

B.P.R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-95-7(42)	7	35

STATE OF MAINE
STATE HIGHWAY COMMISSION



JOHNSON FLAT ROAD

OVER

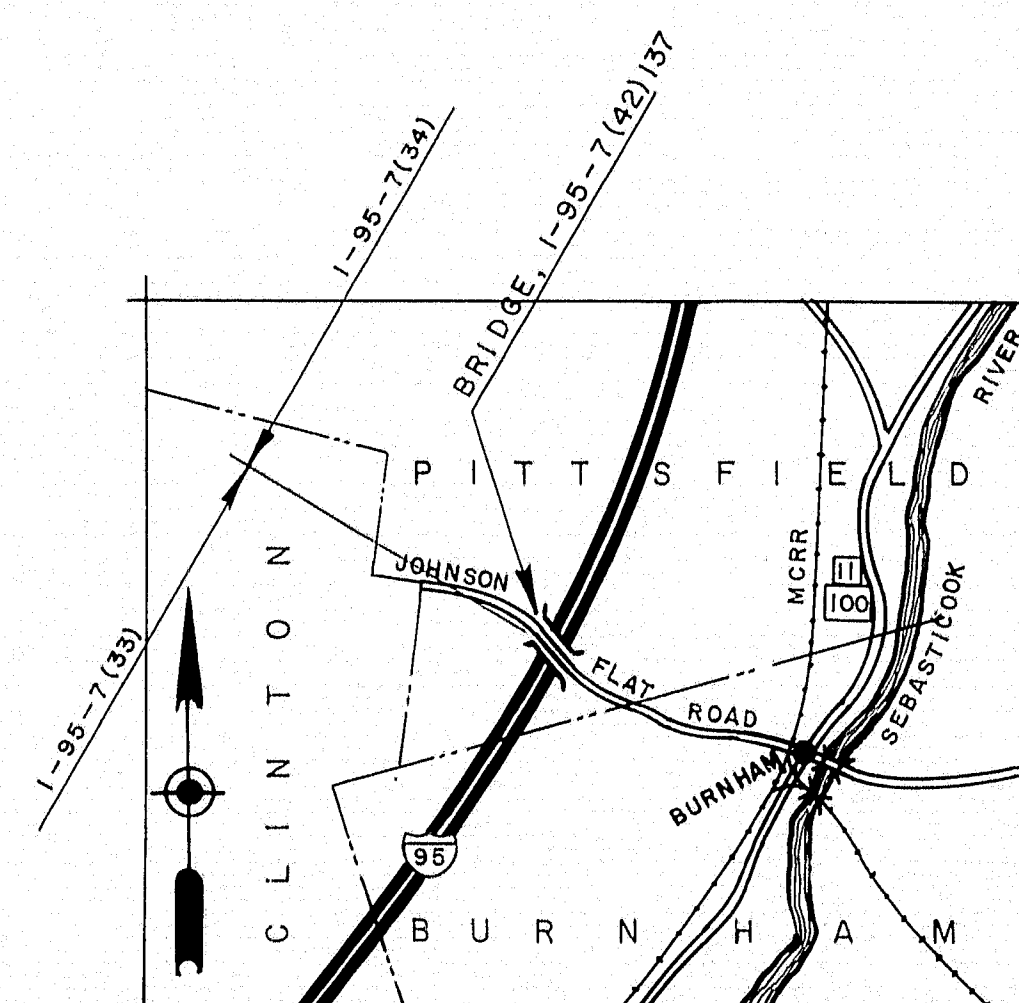
INTERSTATE 95

IN THE TOWN OF

PITTSFIELD

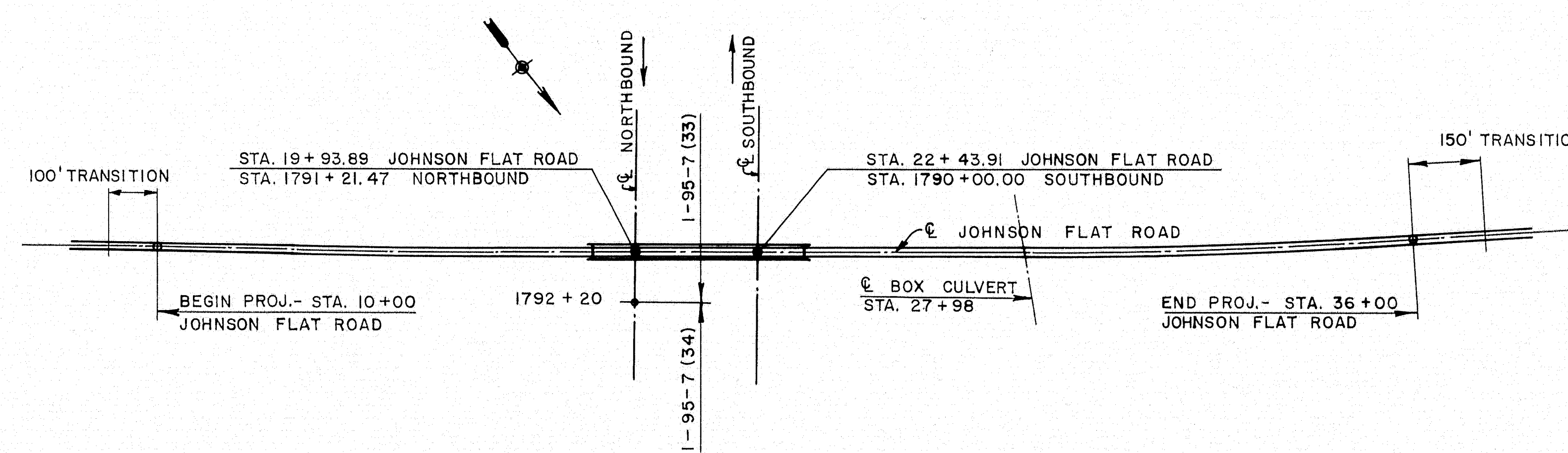
SOMERSET COUNTY

FEDERAL AID PROJECT NO. I-95-7(42)137



LOCATION MAP

APPROX. SCALE - 1" = 1 MILE



LAYOUT

SCALE - 1" = 200'

SCALES

SURVEY - HOR. 1" = 50', VERT. 1" = 5'
CROSS SECTIONS - 1" = 5'

TRAFFIC

A.D.T. 1962 20
A.D.T. 1982 30
D.H.V. 4
T 11%
D 60%

APPROVED
MAINE STATE HIGHWAY COMMISSION

Don H. Shaw
CHAIRMAN
Charles E. Shaw
CHIEF ENGINEER

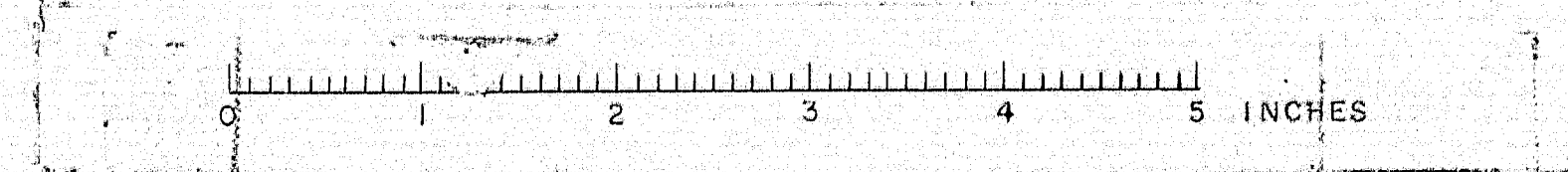
5/8/63
DATE

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
REGION 1

APPROVED

DIVISION ENGINEER

DATE



SPECIFICATIONS

DESIGN: A.A.S.H.O. Standard Specifications for Highway Bridges, 1961, with Interim Specifications

CONTRACT: State of Maine, State Highway Commission, Standard Specifications, Highways and Bridges, Revision of January 1956, and Supplemental Specifications, 1963.

LIVE LOADING

H20-14

ALLOWABLE STRESSES

Structural Steel - A.S.T.M. A7, $f_s = 18,000$ p.s.i.

Structural Steel - A.S.T.M. A36, $f_s = 20,000$ p.s.i.

Reinforcing Steel, intermediate grade, $f_s = 20,000$ p.s.i.

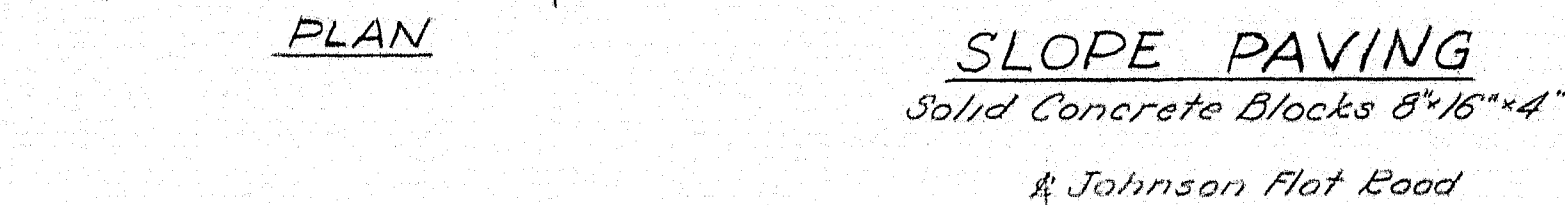
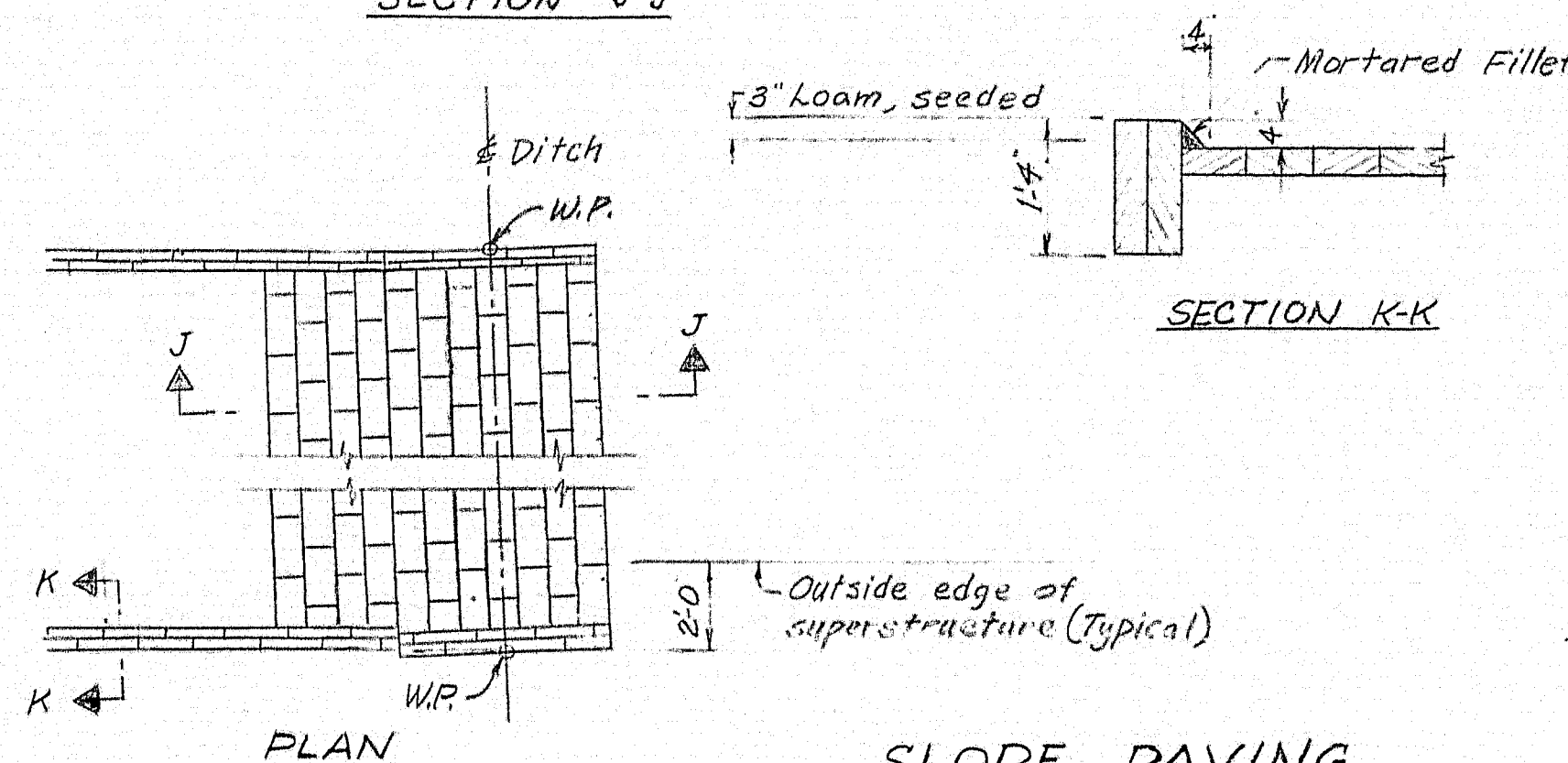
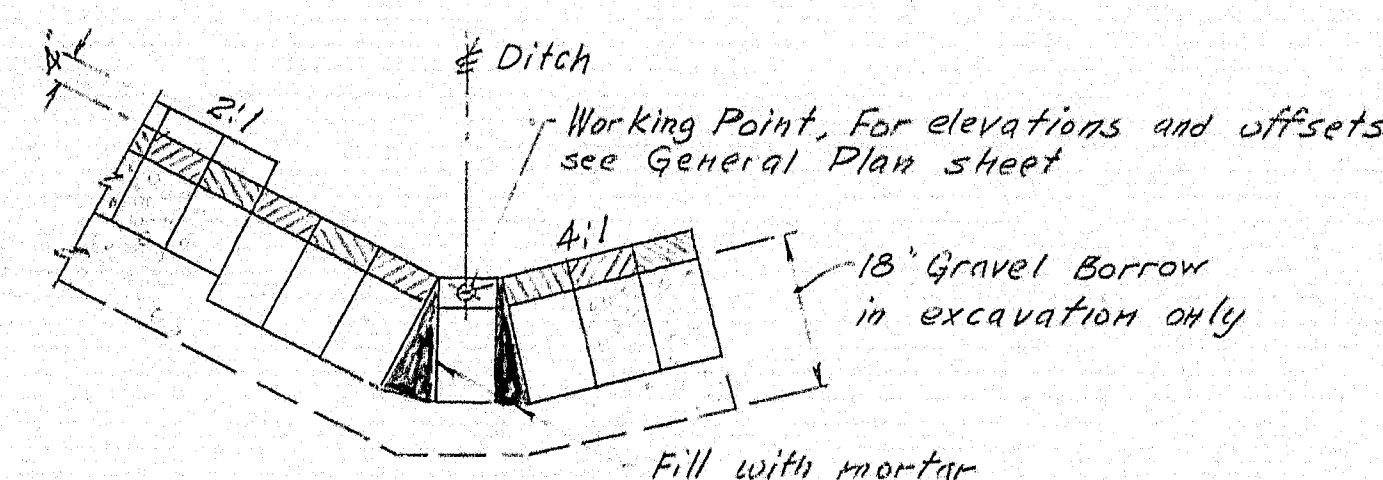
Concrete - $f_c = 1,200$ p.s.i. $n = 10$

CONCRETE CLASSIFICATION

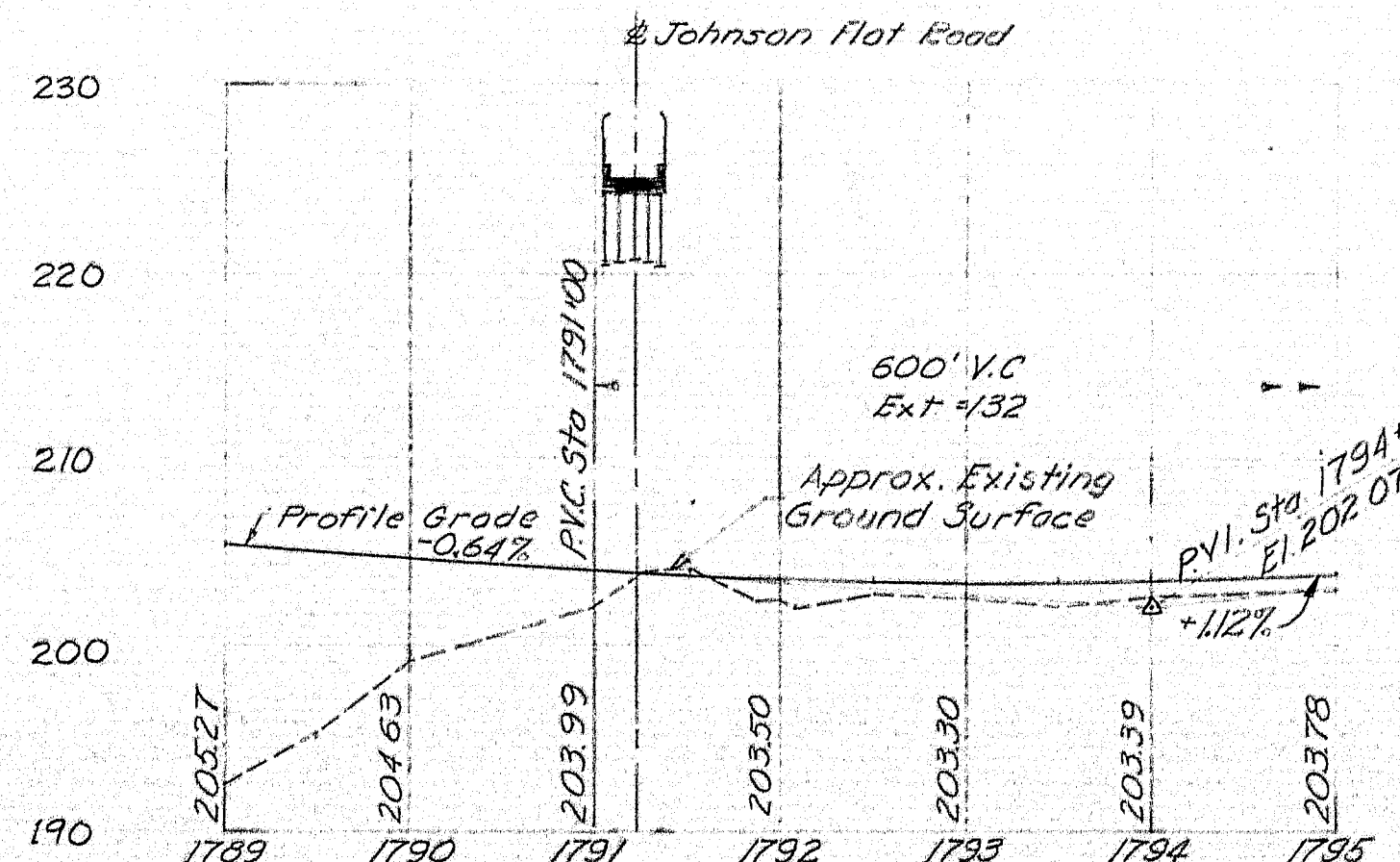
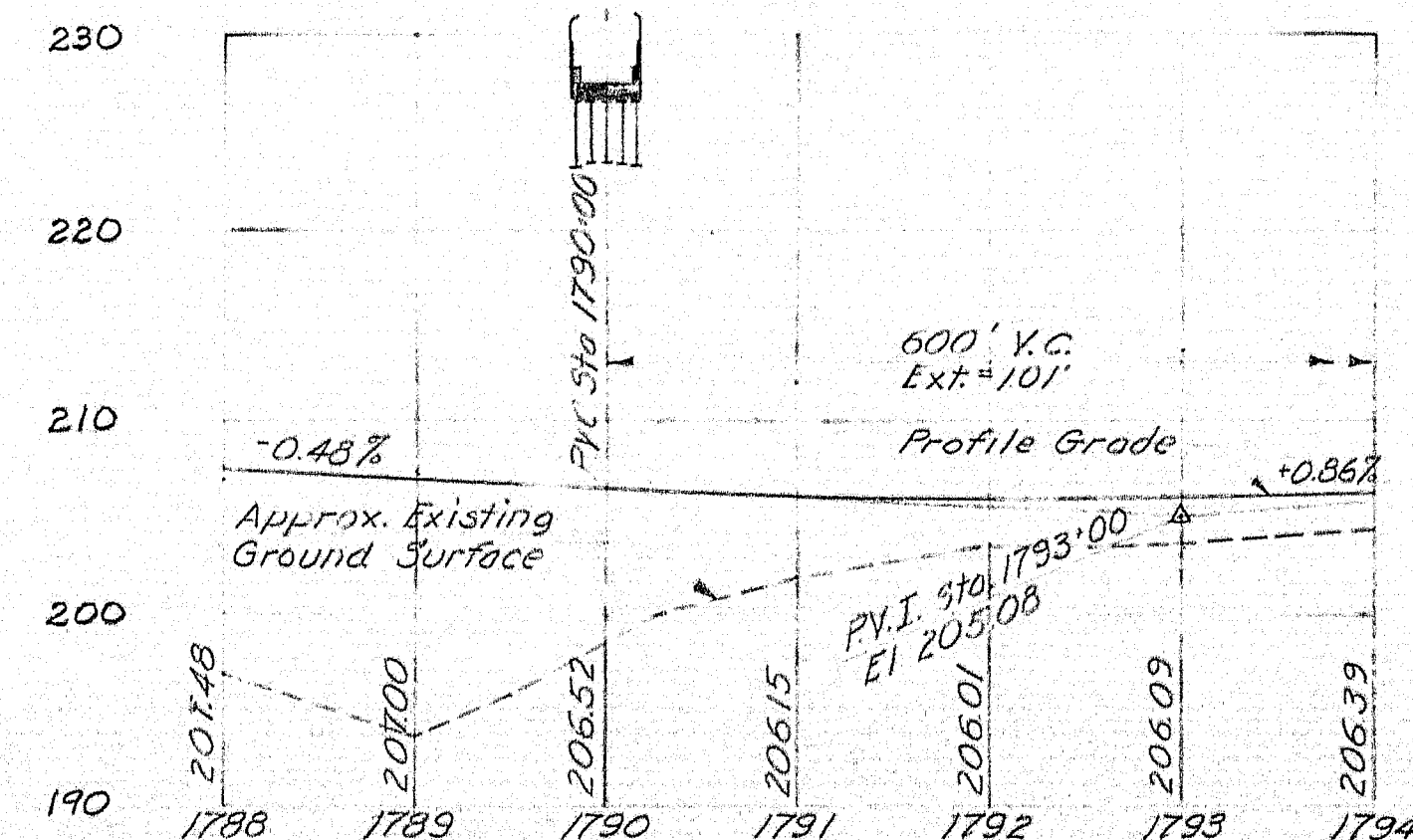
All Concrete - Class "A"

ELEVATIONS

Elevations are based on Bench Mark "51A, Vertical Spike in root of 8" Birch Tree, located at Sta. 1787+00 N.B. off 130' Left. ± 200.10 .



SLOPE PAVING
Solid Concrete Blocks 8' x 16' x 4"
Johnson Flat Road



SLOPE PAVING NOTE

The 18' Gravel Borrow under the Slope Paving may be reduced or omitted if in the opinion of the Engineer the existing material is suitable. Payment for excavation for Gravel Borrow under Slope Paving to be made under Item 204-14, Structural Earth Excavation, Piers. See Supplemental Specifications for alternate Slope Paving.

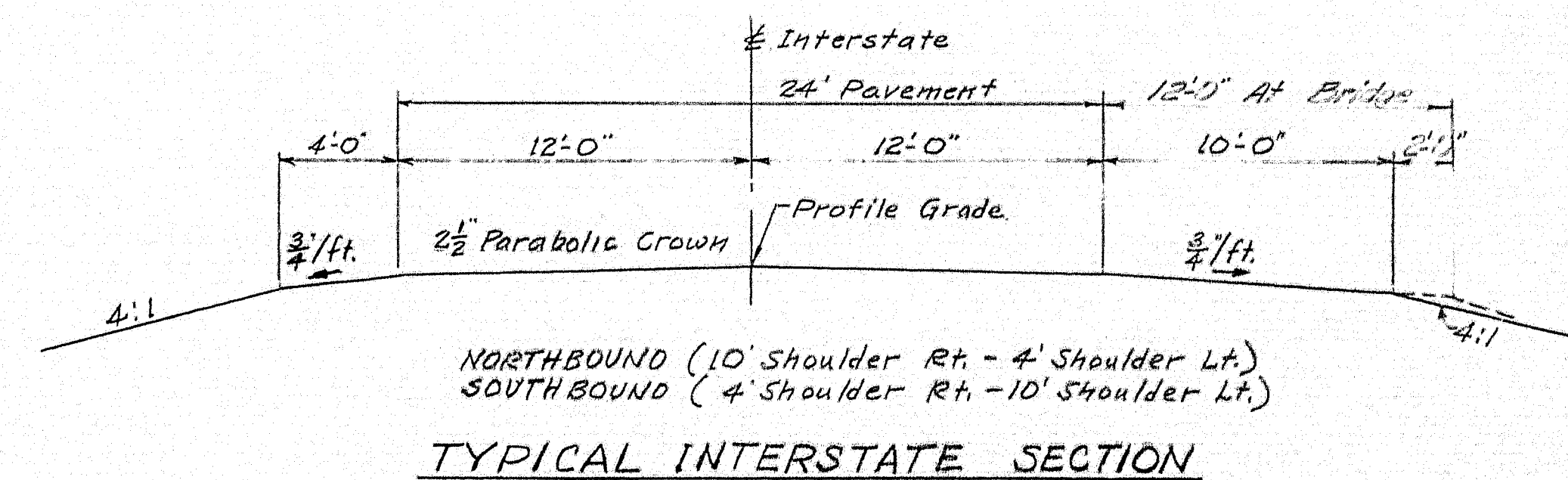
Estimated Weight of Structural Steel including Drains = 325,100 lbs

ESTIMATE OF QUANTITIES

ITEM	UNIT	Quantities		
		Structure	Approaches	Totals
Earth Excavation	CY		2175	2175
Structural Earth Excavation - Drainage	CY		760	760
Structural Earth Excavation - Piers	CY	450		450
Structural Earth Excavation - Channel	CY		2800	2800
Borrow	CY		53,300	53,300
Gravel Borrow In Place Measurement	CY		10,050	10,050
Gravel Base Course In Place Measurement	CY		4520	4520
Gravel Surface Course	CY		560	560
Bituminous Concrete Surface Course, Type "B"	Tons	150		150
Road Tar	Gals		3600	3600
15-inch Corrugated Metal Pipe	LF		31	31
Portland Cement Concrete, Abutments & Retaining Walls	CY	210		210
Portland Cement Concrete, Piers	CY	275		275
Portland Cement Concrete, Roadway & Sidewalk on Steel Bridges	CY	465		465
Portland Cement	Bbls	1425	520	1945
Portland Cement Concrete, Reinforced Box Culverts	CY		345	345
Structural Steel - Fabricated & Delivered	L.S.	Lump Sum		Lump Sum
Structural Steel - Erection	L.S.	Lump Sum		Lump Sum
Structural Steel, Field Painting	L.S.	Lump Sum		Lump Sum
Reinforcing Steel, Delivered	Lbs.	188,400	58,300	196,700
Reinforcing Steel, Pacing	Lbs.	188,400	58,300	196,700
Cofferdams for Box Culvert	L.S.		Lump Sum	Lump Sum
French Drains	CY		130	130
Bridge Rail	LF	120		120
Membrane Waterproofing	SF	1340		1340
Epoxy Resin Surface Sealant	SF	65		65
Slope Paving	SF		445	445
Granite Bridge Curb	LF	930		930
Guard Rail Type "E"	L.F.		2270	2270
Guard Rail Type "E" - Terminal Section	Ea.		4	4
End Wings	Ea.		4	4
Loam Borrow	CY		1085	1085
Seeding - Method No. 2	Units		120	120
Hay Mulch	Tons		54	54
Asphalt Mulch Binder	Gal.		540	540
Hand Laid Riprap	CY		40	40

INDEX OF SHEETS

SHEET NO.	TITLE
1	Title Sheet
2	Index, Quantities, Specifications, Profiles, Slope Paving
3, 4, 5	Survey
6 thru 18	Cross Sections
19	General Plan and Elevation
20	Foundation Survey
21	Boring Details
22	Abutment #1
23	Abutment #2
24	Piers
25	Framing Plan
26	Structural Steel Details
27	Blocking Details
28	Superstructure Spans 7' x 2
29	Superstructure Spans 2' x 3, 4' x 6
30	Superstructure Span #6
31	Reinforcing Steel Schedule
32	Box Culvert - Upstream Layout
33	Box Culvert - Downstream Layout
34	Box Culvert - Reinforcing
35	Box Culvert - Reinforcing Steel Schedule
BD101-62	Standard Details - Bearing Pedestals
BD102-62	Standard Details - Bridge Rail
BD103-62	Standard Details - Beam Splices
BD104-62	Standard Details - Diaphragms, Armored Joint, Splice Connectors, Drain
2-62	Standard Details - Guard Rail Type "E", etc.



DESIGN - C.D.H.	DETAIL - B.S.H.	BRIDGE NO.
TRACE - C.D.H.	SURVEY - B.S.H.	
CHECK - J.V.M.	PLOT -	

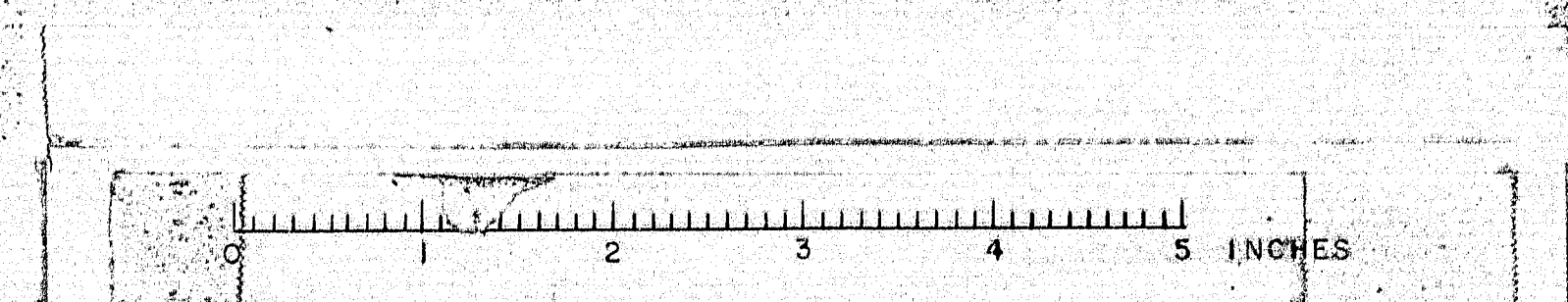
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

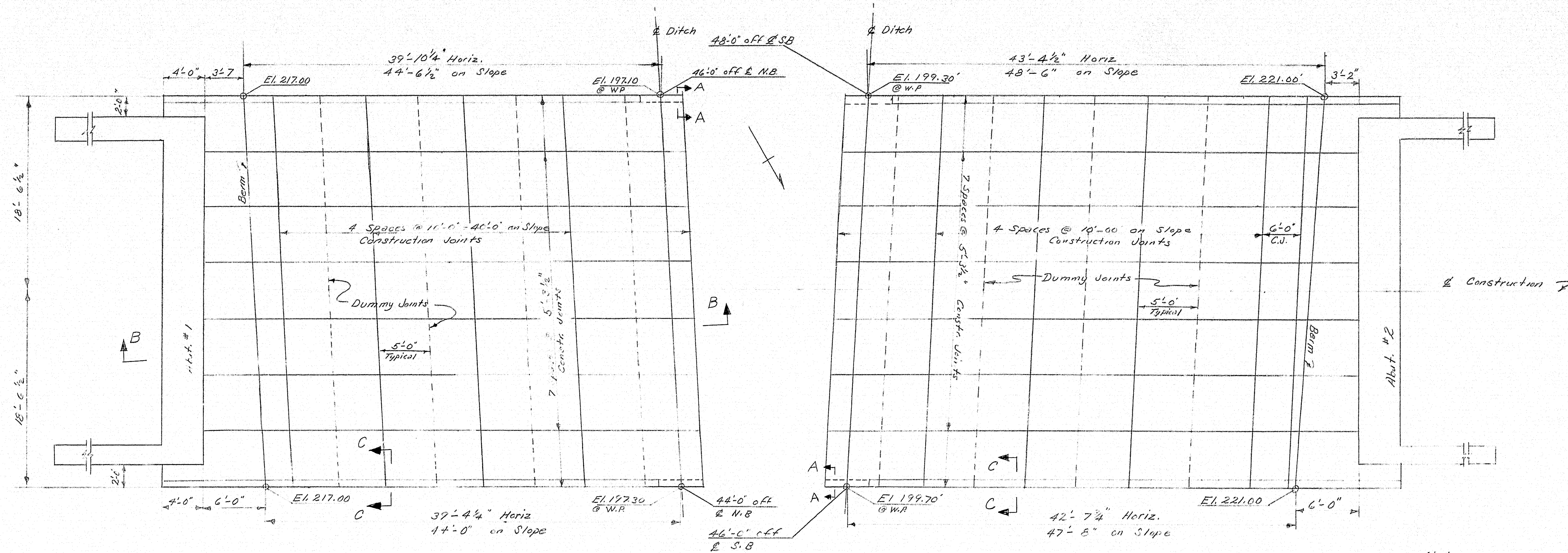
**JOHNSON FLAT ROAD
OVER
INTERSTATE 95**

IN THE TOWN OF
PITTSFIELD
SOMERSET COUNTY

INDEX, QUANTITIES, SPECIFICATIONS
PROFILES, SLOPE PAVING

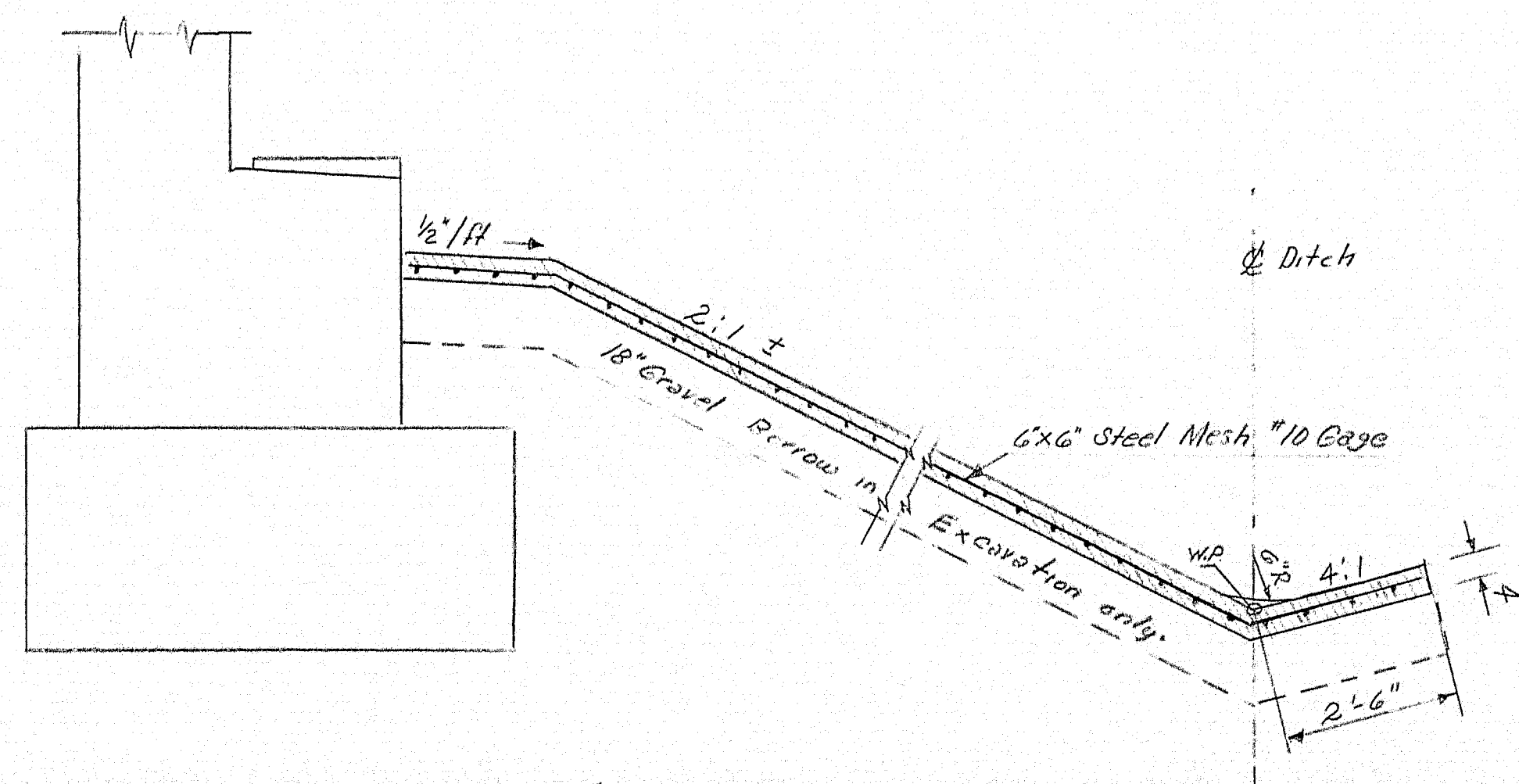
SHEET 2 OF 35 AUGUSTA, MAINE APRIL 1963



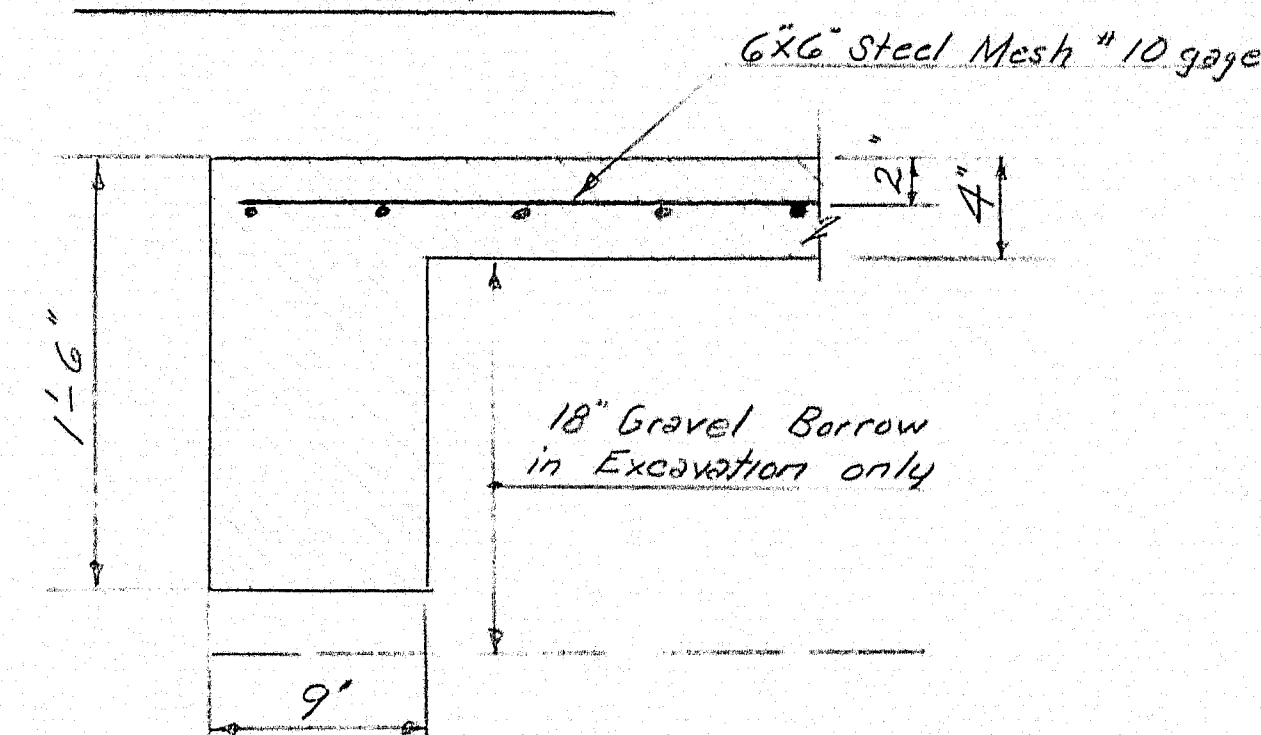


PLAN ABUT. #1

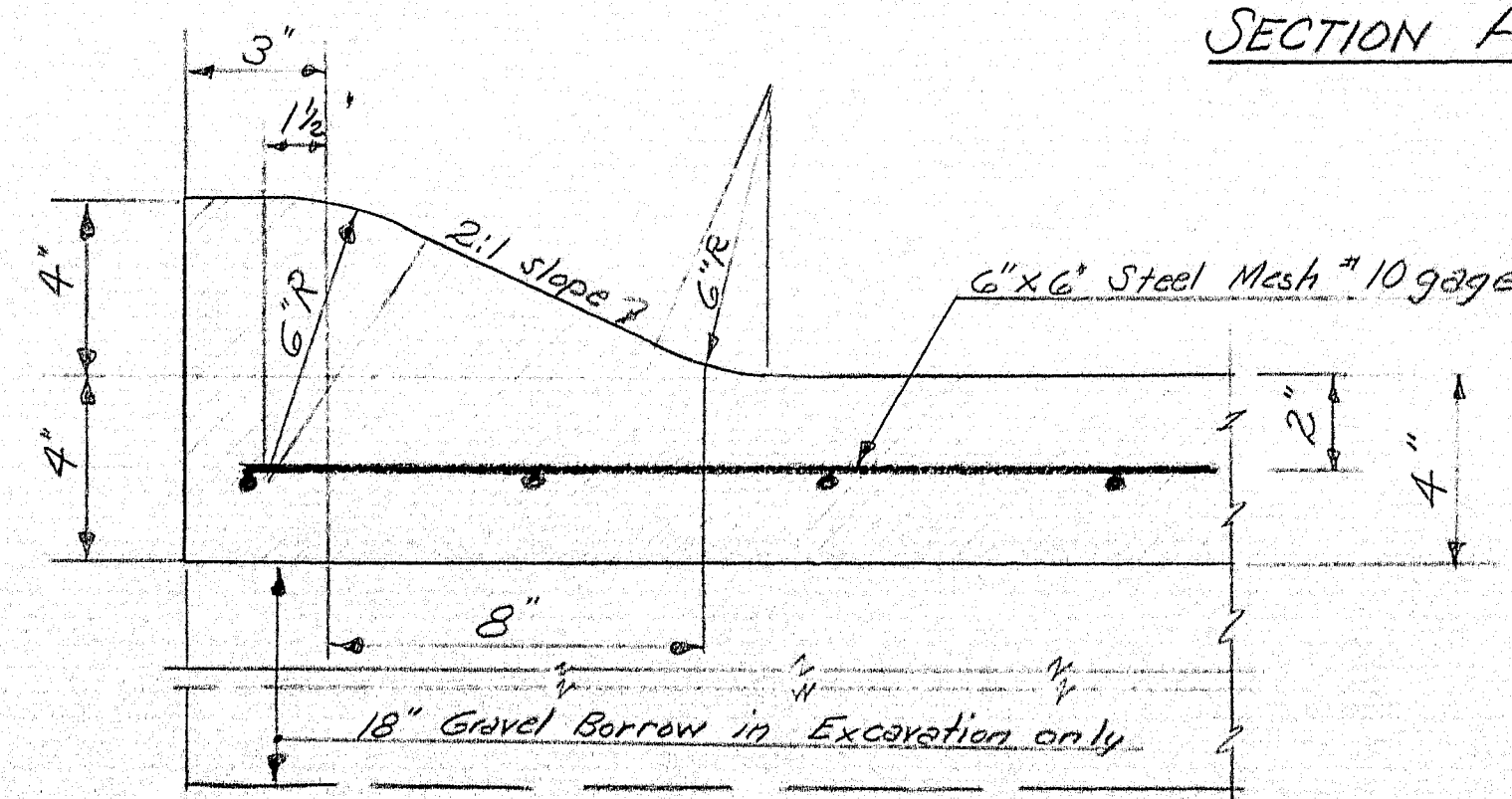
PLAN ABUT. #2



SECTION "B-B"



SECTION "A-A"

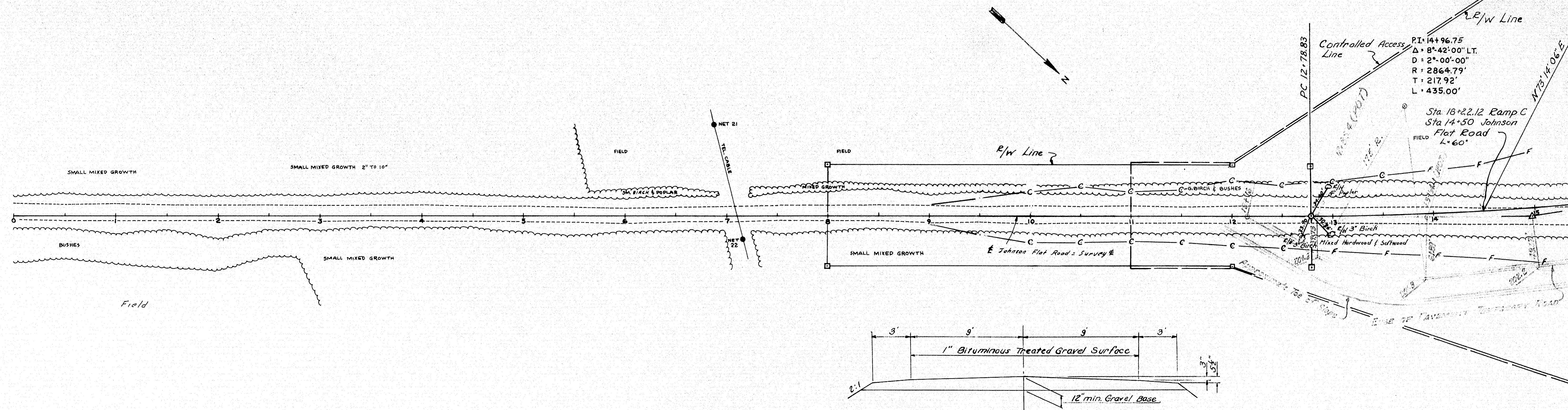


SECTION "C-C"

- Notes:
1. Break bend at Construction Joints with a coat of asphalt paint.
 2. Reinforce with #10 Gage, 6"x6" Steel Mesh, not to pass through Construction Joints.
 3. At contractors option, sections of same strip may be cast in order by breaking the bond between adjoining sections with 1/4" of Bituminous Treated Preformed Expansion Joint Filler.
 4. Dummy Joints shall be made with a sidewalk edging tool to a depth of 1/4".
 5. The 18" Gravel Borrow under the Slope Paving may be reduced or omitted, if in the opinion of the Engineer the existing material is suitable. Payment for excavation for Gravel Borrow under Slope Paving to be made under Item 204-14, Structural Earth Excavation - Piers.

