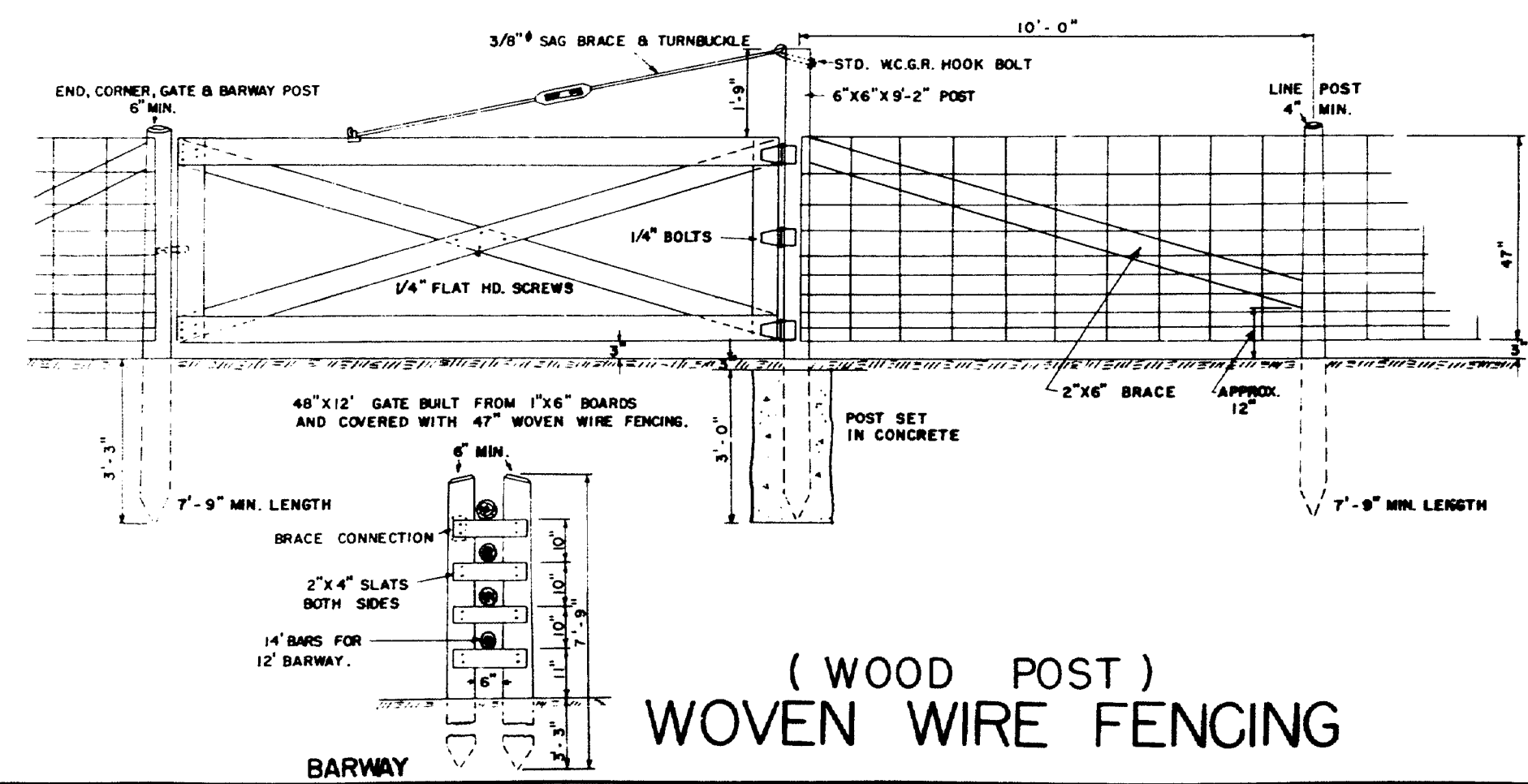
GUARD RAIL TYPE "E", "F" & "G"



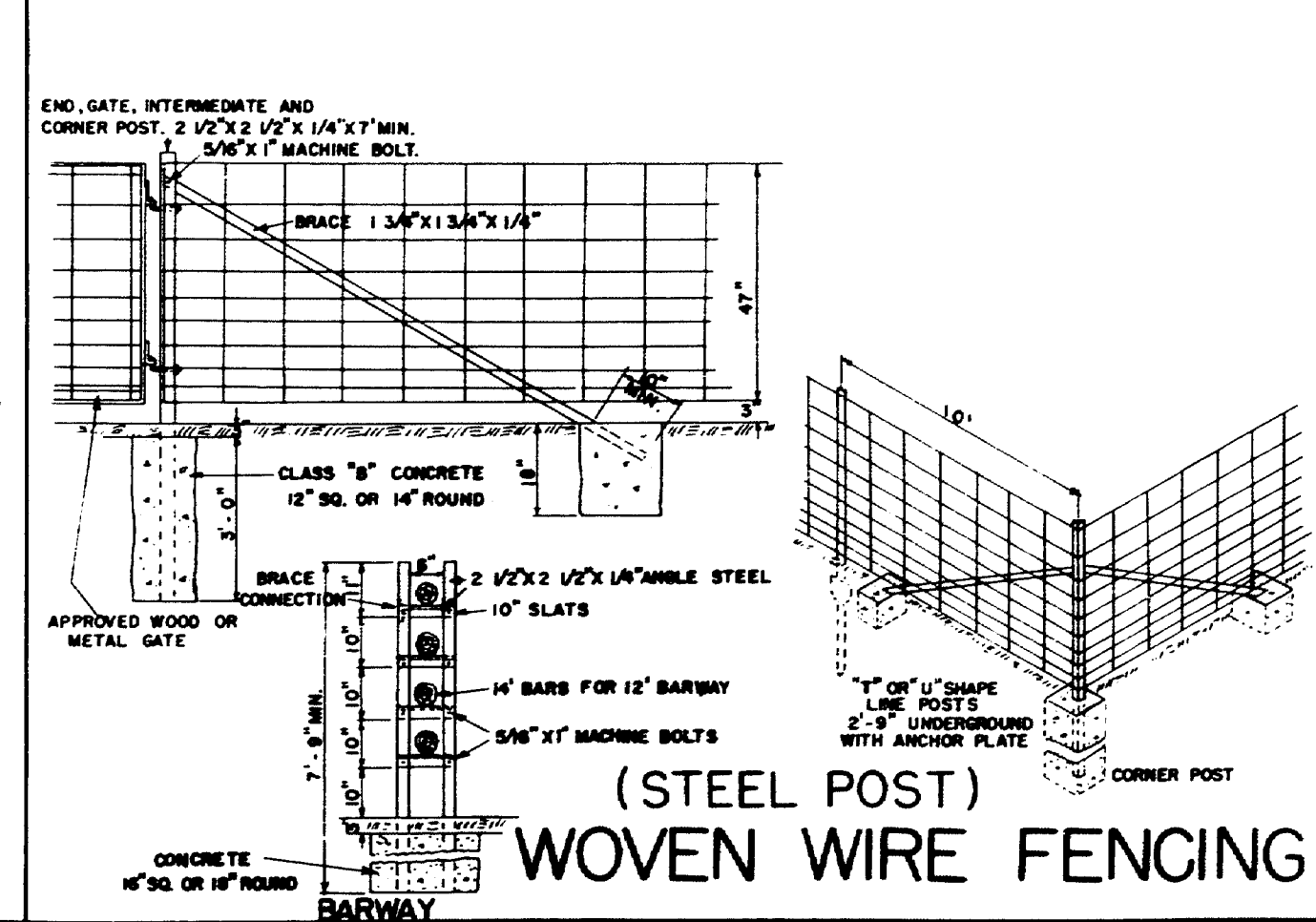
GUARD RAIL TYPE "H"



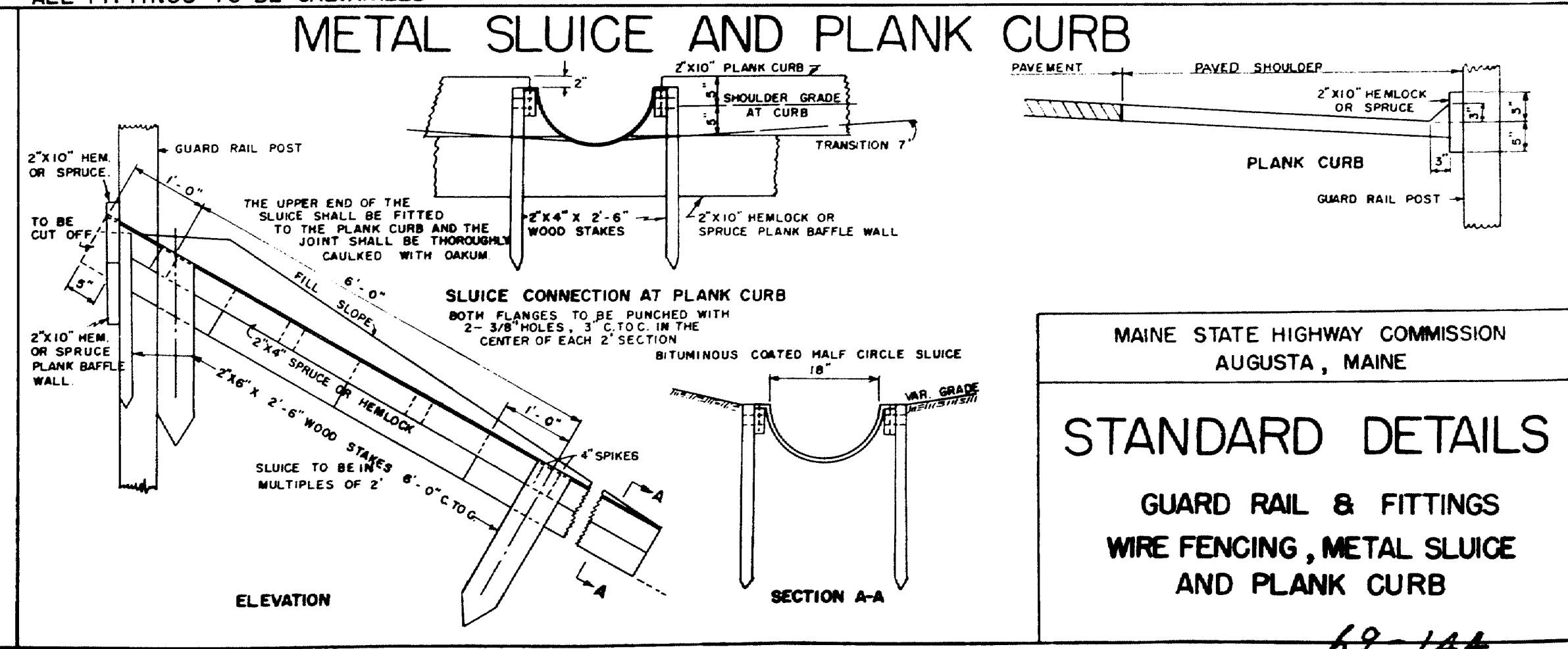
STANDARD FITTINGS
ALL FITTINGS TO BE GALVANIZED



(WOOD POST)
WOVEN WIRE FENCING



(STEEL POST)
WOVEN WIRE FENCING



METAL SLUICE AND PLANK CURB

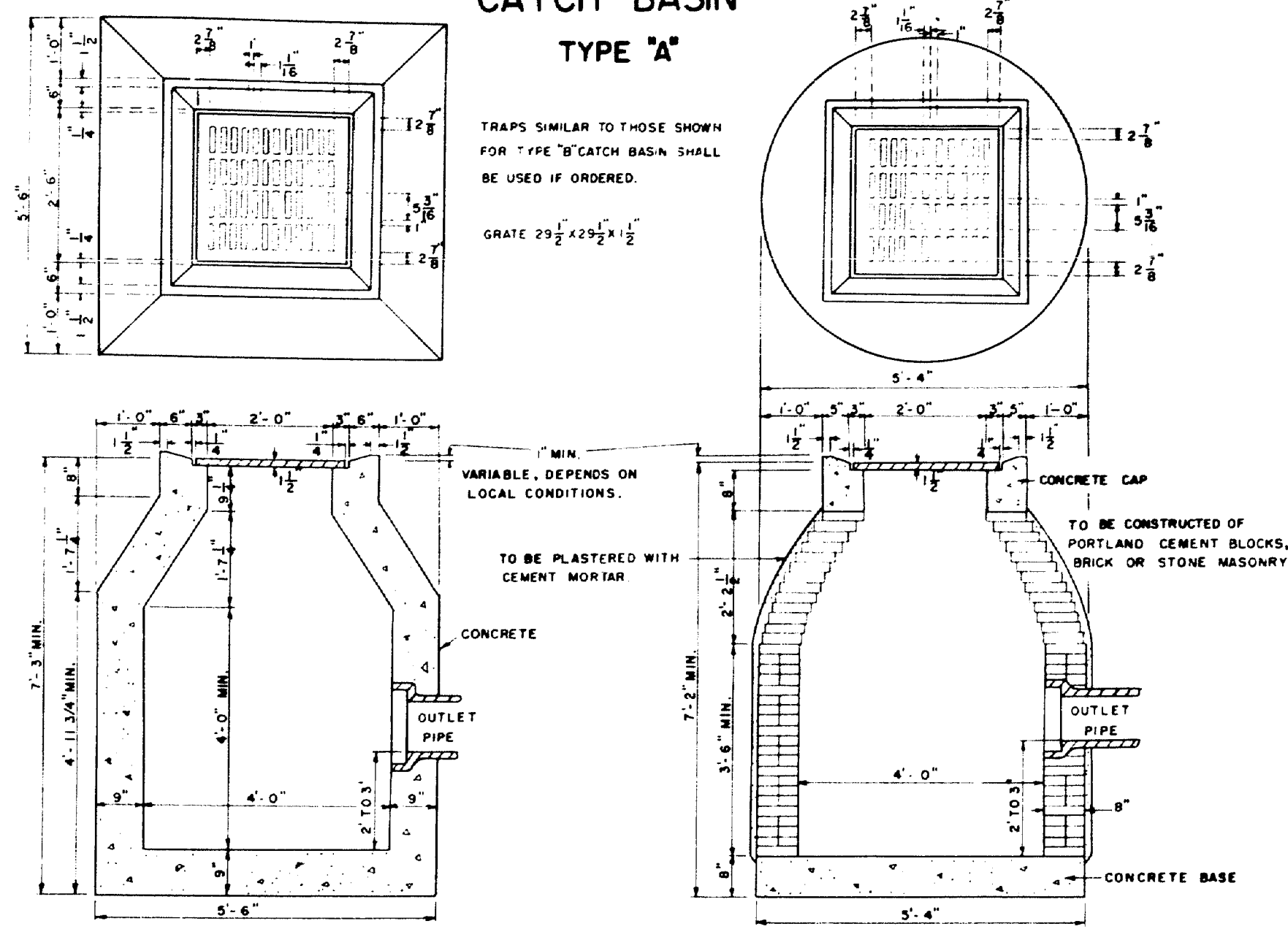
MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