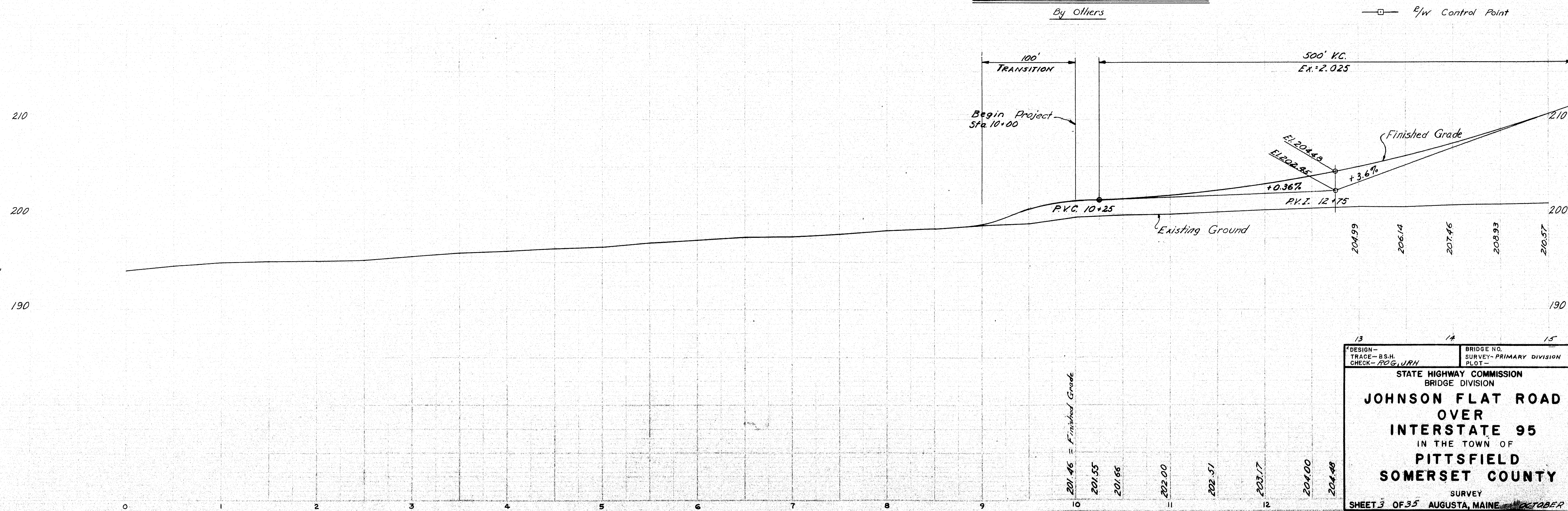
DESIGN - G.W.M.	BRIDGE NO.
TRACE -	SURVEY -
CHECK - M.R.	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
JOHNSON FLAT ROAD OVER INTERSTATE 95 IN THE TOWN OF PITTSFIELD SOMERSET COUNTY SLOPE PAVING	
SHEET 2A OF 35 AUGUSTA, MAINE OCT. 1963	

D. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-7(42)	3	35

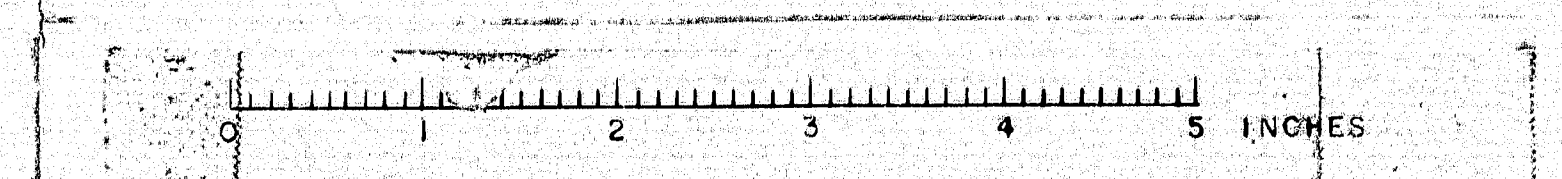


TYPICAL SECTION - TEMP ROAD

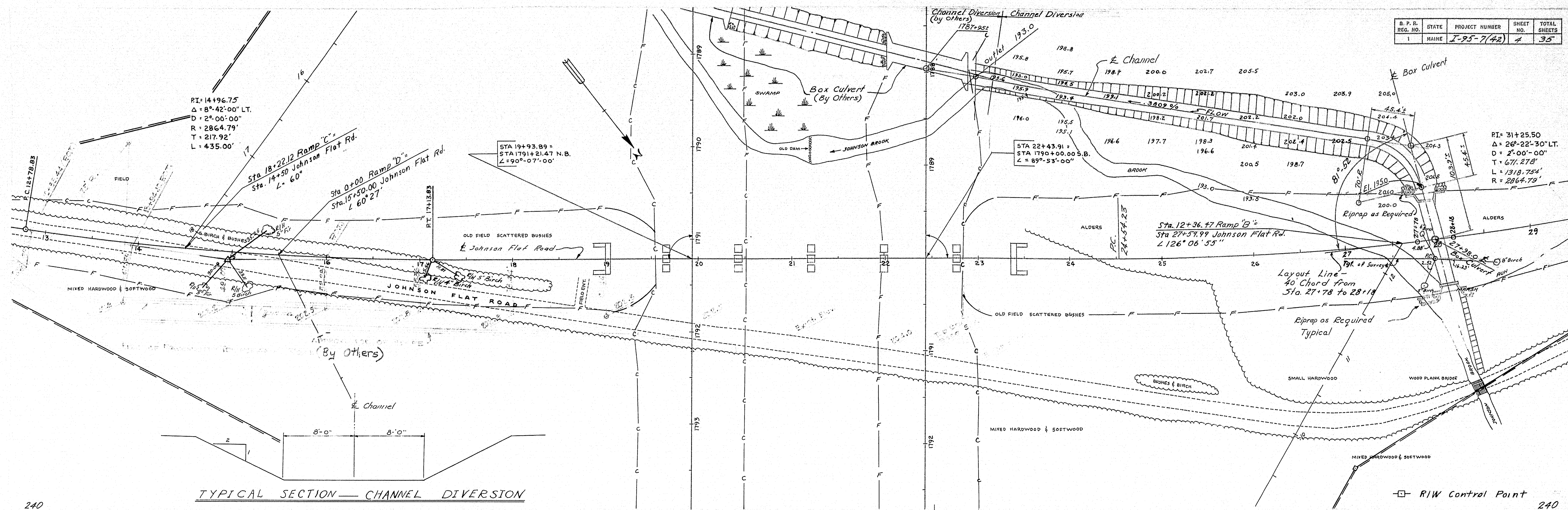
By Others



DESIGN - TRACE - B.S.H. CHECK - P.C.G./J.R.H.	BRIDGE NO. SURVEY - PRIMARY DIVISION PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
JOHNSON FLAT ROAD OVER INTERSTATE 95 IN THE TOWN OF PITTSFIELD SOMERSET COUNTY	
SURVEY SHEET 3 OF 35 AUGUSTA, MAINE OCTOBER 1962	



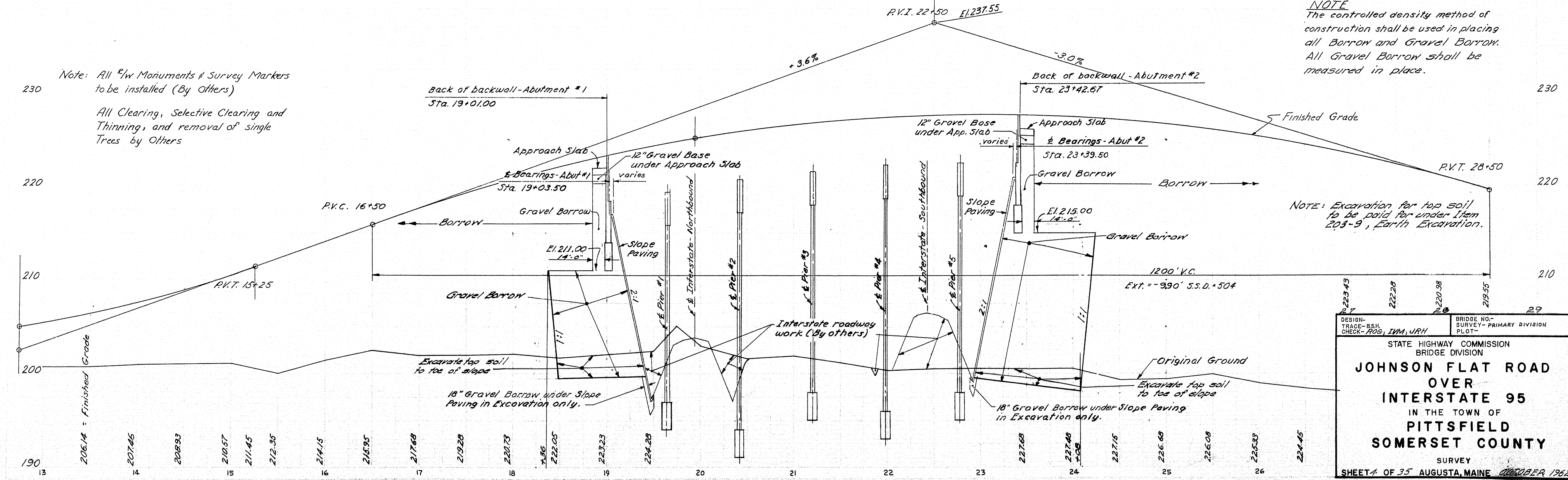
S. P. D. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-7(42)	4	35



NOTE
 The controlled density method of construction shall be used in placing all Borrow and Gravel Borrow. All Gravel Borrow shall be measured in place.

Note: All $\frac{1}{4}$ " Monuments & Survey Markers to be installed (By Others)

All Clearing, Selective Clearing and Thinning, and removal of single Trees by Others



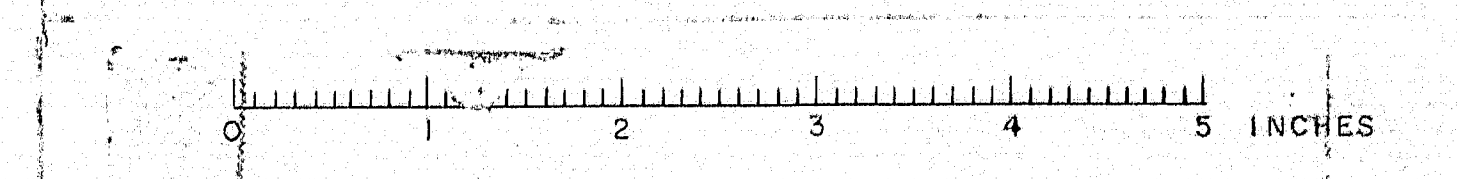
DESIGN - BSH
 CHECK - ROG, JWM, JRH

BRIDGE NO. -
 SURVEY - PRIMARY DIVISION
 PLOT -

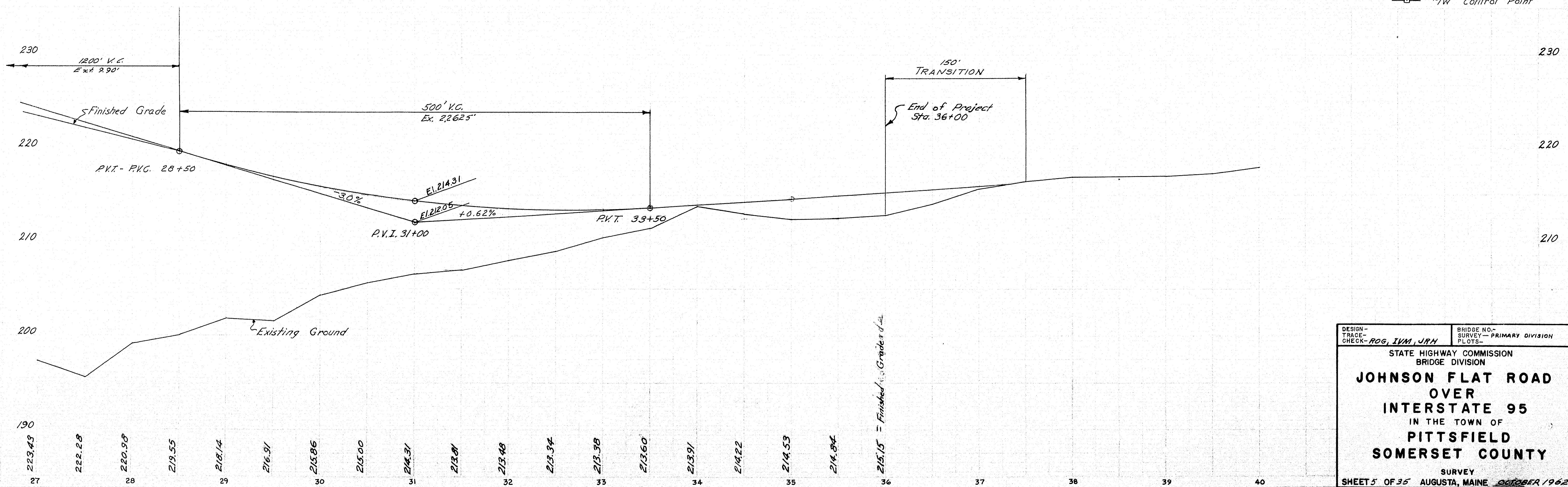
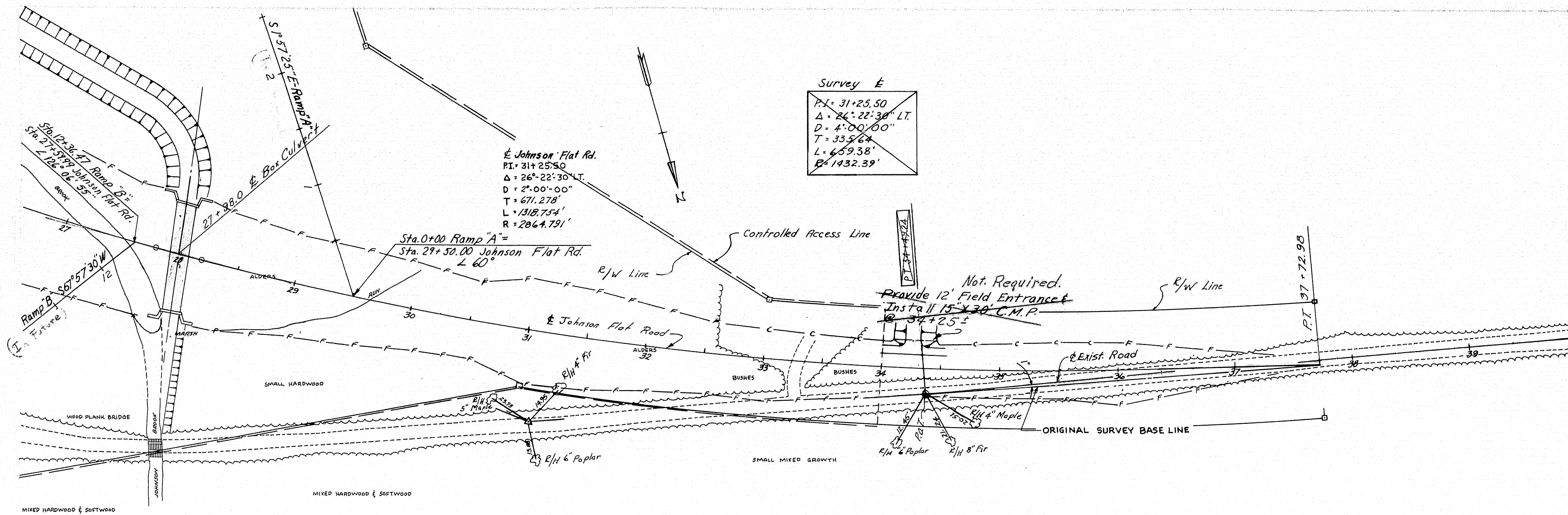
STATE HIGHWAY COMMISSION
 BRIDGE DIVISION

**JOHNSON FLAT ROAD
 OVER
 INTERSTATE 95
 IN THE TOWN OF
 PITTSFIELD
 SOMERSET COUNTY**

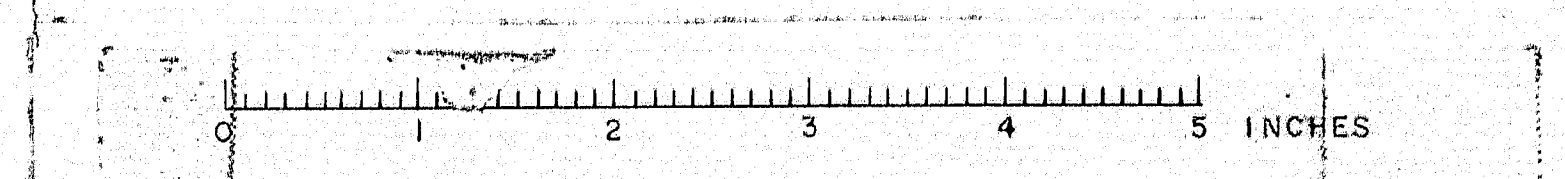
SURVEY
 SHEET 4 OF 35 AUGUSTA, MAINE OCTOBER 1962



D. P. R.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-7(42)	5	35



DESIGN - TRACE - CHECK - ROG, IVM, JPH	BRIDGE NO. - SURVEY - PRIMARY DIVISION PLOTS -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
JOHNSON FLAT ROAD OVER INTERSTATE 95 IN THE TOWN OF PITTSFIELD SOMERSET COUNTY	
SURVEY SHEET 5 OF 35 AUGUSTA, MAINE OCTOBER 1962	



D. P. R.	STATE	PROJECT NUMBER	SHEET NO.
1	MAINE	1-95-7 (42)	6

Arthur J. Gaudin 2/1/13

9/1/35

g

190

7+0

190

+50

190

6+0

190

+50

Scale: 1"=5'

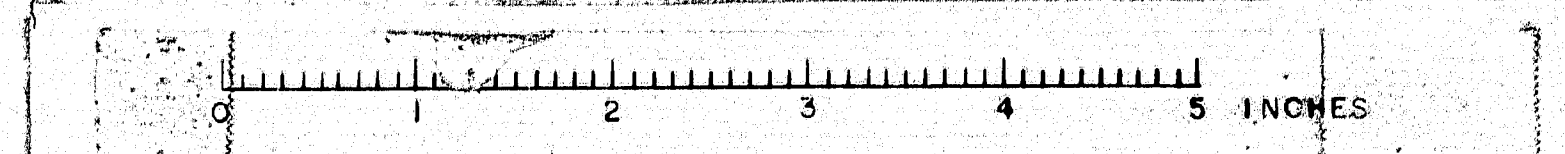
190

5+0

✓ MHT

g

Johnson Flat Road
Sta 5+0 to 7+0



DATE	BY
REVIEW	NOTED
DATE	BY

ORIGINAL	NO. 1
DATE	2/1/43
BY	J. C. J. JR.

STATE	PROJECT
NAME	1-23-2(44)

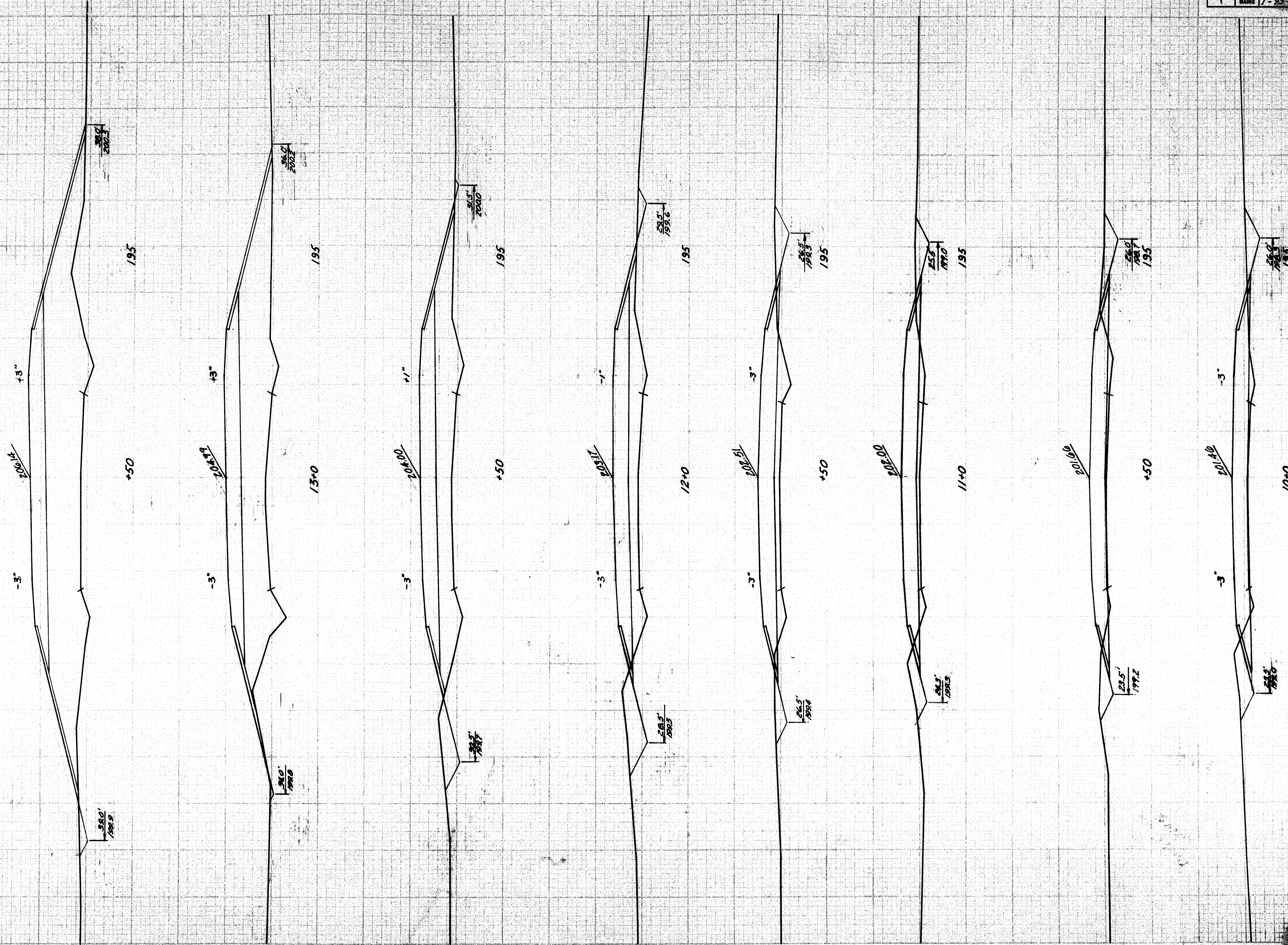


PLATE 5 - CROSS SECTION OF JOHNSON FLAT ROAD



FOR TYPICAL SECTIONS - JOHNSON FLAT ROAD SEE SHEET 17

Begin Project

J. C. J. JR.

Johnson Flat Road
Sta. 10+00 to 13+50

DRAWN BY: [blank]
 CHECKED BY: [blank]
 DATE: [blank]

ARTHUR F. GOSSELIN 2/1/13

9/1/13

STATE	PROJECT NUMBER	SHEET
MAINE	1-95-7 (42)	97

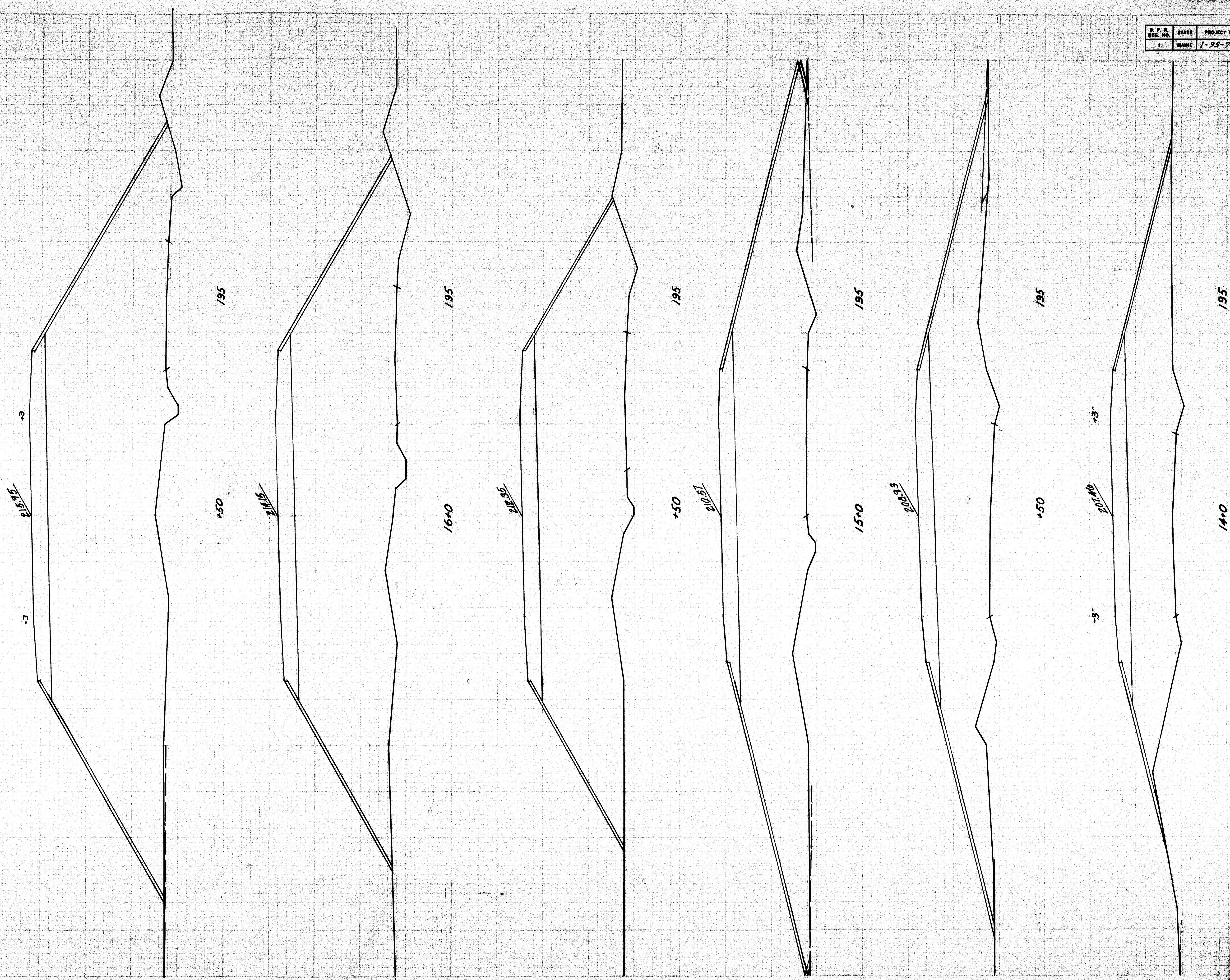
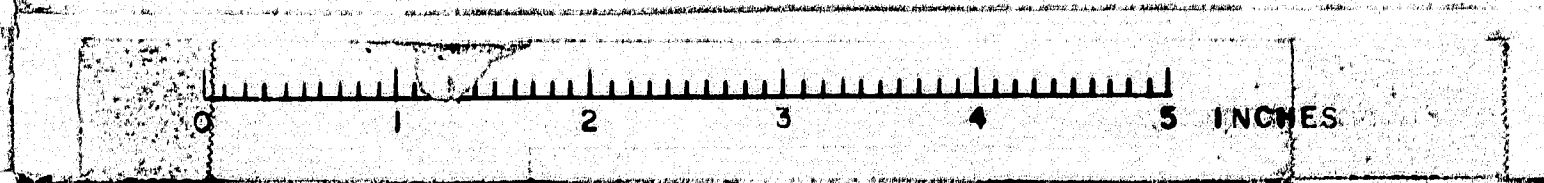


PLATE 3 - CROSS SECTION



J.C. JPH

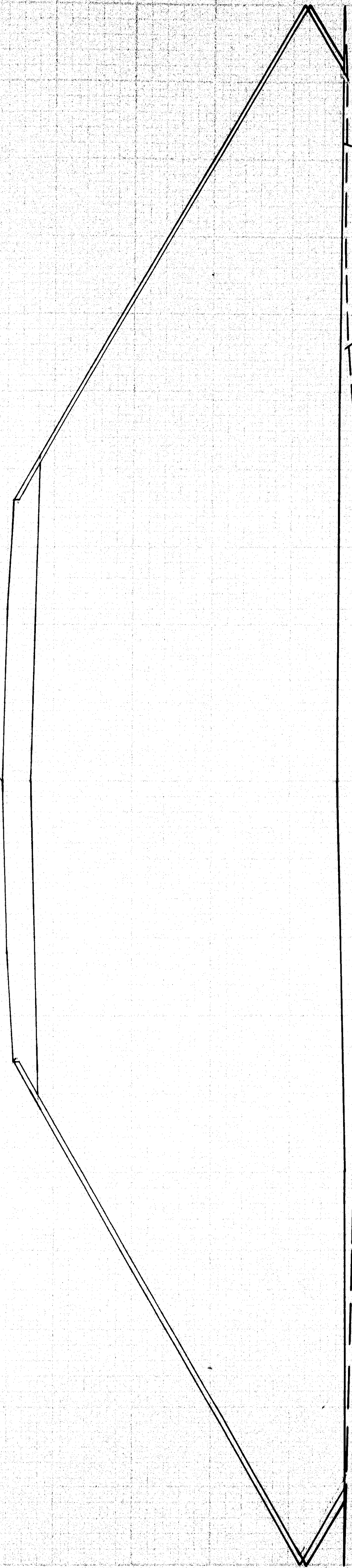
Johnson Flat Road

Arms 1000 ft 21/113

9/10/51

Back of backwall - Abutment #1, Sta. 19+01.00

21/113



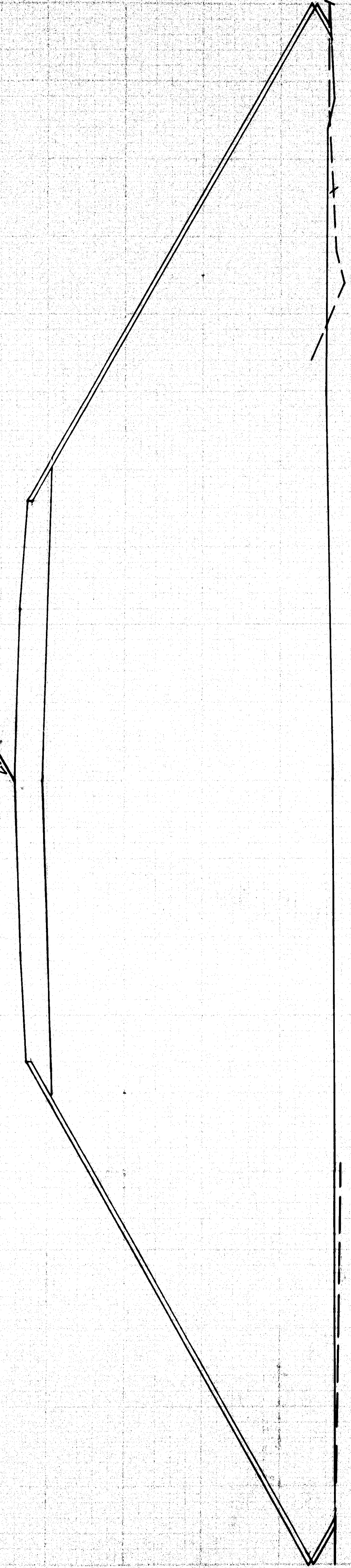
19.5

19.0

3"

3"

21/113



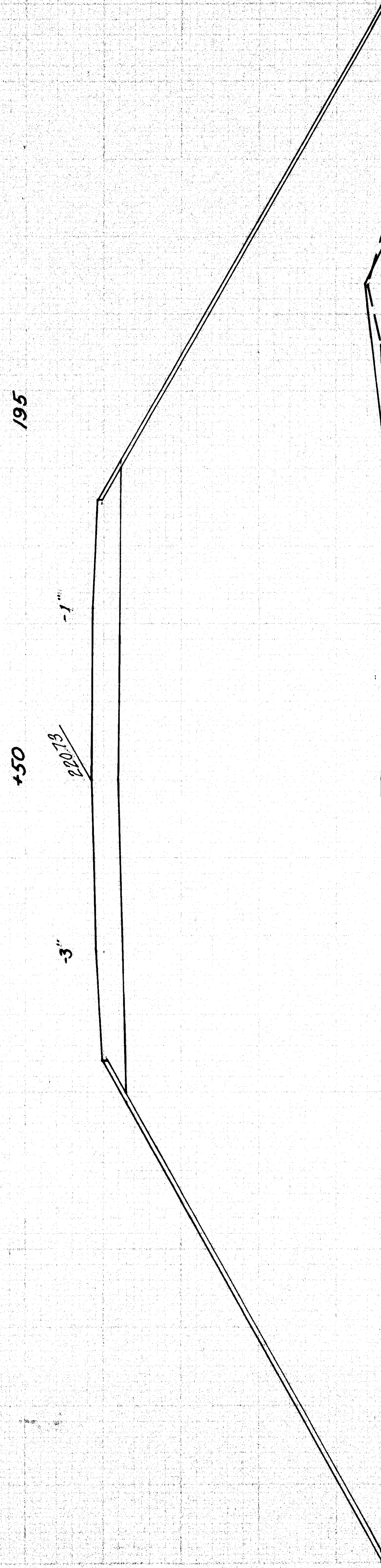
19.5

19.0

3"

3"

21/113



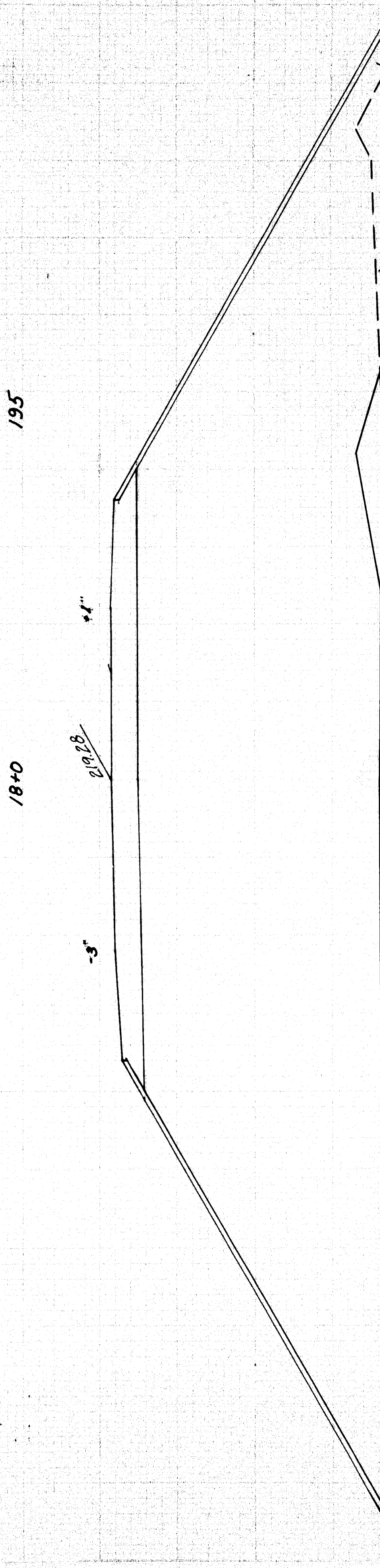
19.5

18+0

3"

3"

21/113



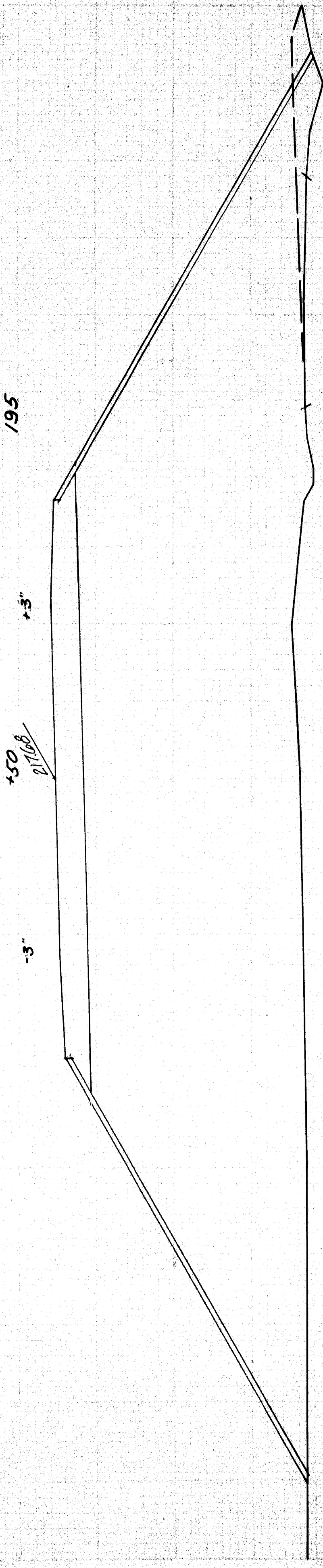
19.5

18+0

3"

3"

21/113



19.5

17+0

3"

3"

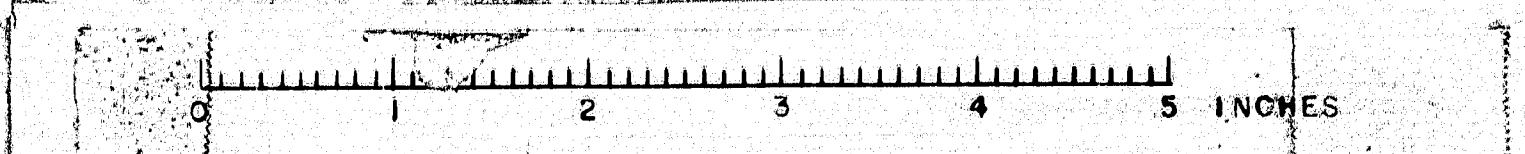
21/113

Johnson Flat Road
Sta. 17+0 to 19+0

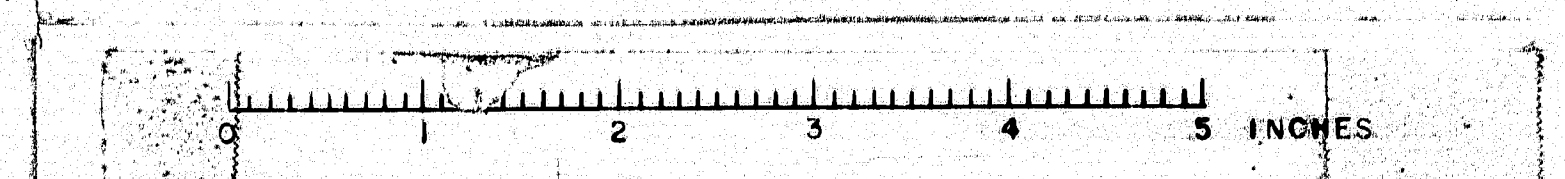
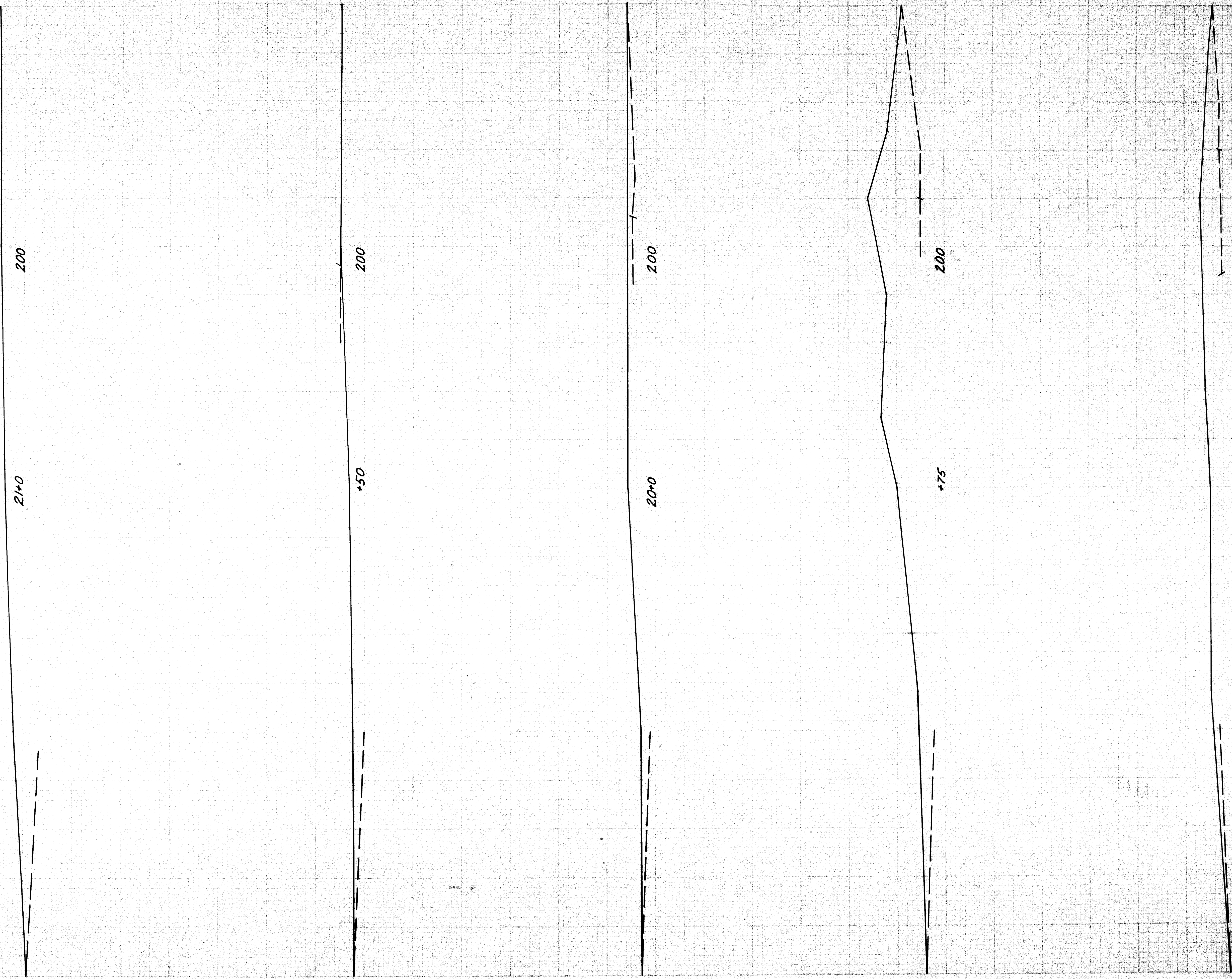
✓ J.C., JPH

8

88



D. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.
1	MAINE	1-95-7(42)	11



Arthur F. Gosselin 2/1/13

9/9/95

Johnson Flat Road

DATE	
BY	
CHECKED BY	
APPROVED BY	

PROJECT	Alpha f Gosselin 2/1/63
NO.	9/105

STATE	PROJECT NUMBER
1	7-95-7(22)



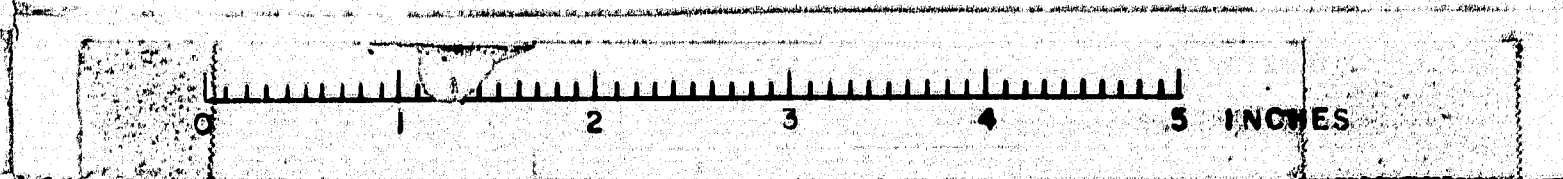
Scale: 1" = 5'

195

21+50

Flat Road

PLATE 3 - CROSS SECTION OF A. B. C.
CHARLES CONRAD TINSLEY, INC.