STANDARD DETAILS

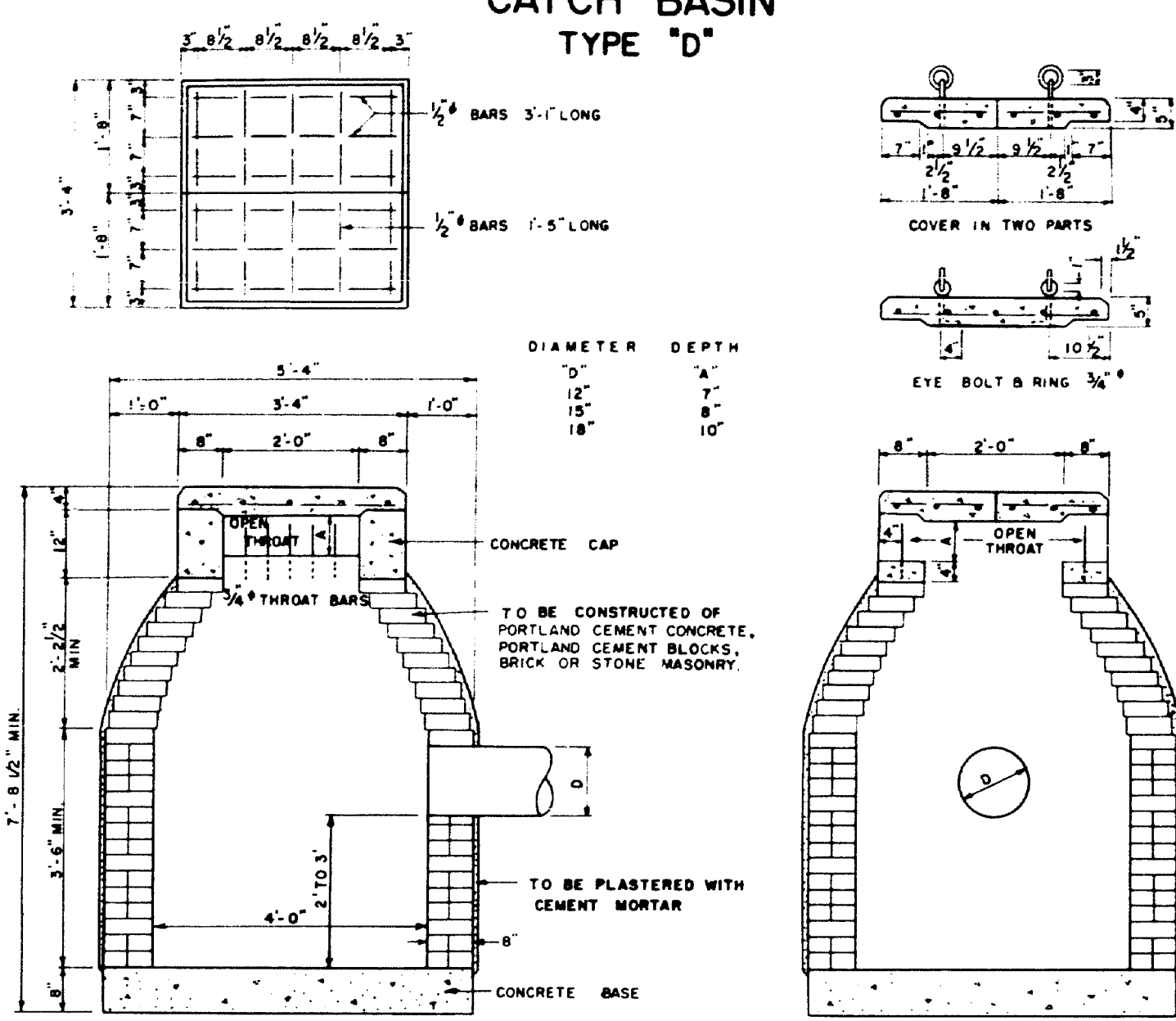
GUARD RAIL & FITTINGS
WIRE FENCING, METAL SLUICE
AND PLANK CURB

D.P.R. DIV. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	5-000(4)	41	42

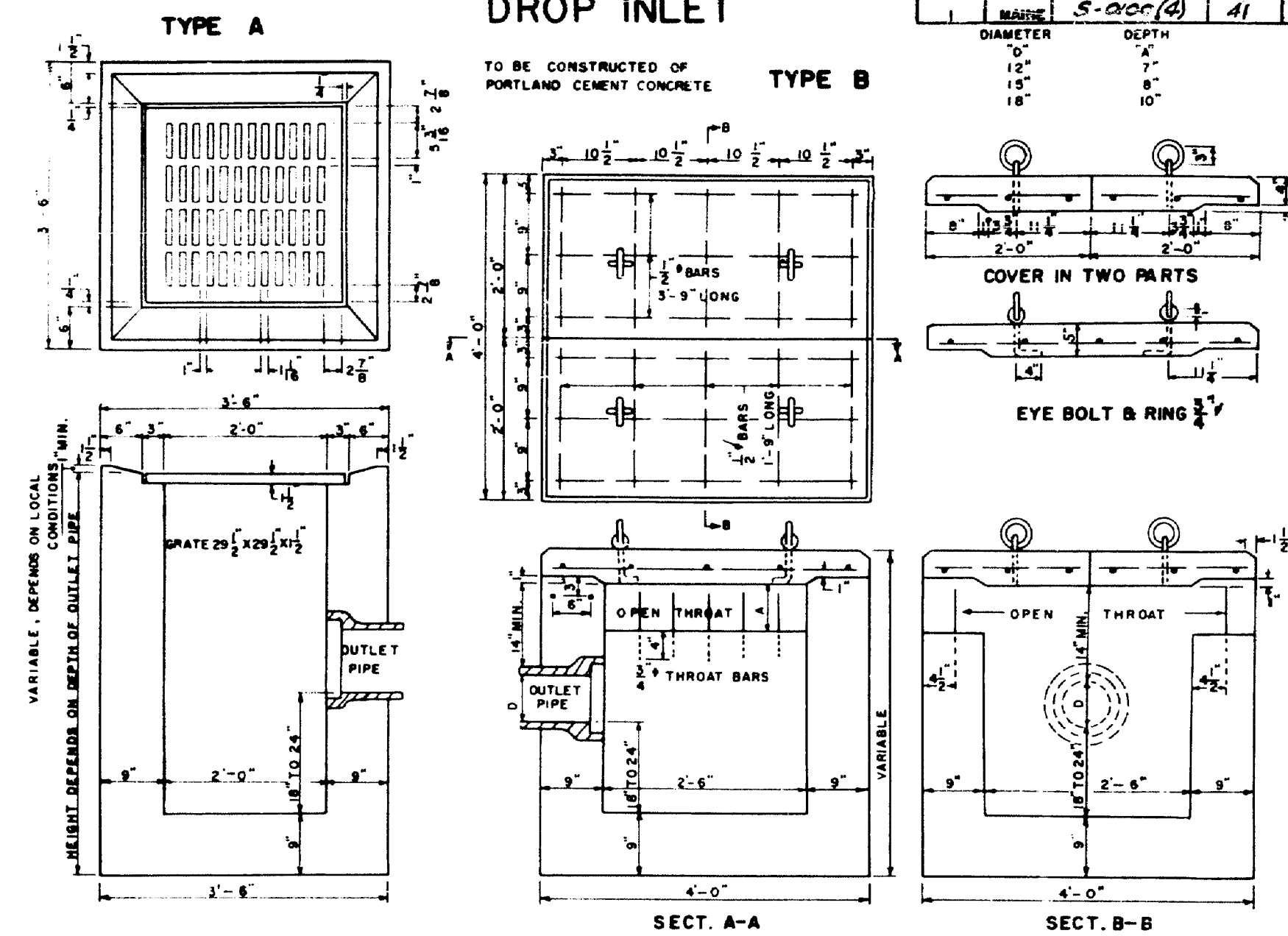
CATCH BASIN TYPE "A"



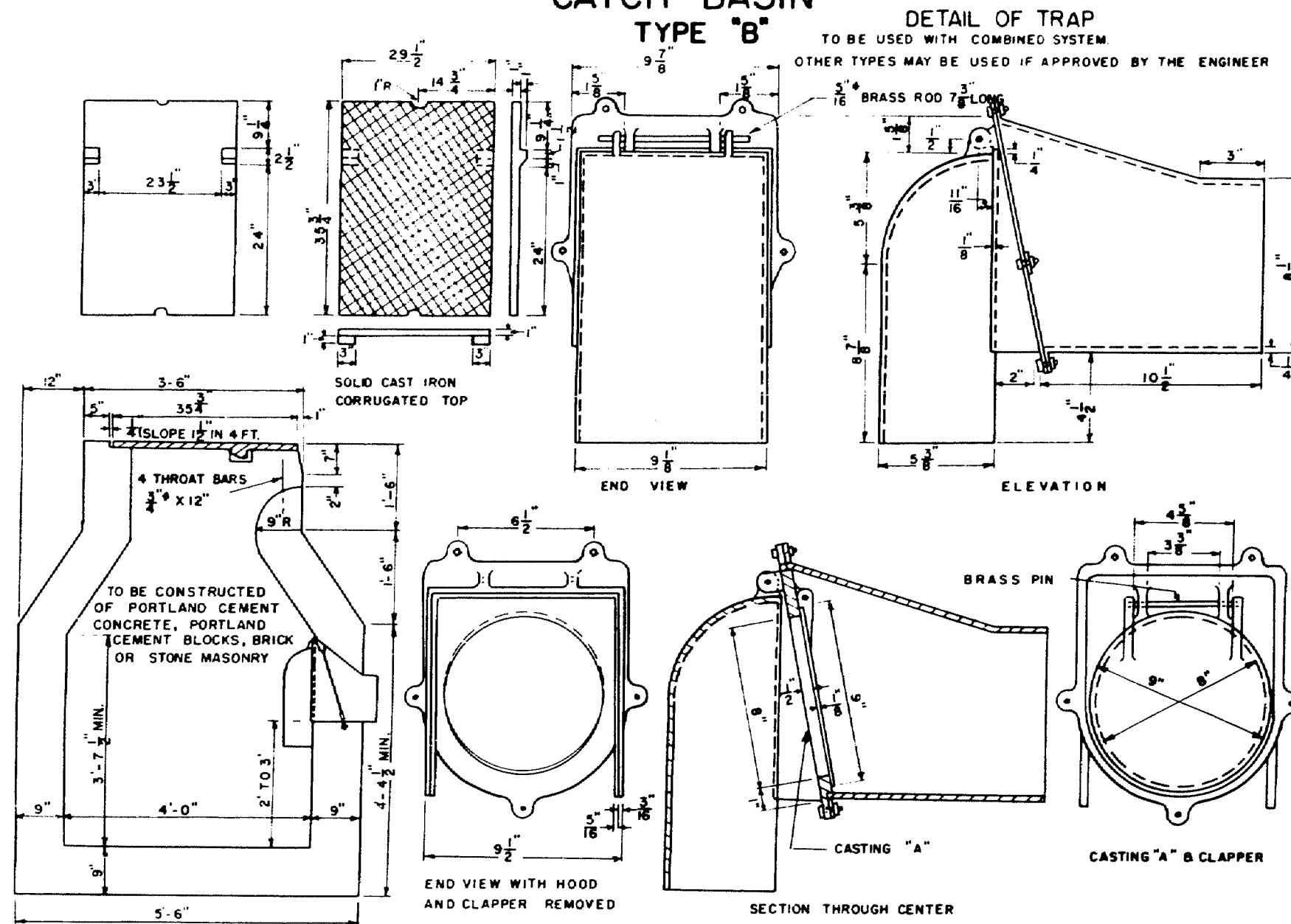
CATCH BASIN TYPE "D"



DROP INLET



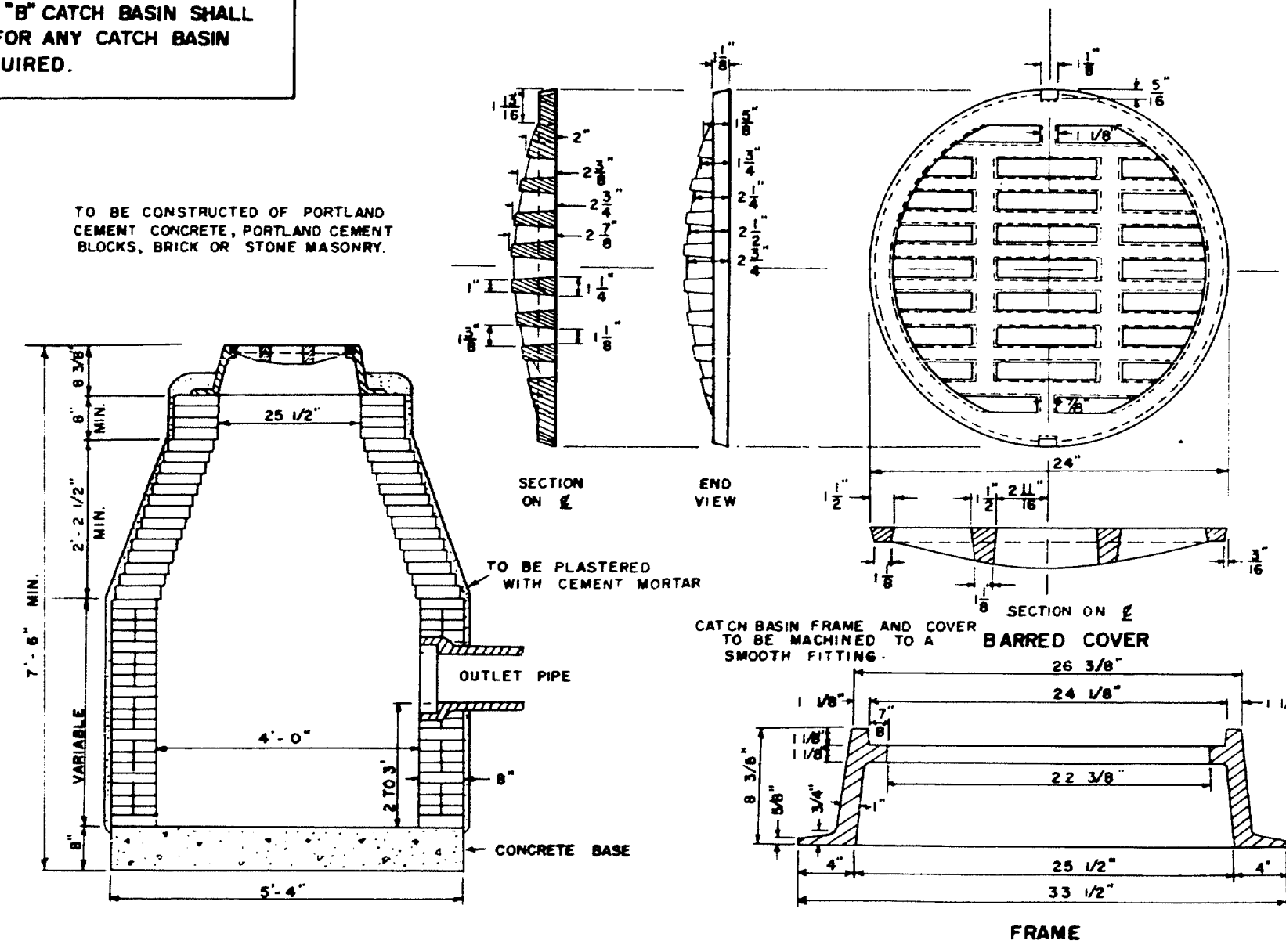
CATCH BASIN TYPE "B"



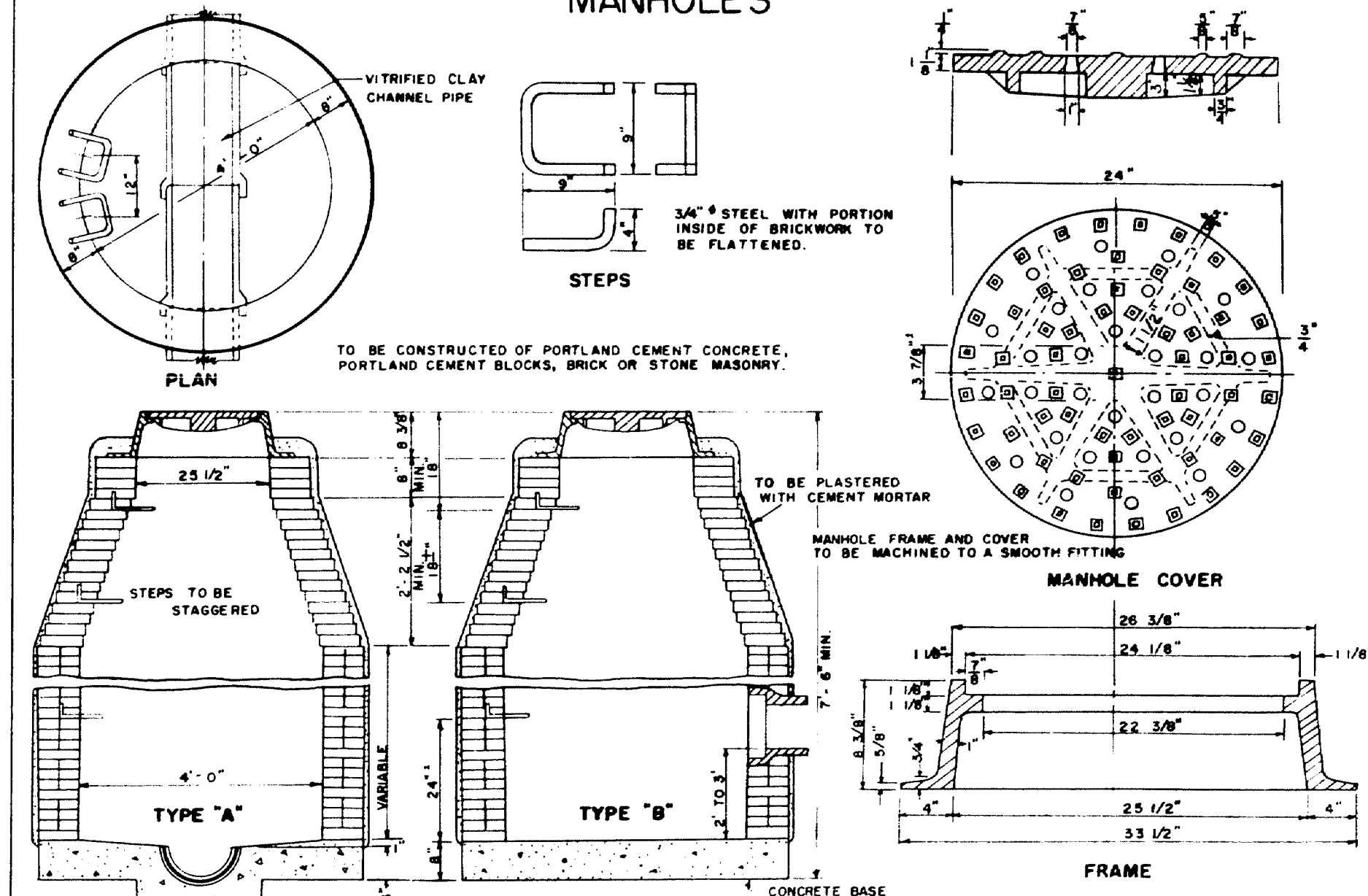
NOTE

TRAPS SIMILAR TO THOSE SHOWN FOR TYPE "B" CATCH BASIN SHALL BE USED FOR ANY CATCH BASIN WHEN REQUIRED.

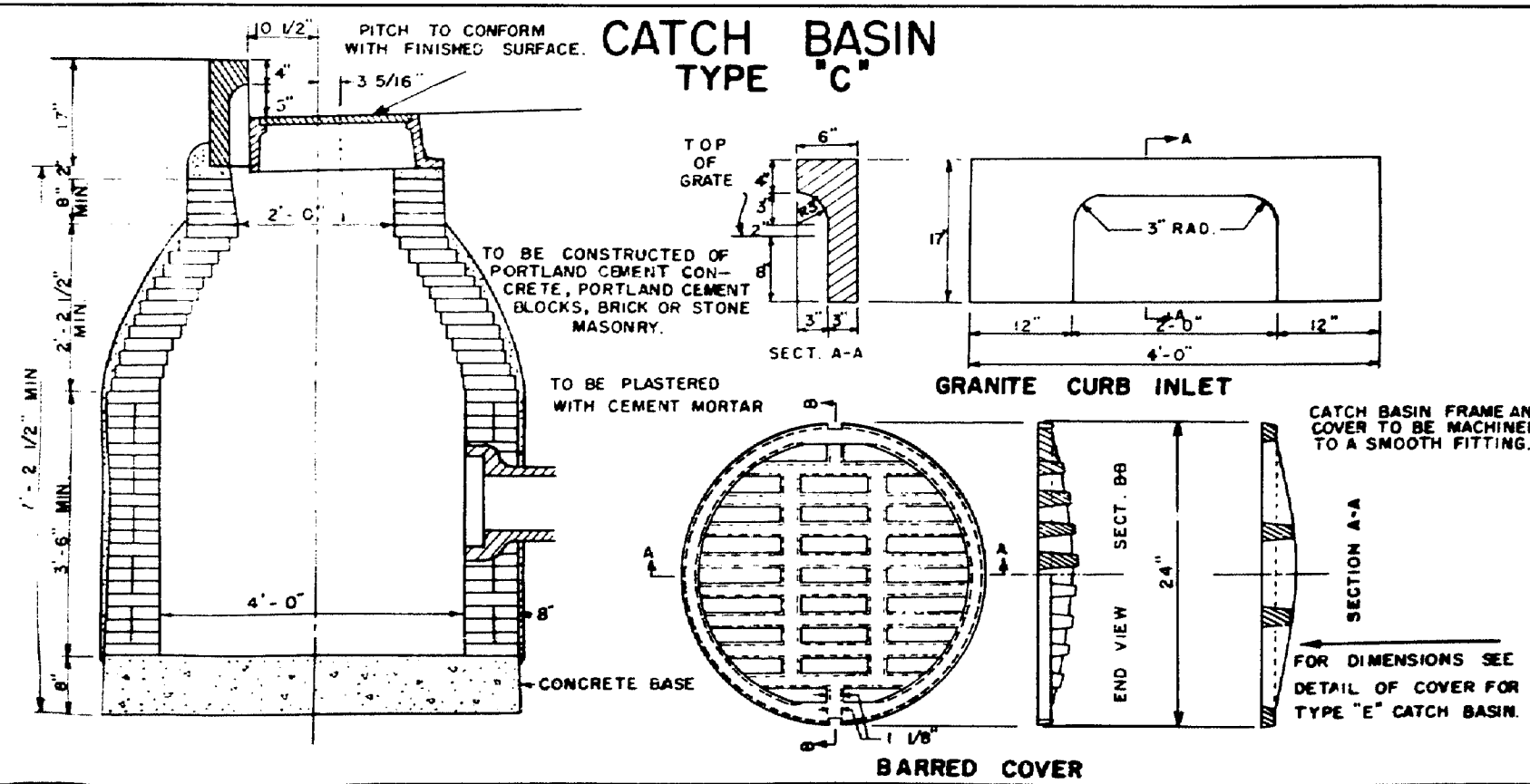
CATCH BASIN TYPE "E"