FINISH
 SURVEY
 NO. 1000
 DATE

SURVEY
 NO. 1000
 DATE
 2/1/63
 Arthur F. Gosselin

STATE	PROJECT NUMBER	SHEET
MAINE	7-95-7(42)	13

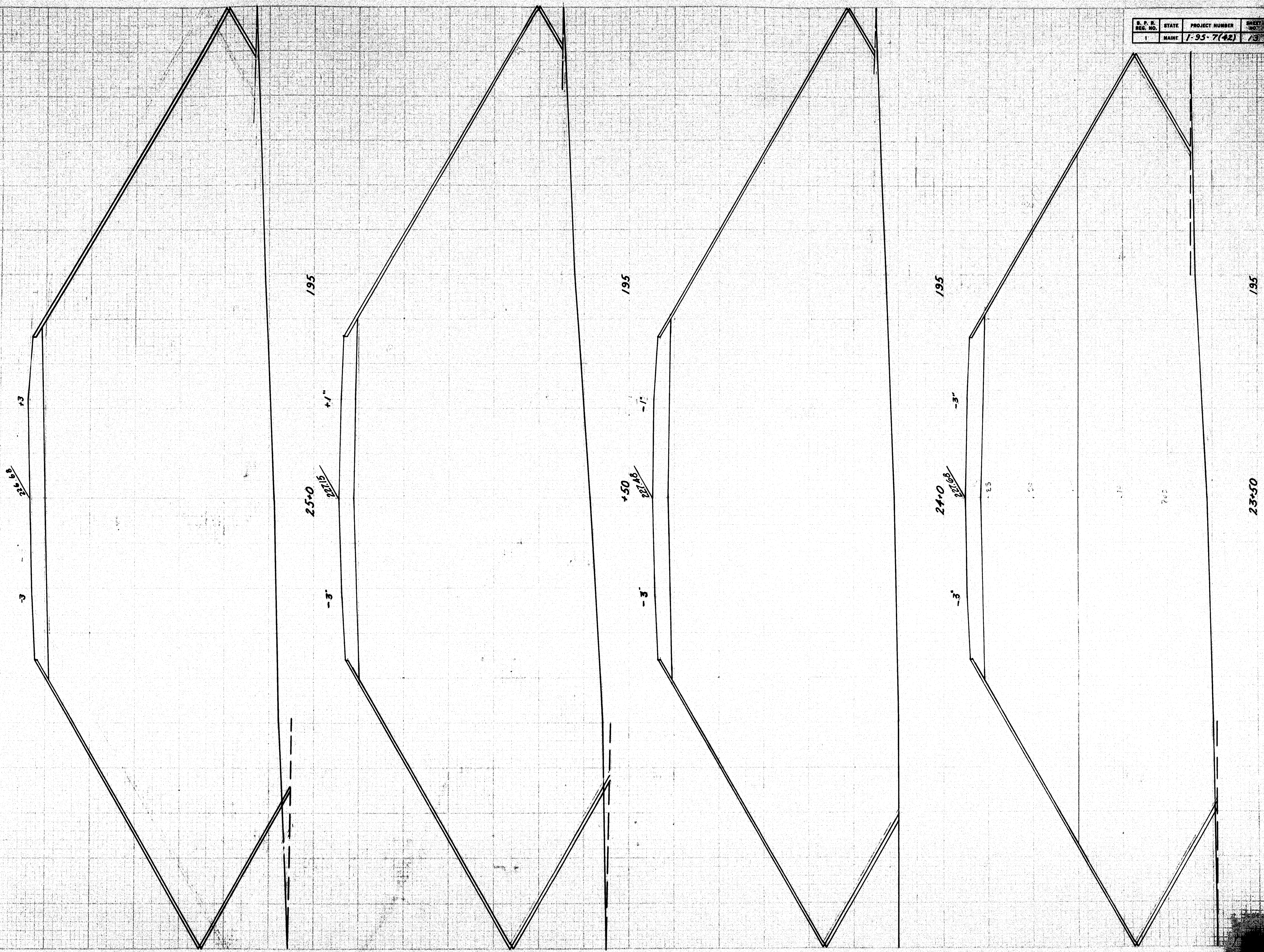
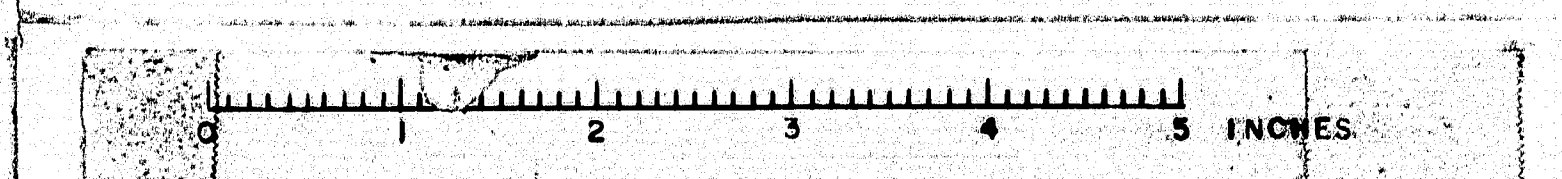
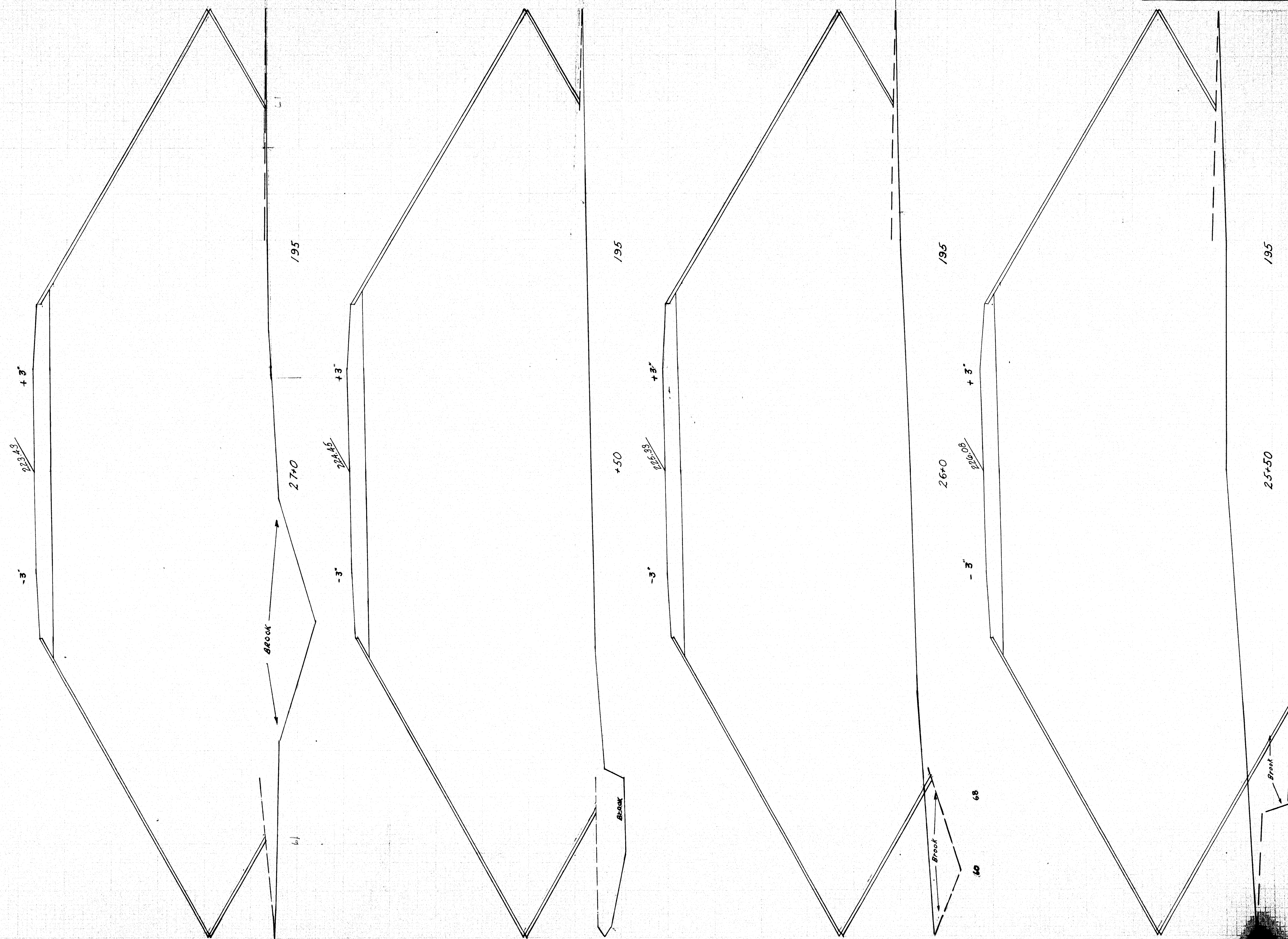


PLATE 3 - CROSS SECTION



Johnson Flat Road
 Sta. 23+50 to 25+0
 Back of backwall - Alignment "2", Sta. 23+42.67
 LGEA, UPH

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-95-7(42)	14	35



Artus & Gosselin 2/16/63

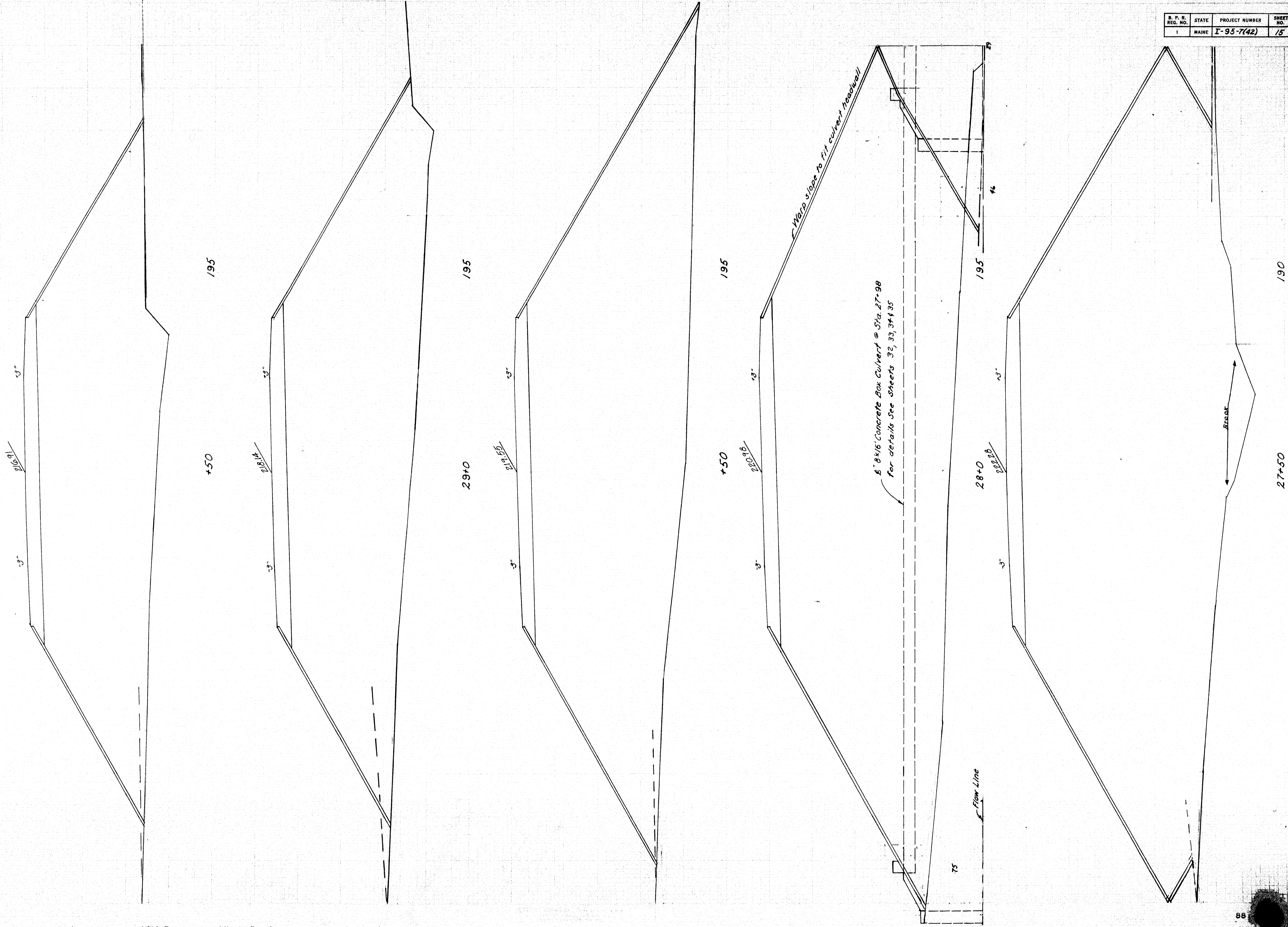
566/56

Johnson Flat Road
Sta. 25+50 to 27+0

Arthur F. Gosselin 2/10/13

95/105

Σ



R. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-7(42)	15	25

Arthur f. Goodlin 2/11/15

9/1/15

£

205

$\frac{213.8}{13}$

205

33+0

205

+50

$\frac{213.8}{13}$

205

32+0

$\frac{213.8}{13}$

200

+50

$\frac{214.8}{13}$

200

31+0

$\frac{215.00}{13}$

200

+50

$\frac{215.86}{13}$

200

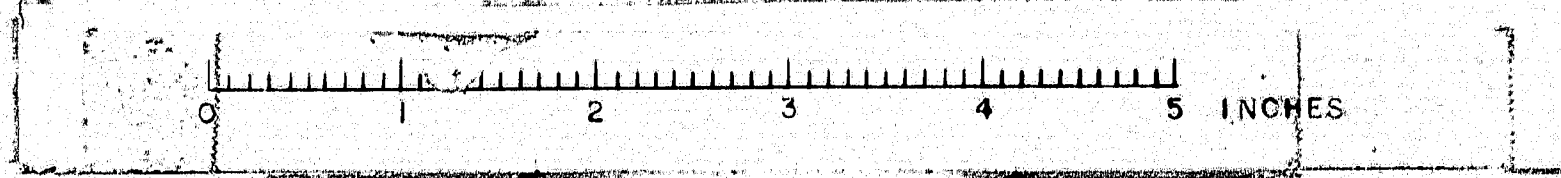
30+0

£ GEA, JRH

Johnson Flat Road

Sta 30+0 to 33+58

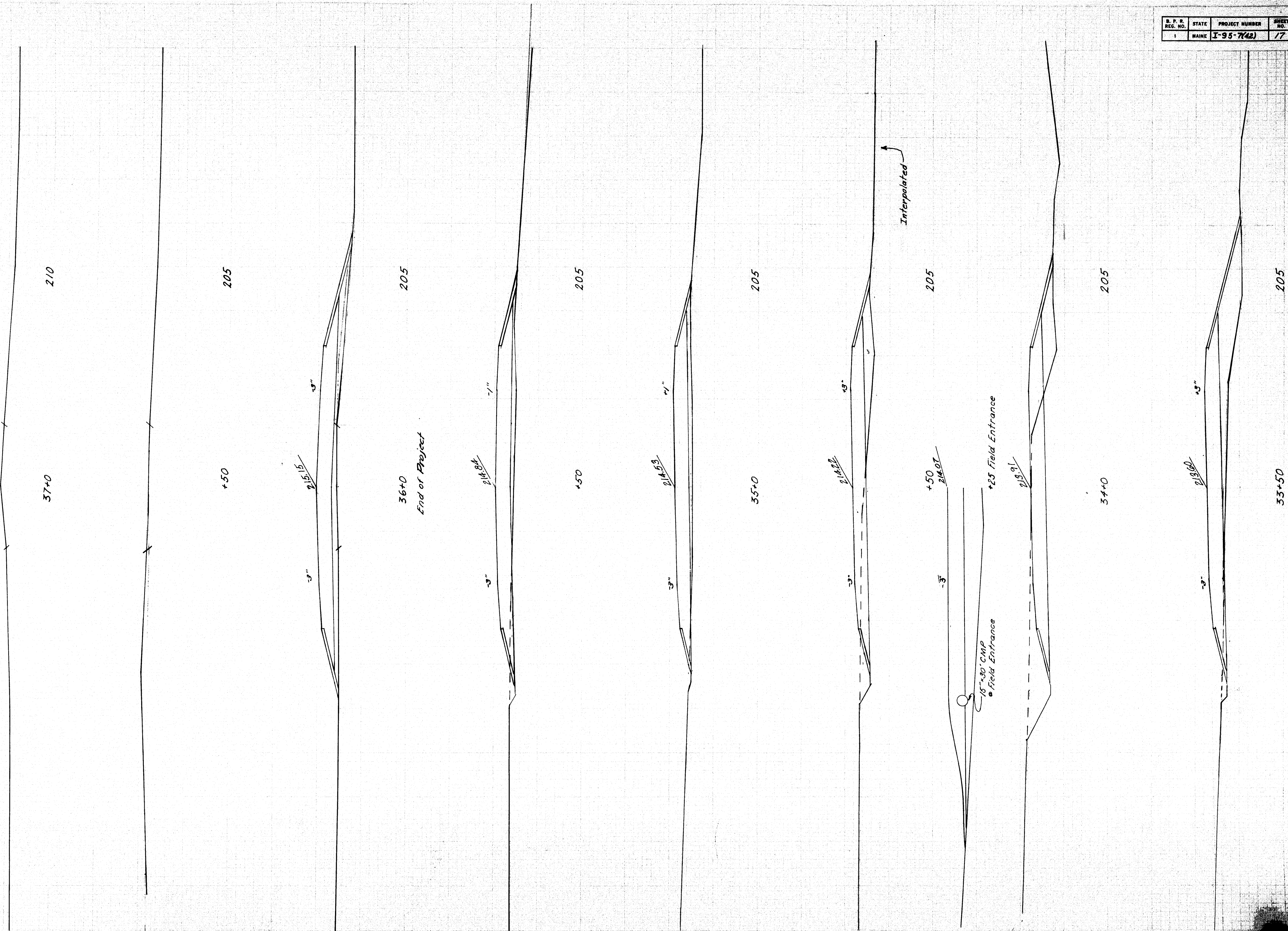
D. P. R.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-7(42)	16	35



Artus & Gosselin 2/6/63

95/495

W

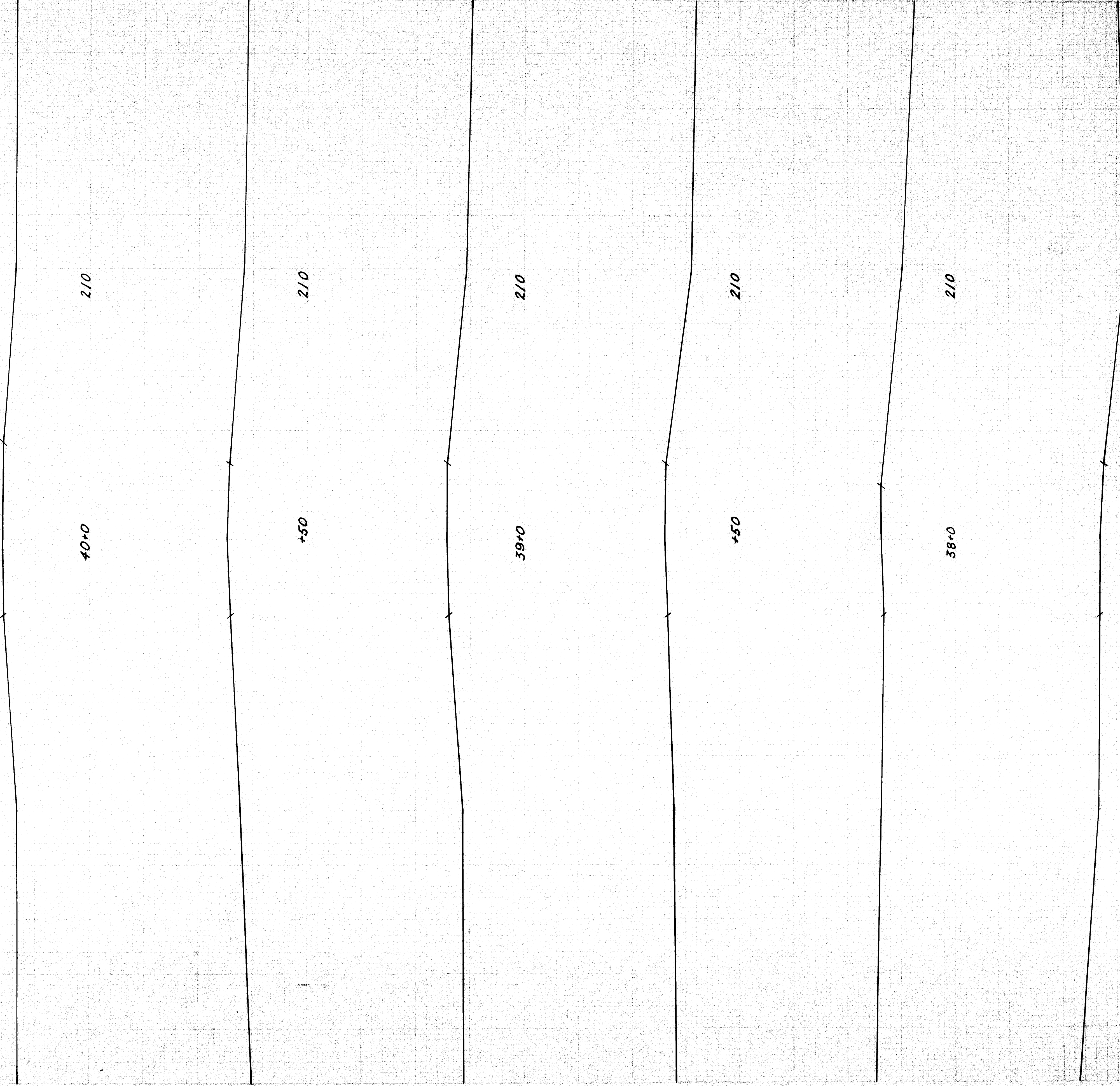


B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-7(42)	17	35

Johnson Flat Road
Sta 33+50 to 37+0

4GEA, JAH-

NO. P. & E. FILE NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-95-7(42)	76	362



210 Scale: 1" = 5'

Johnson Flat Road
Sta 37+50 to 40+0

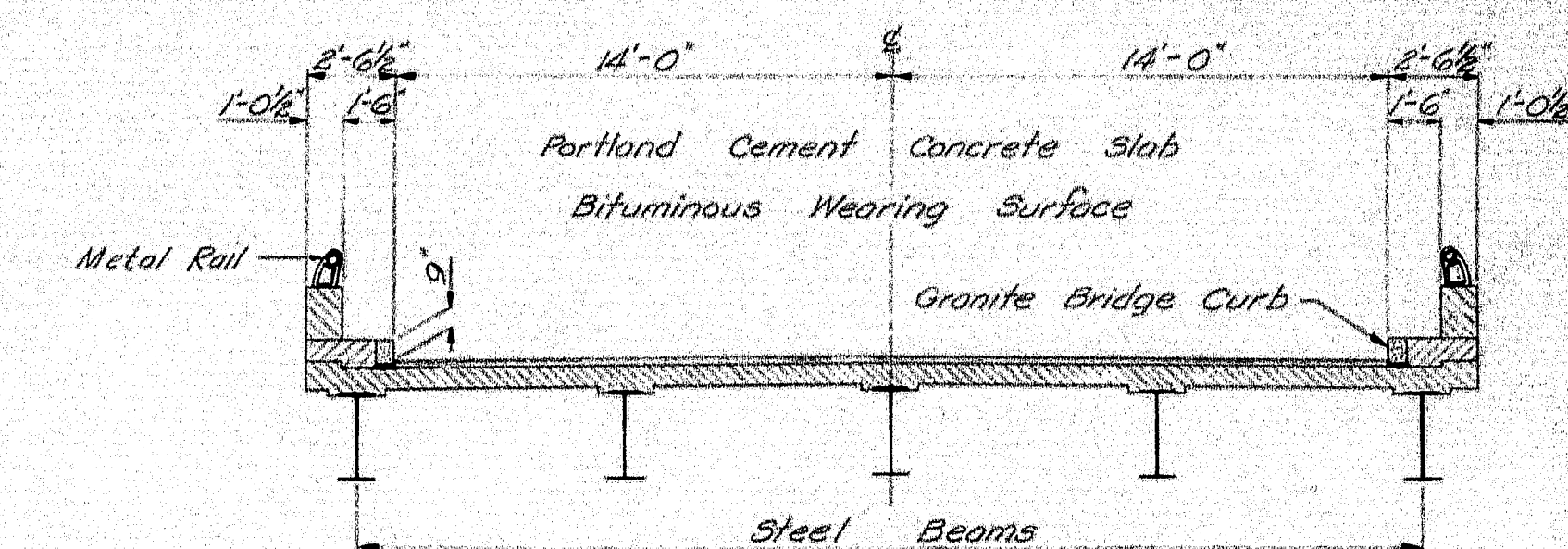
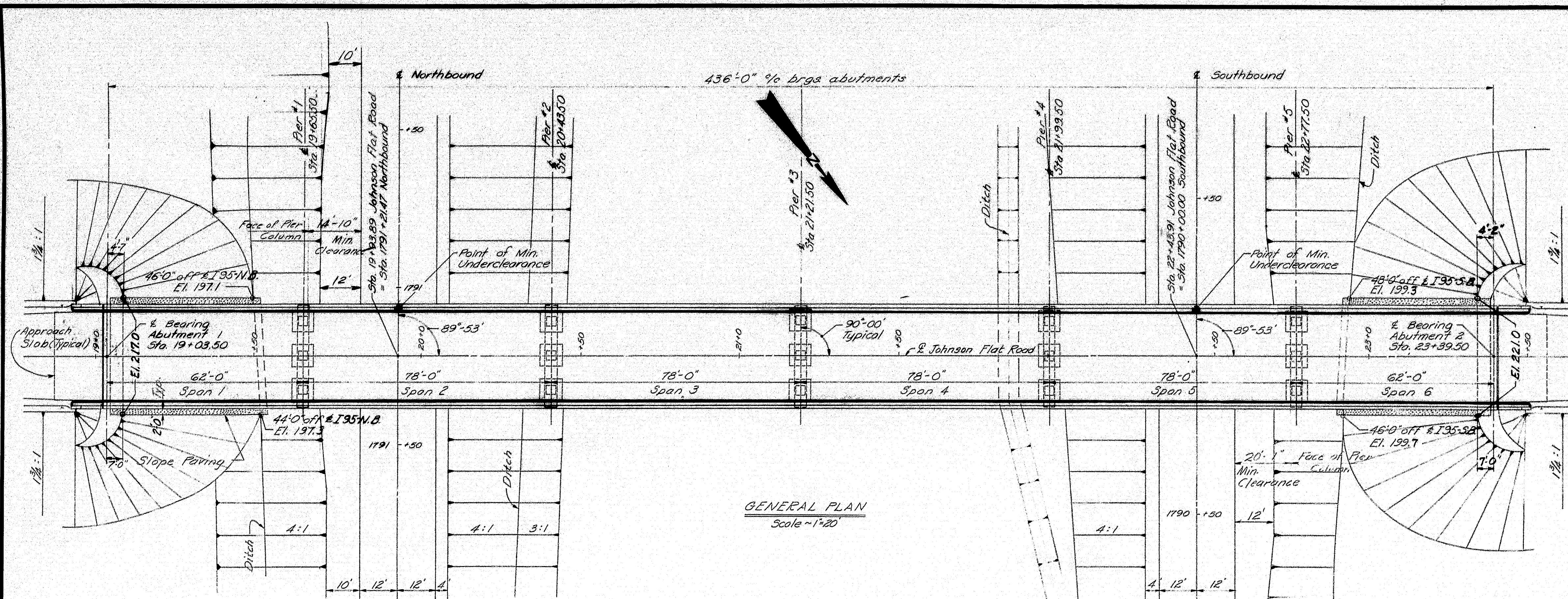
£ V JAH

Alfred & Gouldin

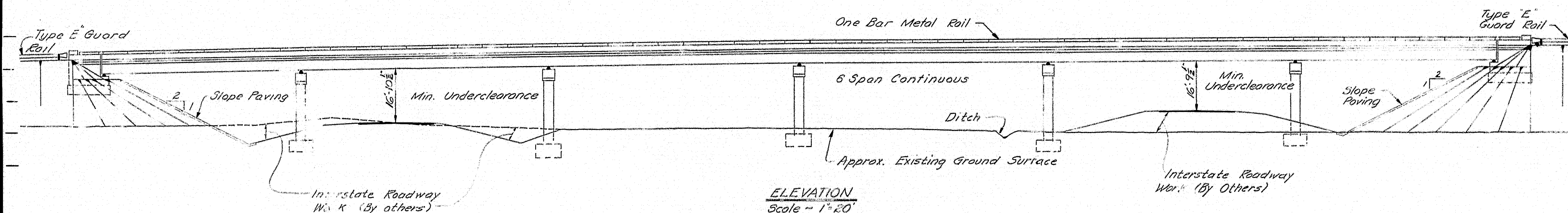
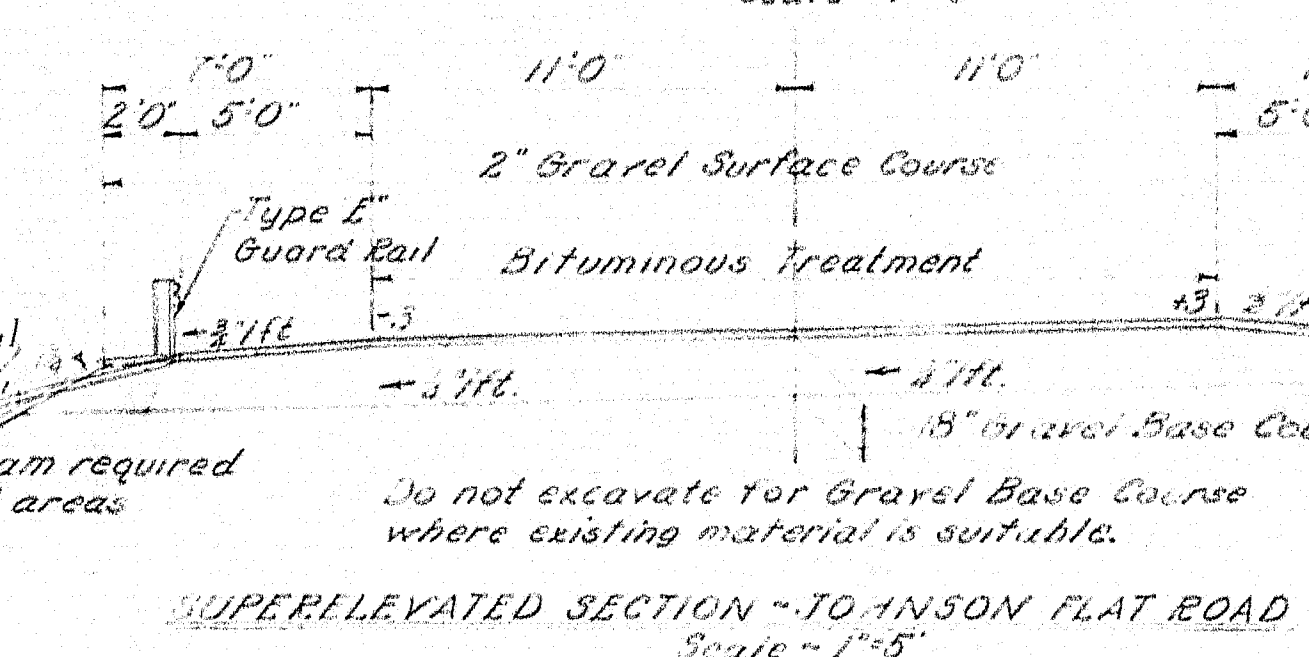
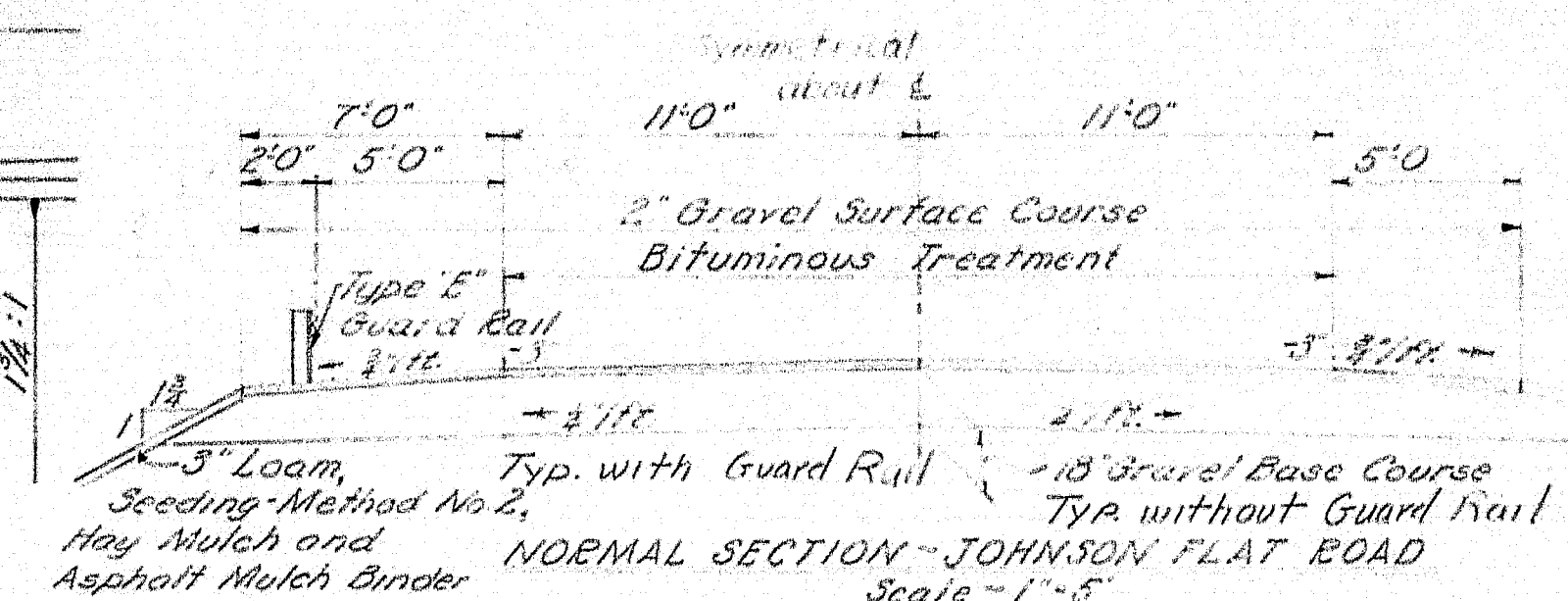
W. J. H.