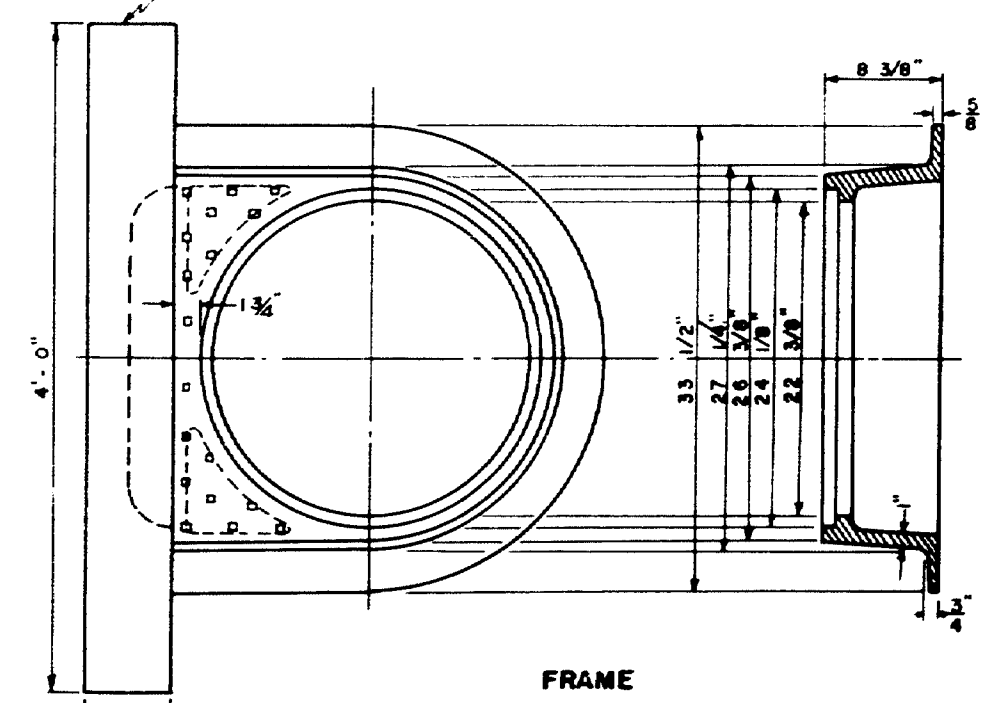
MANHOLES



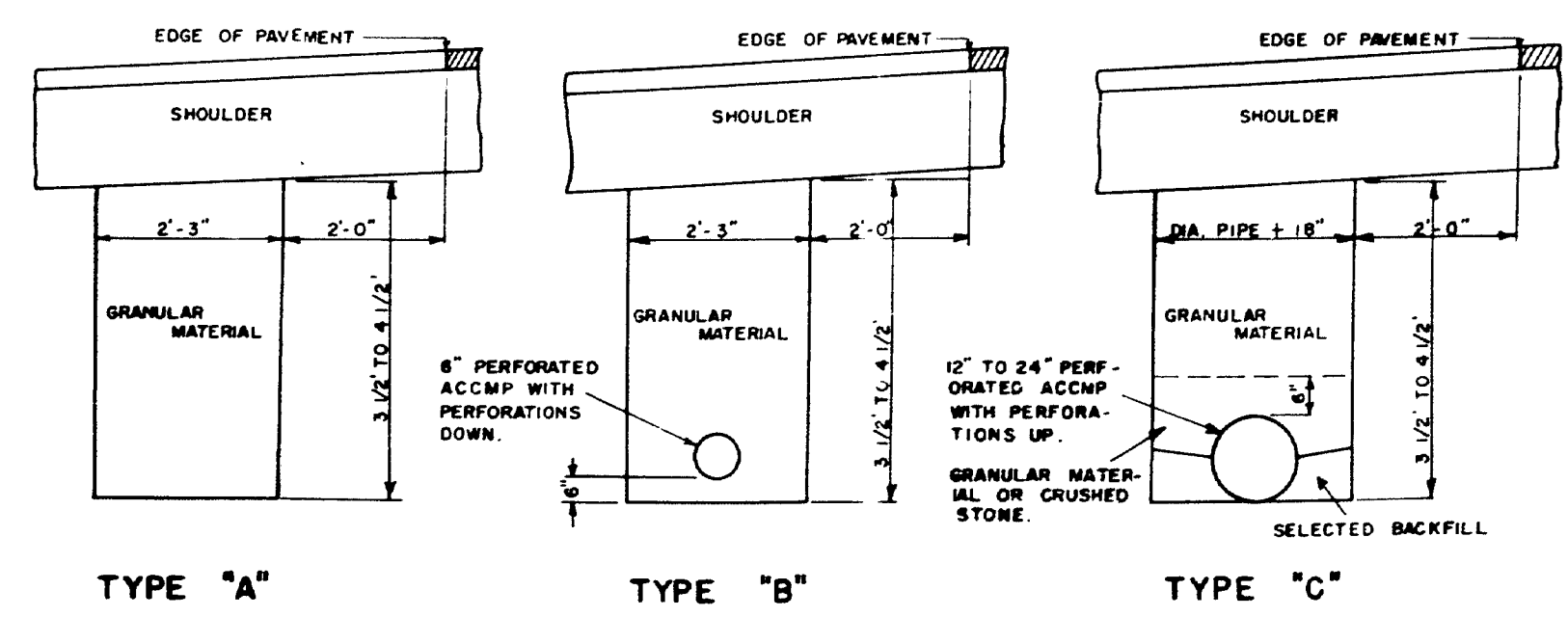
CATCH BASIN TYPE "C"



GRANITE CURB INLET



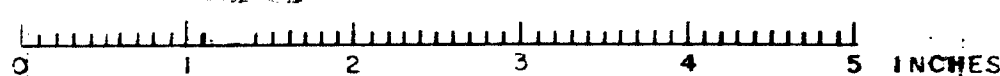
UNDERDRAIN



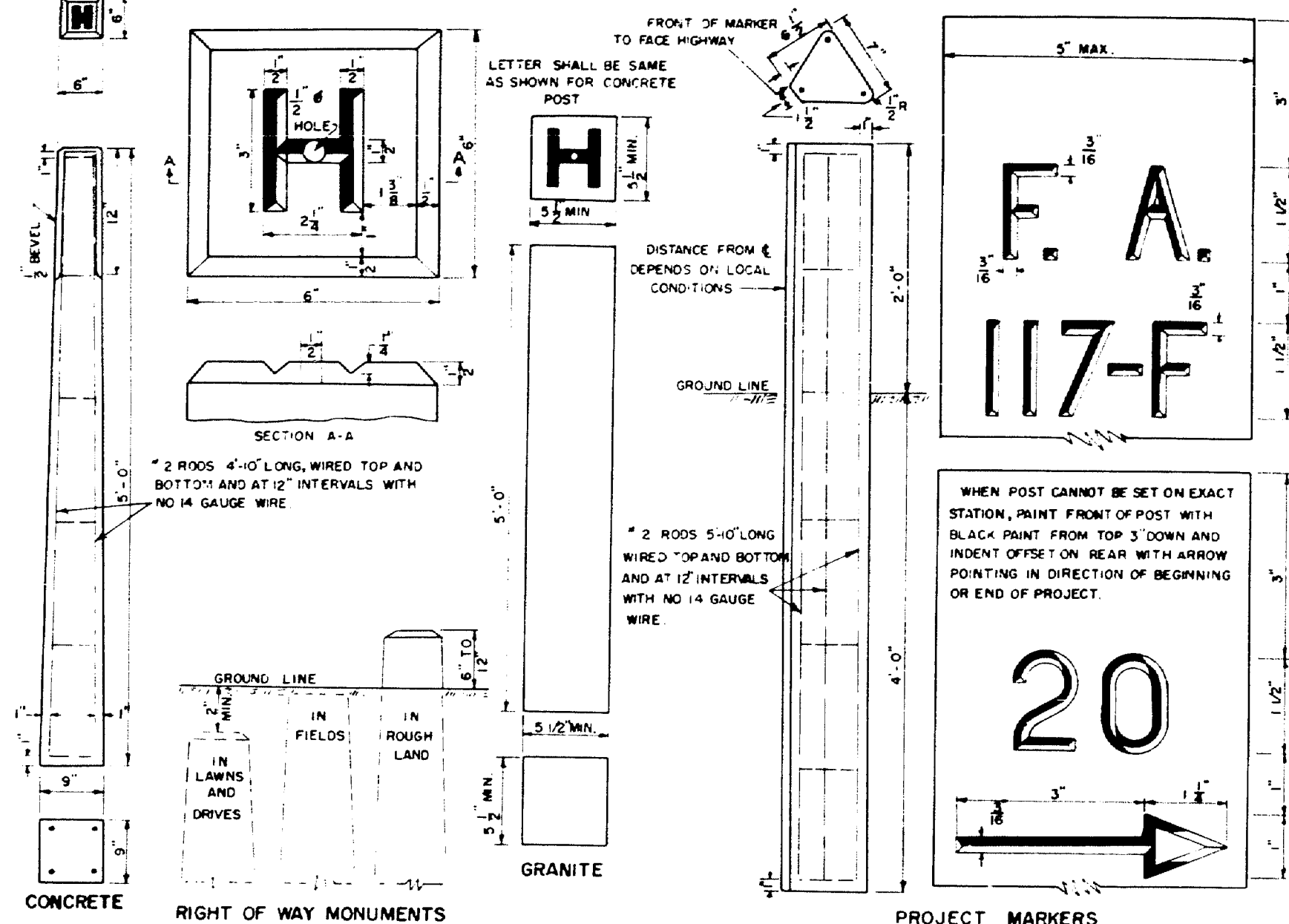
MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