£

S. P. H. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-7(42)	19	35

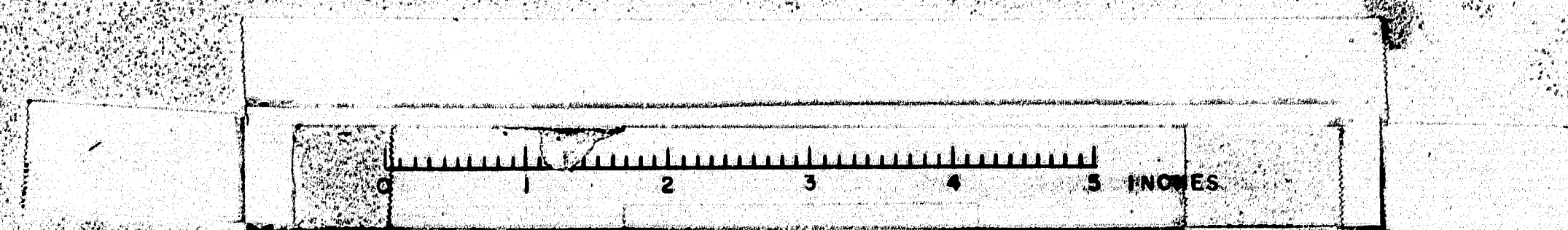


BRIDGE SECTION
Scale = 1"=5'

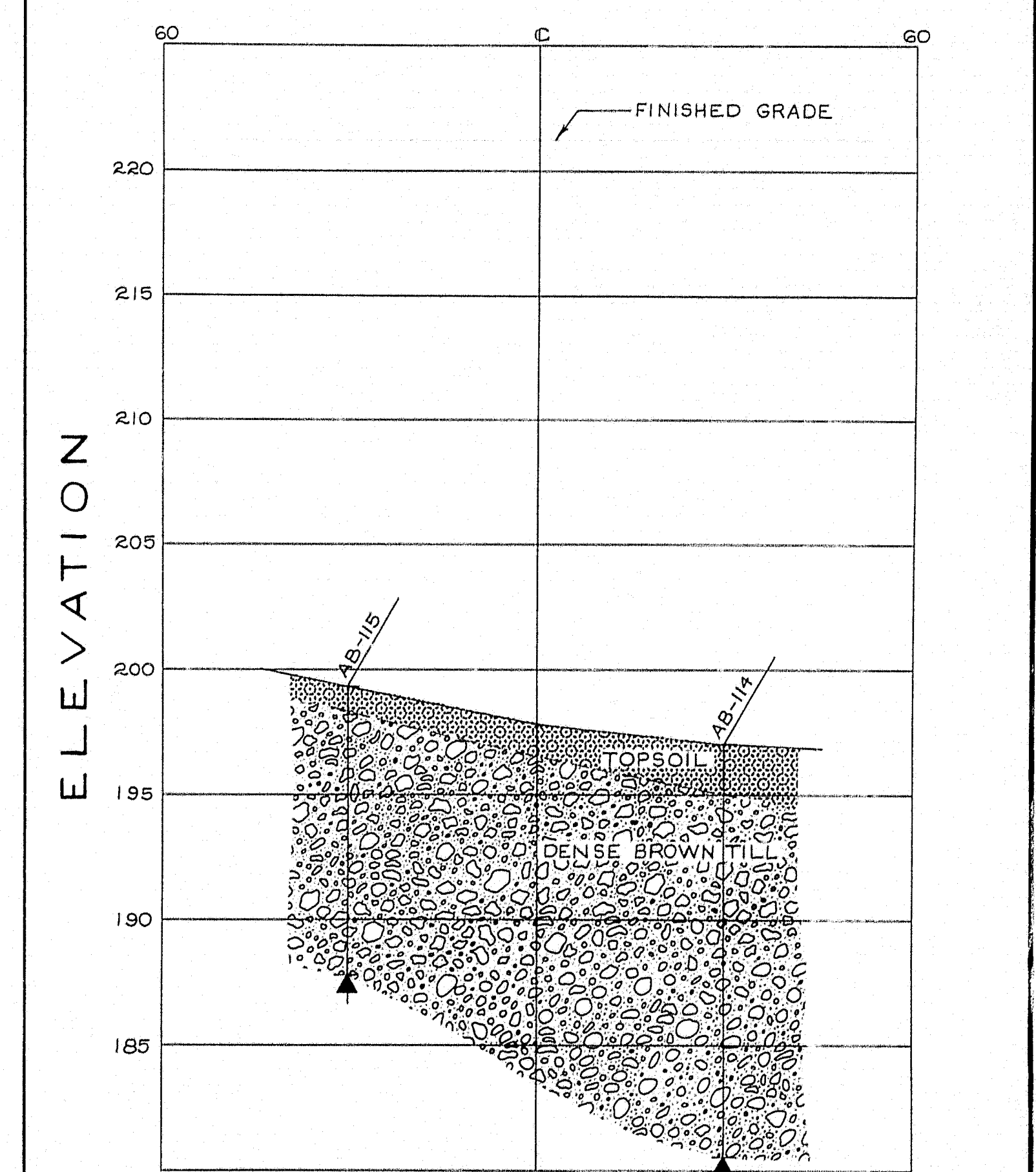
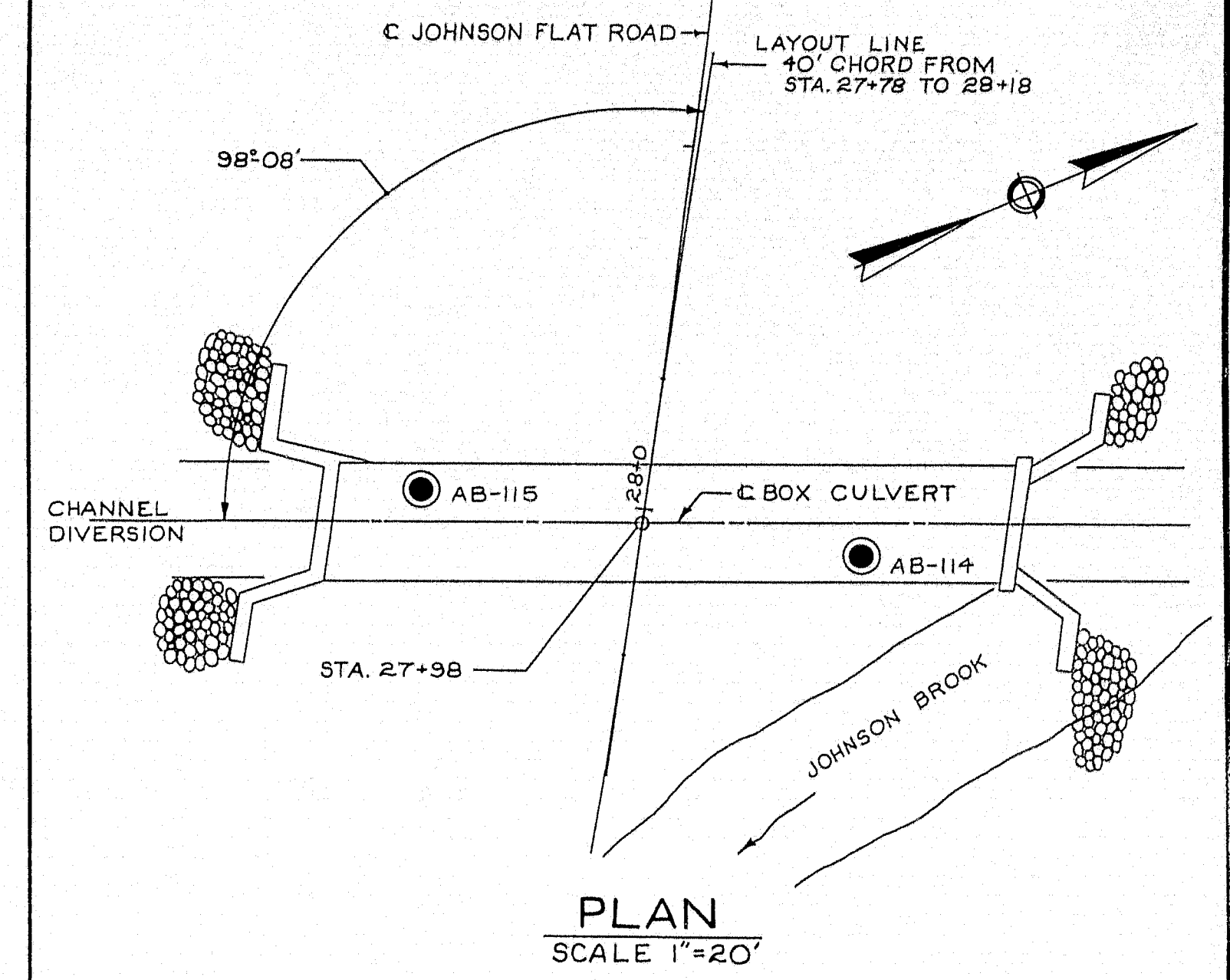


El. 230.
 El. 220.
 El. 210.
 El. 200.
 El. 190.

DESIGN - C.D.H. DETAIL - E.E.L. BRIDGE NO.
 TRACE - SURVEY - PLOT
 CHECK - I.W.M.
 STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
JOHNSON FLAT ROAD
OVER
INTERSTATE 95
 IN THE TOWN OF
PITTSFIELD
SOMERSET COUNTY
 GENERAL PLAN AND ELEVATION
 SHEET 19 OF 35 AUGUSTA, MAINE 1963



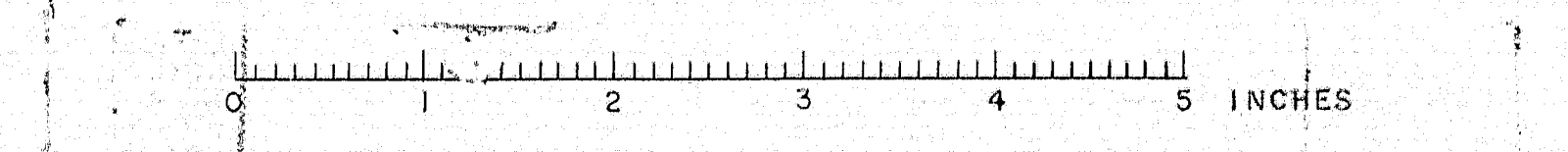
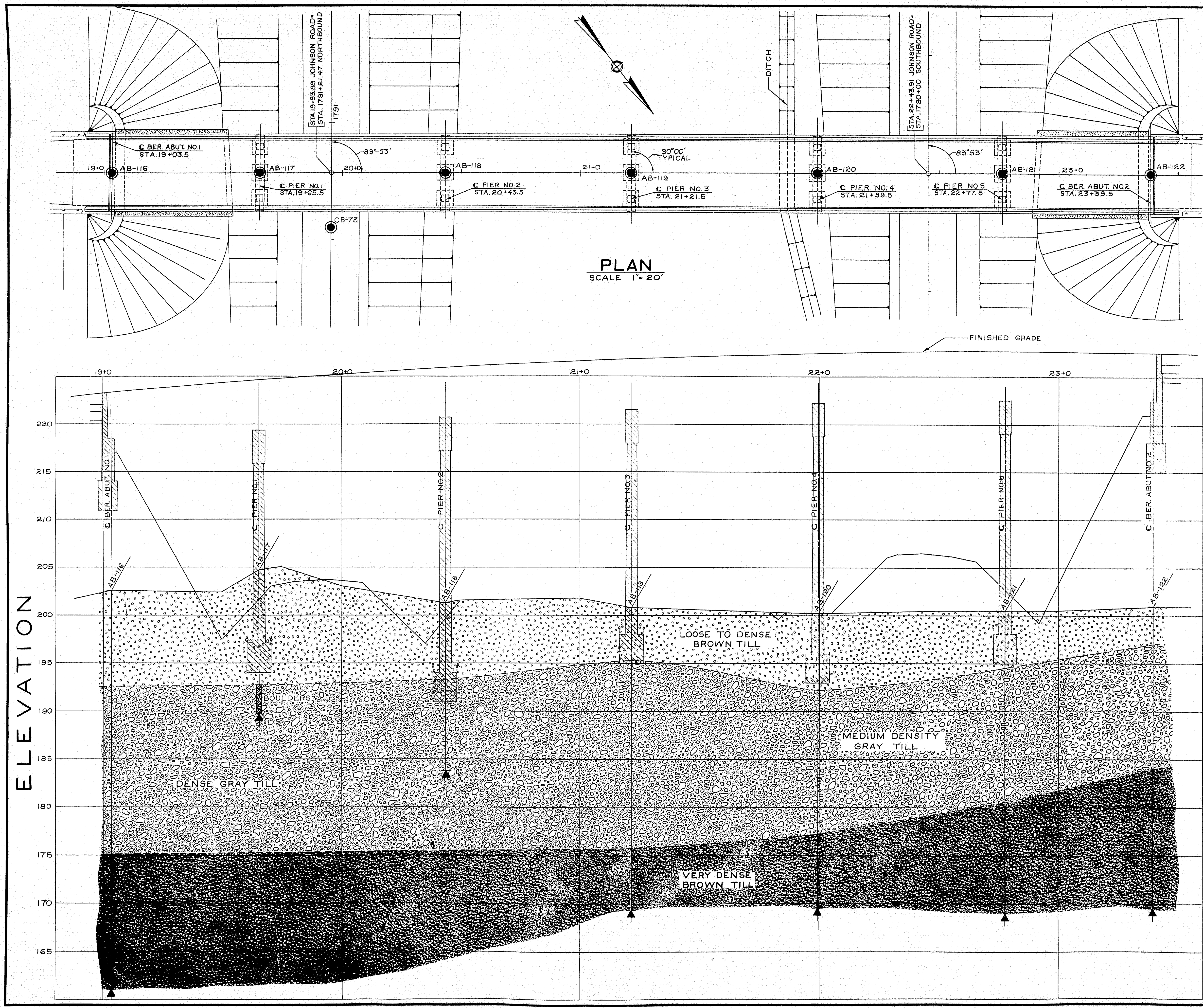
B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-7142	20	35



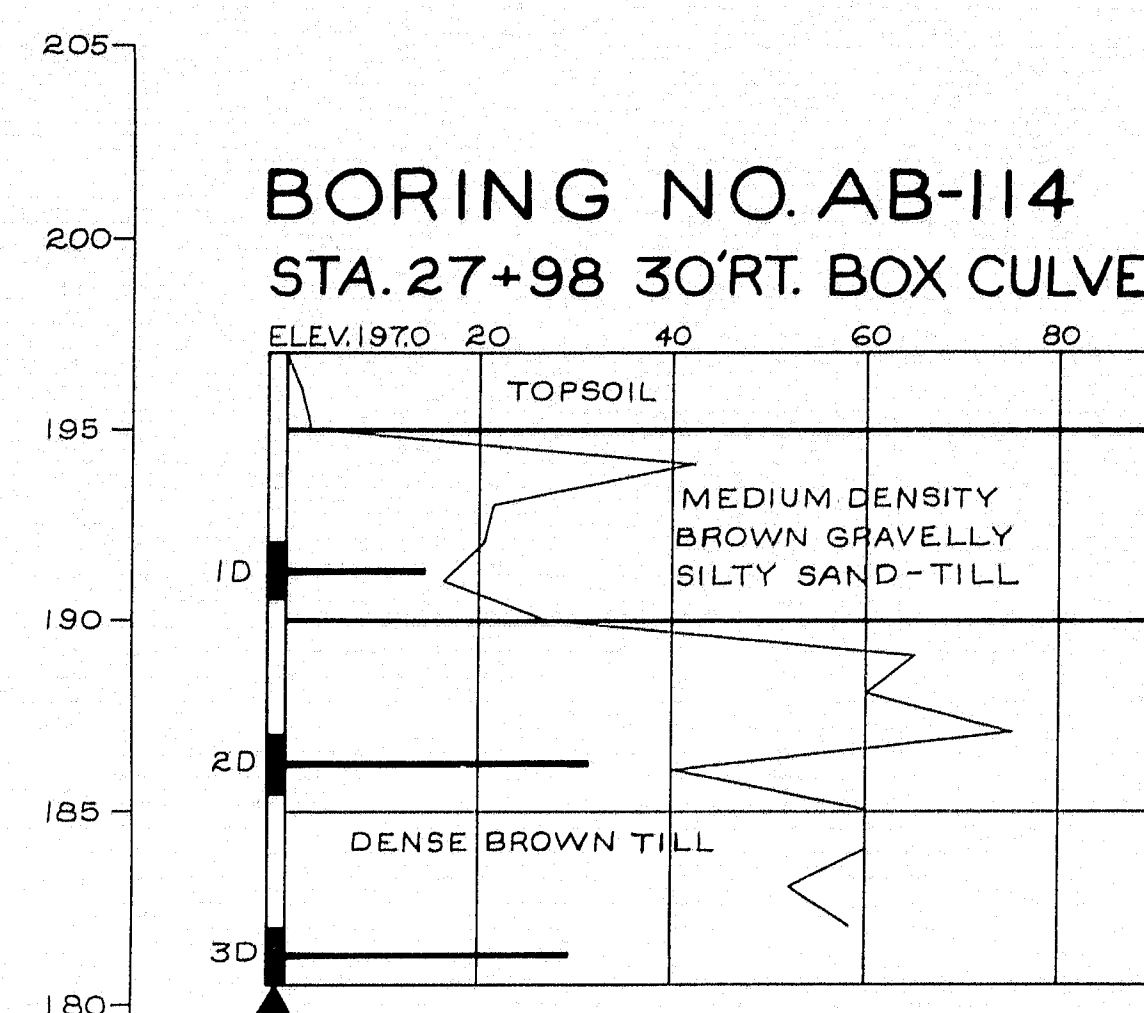
DESIGN—*Soils Division*
TRACE—*Soils Division*
CHECK—*Soils Division*

BRIDGE NO.
SURVEY—*1963*
PLOT—

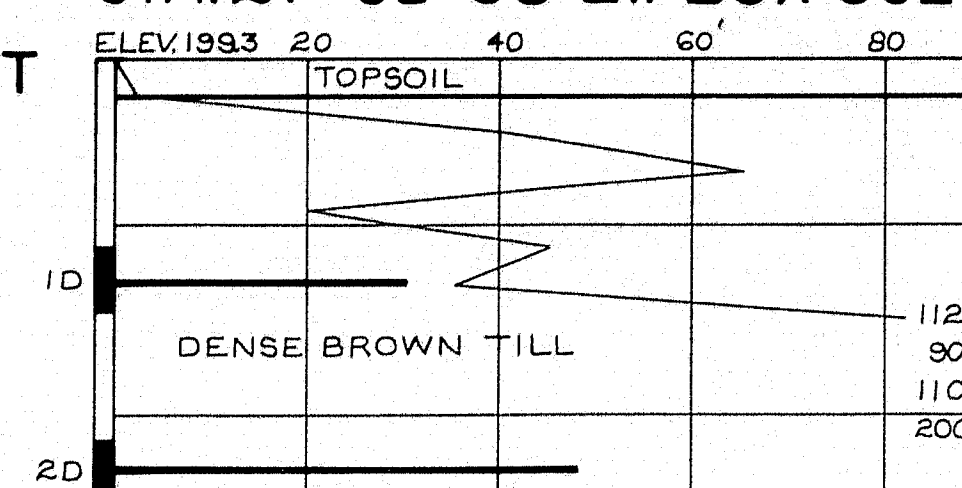
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
JOHNSON FLAT ROAD
OVER
INTERSTATE 95
IN THE TOWN OF
PITTSFIELD
SOMERSET COUNTY
FOUNDATION SURVEY
SHEET 20 OF 35 AUGUSTA, MAINE APRIL 1963



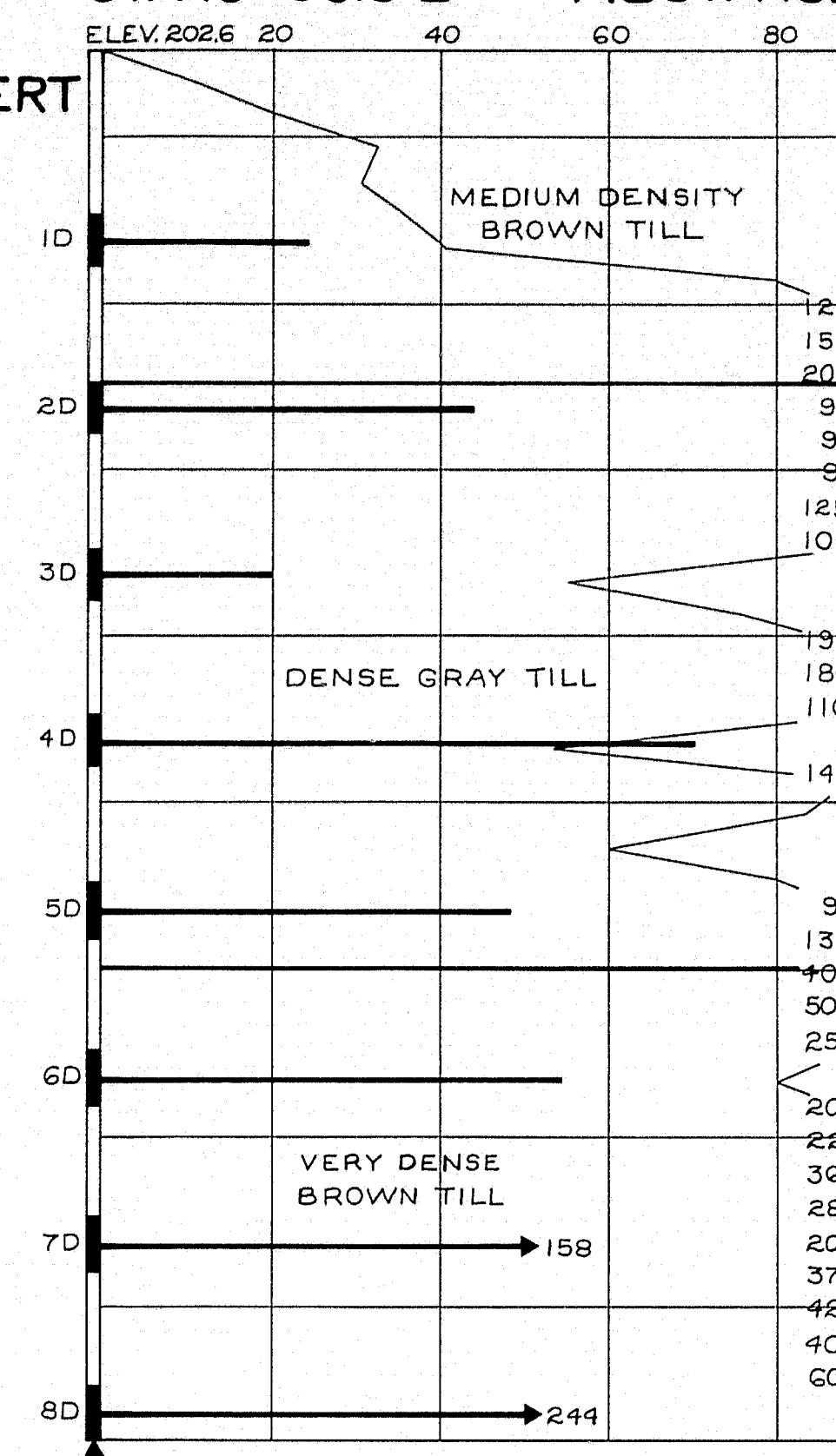
BORING NO. AB-114
STA. 27+98 30' RT. BOX CULVERT



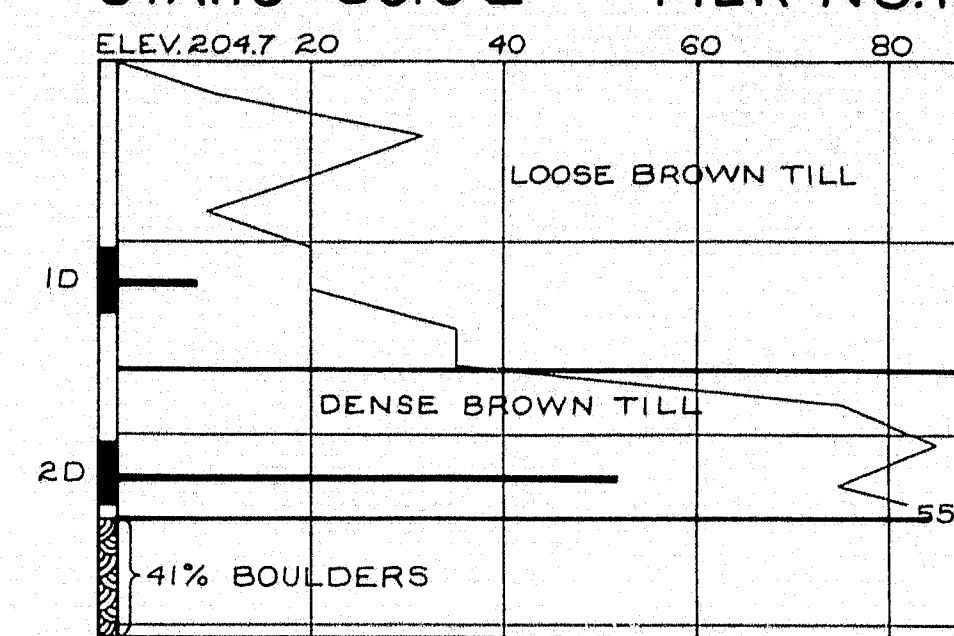
BORING NO. AB-115
STA. 27+98 30' LT. BOX CULVERT



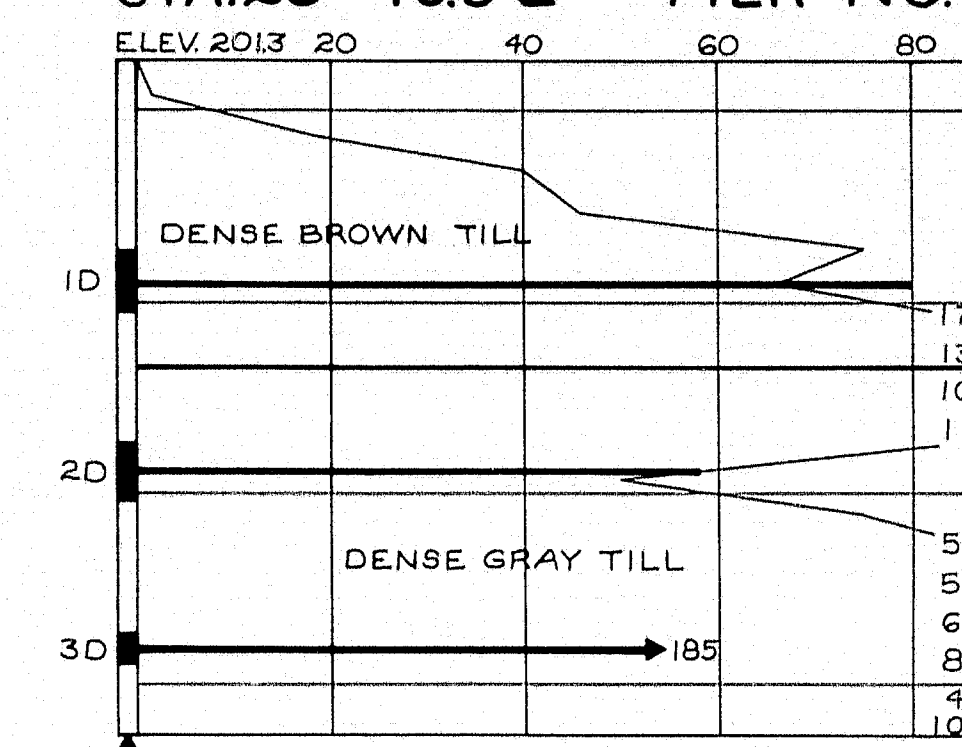
BORING NO. AB-116
STA. 19+03.5C ABUT. NO. 1



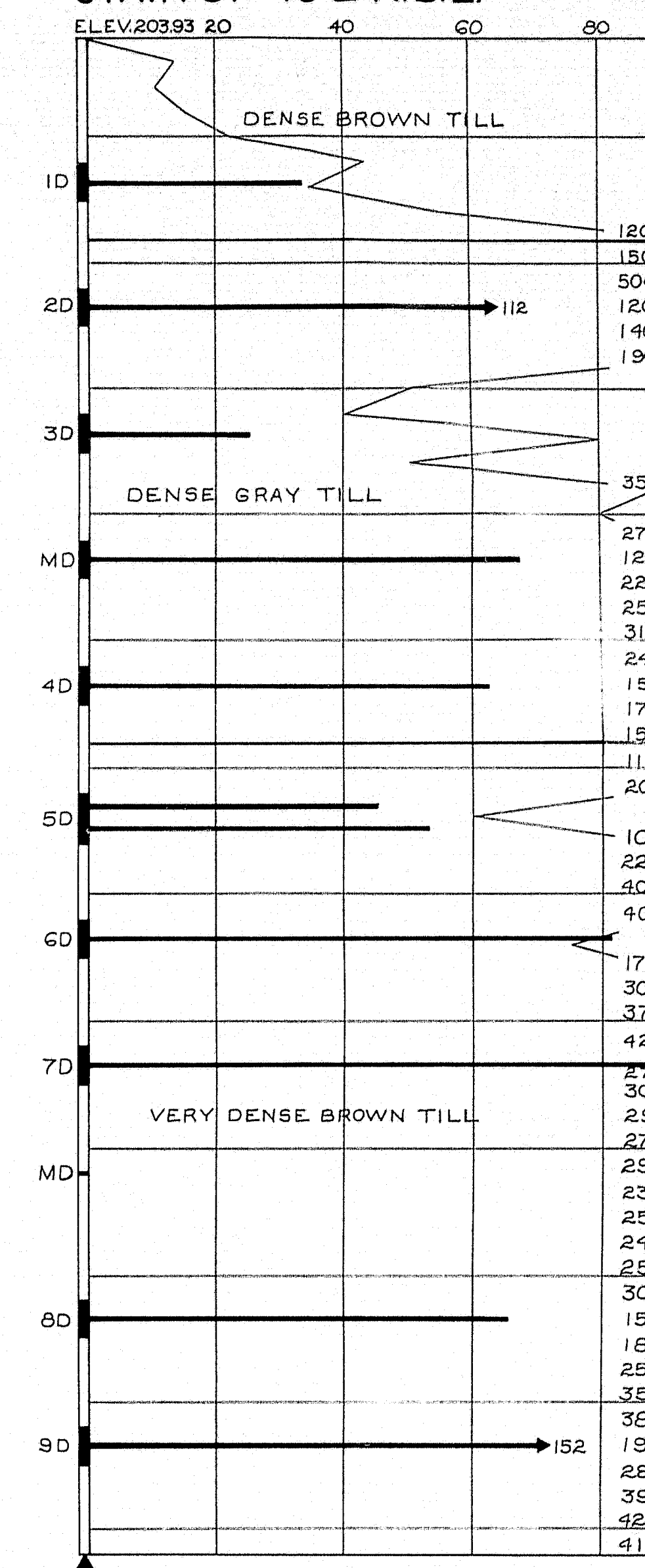
BORING NO. AB-117
STA. 19+65.5C PIER NO. 1



BORING NO. AB-118
STA. 20+43.5C PIER NO. 2

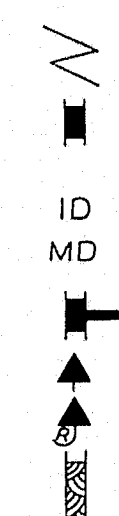


BORING NO. CB-73
STA. 1791+45C N.B.L.

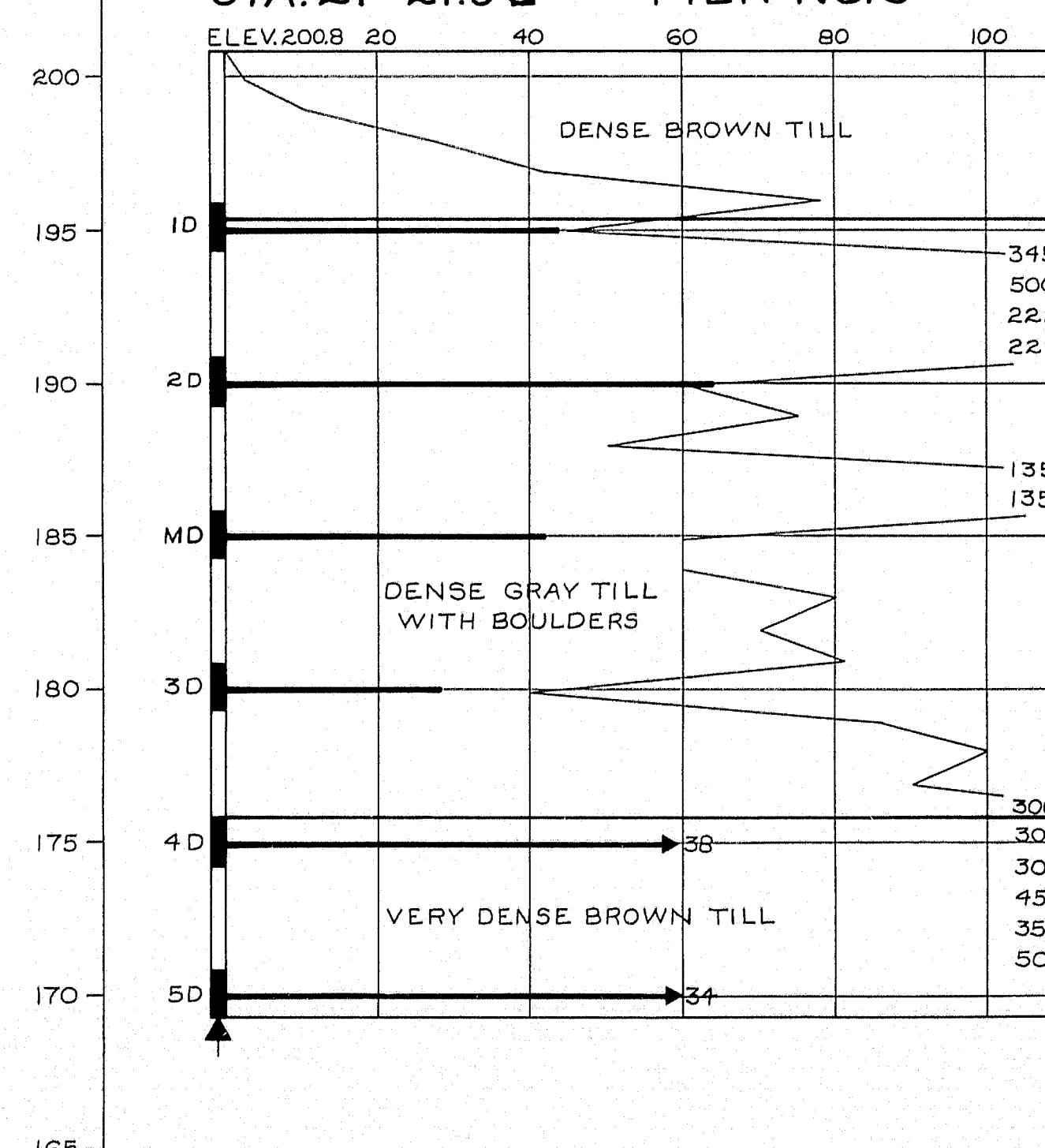


BORING NOTES

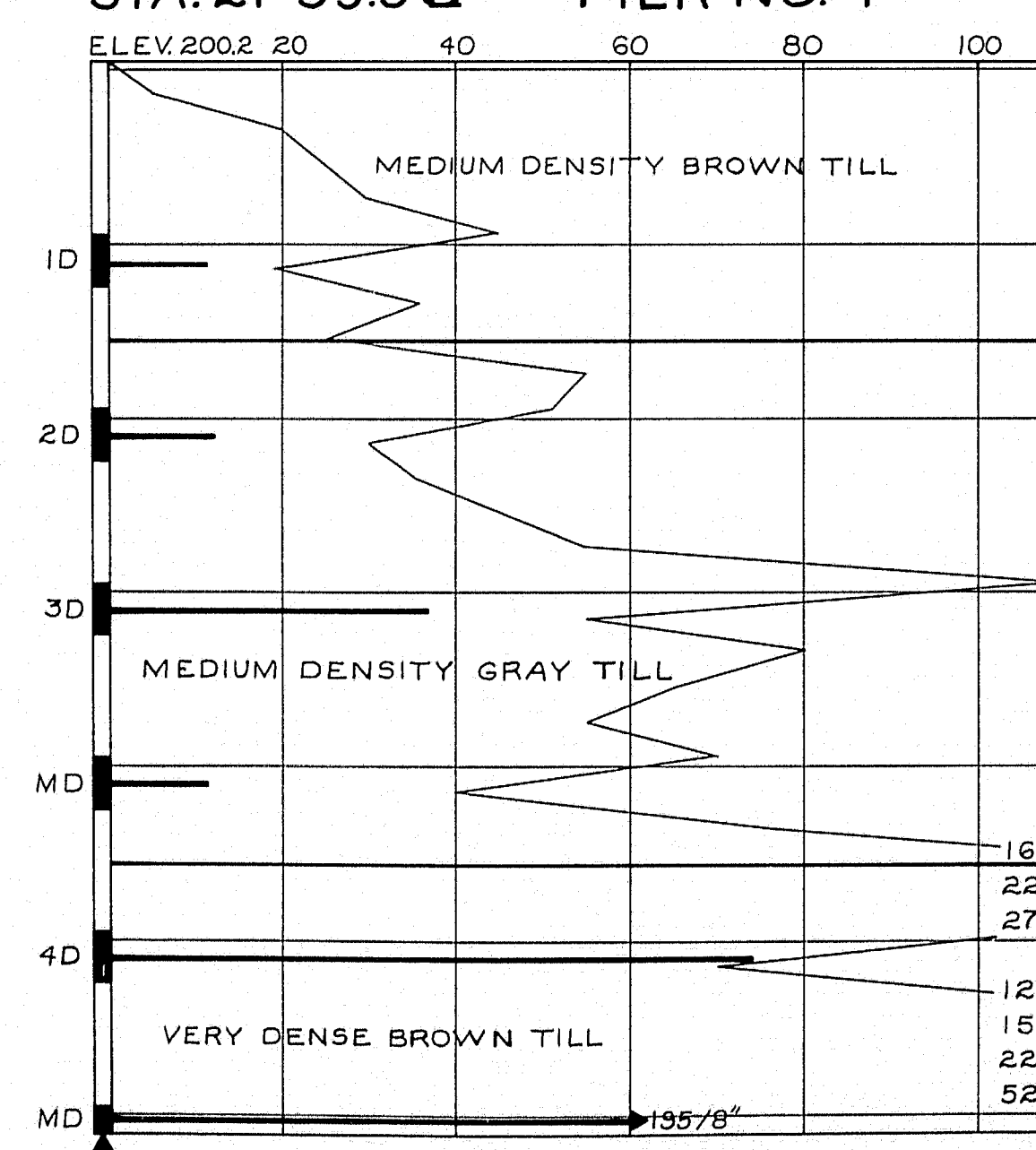
ALL SAMPLES AND VANES ARE MADE AHEAD OF CASING.
NUMBER OF BLOWS REQUIRED TO DRIVE EXTRA HEAVY CASING
ONE FOOT WITH 400 FT. LBS. OF ENERGY PER BLOW.
LOCATION OF SAMPLE OR SAMPLE ATTEMPT.
NUMBER AND TYPE OF DRY SAMPLE.
S 6 H SAMPLER #1290'S
UNSUCCESSFUL SAMPLE AND TYPE OF SAMPLER
NUMBER OF BLOWS REQUIRED TO DRIVE SPOON OR TUBING
ONE FOOT WITH 350 FT. LBS. OF ENERGY PER BLOW.
BOTTOM OF BORING (MAY NOT BE BOTTOM OF SOIL STRATA)
REFUSAL OF DRILL RODS OR CASING (MAY NOT BE LEDGE)
LOCATIONS CORED BY DIAMOND BIT AND PER CENT RECOVERY
OF ROCK.



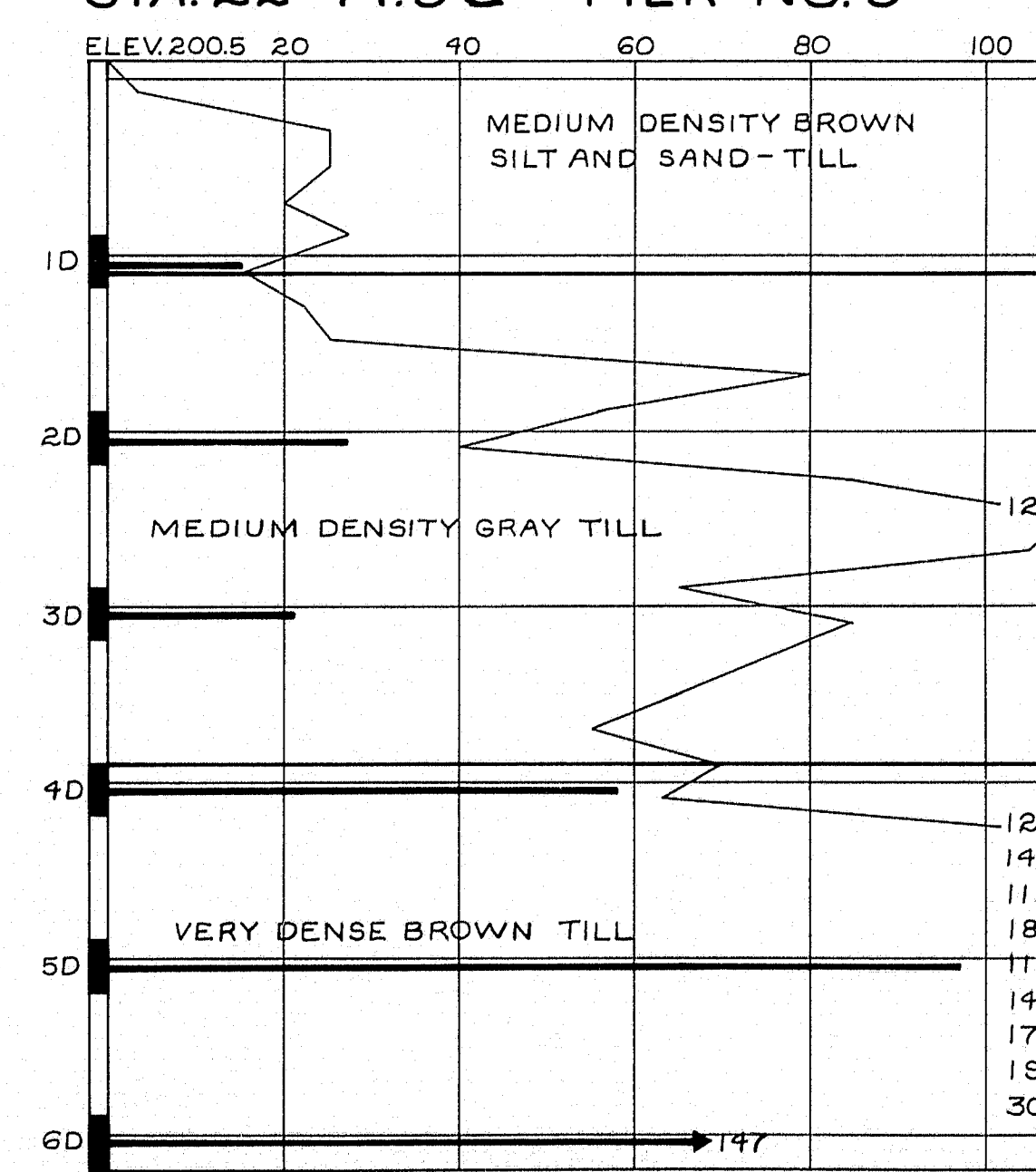
BORING NO. AB-119
STA. 21+21.5C PIER NO. 3



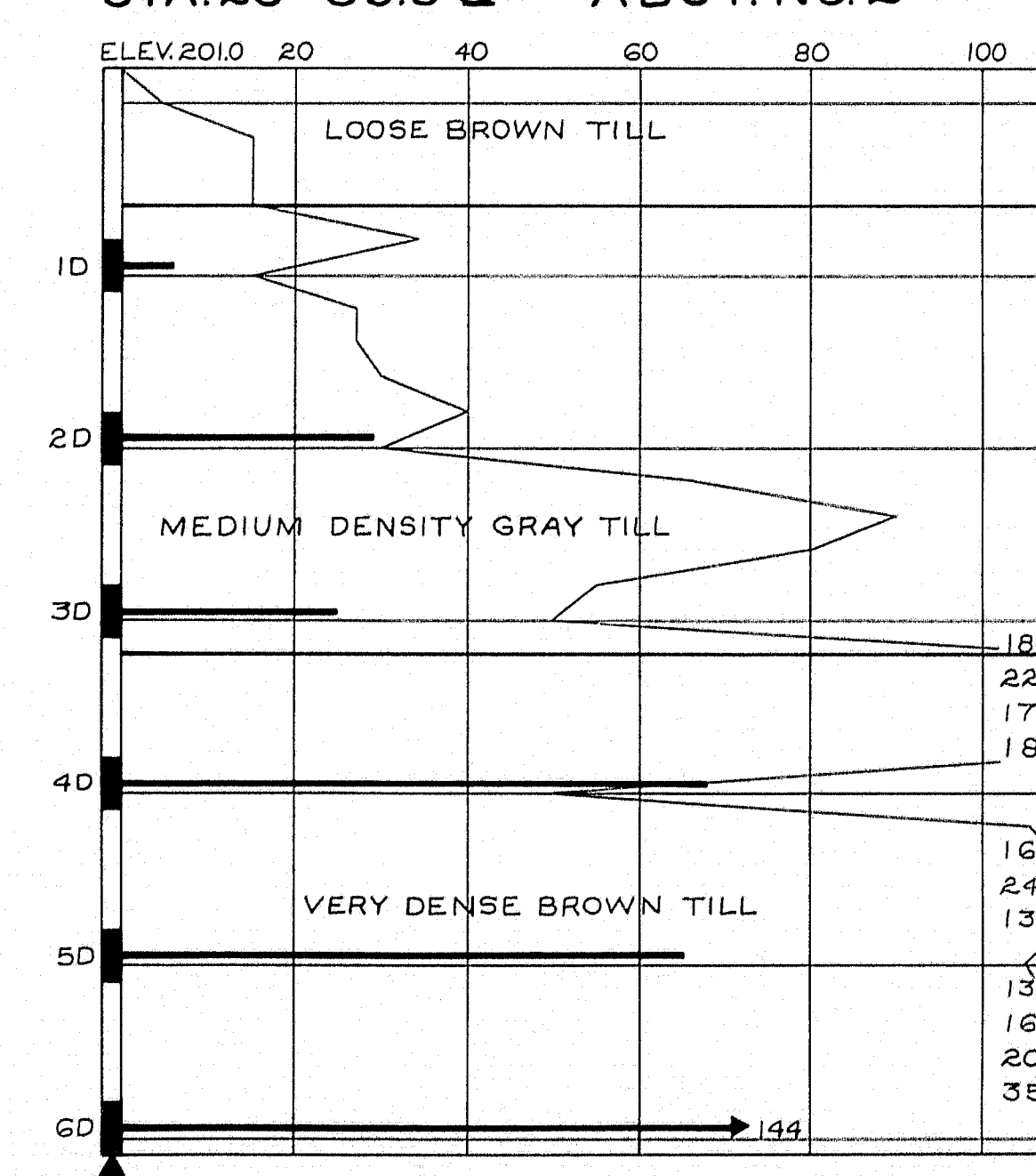
BORING NO. AB-120
STA. 21+99.5C PIER NO. 4



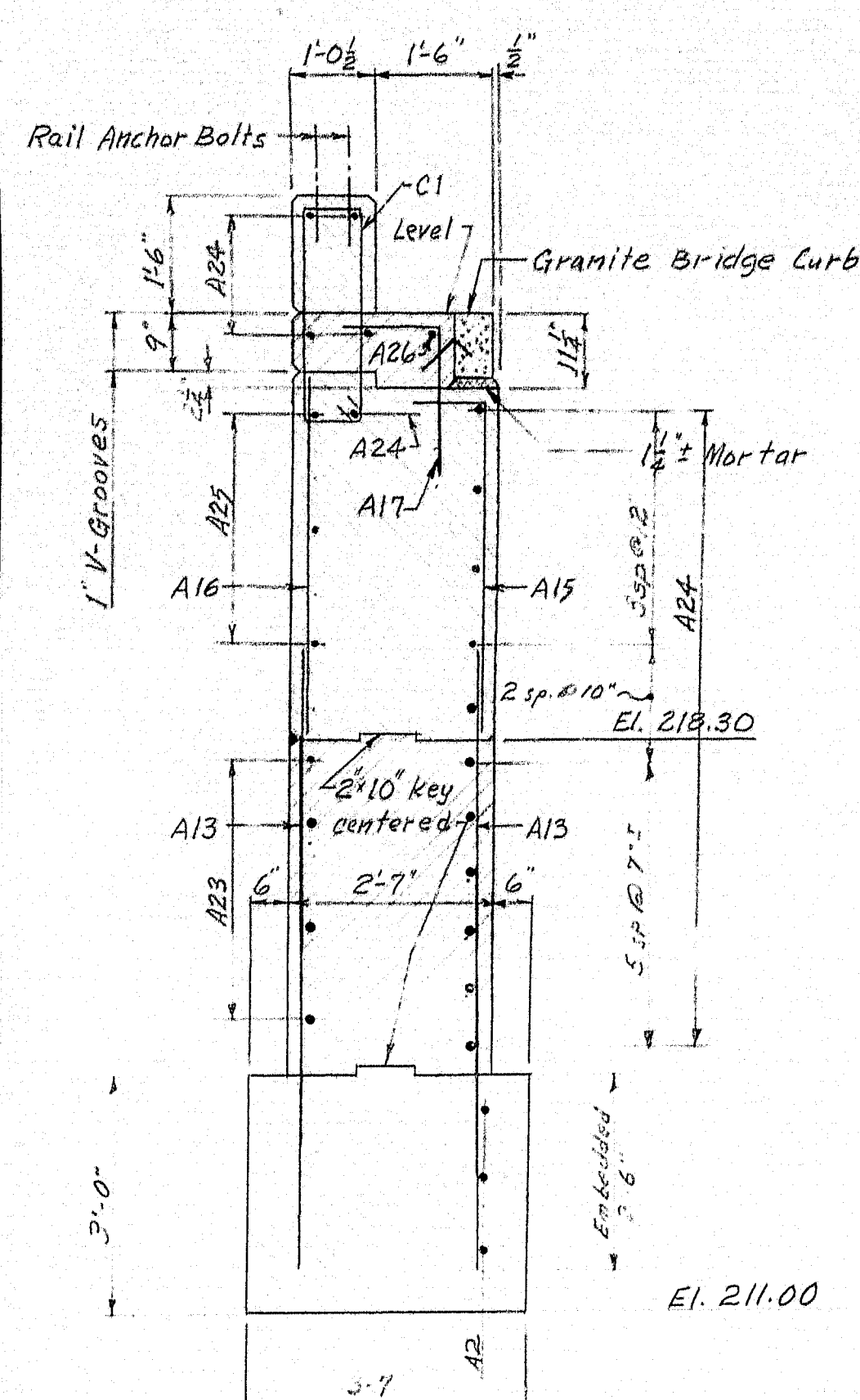
BORING NO. AB-121
STA. 22+77.5C PIER NO. 5



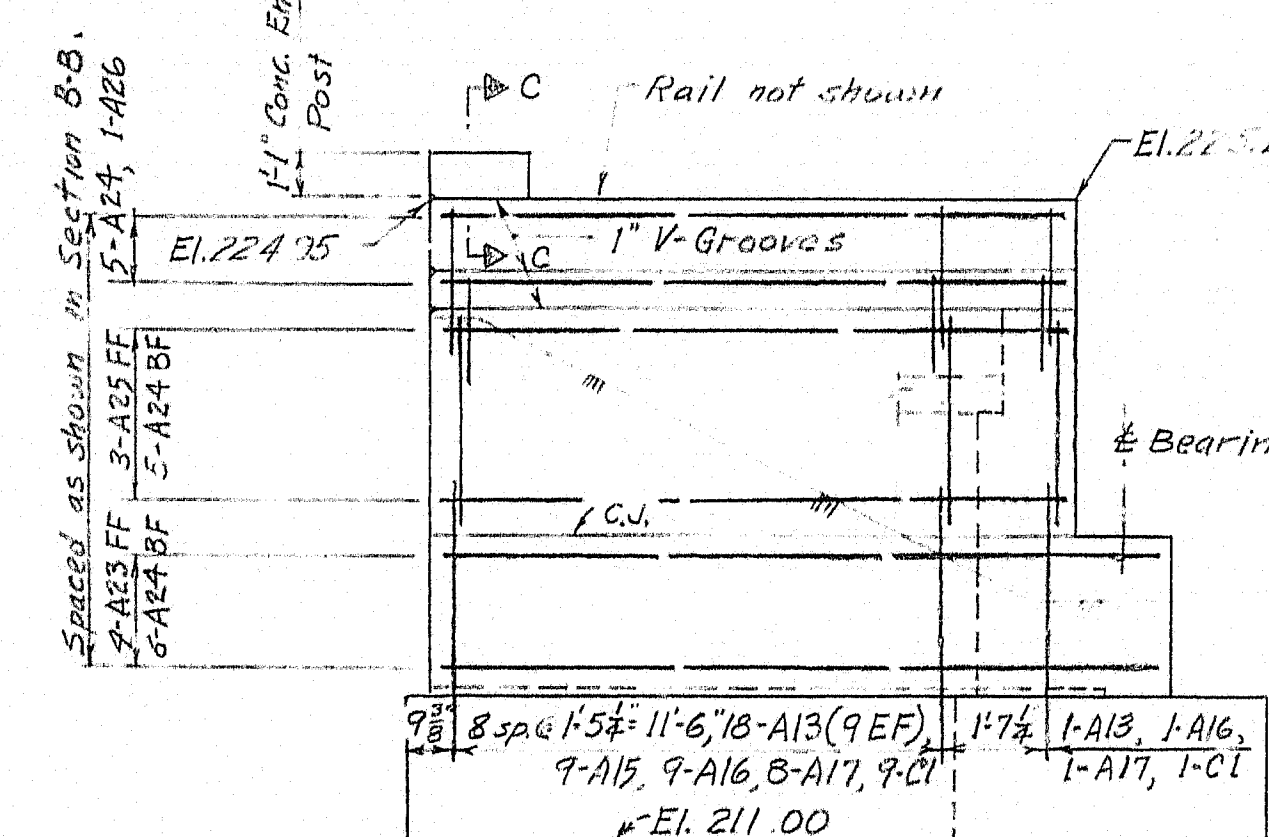
BORING NO. AB-122
STA. 23+39.5C ABUT. NO. 2



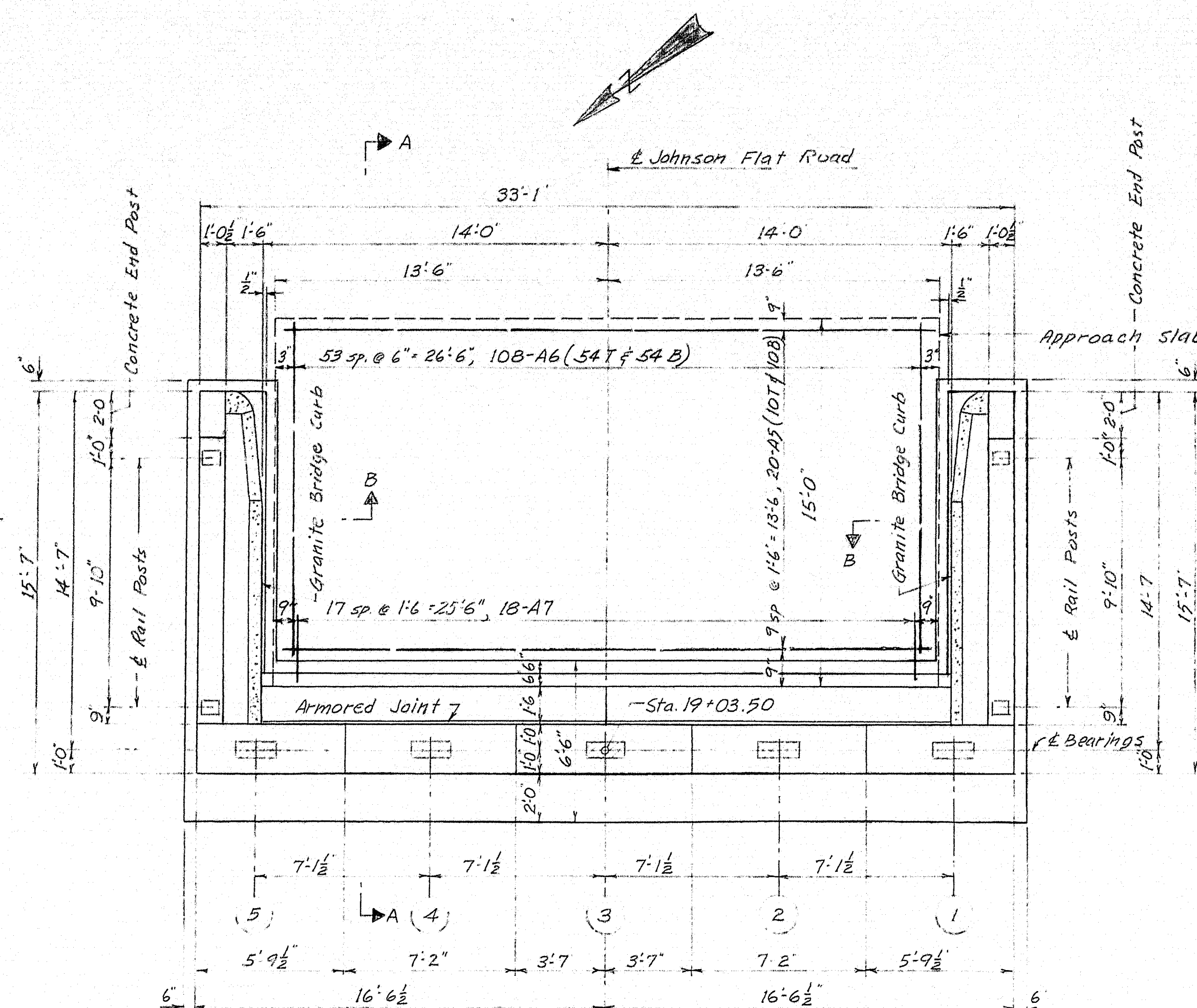
DESIGN-7
TRACE-
CHECK-
Soils Division
BRIDGE NO.
SURVEY-
PLOT-
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
JOHNSON FLAT ROAD
OVER
INTERSTATE 95
IN THE TOWN OF
PITTSFIELD
SOMERSET COUNTY
BORING DETAILS
SHEET 21 OF 35 AUGUSTA, MAINE APRIL 1963



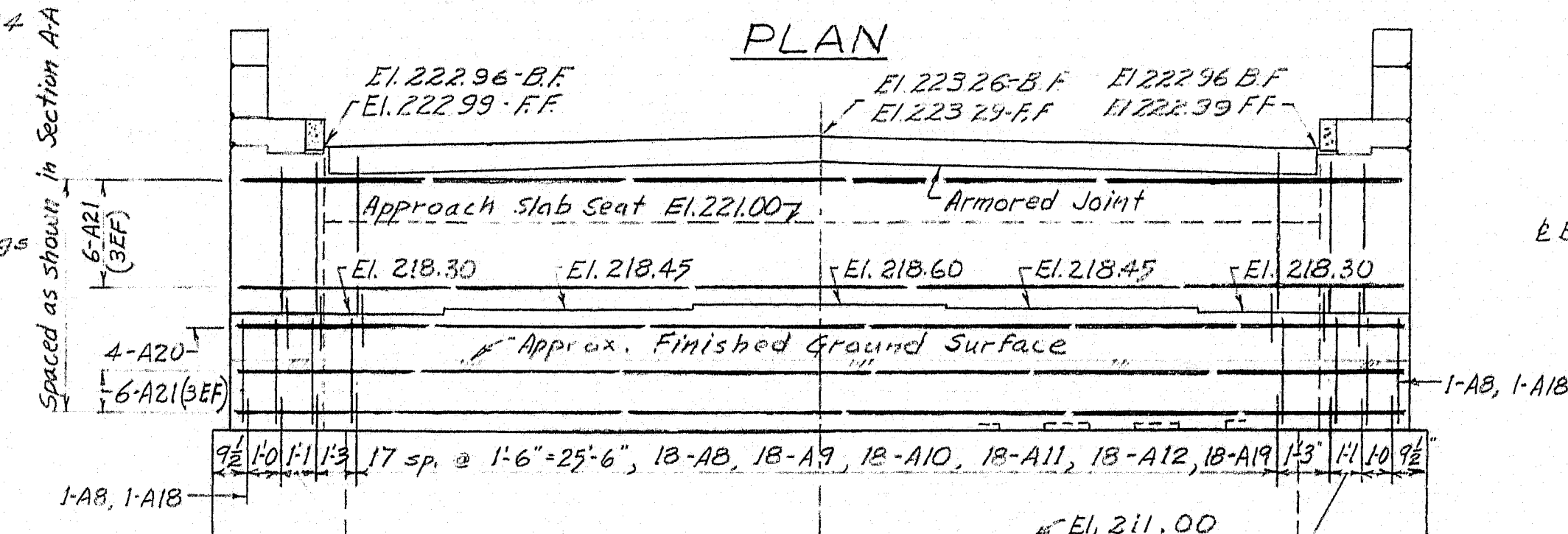
SECTION B-B



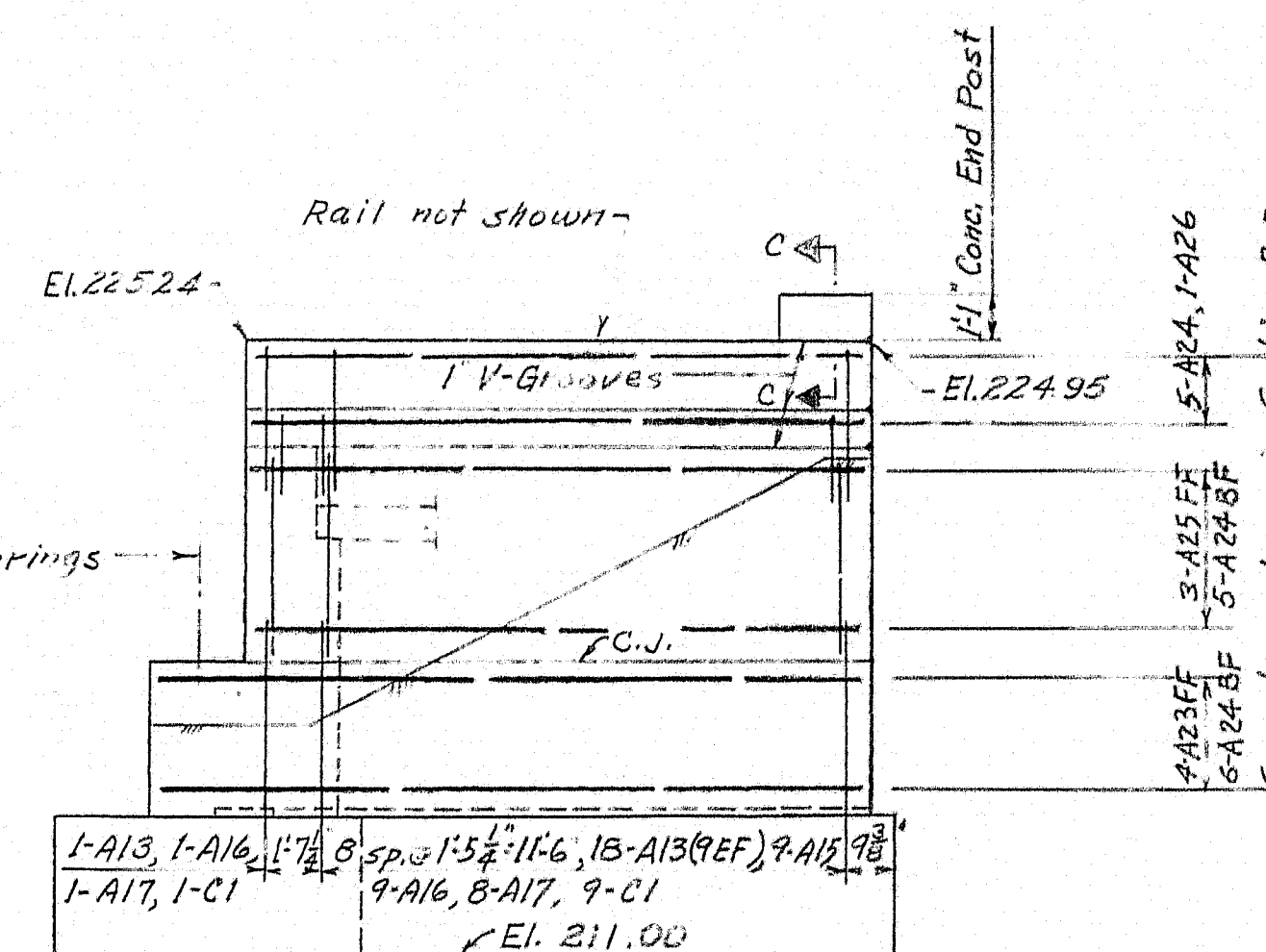
NORTH ELEVATION



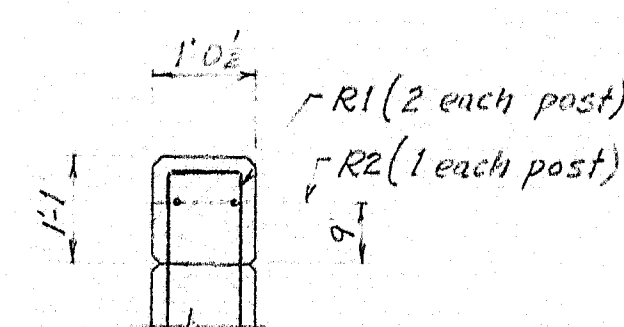
PLAN



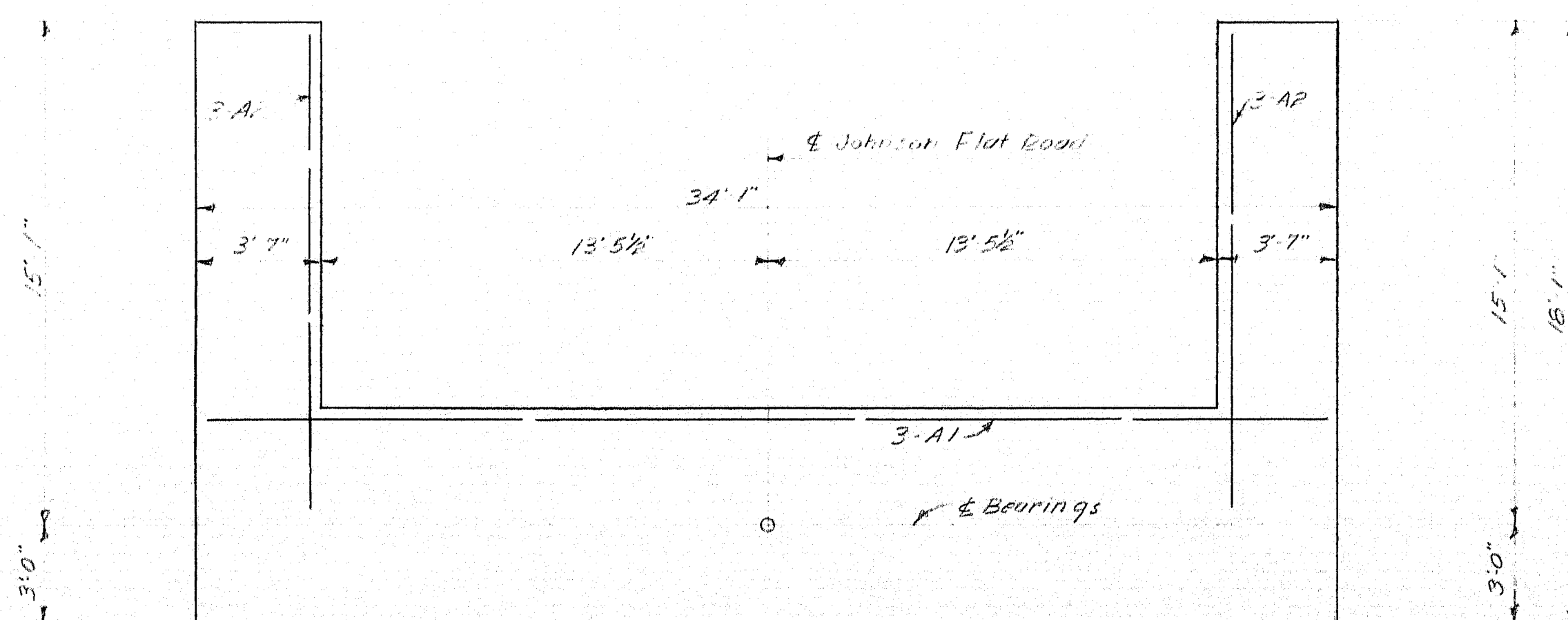
FRONT ELEVATION



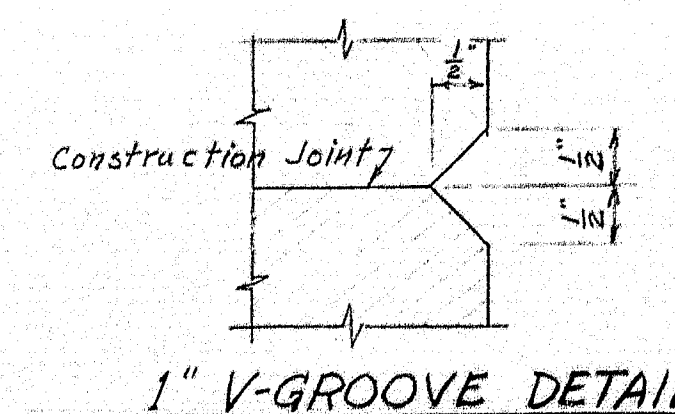
SOUTH ELEVATION



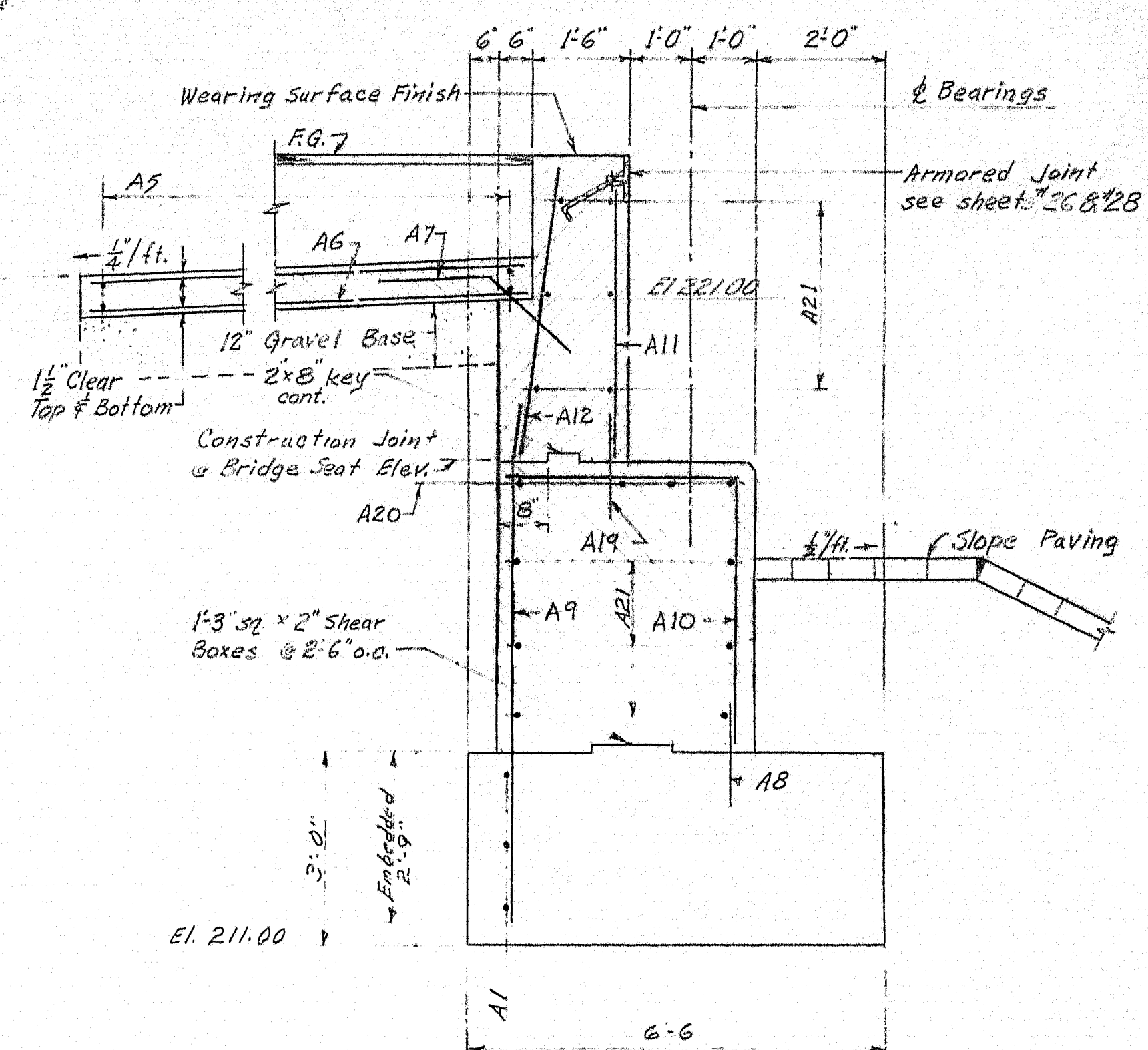
SECTION C-C



FOOTING PLAN



1" V-GROOVE DETAIL



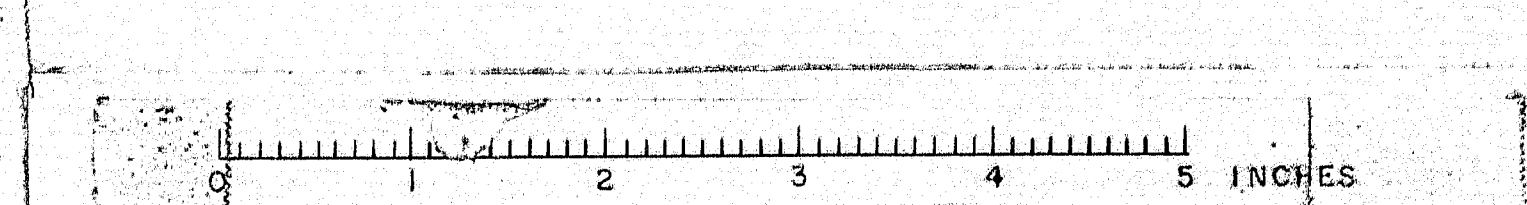
SECTION A-A

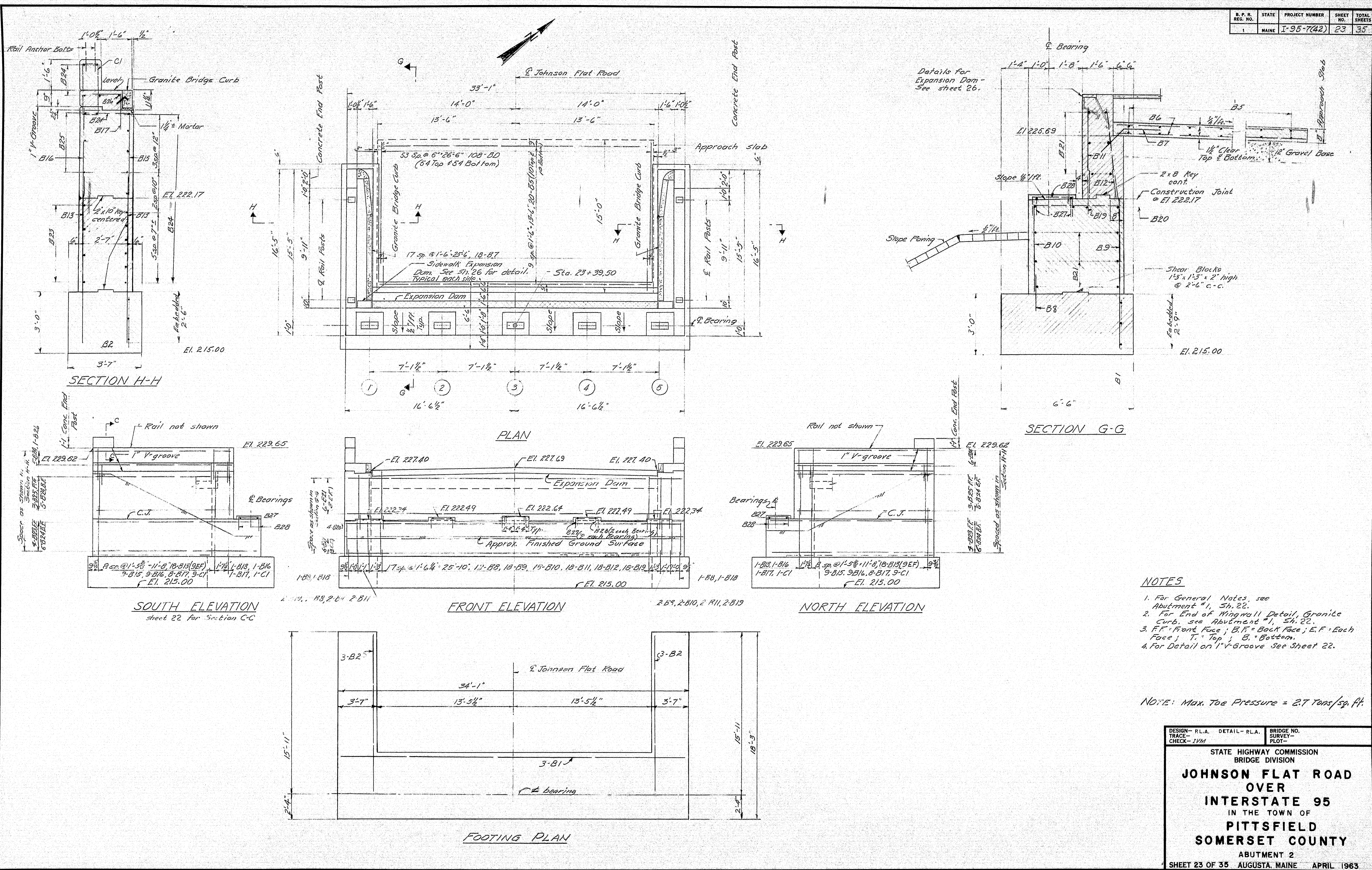
GENERAL ABUTMENT NOTES

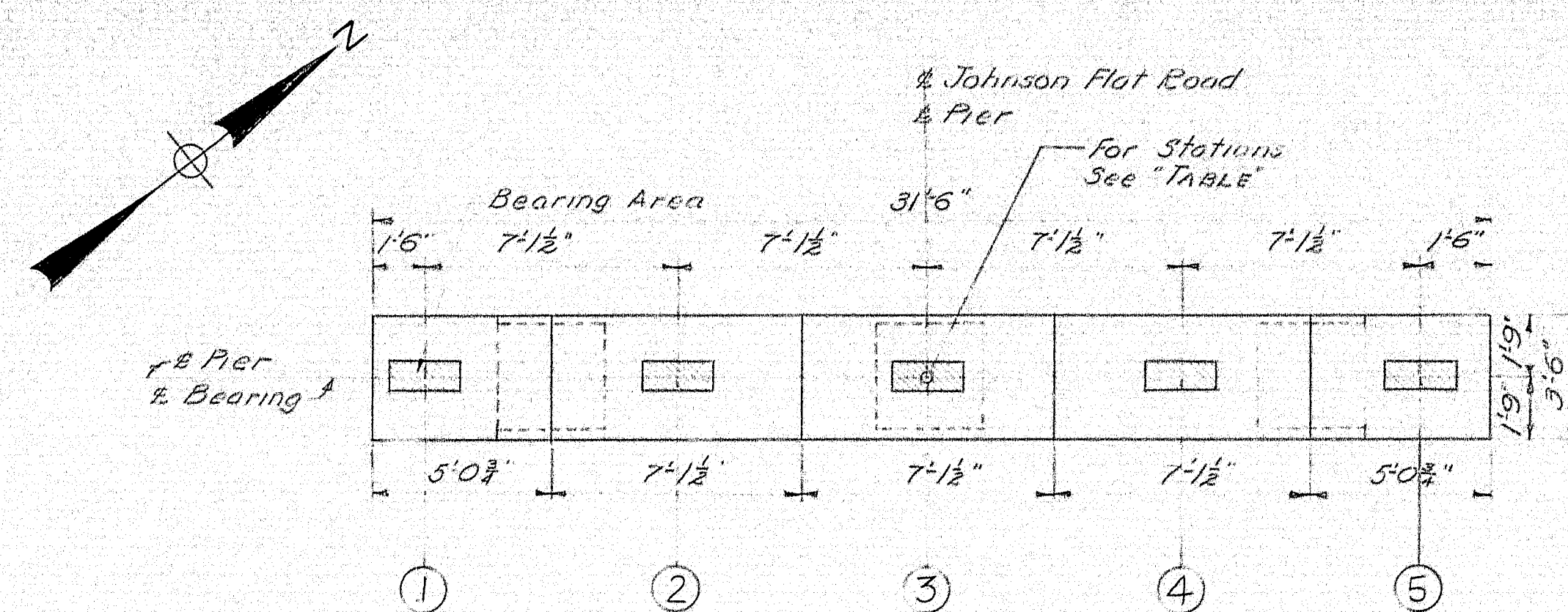
1. Place reinforcing steel in bridge seats to clear the Anchor Bolts.
2. Dress bearing areas 1" larger all around than the size of masonry plate.
3. Rail is not shown. For details see sheet 10 I RD-102-62.
4. Concrete in approach slab to be paid for under Item 101-33, Portland Cement Concrete, Abutments & Retaining Walls.
5. For Roadway Work at Abutments refer to Sheet 4.
6. For Typical Section of Granite Bridge Curb see Sheet 24.
7. Coat face of backwalls, bridge seats, & face of abutments 1/2" down to slope paving with Epoxy Resin Surface Sealant.
8. FF=Front Face, BF=Back Face, EF=End Face, FG=Finished Grade.
9. For Slope Paving at Abutments refer to Sheet 2419.

NOTE: Max. Toe Pressure = 2.2 Tons/sq ft.