STANDARD DETAILS
CATCH BASINS, MANHOLES,
DROP INLETS AND
UNDERDRAINS

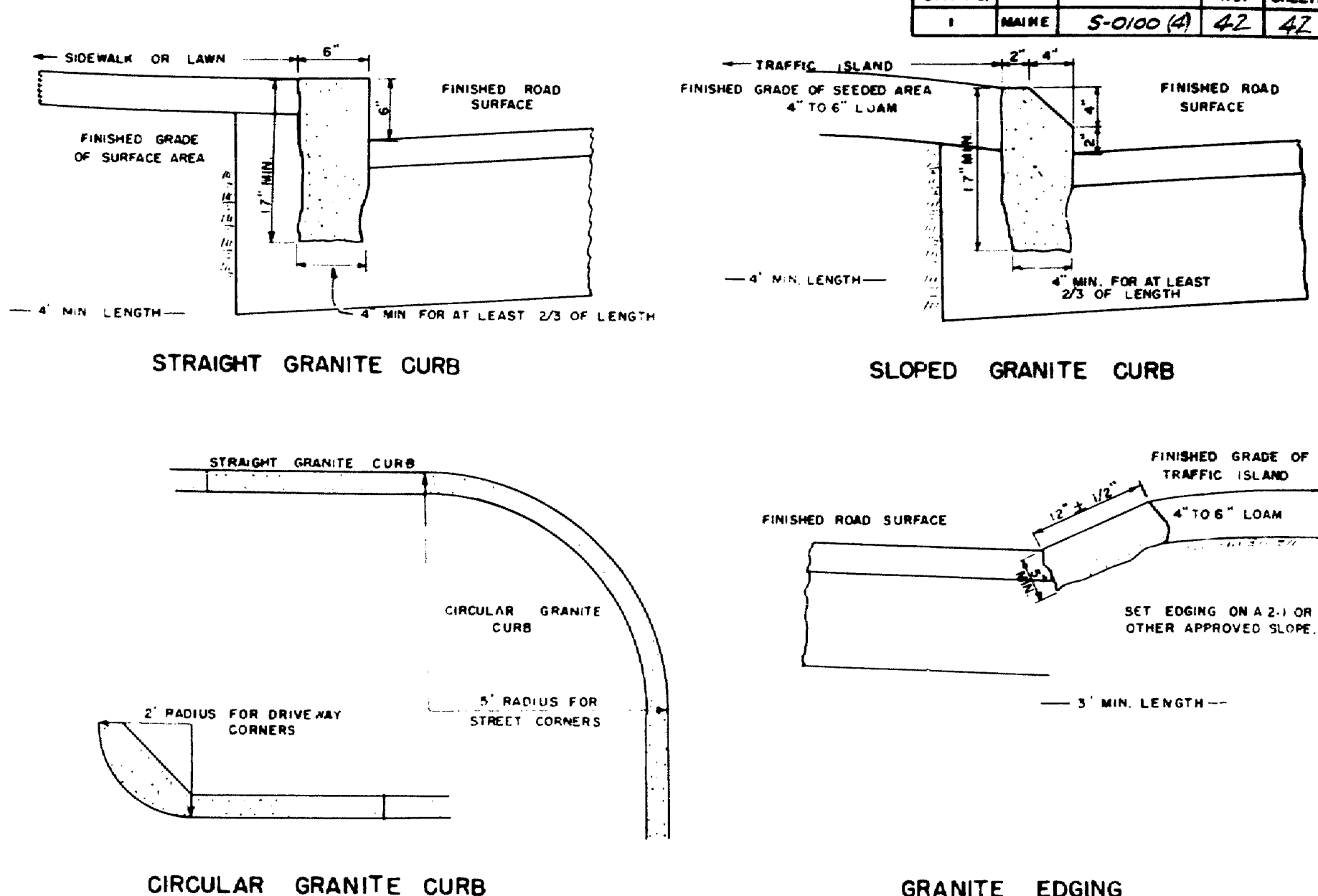
69-145



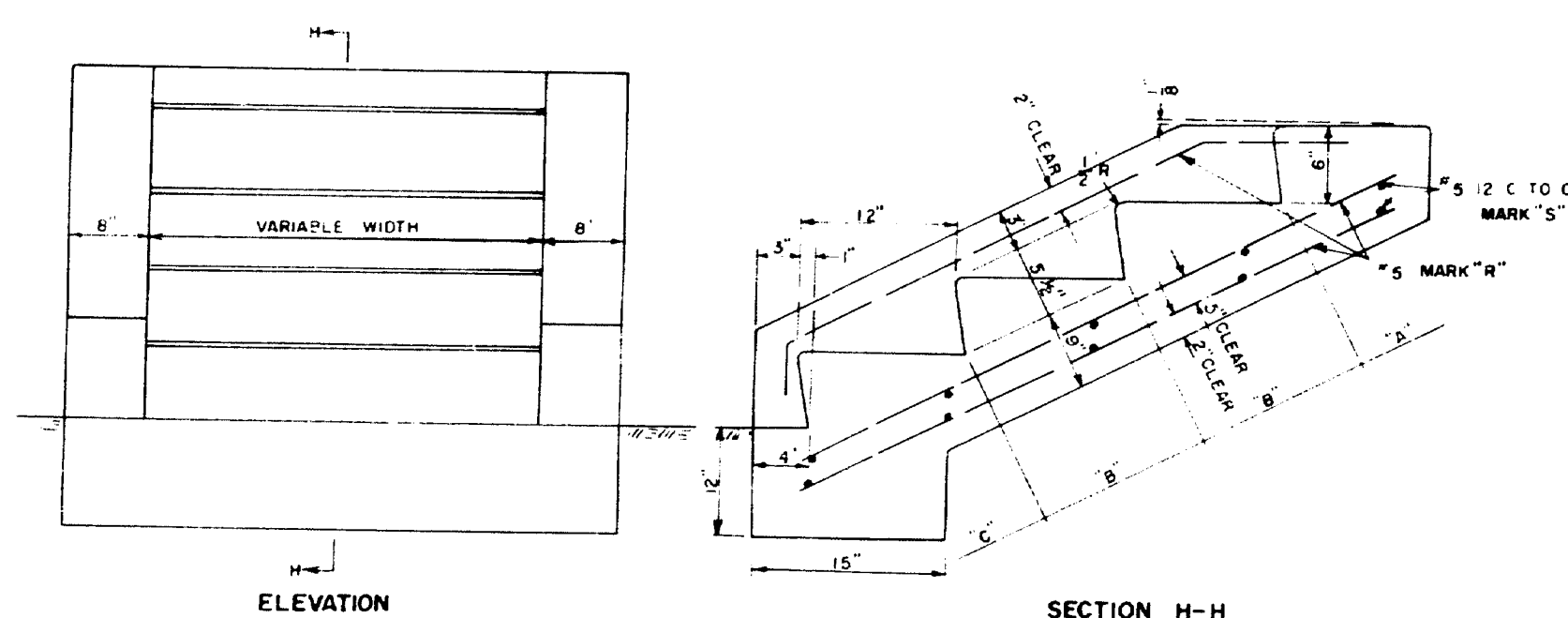
RIGHT OF WAY MONUMENTS & PROJECT MARKERS