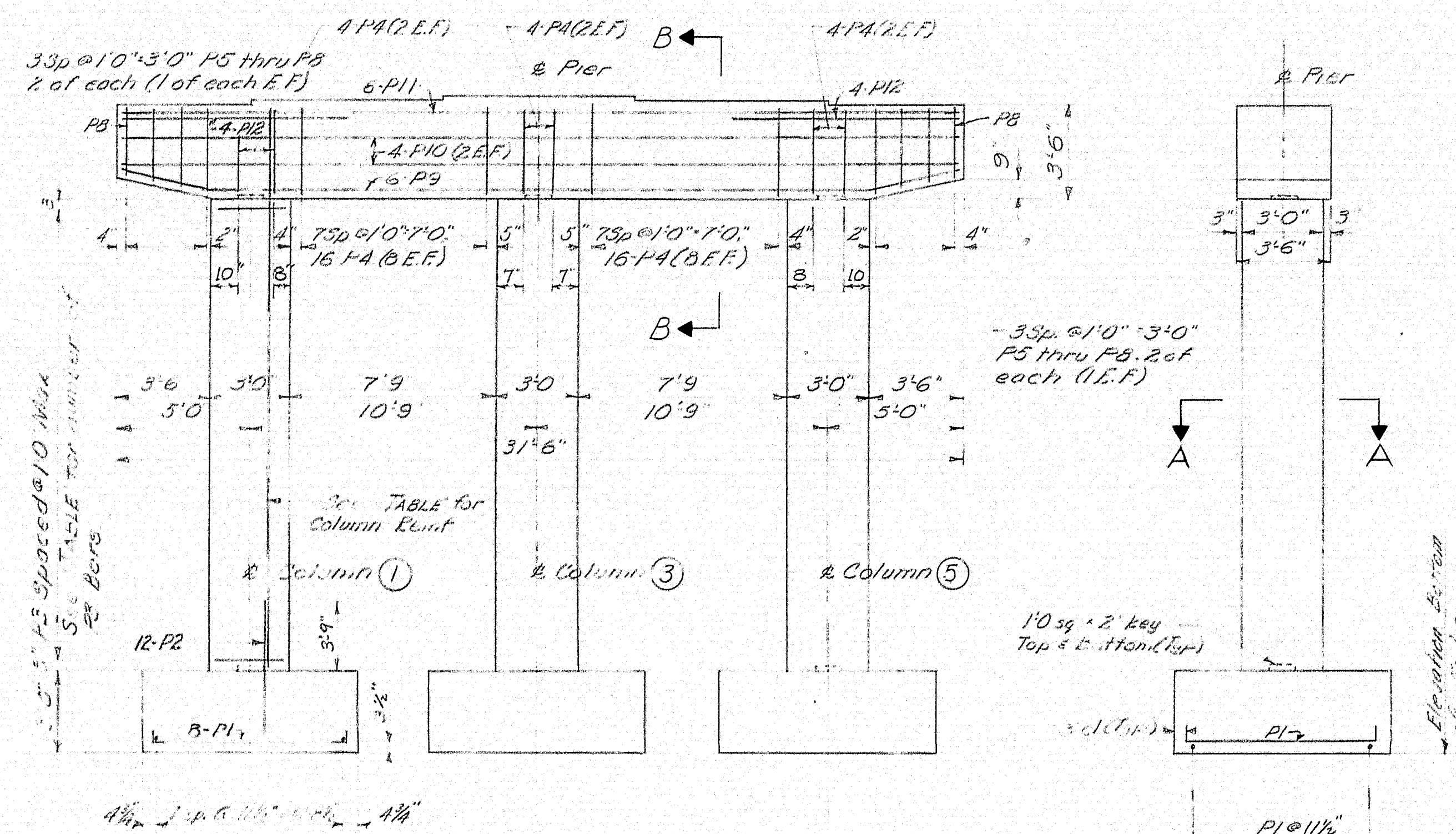
DESIGN- P.L.A.	DETAIL- C.D.H.	BRIDGE NO.
TRACE- J.V.M.		SURVEY- PLOT-
STATE HIGHWAY COMMISSION		
BRIDGE DIVISION		
JOHNSON FLAT ROAD		
OVER		
INTERSTATE 95		
IN THE TOWN OF		
PITTSFIELD		
SOMERSET COUNTY		
ABUTMENT 1		
SHEET 22 OF 35 AUGUSTA, MAINE APRIL 1963		





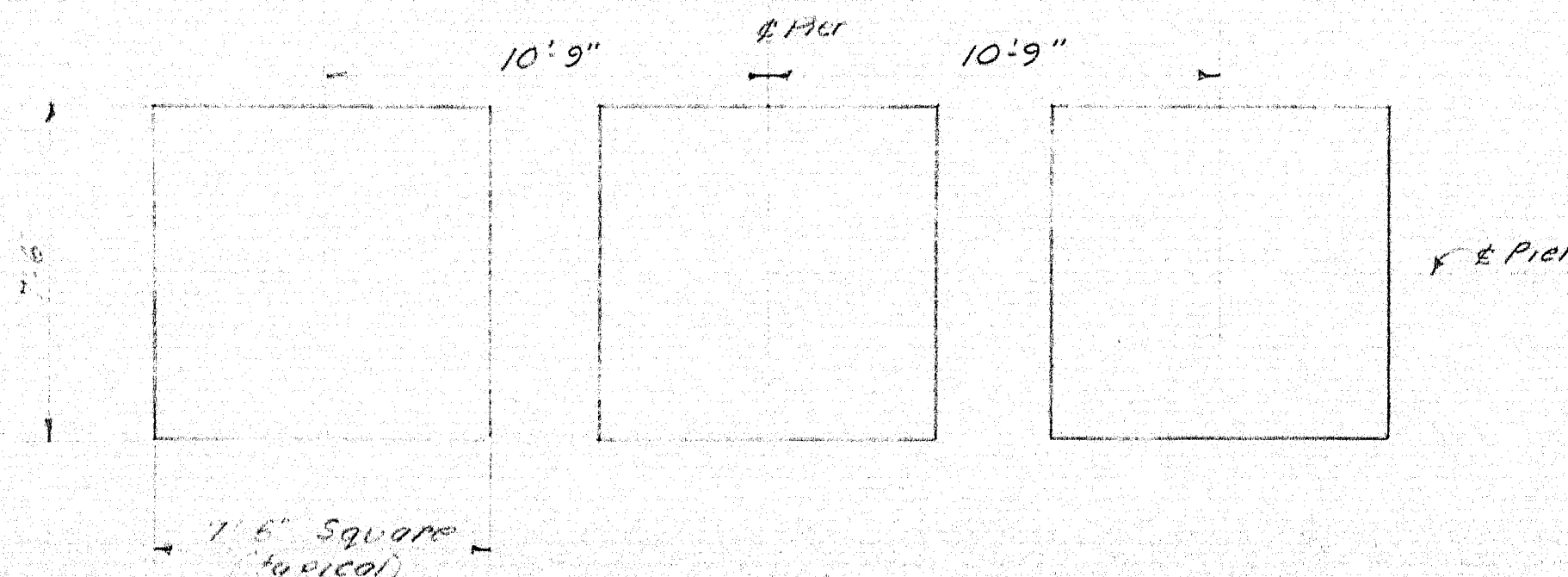


PLAN-PIER CAP



SIDE ELEVATION

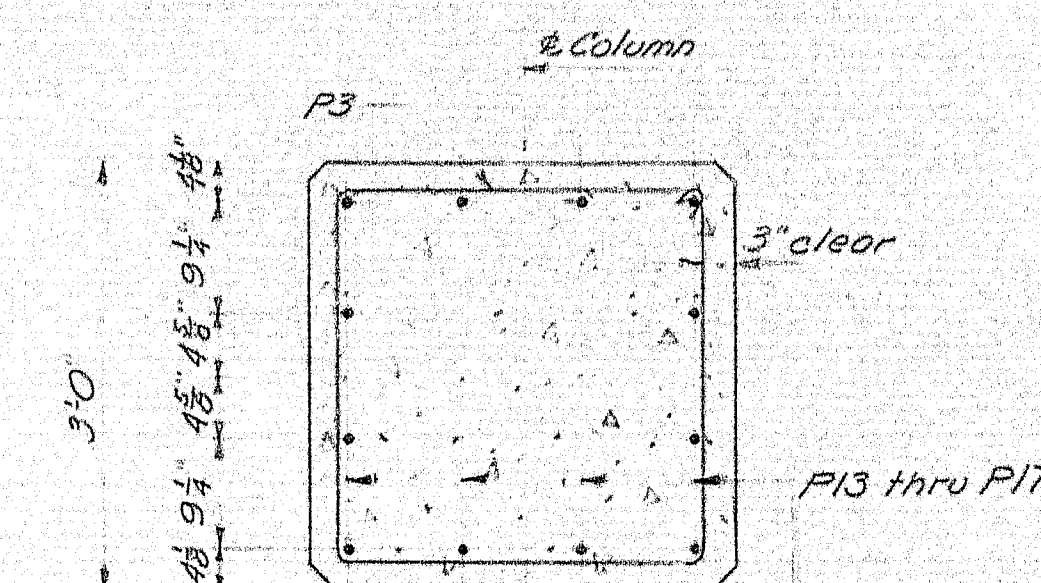
END ELEVATION



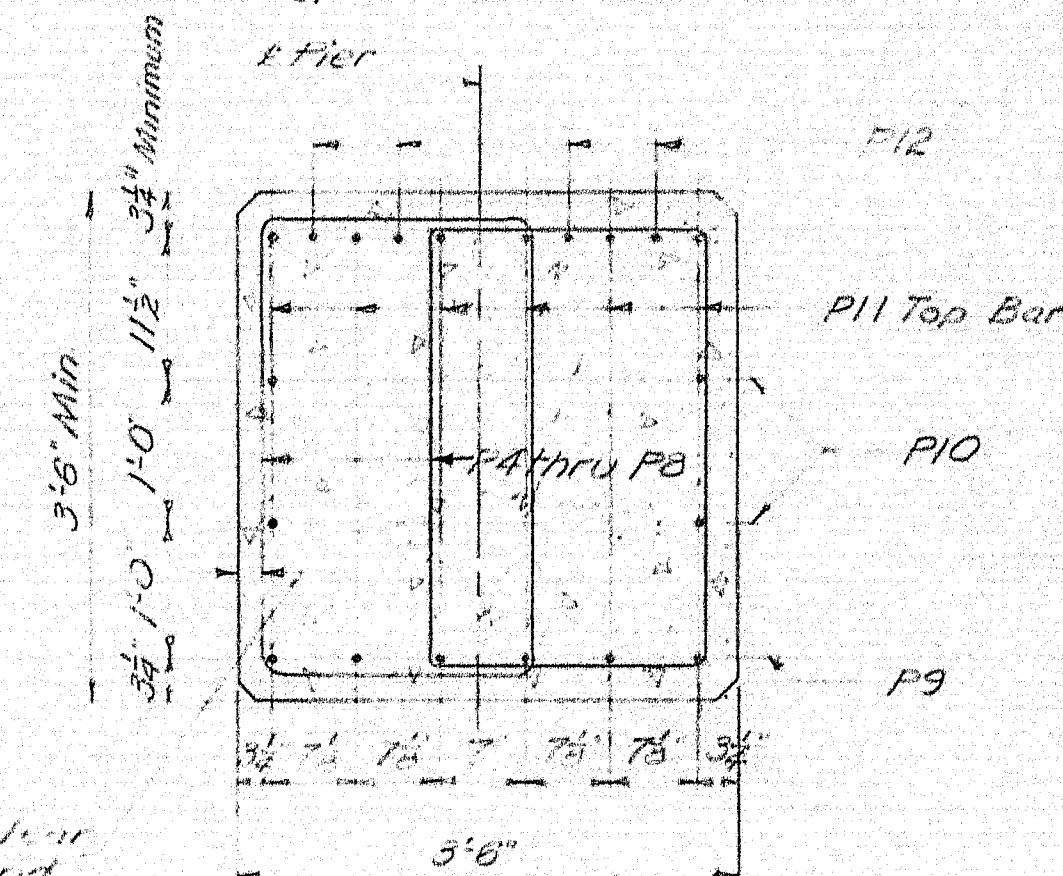
FOOTING PLAN

BRIDGE SEAT ELEVATIONS					
Location Line	Pier #1	Pier #2	Pier #3	Pier #4	Pier #5
①	219.12	220.42	221.37	221.99	222.27
②	219.28	220.56	221.52	222.13	222.42
③	219.43	220.71	221.67	222.28	222.57
④	219.28	220.56	221.52	222.13	222.42
⑤	219.12	220.42	221.37	221.99	222.27

TABLE				
PIER	COLUMN	Elevation Bottom of Footing	Column Reinf	STATIONS
#1	1	134.00	12-P13 20-P3	19+65.50
	3	do	12-P13 20-P3	
	5	do	12-P13 20-P3	
#2	1	131.00	12-P14 24-P3	20+43.50
	3	do	12-P14 24-P3	
	5	do	12-P14 24-P3	
#3	1	135.00	12-P15 21-P3	21+21.50
	3	do	12-P15 21-P3	
	5	do	12-P15 21-P3	
#4	1	133.00	12-P16 23-P3	21+99.50
	3	do	12-P16 23-P3	
	5	do	12-P16 23-P3	
#5	1	135.00	12-P17 22-P3	22+77.50
	3	do	12-P17 22-P3	
	5	do	12-P17 22-P3	



SECTION A-A
Typical for all columns



SECTION B-B

GENERAL NOTES:

- Position reinforcing steel in pier cap, under bearings, to clear swaged anchor bolts.
- Chamfer all exposed edges of concrete $\frac{3}{4}$ inch.
- Dress the shaded bearing areas on the bridge seats 1 inch larger all around the masonry plates, to exact elevations shown in "BRIDGE SEAT ELEVATIONS" table.
- E.F. = each face of pier.
- Maximum Footing Pressure = 3.7 tons per sq. ft.
- If after excavating for Pier 5, the bottom of the footing is within the brown remarked till and the material appears to be soft, the Engineer shall determine the advisability of excavating approximately a foot more. This additional foot of excavation will be replaced with well compacted gravel borrow. Payment for the excavation & gravel borrow will be made under Items 205-14 and 205-12. Maximum pay limits for Gravel Borrow in Place Measurement shall be 16 outside the Pier footing.

DESIGN - C.D.H.	DETAIL - B.S.H.	BRIDGE NO.
TRACE -	PLOT -	SURVEY -
CHECK - A.H.R.		PLOT -

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

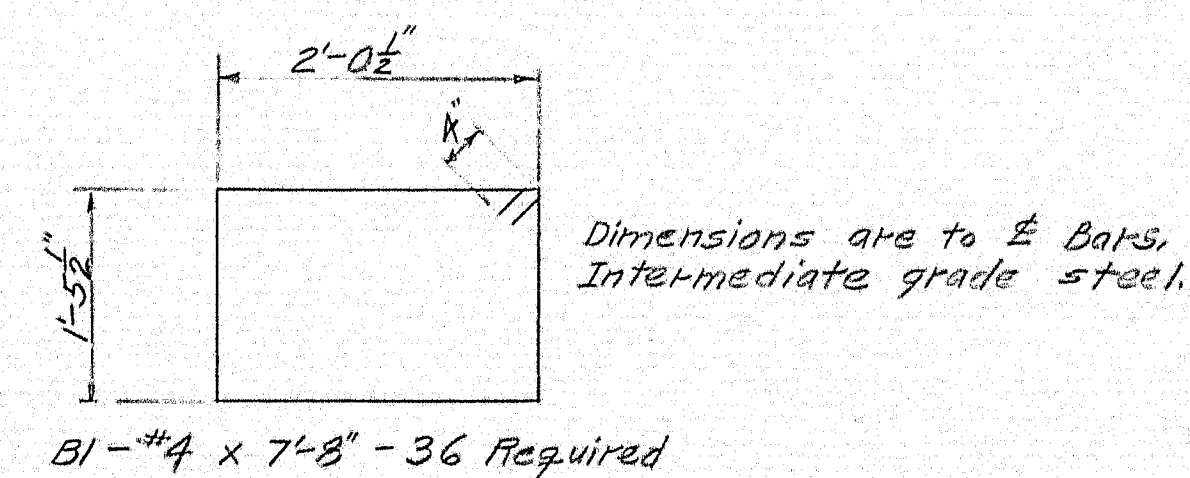
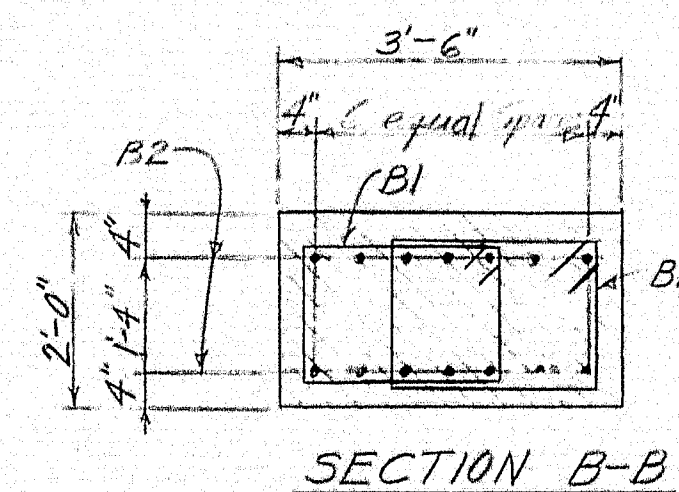
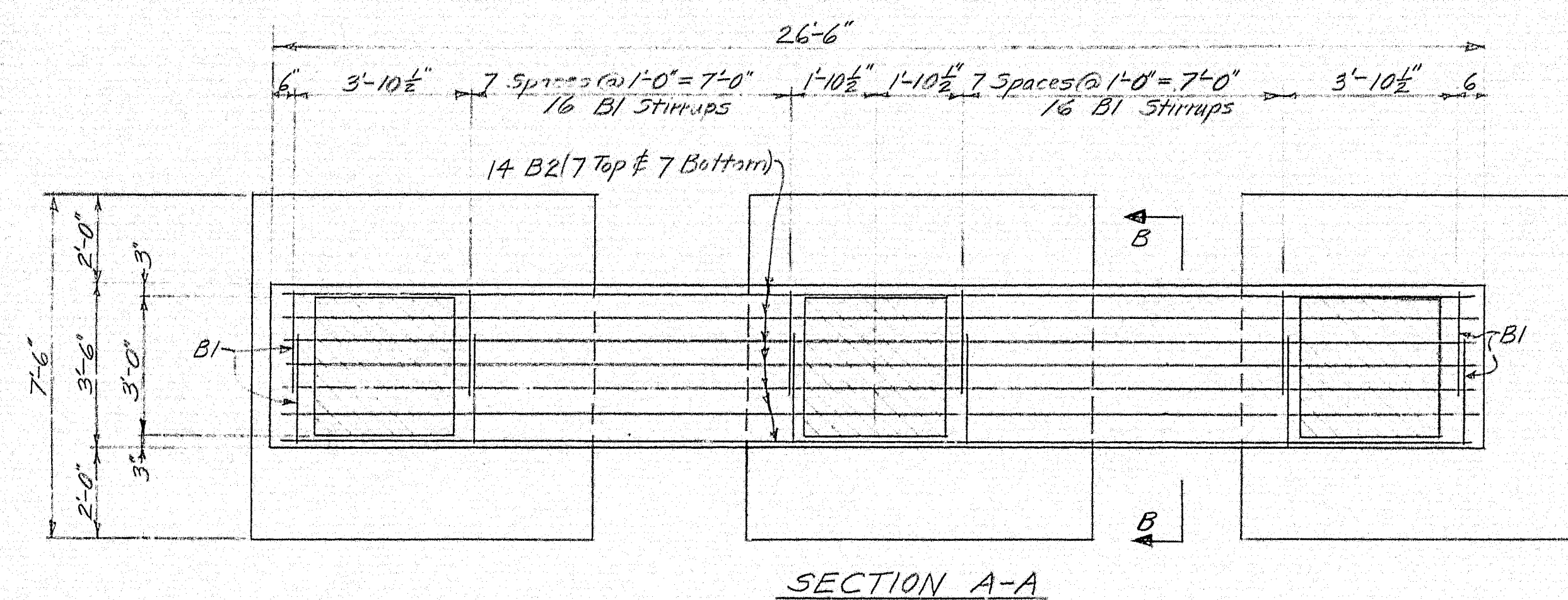
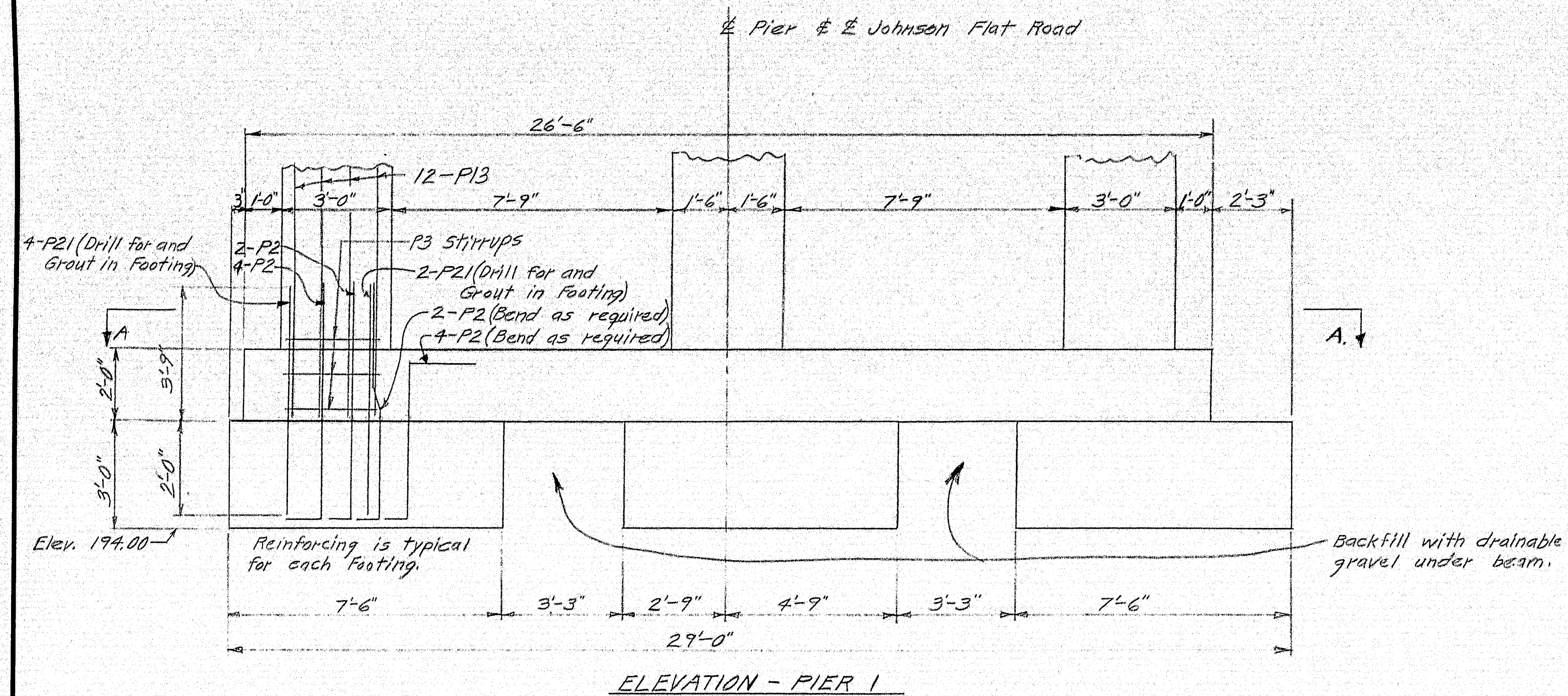
**JOHNSON FLAT ROAD
OVER
INTERSTATE 95**

**PITTSFIELD
SOMERSET COUNTY**

PIERS

SHEET 24 OF 35 AUGUSTA, MAINE APRIL 1963

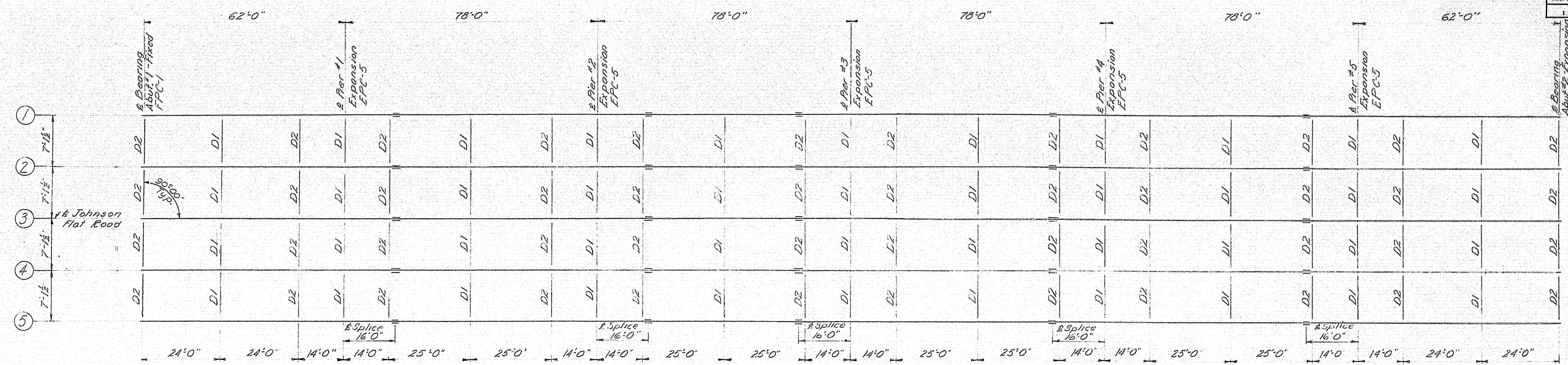
B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-7(42)	24A	35



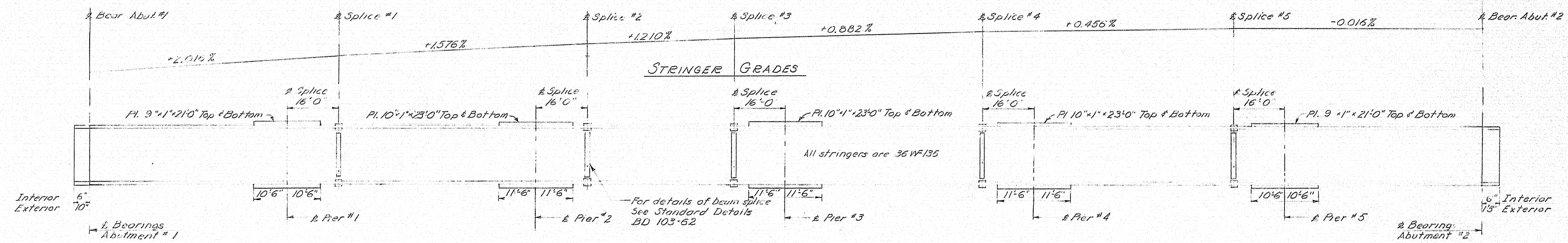
B2 - #8 x 26'-0" - 14 Required (straight)

P21 - #9 x 5'-9" - 18 Required (straight)

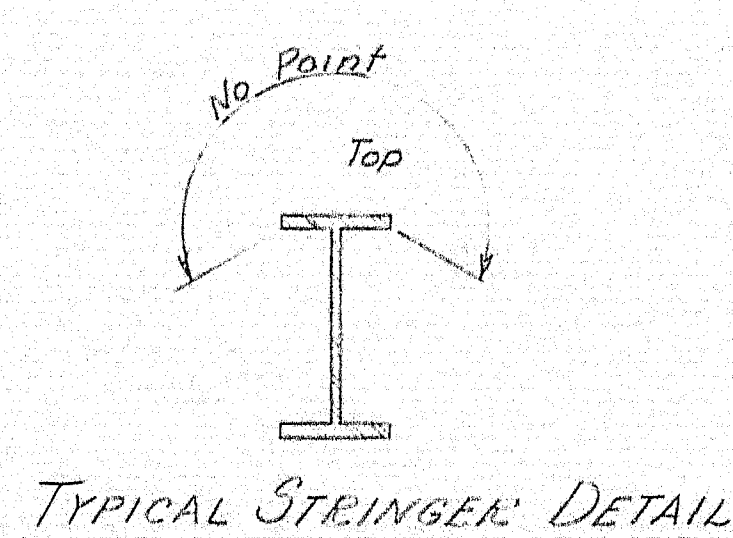
DESIGN - A.H.R.	BRIDGE NO.
TRACE - J.H.K.	SURVEY -
CHECK - J.H.K.	PLAN -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
JOHNSON FLAT ROAD OVER INTERSTATE 95 IN THE TOWN OF PITTSFIELD SOMERSET COUNTY	
PIER 1 REVISION	
SHEET 24A OF 35 AUGUSTA, MAINE SEPT. 1963	



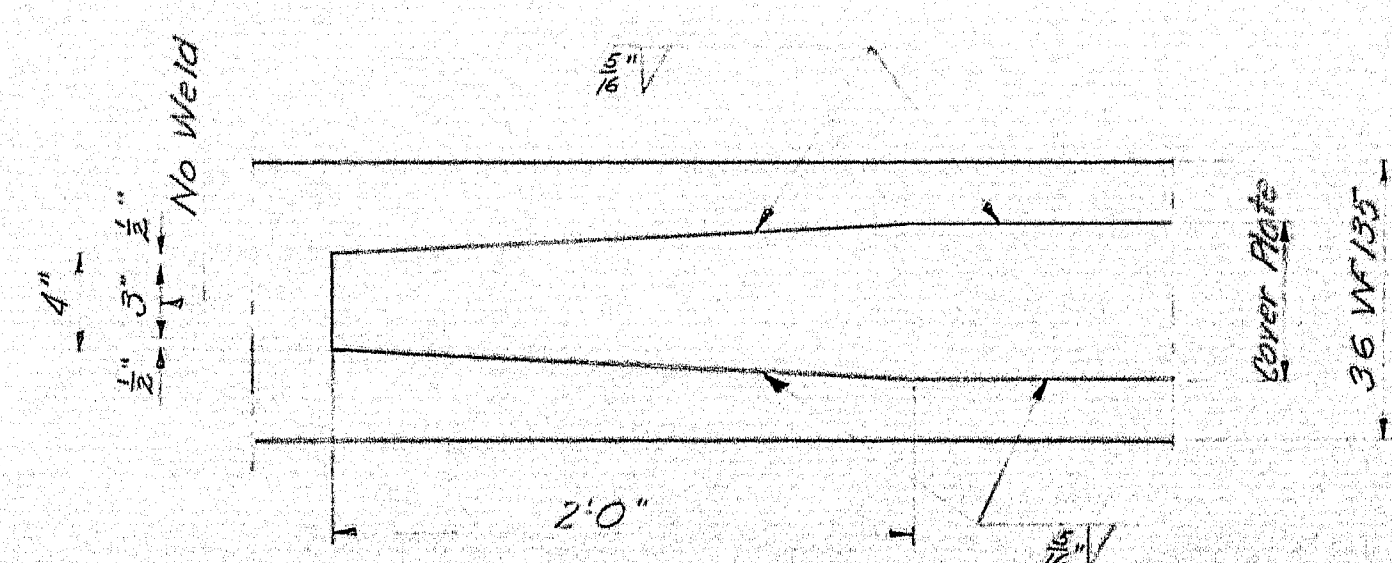
FRAMING PLAN
All Dimensions Are Horizontal



STRINGER GRADES



TYPICAL STRINGER DETAIL



END OF COVER PLATE DETAIL

- NOTES**
1. Stringer, cover plates and splices shall conform to the latest revision of the Specification A.S.T.M. Designation A36. All other structural steel shall conform to A.S.T.M. Designation A7 or A36.
 2. Field connections will be $\frac{1}{2}$ " High Tensile Strength Bolts.
 3. The Engineer shall be supplied with a diagram showing match marks of connecting parts assembled in the shop.
 4. Diaphragms Type "A" diaphragms, D2 are Type "B" diaphragms. See Standard Details BD 104-62.
 5. For Bearing Pedestals EPC-5, EPC-1, see Standard Details BD 101-62.

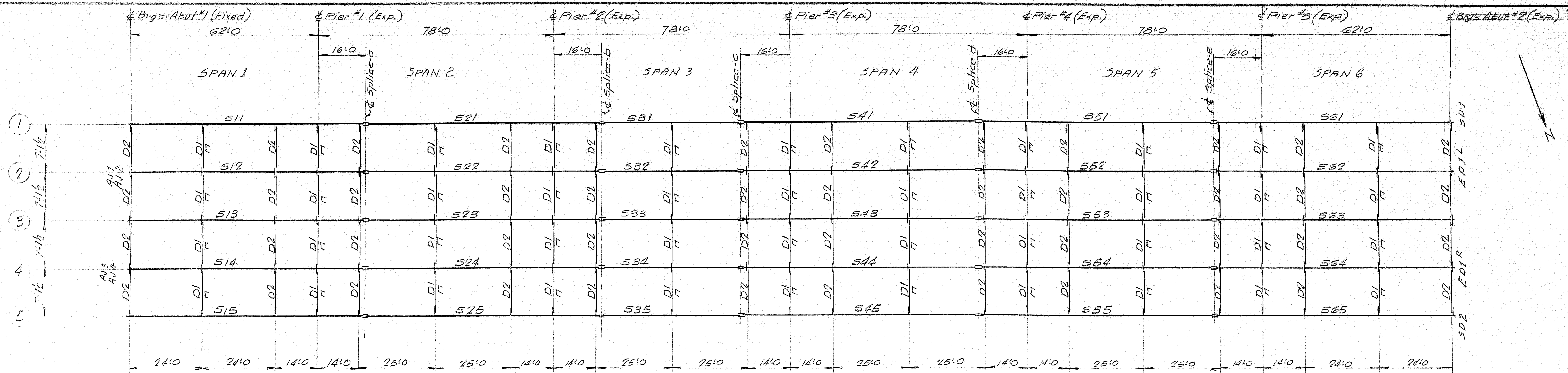
DESIGN - C.D.H.	DETAIL - B.S.H.	BRIDGE NO.
TRACE -	PLOT -	
CHECK - POG, AHR		

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

**JOHNSON FLAT ROAD
OVER
INTERSTATE 95**

IN THE TOWN OF
PITTSFIELD
SOMERSET COUNTY

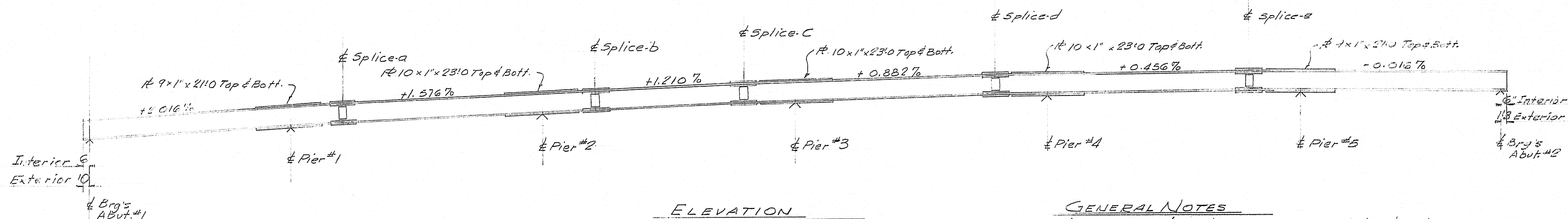
FRAMING PLAN
SHEET 25 OF 35 AUGUSTA, MAINE APRIL 1963



SEE DWG. 63-216-51 FOR
LOCATION OF BEARINGS

FRAMING PLAN

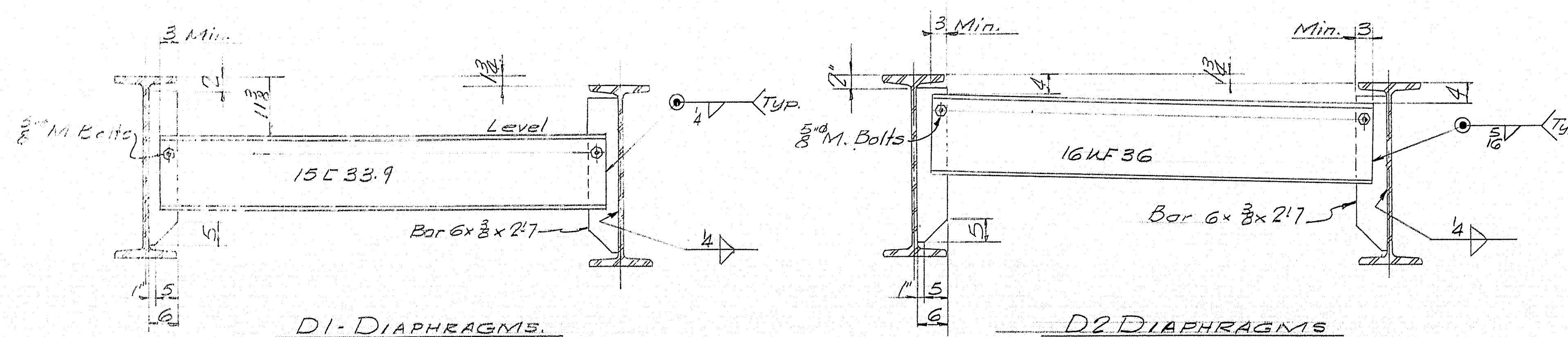
All Dimensions are Horizontal
All Stringers are 36WF135
D1 are 15C33.9
D2 are 16WF36



ELEVATION

GENERAL NOTES

- 1) Material for stringers, cover plates & splices shall conform to A.S.T.M. Desig. A36. All other steel shall conform to either A.S.T.M. A36 or A7.
- 2) Holes in field splices or continuous beams are to be sub-punched (or sub-drilled) and reamed while assembled in the shop and connecting parts to be match marked & bolted for shipment. See Dwg. 63-216-52 for Splice Detail.
- 3) Bearings to be field welded to stringers.
- 4) Submerged Arc Welding Process shall be used for welding cover plates to beams.

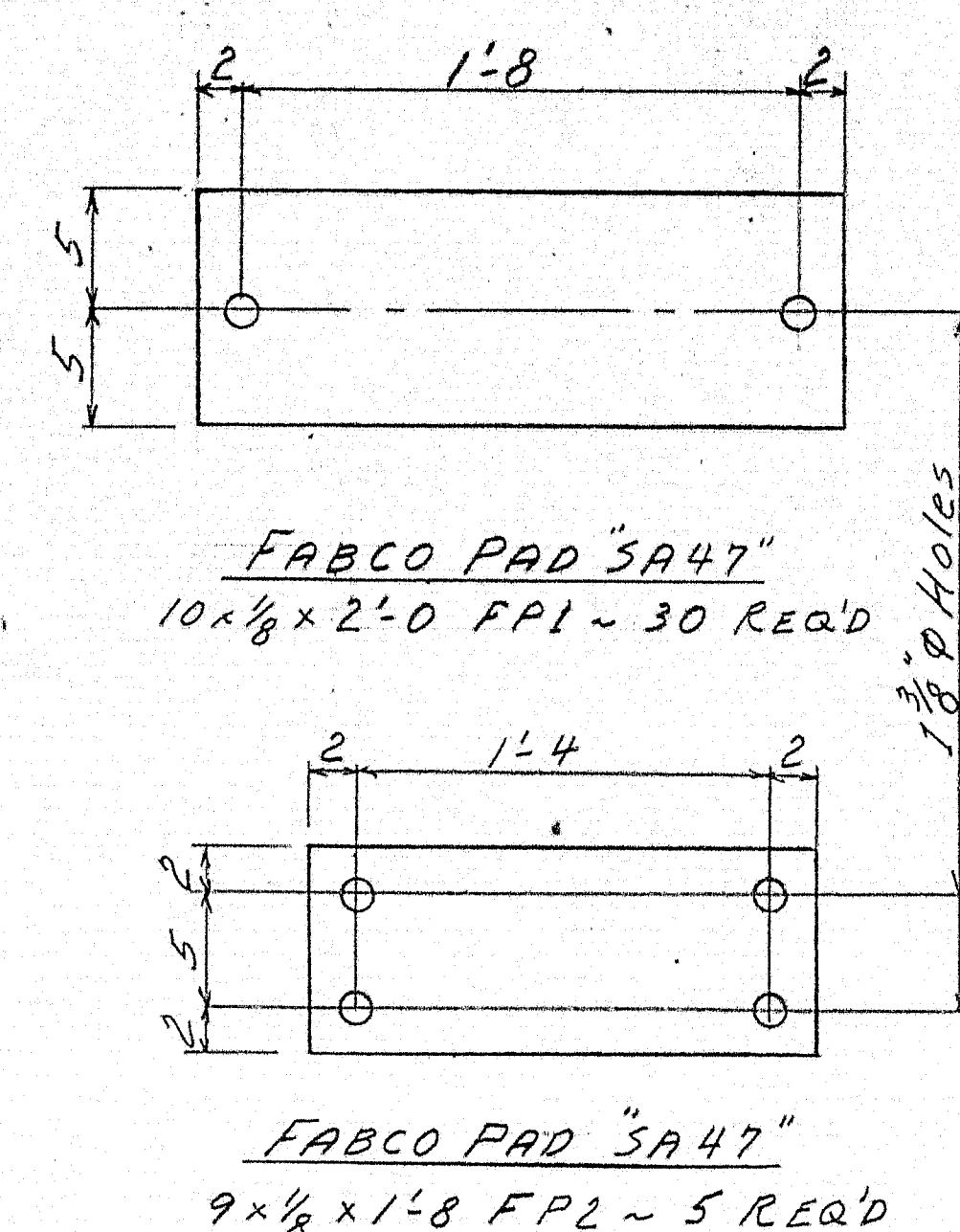


D1-DIAPHRAGMS.

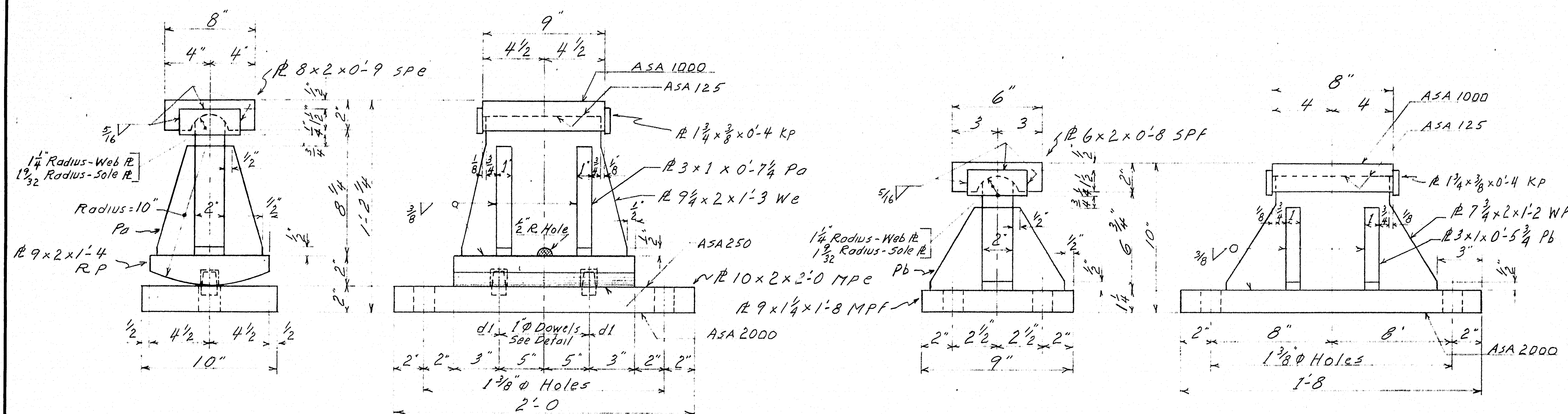
D2-DIAPHRAGMS

DRAWN	B.1263 J.P.F.
REVISION	
REVISION	
REVISION	

FRAMING PLAN	
Bancroft & Martin Inc. South Portland, Maine	
JOHNSON FLAT BRIDGE PITTSFIELD, MAINE	
CUSTOMER	N.E. JACKSON
DESIGNER	MAINE S.H.C. BRIDGES INC.
ORDER NO.	DWG. NO. 63-216-E1

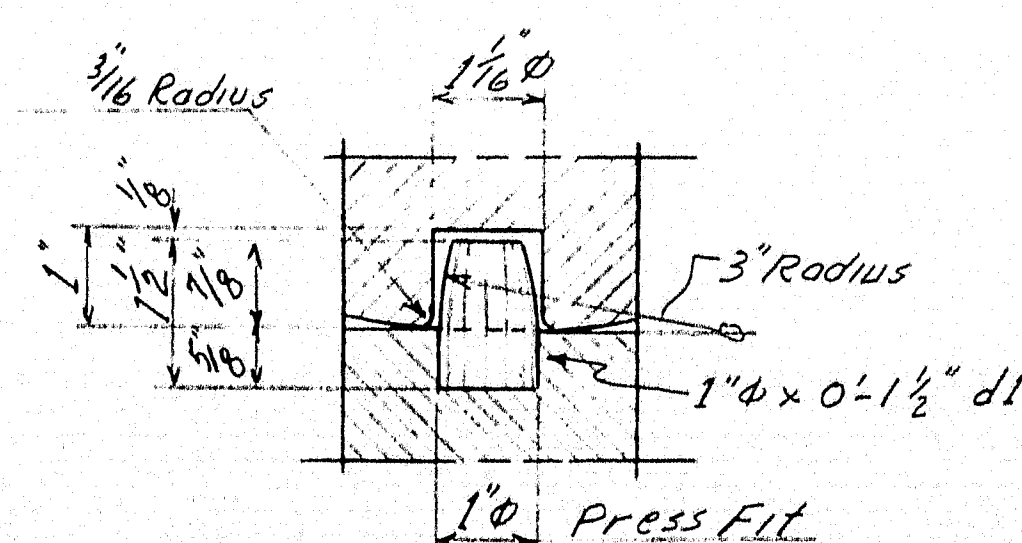


LOCATION OF BEARINGS



EXPANSION PEDESTAL EPC-5
30 REQ'D.