GRANITE CURB & EDGING



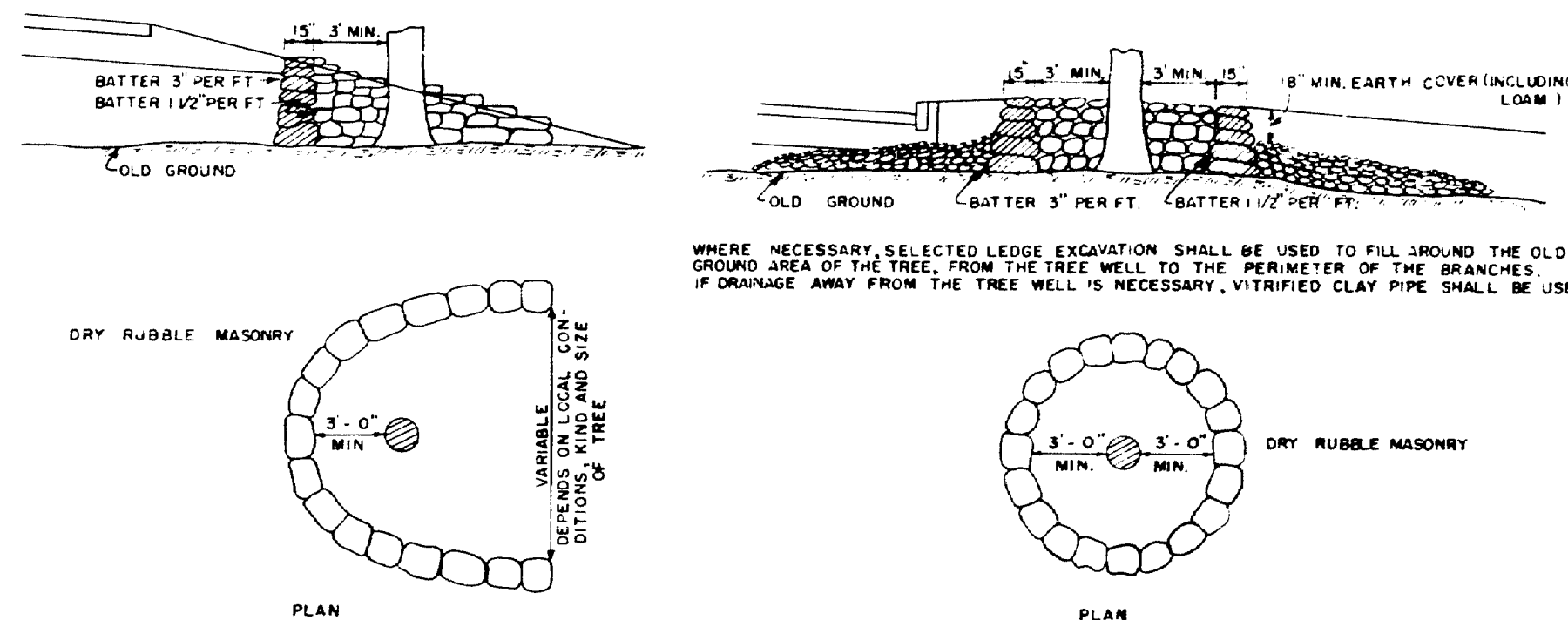
CONCRETE STEPS



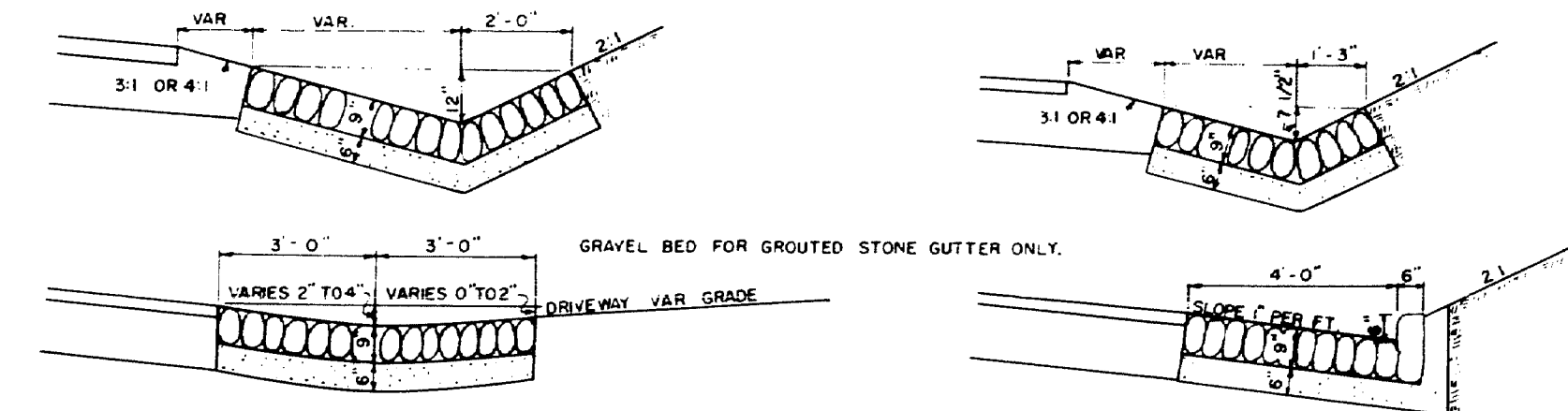
CONCRETE CLASS "A"			
SECTION	STEPS PER FT. OF WIDTH	PARAPET EACH WALL	
"A" HEADER	0.32 CU. YDS.	0.22 CU. YDS.	
"B" EA. INTER ST.	0.40 CU. YDS.	0.40 CU. YDS.	
"C" FOOTER	0.71 CU. YDS.	0.65 CU. YDS.	

REINFORCING STEEL			
MARK	SIZE	NUMBER	LENGTH (EACH)
R	"5"	3 EACH PARAPET	8" FOR "A"
		1043 LBS. PER FT.	+13" FOR EACH "B"
			+16" FOR "C"
S	"5"	2 FOR "A"	6 EACH PARAPET
		1043 LBS. PER FT.	2 FOR EACH "B"
			+12" PER FT. OF WIDTH

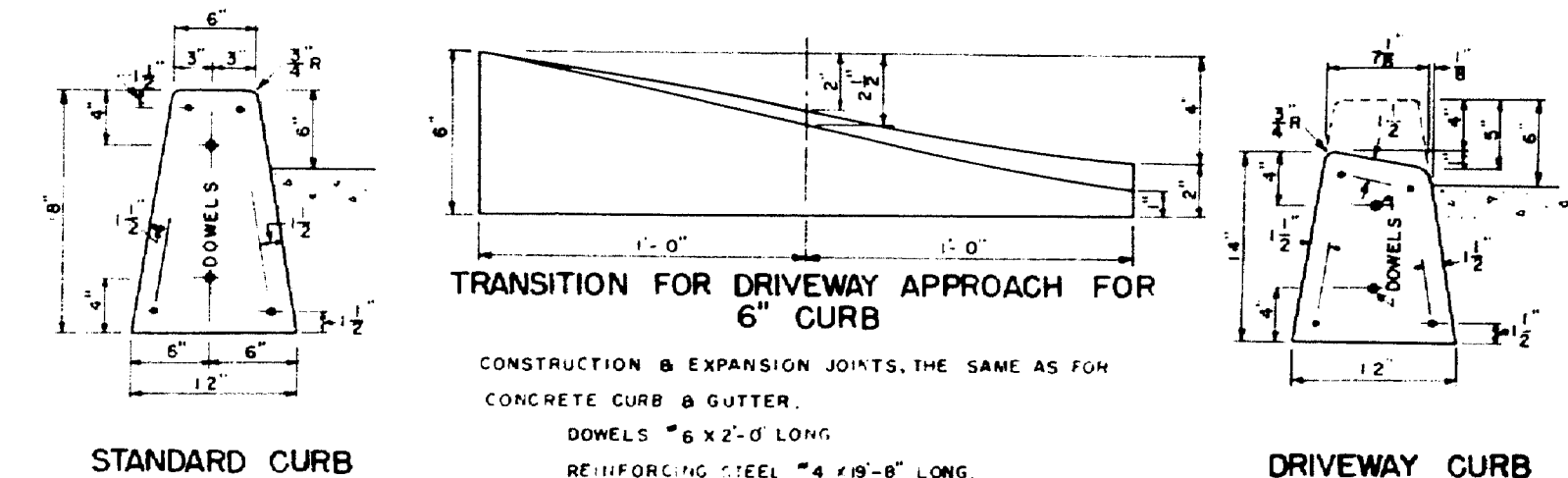
TREE WELLS



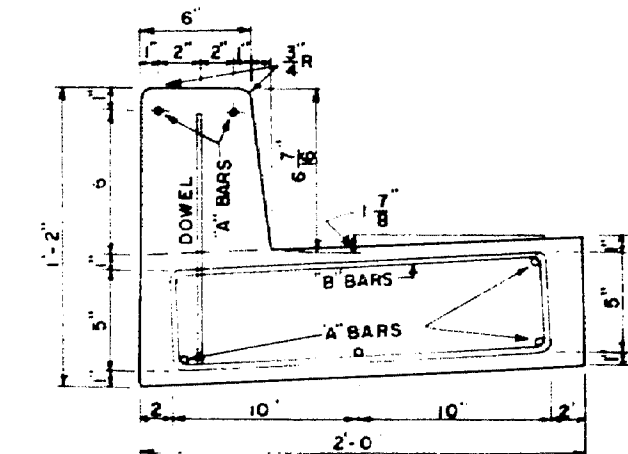
STONE GUTTER



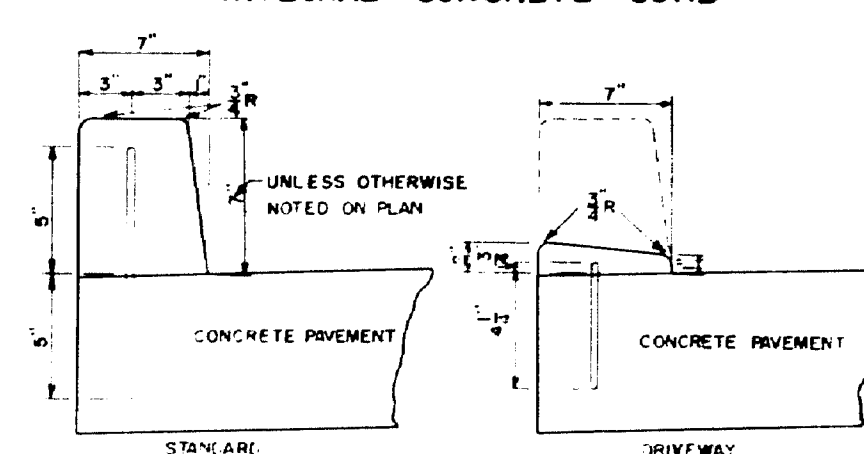
CONCRETE CURB



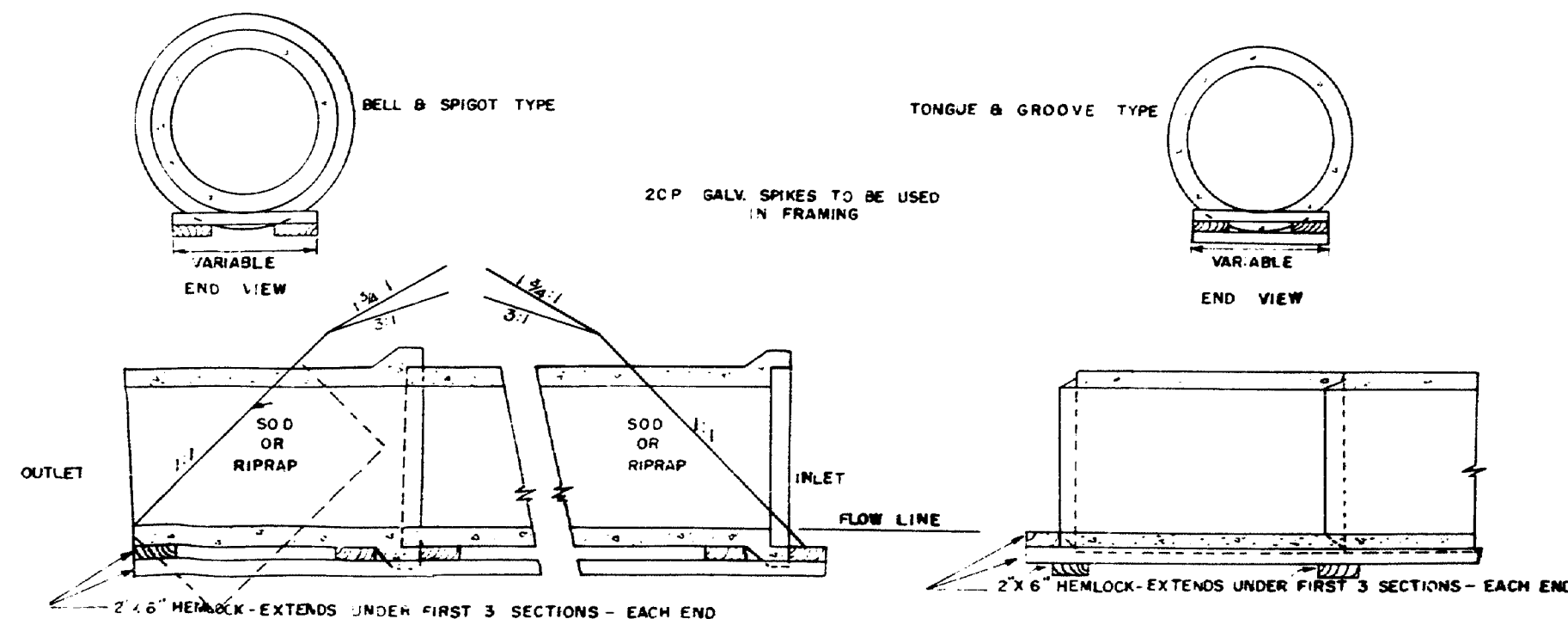
CONCRETE CURB & GUTTER



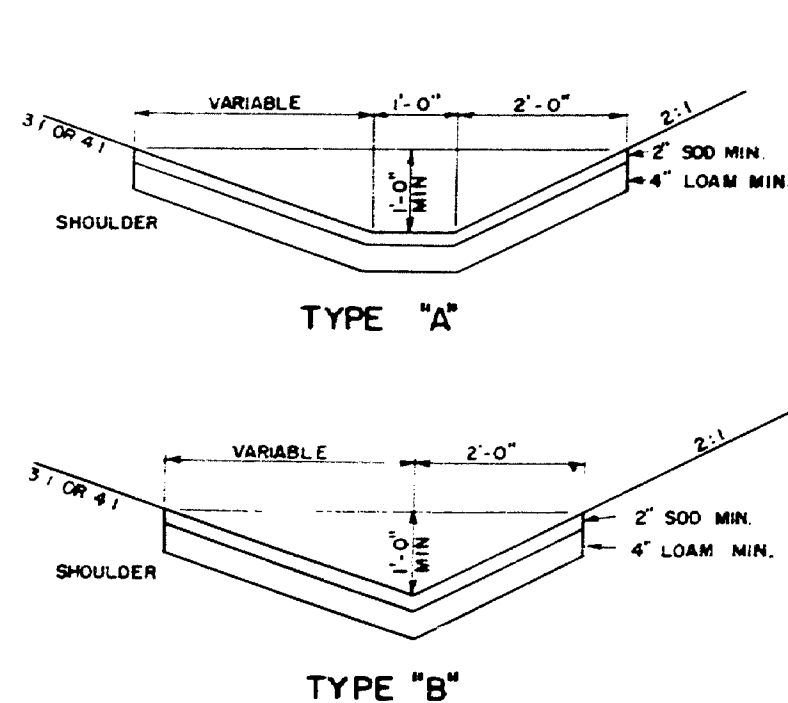
INTEGRAL CONCRETE CURB



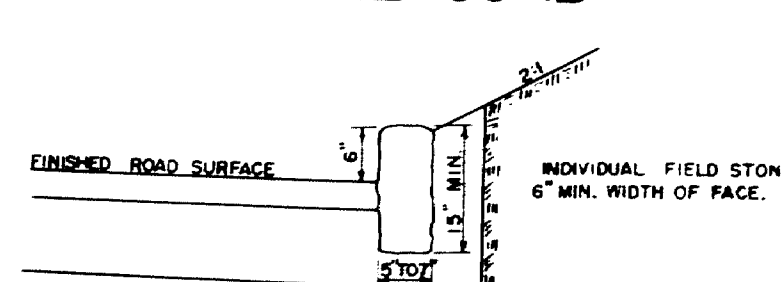
CONCRETE PIPE CRADLE



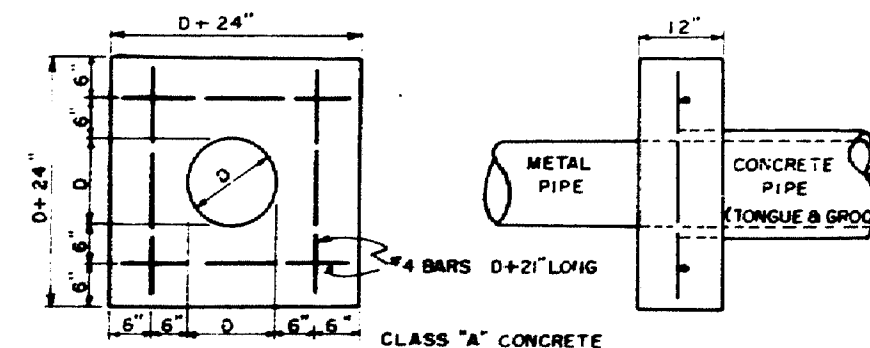
SODDED GUTTER



FIELD STONE CURB



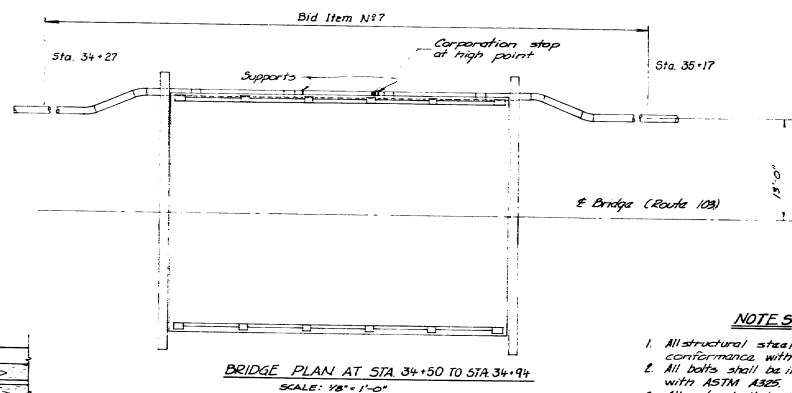
CONCRETE COLLAR



MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

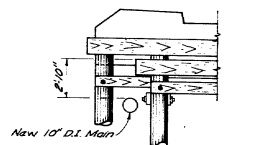
STANDARD DETAILS

MISCELLANEOUS ITEMS

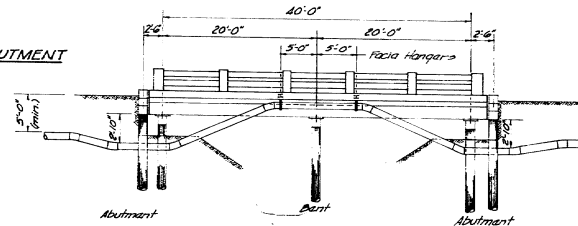


BRIDGE PLAN AT STA. 23+73 TO STA. 24+39.5
SCALE: 1/8" = 1'-0"

BRIDGE PLAN AT STA. 34+50 TO STA. 34+94
SCALE: 1/8" = 1'-0"

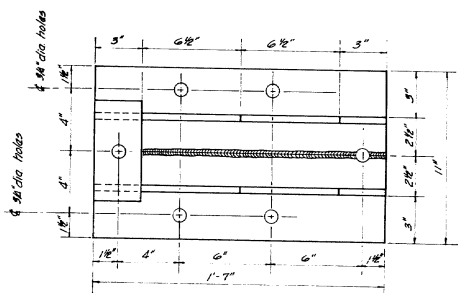


ELEVATION AT ABUTMENT
SCALE: $\frac{1}{4}" = 1'-0"$

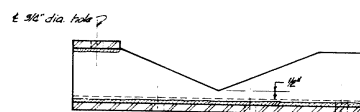


EAST ELEVATION
SCALE: 1/8" = 1'-0"

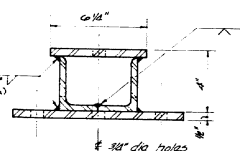
- ### NOTE 5
1. All structural steel shall be in conformance with ASTM A36.
 2. All steel shall be in conformance with ASTM A36.
 3. All rods shall be in conformance with ASTM A36.
 4. All structural steel shall be galvanized after fabrication in accordance with ASTM A153.
 5. All hardware shall be galvanized in accordance with ASTM A153.
 6. The main and the joint flange shall be made with a minimum of 2 inches of insulation. The insulation of the joints shall extend 6" each side of the flange. The joints shall be covered by a vinyl-acrylic mastic.
 7. Use retaining glands at all fittings. Leave center pipe joint on 60° angle.
 8. Aluminum corrugated weatherproof jacket thickness shall be .040".



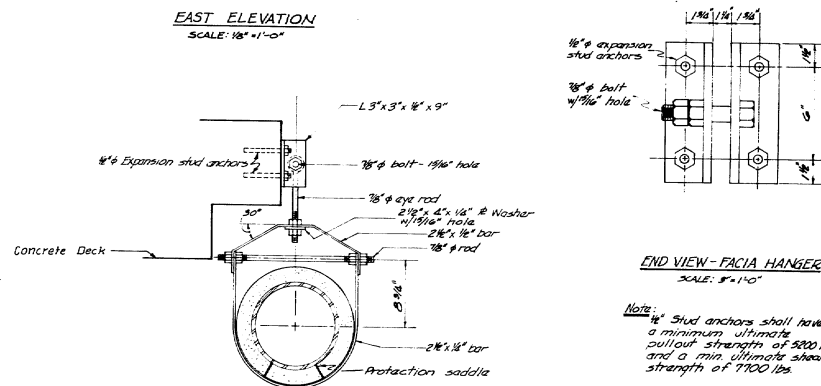
PIPE SEAT PLAN
SCALE: 3"=1'-0"



ELEVATION
SCALE: 3" = 1'-0"

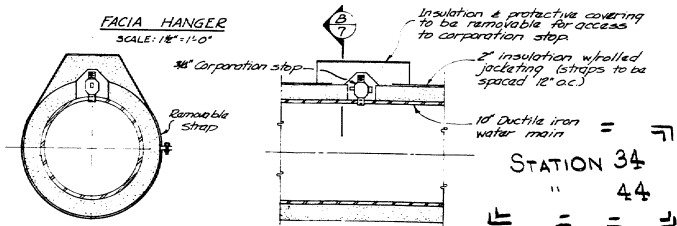


END VIEW
SCALE: 3" = 1'-0"



END VIEW - FACIA HANGER
SCALE: 1/8" = 1'-0"

- Note:
#2 Stud anchors shall have
a minimum ultimate
pullout strength of 5200
and a min. ultimate shear
strength of 7700 lbs.



FACIA HANGER
SCALE: 1" = 1'-0"

DETAIL AT CORPORATION STOP
not to scale

STATION 34

44

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Br. # 5848 & Br. # 5849

SECTION (B)
not to scale 7

R88-50