FIXED PEDESTAL - FPC-1 5 REQ'D.

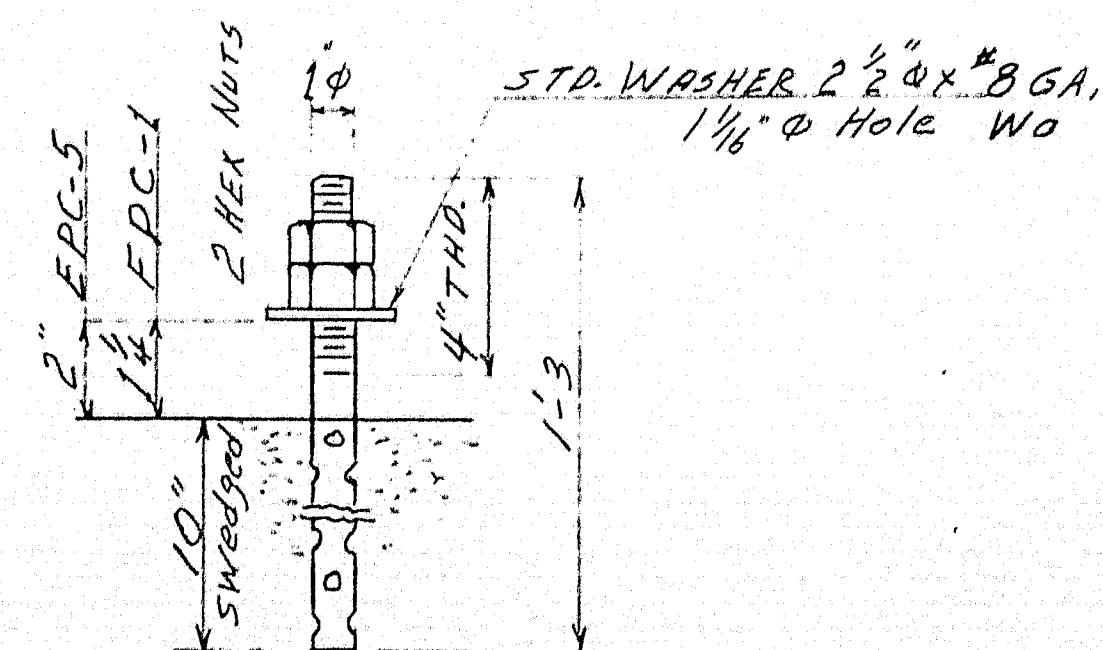


DOWEL DETAIL

PAINT NOTE

NO PAINT ON TOP OF SOLE PLATES "SP" AND
1" DOWN FROM TOP ON SIDES; COAT WITH BOILED
LINSEED OIL.

NO PAINT ON SURFACE WITH ASA 125 FINISH;
COAT WITH MIXTURE OF WHITE LEAD AND TALLOW.



ANCHOR BOLTS 1" x 1'-3 AB1
2 REQ FOR EPC-5 4 REQ'D FOR FPC-1
NO PAINT ~ OIL TMS.

[illegible]

BEARING MATERIAL TO BE ASTM A36
ANCHOR BOLTS TO BE A7, A36 OR A307

SHOP CONNECTIONS: *WELDED*

FIELD CONNECTIONS:

HOLES: AS NOTED

PAINT: RED LEAD PER MAINE S.H.C SPEC.

SOLE PLATES "SP" FIELD WELDED TO STRINGERS

BEARING DETAILS

Bancroft & Martin Inc.
South Portland 7, Maine

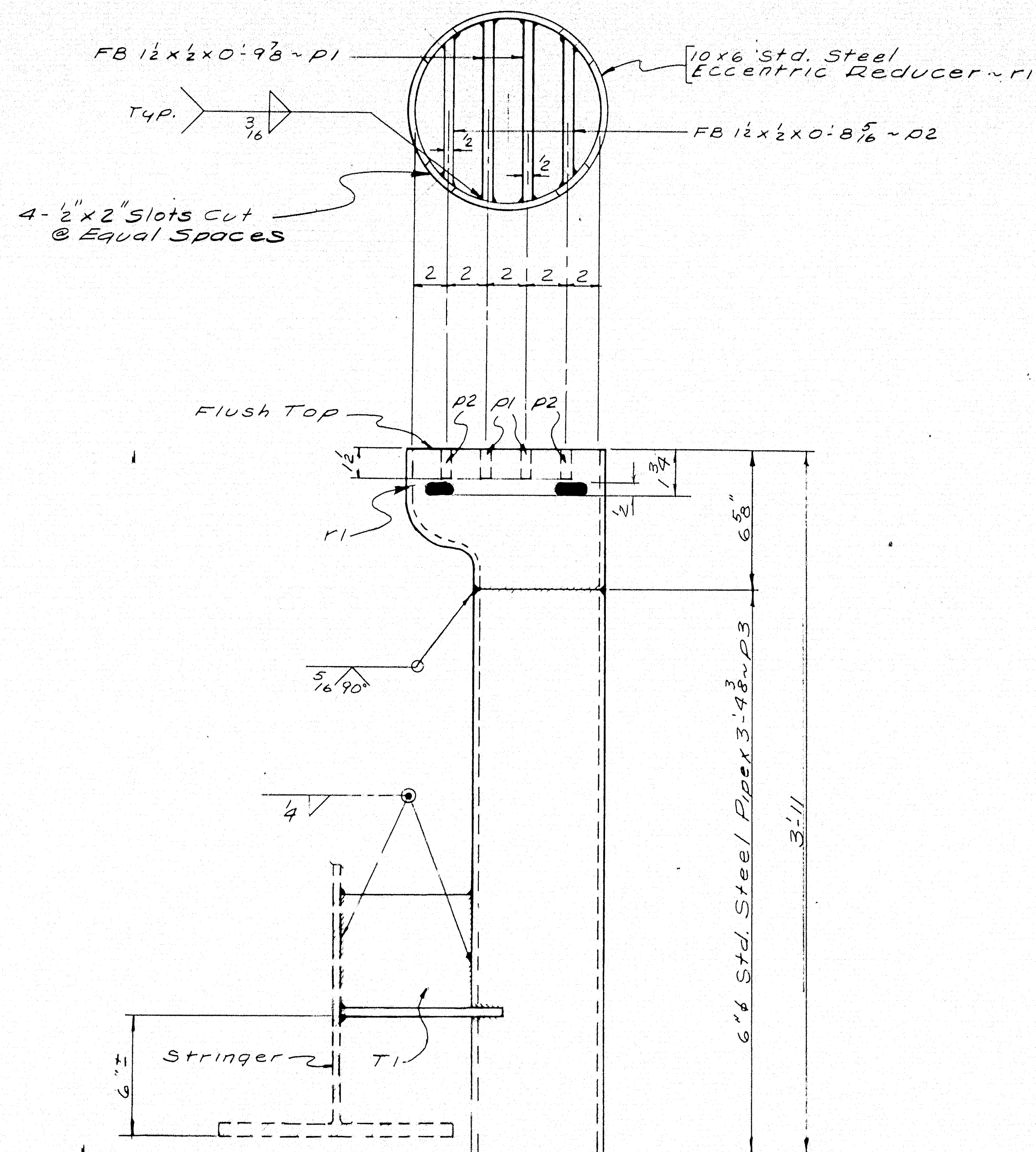
JOHNSON FLAT ROAD
OVER INTERSTATE 95-PITTSFIELD
MAINE

CUSTOMER N.E. JACKSON
DESIGNER Maine State Highway Comm.

ORDER NO. <u>Verbal</u>	DWG. NO. <u>63-216-51</u>
-------------------------	---------------------------

88 92 B

DRAWN	8-6-63	CLE
REVISION		
REVISION	!	
REVISION		



ST 6 WF 13.5 x 0.913 ~ T1
24 REQ'D.

DRAIN DRI ~ 24 REQ'D.

NOTE
SEE STATE'S DWGS. FOR
DRAIN LOCATION

SHIP		BILL OF MATERIAL				DWG. NO. 63-216-S2
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
DR1	24		Shop Assy	—		
T1	24		ST6WF13.5	0 9.13		
		48	P1	FB 1 1/2 x 1/2	0 9 3/8	
		48	P2	do	0 8 7/8	
		24	P3	6" STD PIPE	3 4 3/8	
		24	F1	10 X 6	0 7	Std Steel Eccentric Reducer Req. #1072

SHOP CONNECTIONS: WELDED
FIELD CONNECTIONS: WELDED
HOLES: _____
PAINT: PER ME. STATE SPECS.
RED LEAD OIL & AS NOTED

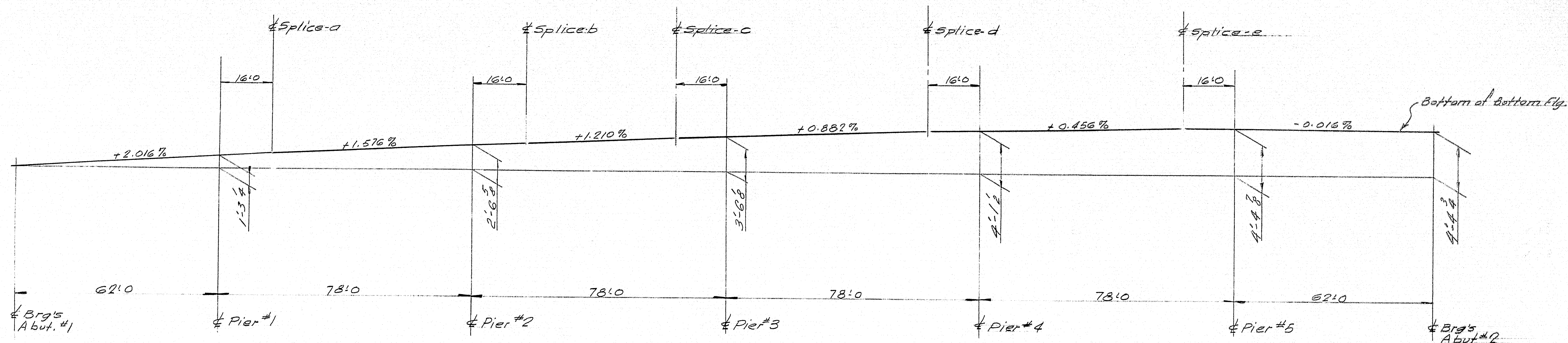
DRAIN DETAILS

Bancroft & Martin Inc.
South Portland 7, Maine

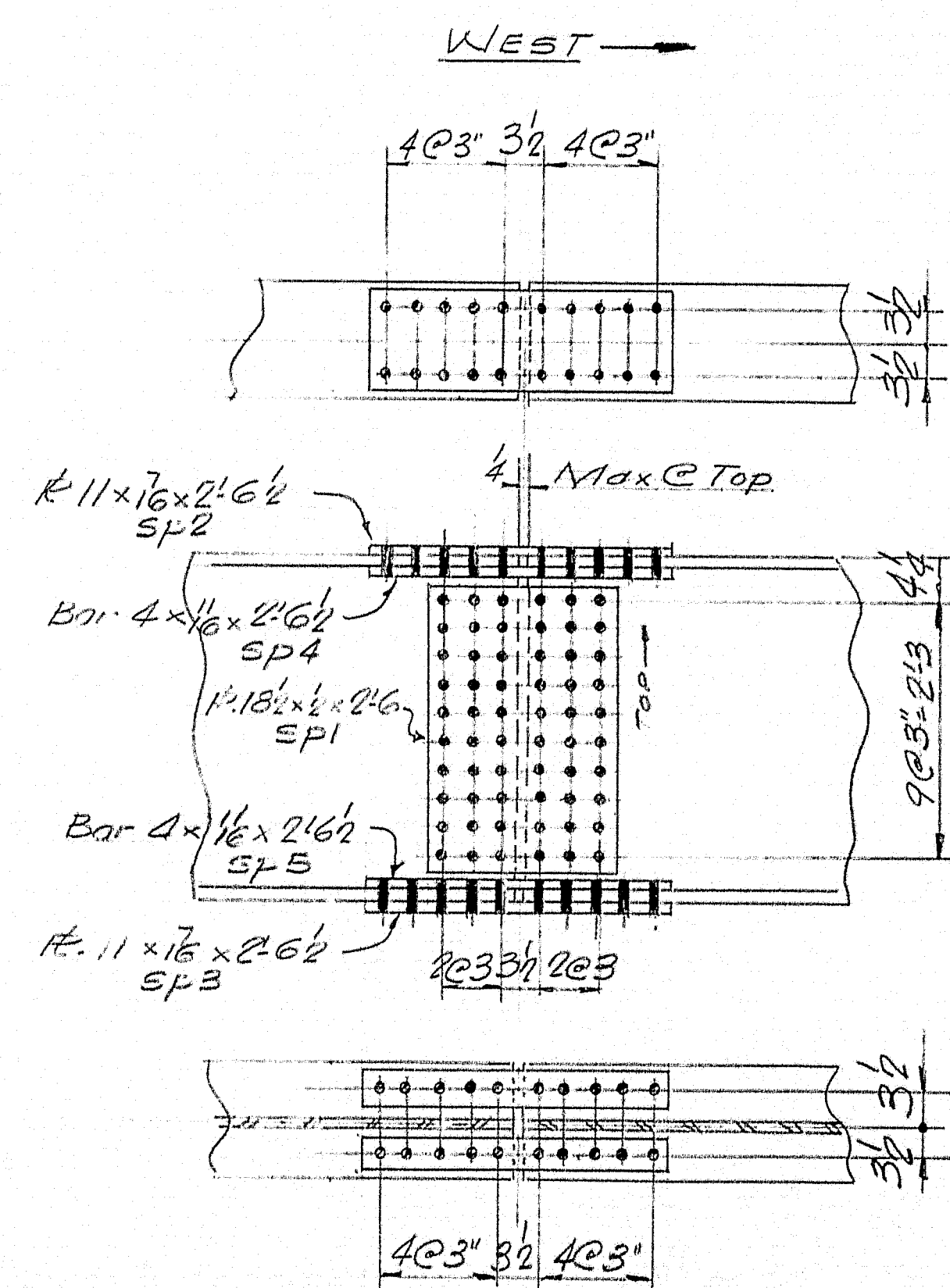
JOHNSON FLAT BRIDGE
OVER I-95
PITTSFIELD, MAINE

CUSTOMER N.E. JACKSON
DESIGNER M.S.H.C.

ORDER NO. VERBAL DWG. NO. 63-216-S2



SHOP LAYOUT



SPLICE DETAIL

After shop assembly of splices, splice plates are to be marked showing what stringers they are to connect.

NOTE

- 1) Holes in field splices of continuous beams are to be sub-punched (or sub-drilled) to $\frac{1}{16}$ " and reamed while assembled in the shop to $\frac{5}{16}$ " ϕ . Connecting parts to be match marked & bolted for shipment.
- 2) Any natural camber to be placed up.

SHOP LAYOUT

Bancroft & Martin Inc.
South Portland 1, Maine

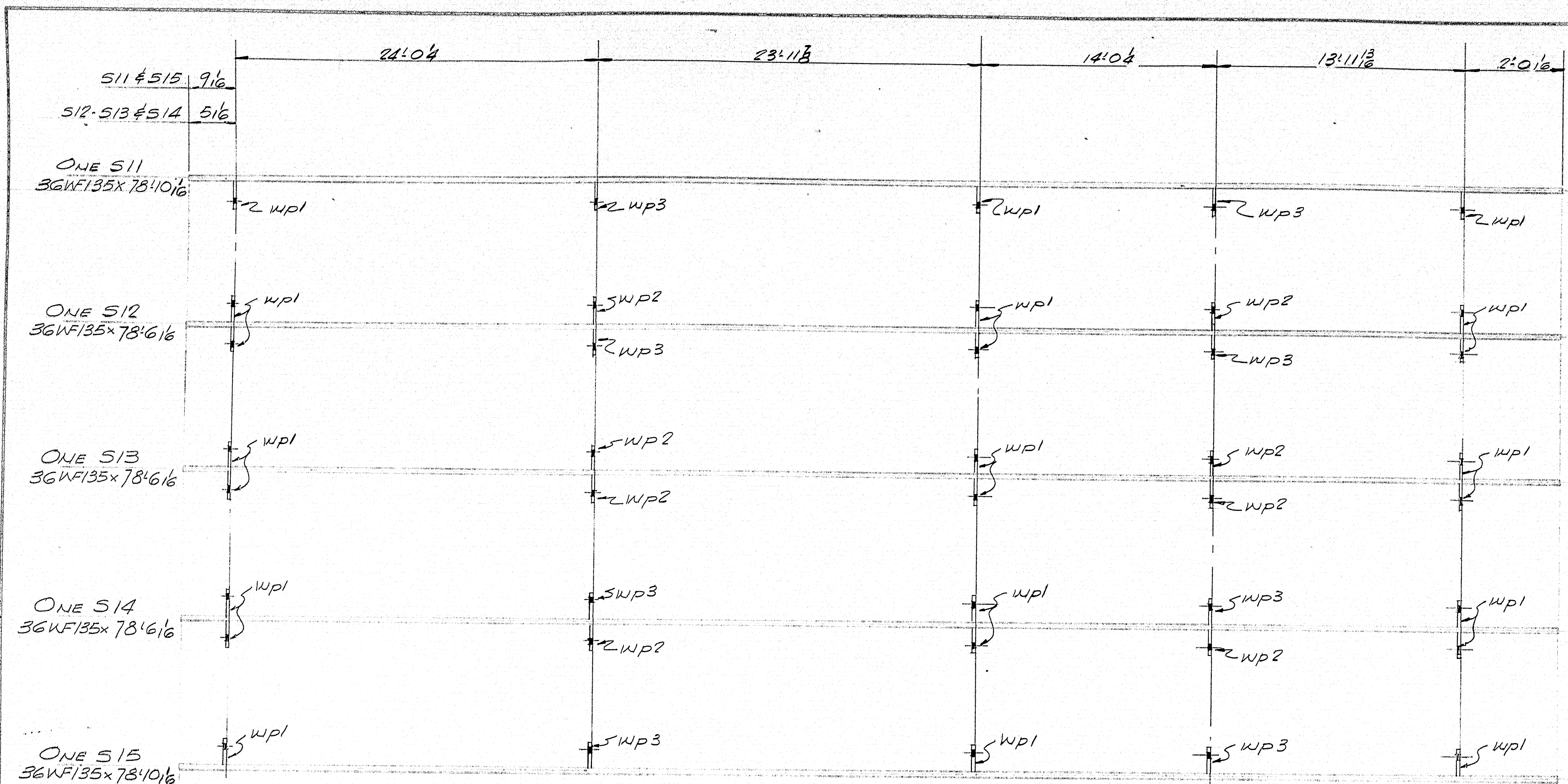
JOHNSON FLAT BRIDGE
PITTSFIELD, MAINE

CUSTOMER N. E. JACKSON
DESIGNER MAINE S. H. C. BRIDGE DIV.

ORDER NO. VERBAL DWG. NO. 63-216-S3

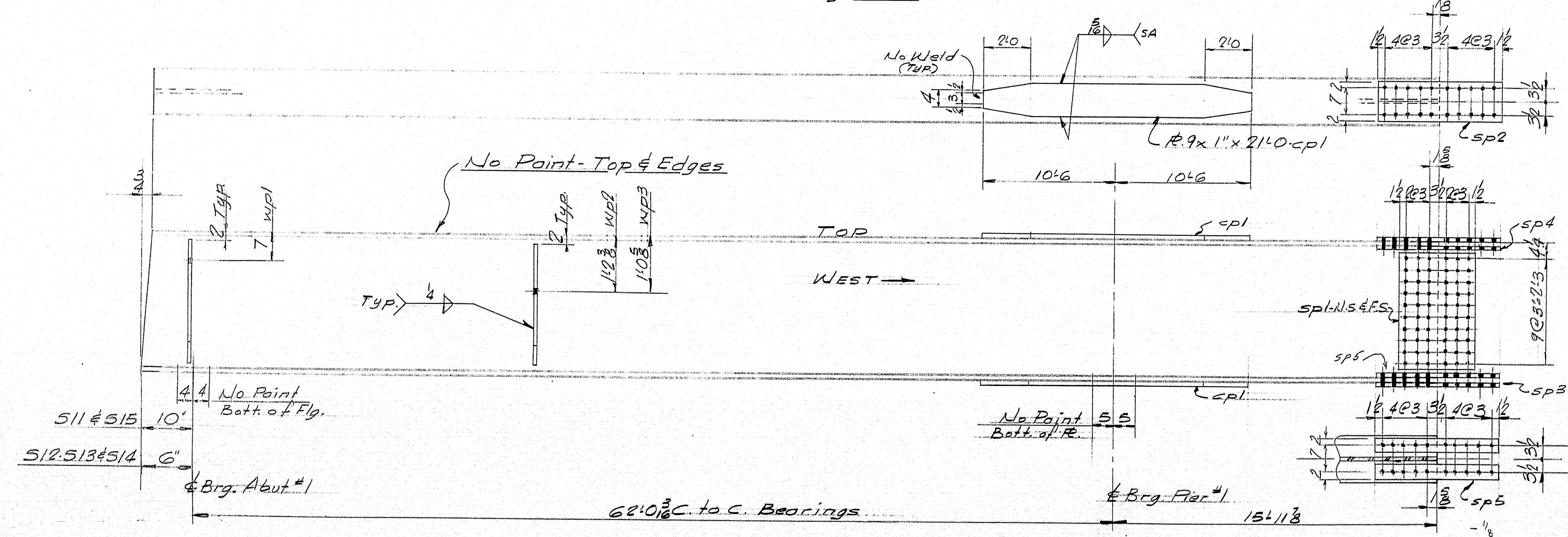
DRAWN	8-19-63	J.P.F.
REVISION		
REVISION		
REVISION		

APPROVED 8-27-63



SPICE NOTE
 HOLES ARE FOR HIGH TENSILE BOLTS
 They are to be free from burrs
 and shall not be painted on any
 surface within 5" of such open
 holes.

Sections taken looking down @ web



SHIP		BILL OF MATERIAL				DWG. NO. 63-216-54
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
S11	1		36WF135	78'10 1/8		AS SHOWN
S12	1			78'6 1/8		
S13	1			78'6 1/8		
S14	1			78'6 1/8		
S15	1		36WF135	78'10 1/8		
	10	CP1	R. 9 x 1"	21'0		
	10	SP1	R. 13 1/2 x 6	2'6		
	5	SP2	R. 11 x 1 1/2	2'6 1/2		
	5	SP3	Do	2'6 1/2		
	10	SP4	Bor 4 x 1 1/2	2'6 1/2		
	10	SP5	Do	2'6 1/2		
	24	WPL	Bor 6 x 3/4	2'7		
	8	WPL	Do	2'7		
	8	WPL	Do	2'7		
BOLTS	1030		3/8 H.T.	0'3 1/2		FLANGE SPLICES
do	1550		do	0'3 1/4		WEB SPLICES
WARRERS	5160		3/8 HARD			
ITEM 702-103						

SHOP CONNECTIONS: Welded
 FIELD CONNECTIONS: Welded & Bolted
 HOLES: 1/8" unless noted
 PAINT: Per State of Maine Specs

APPROVED 5-27-63

STRINGER 5 - SPAN 1

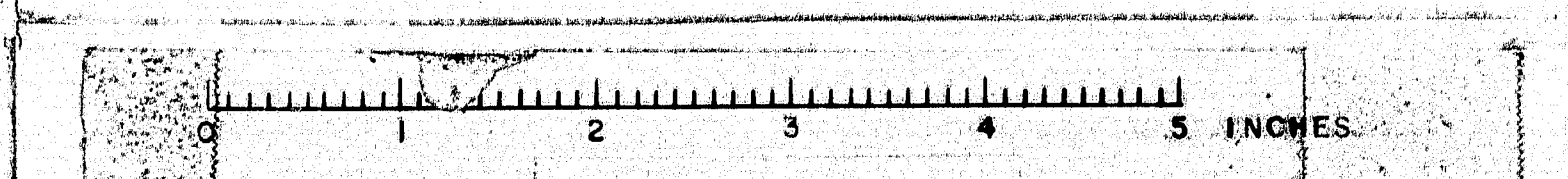
Pennycraft & Martin Inc.
 South Portland, Maine

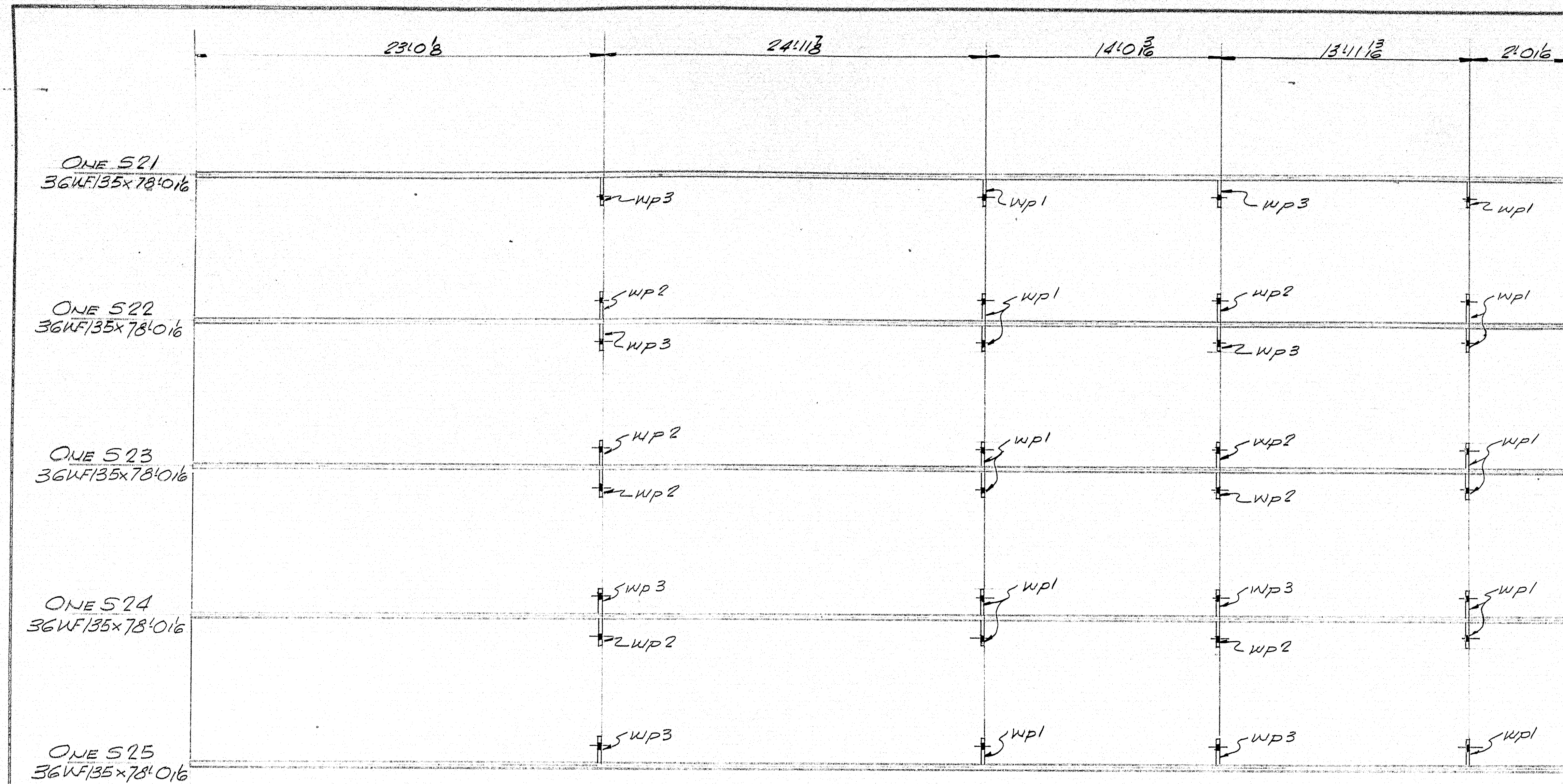
JOHNSON FLAT BRIDGE
 PITTSFIELD, MAINE

CUSTOMER: H. E. JACKSON
 DESIGNER: MAINE S.H.C. BRIDGE DIV.

ORDER NO. VERBAL DWG. NO. 63-216-54

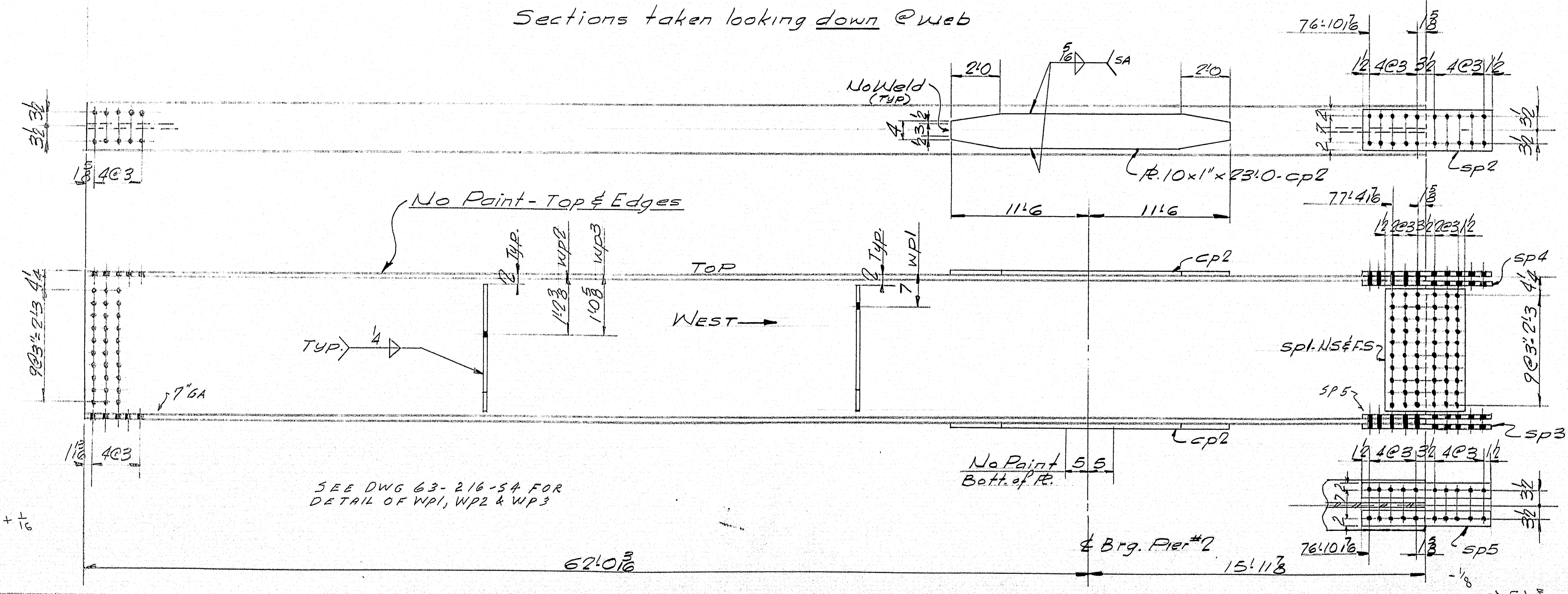
DRAWN	8-13-63 J.P.F.
REVISION	
REVISION	
REVISION	





SPICE NOTE
 HOLES ARE FOR HIGH TENSILE BOLTS
 They are to be free from burrs
 and shall not be painted on any
 surface within 5" of such open
 holes.

Sections taken looking down @ web



SHIP		BILL OF MATERIAL				DWG. NO. 63-216-55
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
S21	1		36WF135	78'0 1/8		
S22	1			78'0 1/8		
S23	1			78'0 1/8		
S24	1			78'0 1/8		
S25	1		36WF135	78'0 1/8		
	10	CP2	R. 10 x 1"	23'0		
	10	SP1	R. 10 x 1"	2'6		
	5	SP2	R. 11 x 1 1/2	2'6 1/2		
	5	SP3	D.O.	2'6 1/2		
	10	SP4	Bar 4 x 1/2	2'6 1/2		
	10	SP5	D.O.	2'6 1/2		
	16	Wp1	Bar 6 x 3/8	2'7		
	8	Wp2	D.O.	2'7		
	8	Wp3	D.O.	2'7		
ITEM 702.103						

SHOP CONNECTIONS: Welded
 FIELD CONNECTIONS: Welded & Bolted
 HOLES: 1/8" unless noted
 PAINT: Per State of Maine Specs

APPROVED 8-27-63

STRINGERS - SPAN 2

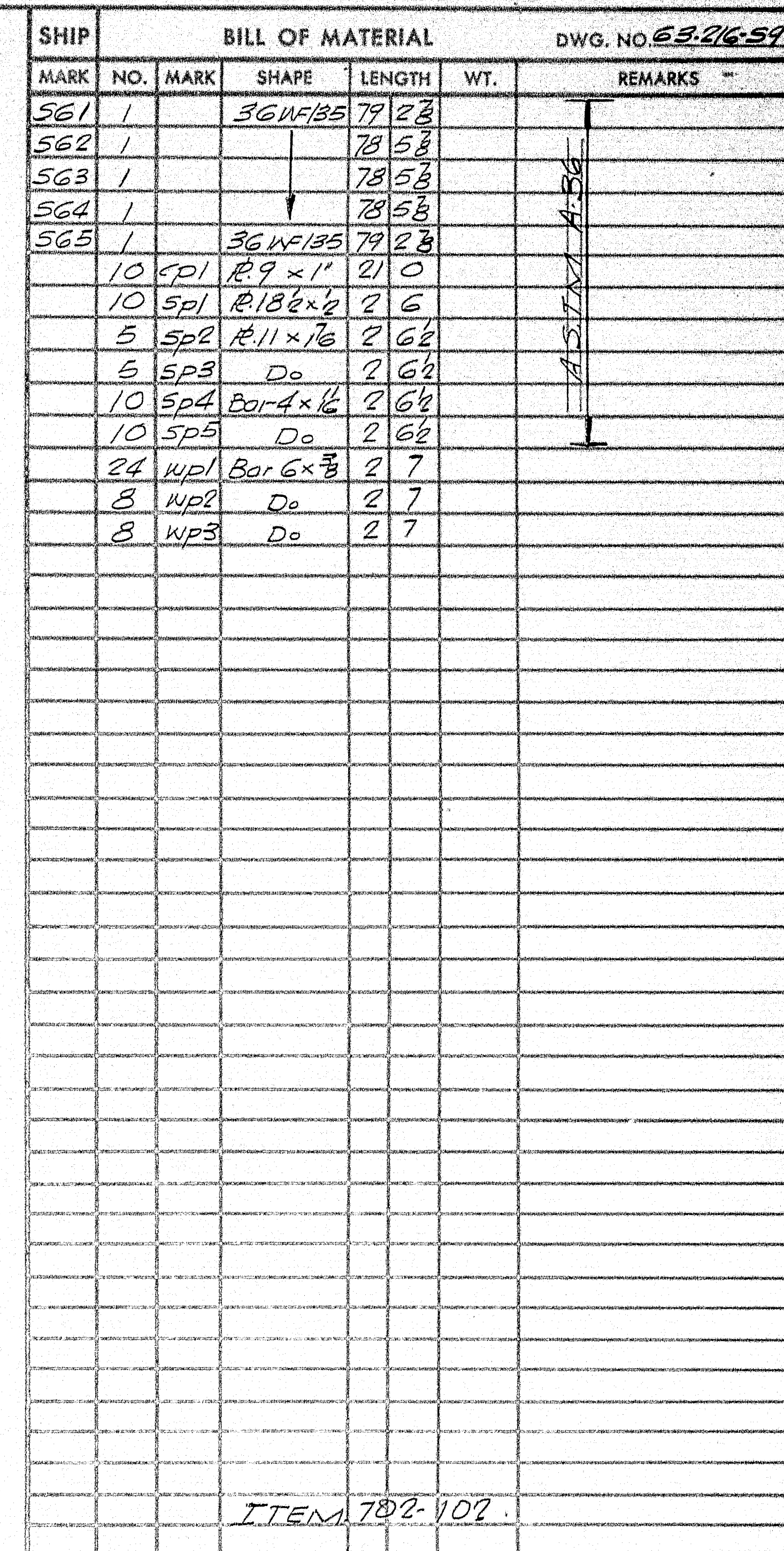
Pancroft & Martin Inc.
 South Portland, Maine

JOHNSON FLAT BRIDGE
 PITTSFIELD, MAINE

CUSTOMER M.E. JACKSON
 DESIGNER MAINE S.H.C. BRIDGE DIV.

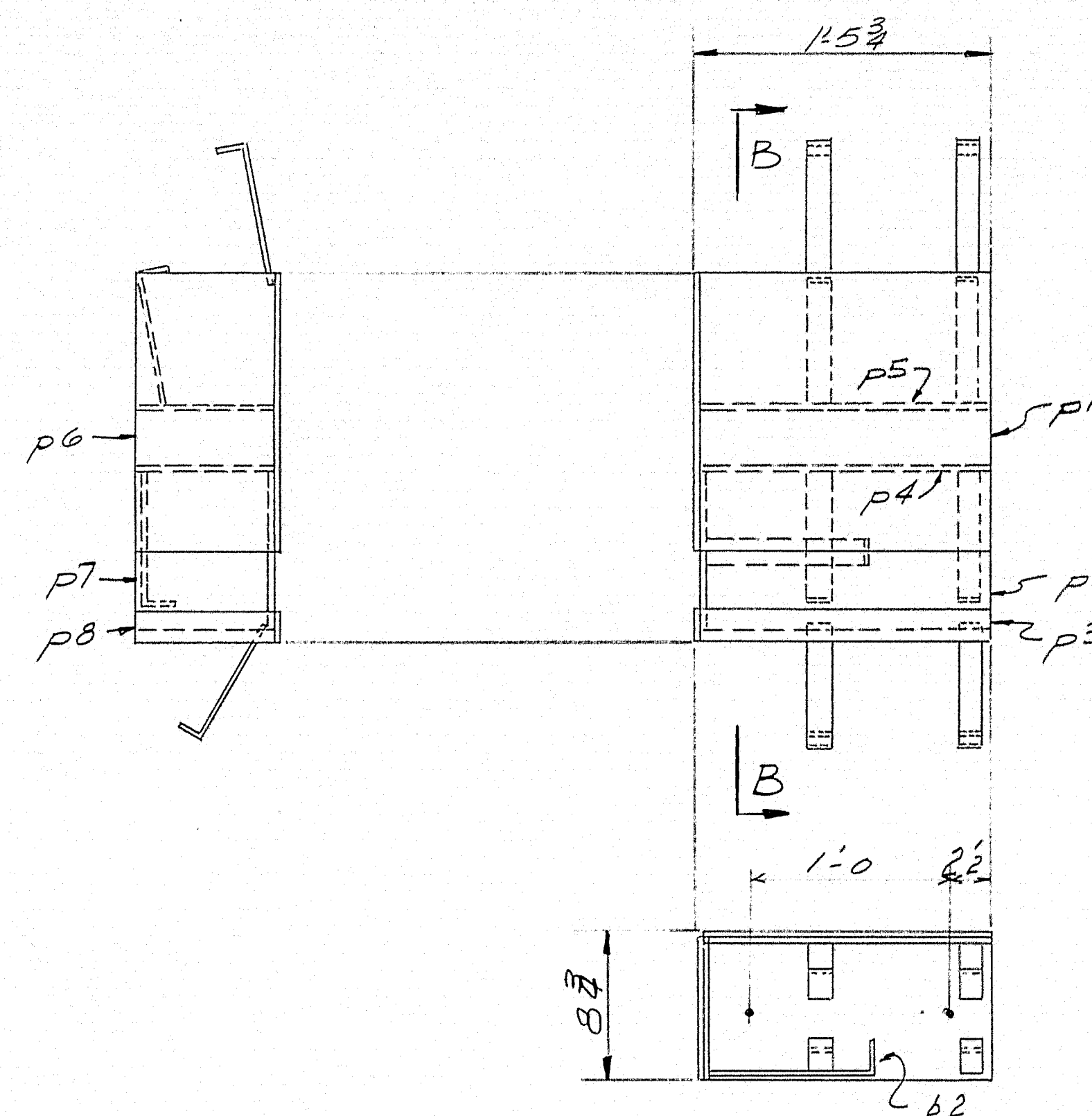
ORDER NO. VERBAL DWG. NO. 63-216-55

DRAWN	8-13-63	J.P.R.
REVISION		
REVISION		
REVISION		

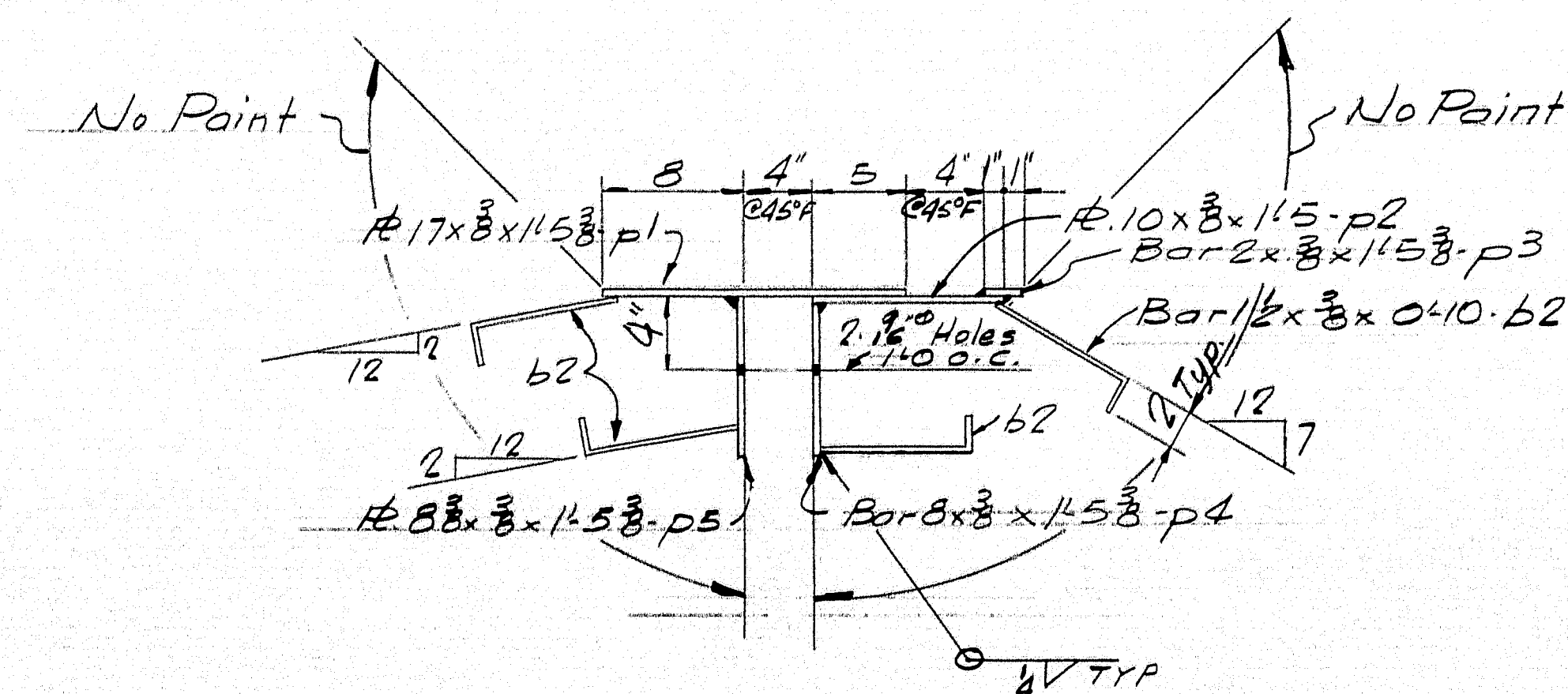


APPROVED 8-27-63

STRINGERS- SPAN 6	
Pinncroft & Martin Inc. South Portland 7, Maine	
JOHNSON FLAT BRIDGE PITTSFIELD, MAINE	
CUSTOMER	N.E. JACKSON
DESIGNER	MAINE S.H.C. BRIDGE DIV.
ORDER NO.	VERBAL
DWG. NO.	63-216-S9



SD2-ONE REQ'D



SECTION B-B

SHOP CONNECTIONS: *Welded*
FIELD CONNECTIONS:
HOLES: *As Noted*
PAINT: *Per State or Maine Specs*
& As Noted

Rancroft & Martin Inc.
South Portland 7, Maine

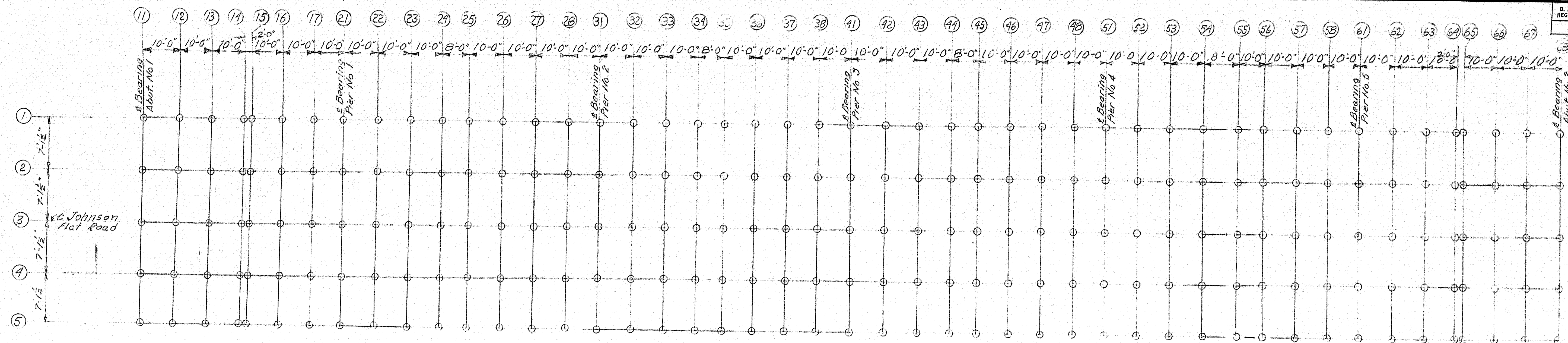
JOHNSON FLAT BRIDGE
PITTSFIELD, MAINE.

CUSTOMER N. E. JACKSON

DESIGNER MAINE S. H. C. BRIDGEDIN

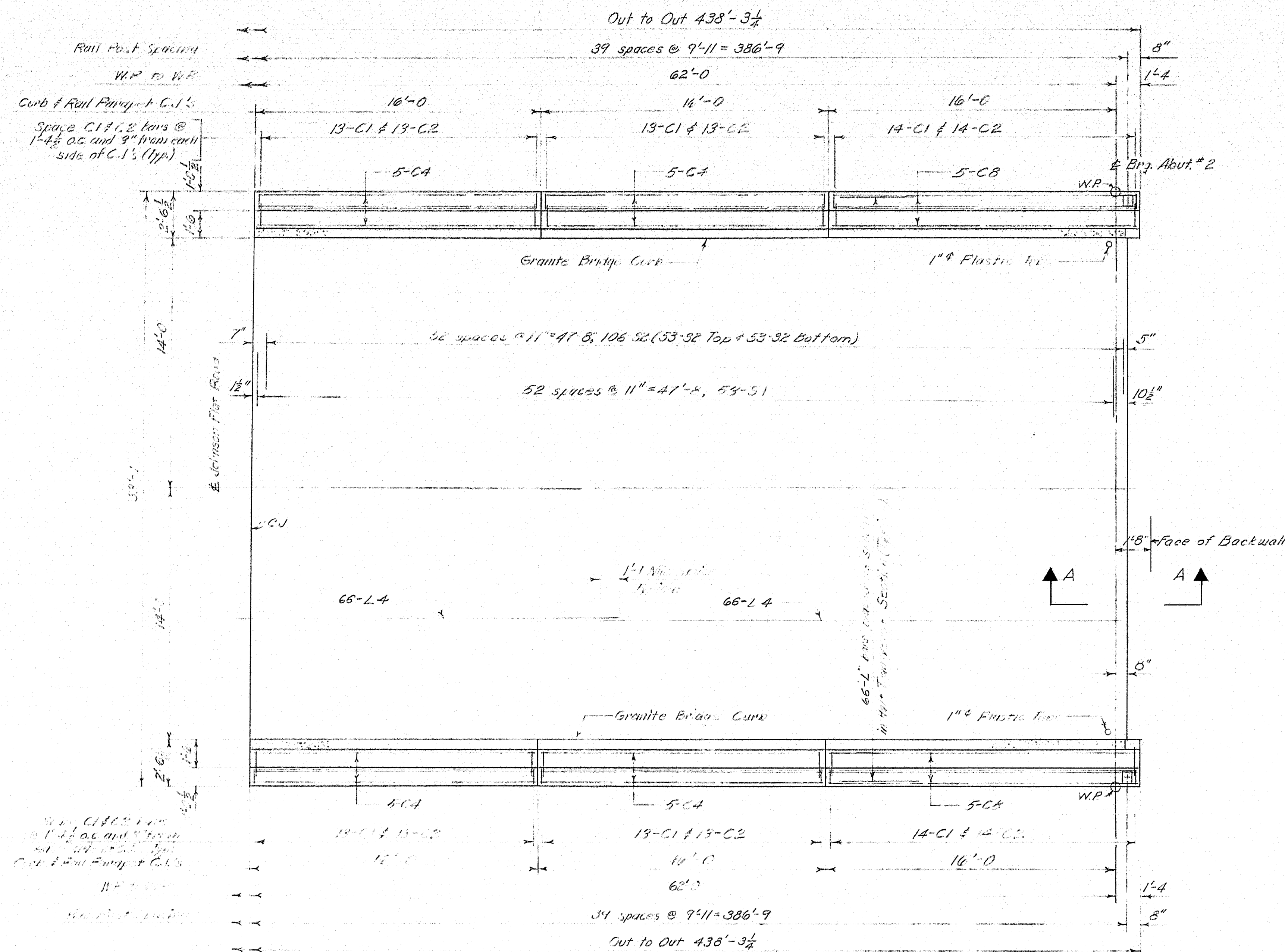
ORDER NO. VERBAL

DWG. NO. G3-216-S12

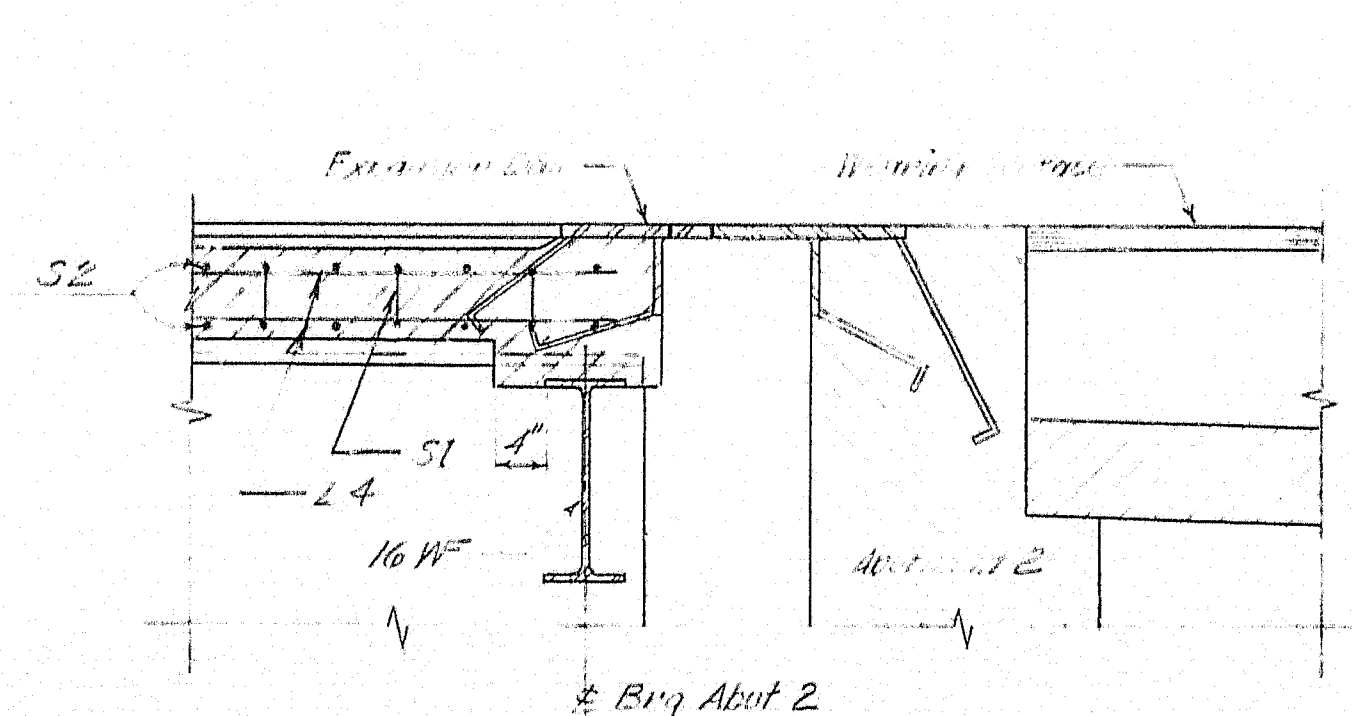


BLOCKING PLAN

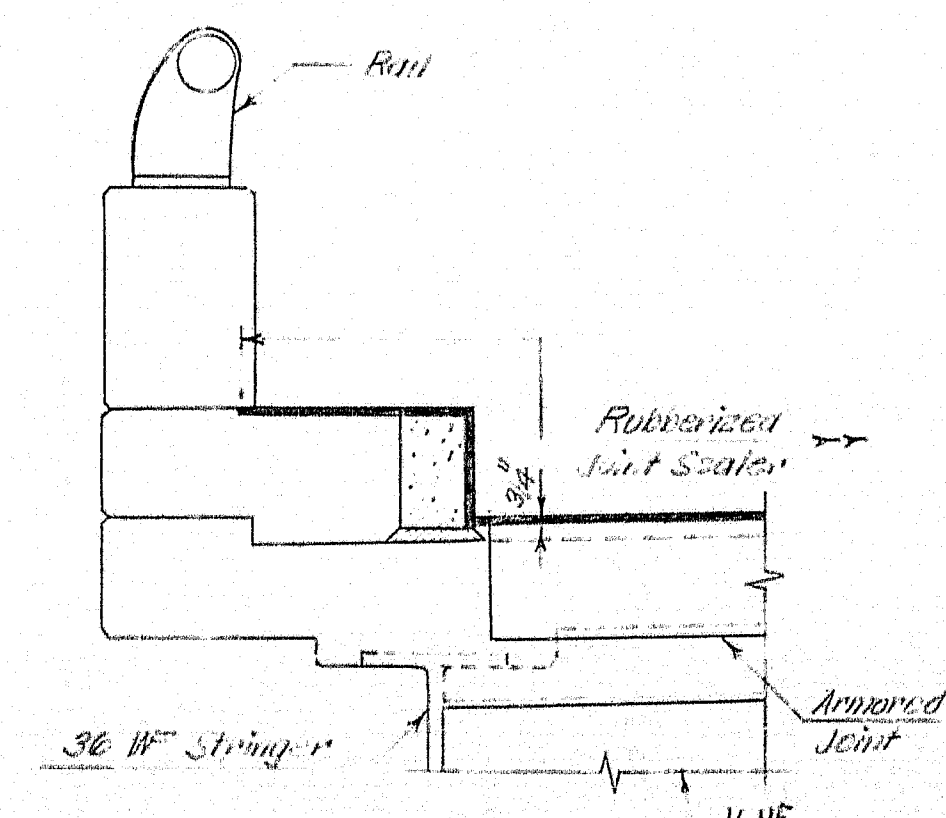
BOTTOM OF SLAB ELEVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
POINT	11	12	13	14	15	16	17	21	22	23	24	25	26	27	28	31	32	33	34	35	36	37	38	41	42	43	44	45	46	47	48	51	52	53	54	55	56	57	58	61	62	63	64	65	66	67	68																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
13.5	222.24	222.18	222.17	222.72	222.96	223.15	223.32	223.50	223.69	223.90	224.09	224.22	224.37	224.51	224.65	224.79	224.94	225.10	225.24	225.35	225.46	225.55	225.65	225.74	225.85	225.96	226.06	226.14	226.21	226.26	226.31	226.35	226.42	226.49	226.54	226.59	226.63	226.69	226.71	226.79	226.82	226.83	226.85	226.87	226.88																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
3	222.54	222.13	223.0	223.22	223.26	223.45	223.62	223.80	223.99	224.19	224.39	224.52	224.67	224.81	224.95	225.09	225.24	225.39	225.54	225.64	225.76	225.85	225.94	226.04	226.14	226.25	226.35	226.43	226.50	226.57	226.60	226.66	226.72	226.78	226.84	226.89	226.93	226.97	227.00	227.00	226.97	226.93	226.88																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
23.4	222.39	222.63	222.86	223.07	223.11	223.30	223.47	223.65	223.85	224.04	224.24	224.37	224.52	224.66	224.80	224.94	225.09	225.24	225.39	225.50	225.61	225.70	225.79	225.87	225.94	226.00	226.05	226.10	226.14	226.18	226.22	226.25	226.28	226.31	226.34	226.37	226.40	226.43	226.46	226.49	226.51	226.54	226.57	226.60	226.63	226.66	226.69	226.72	226.75	226.78	226.81	226.84	226.87	226.90	226.93	226.96	226.99	227.02	227.05	227.08	227.11	227.14	227.17	227.20	227.23	227.26	227.29	227.32	227.35	227.38	227.41	227.44	227.47	227.50	227.53	227.56	227.59	227.62	227.65	227.68	227.71	227.74	227.77	227.80	227.83	227.86	227.89	227.92	227.95	227.98	228.01	228.04	228.07	228.10	228.13	228.16	228.19	228.22	228.25	228.28	228.31	228.34	228.37	228.40	228.43	228.46	228.49	228.52	228.55	228.58	228.61	228.64	228.67	228.70	228.73	228.76	228.79	228.82	228.85	228.88	228.91	228.94	228.97	229.00	229.03	229.06	229.09	229.12	229.15	229.18	229.21	229.24	229.27	229.30	229.33	229.36	229.39	229.42	229.45	229.48	229.51	229.54	229.57	229.60	229.63	229.66	229.69	229.72	229.75	229.78	229.81	229.84	229.87	229.90	229.93	229.96	229.99	230.02	230.05	230.08	230.11	230.14	230.17	230.20	230.23	230.26	230.29	230.32	230.35	230.38	230.41	230.44	230.47	230.50	230.53	230.56	230.59	230.62	230.65	230.68	230.71	230.74	230.77	230.80	230.83	230.86	230.89	230.92	230.95	230.98	231.01	231.04	231.07	231.10	231.13	231.16	231.19	231.22	231.25	231.28	231.31	231.34	231.37	231.40	231.43	231.46	231.49	231.52	231.55	231.58	231.61	231.64	231.67	231.70	231.73	231.76	231.79	231.82	231.85	231.88	231.91	231.94	231.97	232.00	232.03	232.06	232.09	232.12	232.15	232.18	232.21	232.24	232.27	232.30	232.33	232.36	232.39	232.42	232.45	232.48	232.51	232.54	232.57	232.60	232.63	232.66	232.69	232.72	232.75	232.78	232.81	232.84	232.87	232.90	232.93	232.96	232.99	233.02	233.05	233.08	233.11	233.14	233.17	233.20	233.23	233.26	233.29	233.32	233.35	233.38	233.41	233.44	233.47	233.50	233.53	233.56	233.59	233.62	233.65	233.68	233.71	233.74	233.77	233.80	233.83	233.86	233.89	233.92	233.95	233.98	234.01	234.04	234.07	234.10	234.13	234.16	234.19	234.22	234.25	234.28	234.31	234.34	234.37	234.40	234.43	234.46	234.49	234.52	234.55	234.58	234.61	234.64	234.67	234.70	234.73	234.76	234.79	234.82	234.85	234.88	234.91	234.94	234.97	235.00	235.03	235.06	235.09	235.12	235.15	235.18	235.21	235.24	235.27	235.30	235.33	235.36	235.39	235.42	235.45	235.48	235.51	235.54	235.57	235.60	235.63	235.66	235.69	235.72	235.75	235.78	235.81	235.84	235.87	235.90	235.93	235.96	235.99	236.02	236.05	236.08	236.11	236.14	236.17	236.20	236.23	236.26	236.29	236.32	236.35	236.38	236.41	236.44	236.47	236.50	236.53	236.56	236.59	236.62	236.65	236.68	236.71	236.74	236.77	236.80	236.83	236.86	236.89	236.92	236.95	236.98	237.01	237.04	237.07	237.10	237.13	237.16	237.19	237.22	237.25	237.28	237.31	237.34	237.37	237.40	237.43	237.46	237.49	237.52	237.55	237.58	237.61	237.64	237.67	237.70	237.73	237.76	237.79	237.82	237.85	237.88	237.91	237.94	237.97	238.00	238.03	238.06	238.09	238.12	238.15	238.18	238.21	238.24	238.27	238.30	238.33	238.36	238.39	238.42	238.45	238.48	238.51	238.54	238.57	238.60	238.63	238.66	238.69	238.72	238.75	238.78	238.81	238.84	238.87	238.90	238.93	238.96	238.99	239.02	239.05	239.08	239.11	239.14	239.17	239.20	239.23	239.26	239.29	239.32	239.35	239.38	239.41	239.44	239.47	239.50	239.53	239.56	239.59	239.62	239.65	239.68	239.71	239.74	239.77	239.80	239.83	239.86	239.89	239.92	239.95	239.98	240.01	240.04	240.07	240.10	240.13	240.16	240.19	240.22	240.25	240.28	240.31	240.34	240.37	240.40	240.43	240.46	240.49	240.52	240.55	240.58	240.61	240.64	240.67	240.70	240.73	240.76	240.79	240.82	240.85	240.88	240.91	240.94	240.97	241.00	241.03	241.06	241.09	241.12	241.15	241.18	241.21	241.24	241.27	241.30	241.33	241.36	241.39	241.42	241.45	241.48	241.51	241.54	241.57	241.60	241.63	241.66	241.69	241.72	241.75	241.78	241.81	241.84	241.87	241.90	241.93	241.96	241.99	242.02	242.05	242.08	242.11	242.14	242.17	242.20	242.23	242.26	242.29	242.32	242.35	242.38	242.41	242.44	242.47	242.50	242.53	242.56	242.59	242.62	242.65	242.68	242.71	242.74	242.77	242.80	242.83	242.86	242.89	242.92	242.95	242.98	243.01	243.04	243.07	243.10	243.13	243.16	243.19	243.22	243.25	243.28	243.31	243.34	243.37	243.40	243.43	243.46	243.49	243.52	243.55	243.58	243.61	243.64	243.67	243.70	243.73	243.76	243.79	243.82	243.85	243.88	243.91	243.94	243.97	244.00	244.03	244.06	244.09	244.12	244.15	244.18	244.21	244.24	244.27	244.30	244.33	244.36	244.39	244.42	244.45	244.48	244.51	244.54	244.57	244.60	244.63	244.66	244.69	244.72	244.75	244.78	244.81	244.84	244.87	244.90	244.93	244.96	244.99	245.02	245.05	245.08	245.11	245.14	245.17	245.20	245.23	245.26	245.29	245.32	245.35	245.38	245.41	245.44	245.47	245.50	245.53	245.56	245.59	245.62	245.65	245.68	245.71	245.74	245.77	245.80	245.83	245.86	245.89	245.92	245.95	245.98	246.01	246.04	246.07	246.10	246.13	246.16	246.19	246.22	246.25	246.28	246.31	246.34	246.37	246.40	246.43	246.46	246.49	246.52	246.55	246.58	246.61	246.64	246.67	246.70	246.73	246.76	246.79	246.82	246.85	246.88	246.91	246.94	246.97	247.00	247.03	247.06	247.09	247.12	247.15	247.18	247.21	247.24	247.27	247.30	247.33	247.36	247.39	247.42	247.45	247.48	247.51	247.54	247.57	247.60	247.63	247.66	247.69	247.72	247.75	247.78	247.81	247.84	247.87	247.90	247.93	247.96	247.99	248.02	248.05	248.08	248.11	248.14	248.17	248.20	248.23	248.26	248.29	248.32	248.35	248.38	248.41	248.44	248.47	248.50	248.53	248.56	248.59	248.62	248.65	248.68	248.71	248.74	248.77	248.80	248.83	248.86	248.89	248.92	248.95	248.98	249.01	249.04	249.07	249.10	249.13	249.16	249.19	249.22	249.25	249.28	249.31	249.34	249.37	249.40	249.43	249.46	249.49	249.52	249.55	249.58	249.61	249.64	249.67	249.70	249.73	249.76	249.79	249.82	249.85	249.88	249.91	249.94	249.97	250.00	250.03	250.06	250.09	250.12	250.15	250.18	250.21	250.24	250.27	250.30	250.33	250.36	250.39	250.42	250.45	250.48	250.51	250.54	250.57	250.60	250.63	250.66	250.69	250.72	250.75	250.78	250.81	250.84	250.87	250.90	250.93	250.96	250.99	251.02	251.05	251.08	251.11	251.14	251.17	251.20	251.23	251.26	251.29	251.32	251.35	251.38	251.41	251.44	251.47	251.50	251.53	251.56	251.59	251.62	251.65	251.68	251.71	251.74	251.77	251.80	251.83	251.86	251.89	251.92	251.95	251.98	252.01	252.04	252.07	252.10	252.13	252.16	252.19	252.22	252.25	252.28	252.31	252.34	252.37	252.40	252.43	252.46	252.49	252.52	252.55	252.58	252.61	252.64	252.67	252.70	252.73	252.76	252.79	252.82	252.85	252.88	252.91	252.94	252.97	253.00	253.03	253.06	253.09	253.12	253.15	253.18	253.21	253.24	253.27	253.30	253.33	253.36	253.39	253.42	253.45	253.48	253.51	253.54	253.57	253.60	253.63	253.66	253.69	253.72	253.75	253.78	253.81	253.84	253.87	253.90	253.93	253.96	253.99	254.02	254.05	254.08	254.11	254.14	254.17	254.20	254.23	254.26	254.29	254.32	254.35	254.38	254.41	254.44	254.47	254.50	254.53	254.56	254.59	254.62	254.65	254.68	254.71	254.74	254.77	254.80	254.83	254.86	254.89	254.92	254.95	254.98	255.01	255.04	255.07	255.10	255.13	255.16	255



PLAN

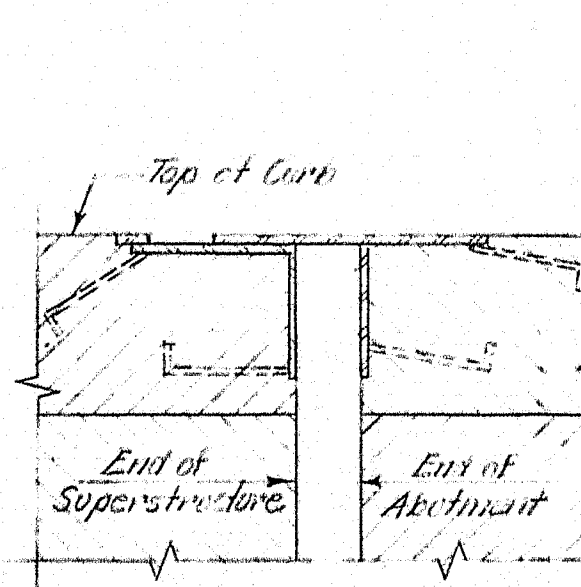


SECTION A-A

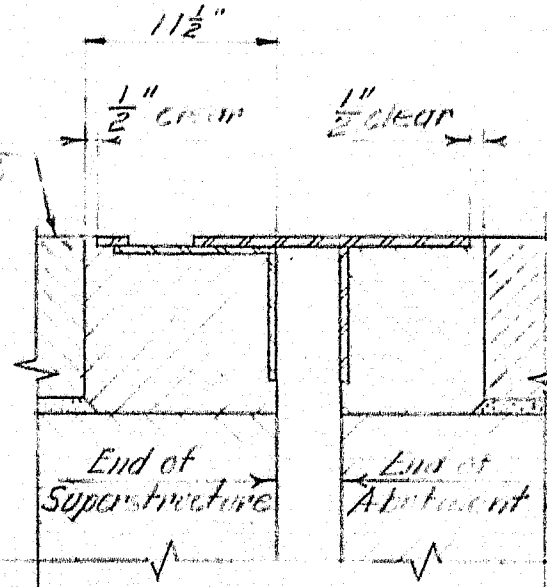


SECTION B-B

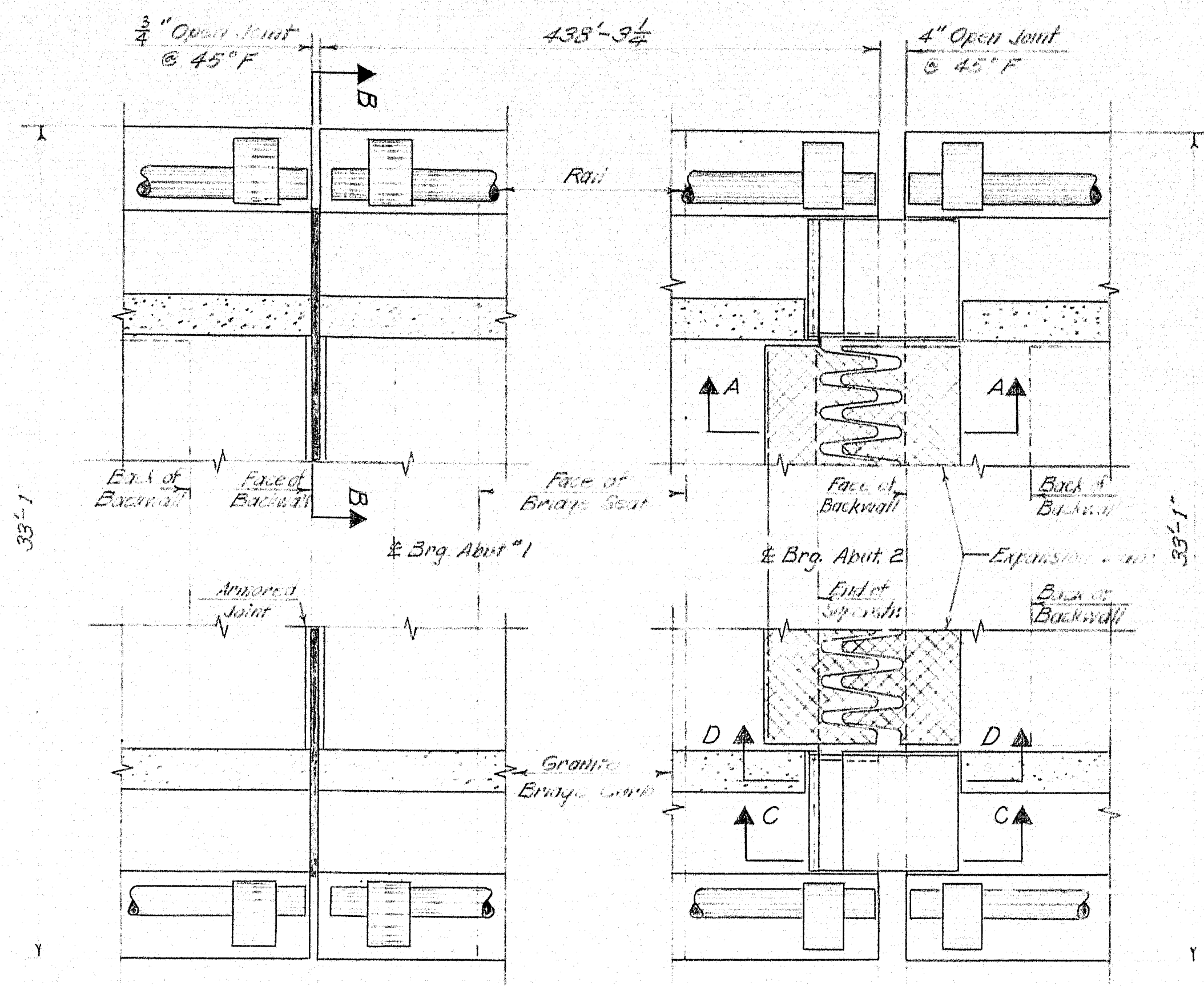
Opening between slab and backwall at Abutment #1 is to be sealed along the top of the safety curb, along the roadway face of the Granite Curb, and along the roadway with Rubberized Joint Sealer. See Armored Joint Detail, Standard Details, Sheet BD-104-62.



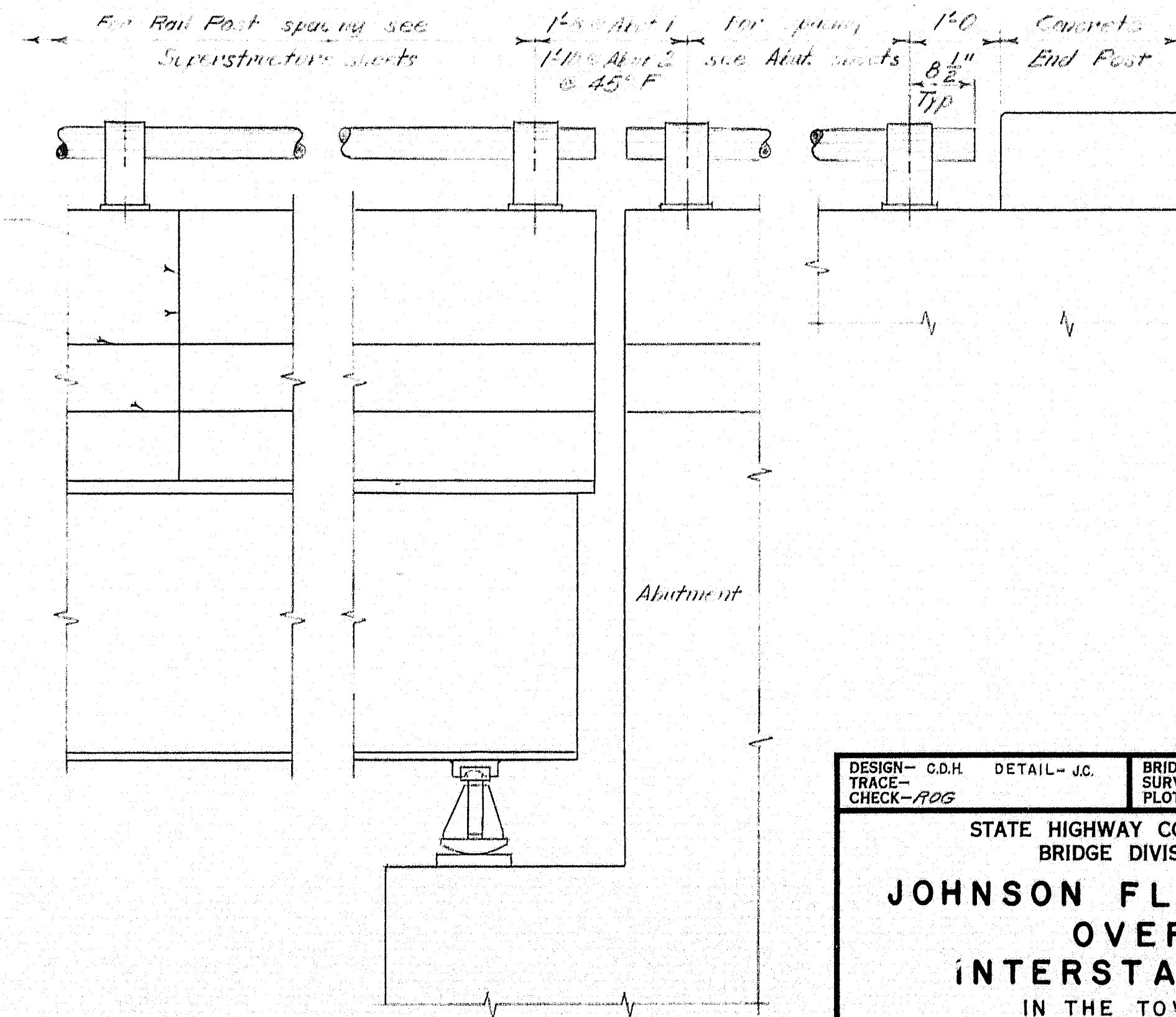
SECTION C-C



SECTION D-D



PLAN OF ENDS OF SUPERSTRUCTURE



ELEVATION OF END OF SUPERSTRUCTURE

DESIGN-CDH
TRACE-CDH
CHECK-RDS

DETAIL-JC

BRIDGE NO.
SURVEY-
PLOT-

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

JOHNSON FLAT ROAD
OVER
INTERSTATE 95
IN THE TOWN OF
PITTSFIELD
SOMERSET COUNTY

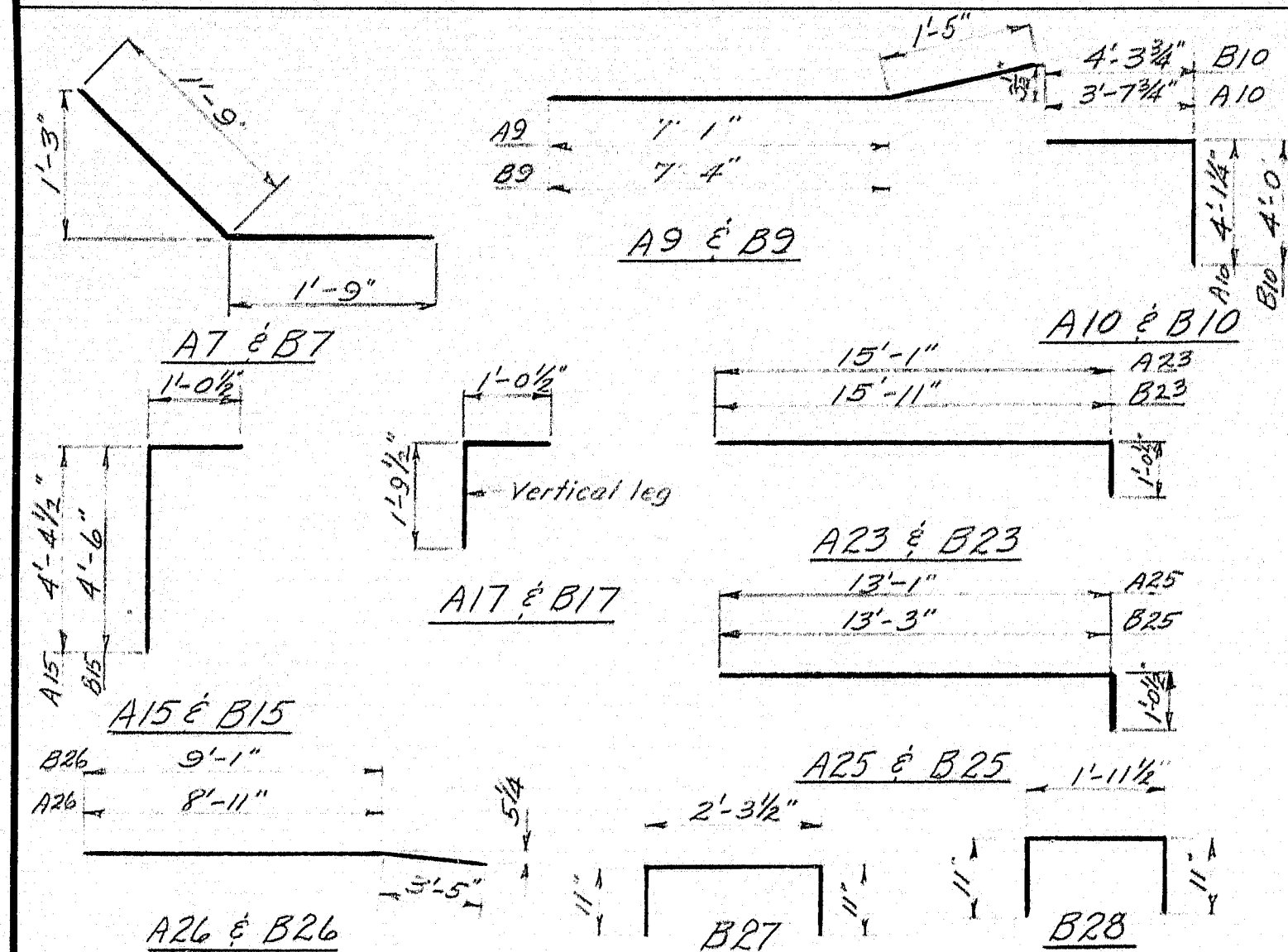
SUPERSTRUCTURE SPAN 6

SHEET 30 OF 35 AUGUSTA, MAINE APRIL 1963

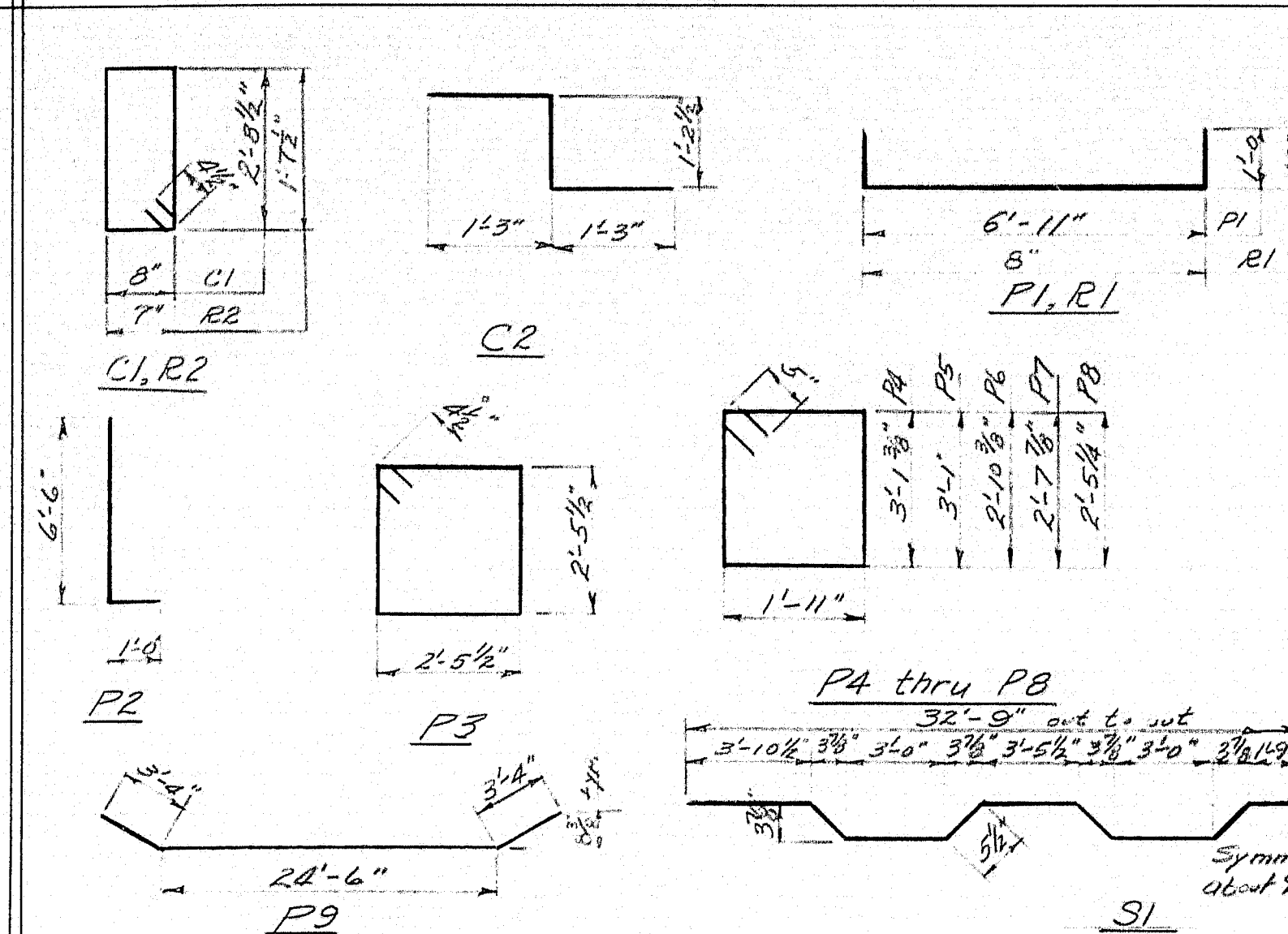
REINFORCING STEEL SCHEDULE

B. P. D. REG. NO. STATE PROJECT NUMBER SHEET NO. TOTAL SHEETS
1 MAINE I-95-742 31 35

BENT BARS



BENT BARS



STRAIGHT BARS

MARK	SIZE	NO.	LENGTH	LOCATION
A1	#5	3	33'-7"	Abutment No. 1 - Footing
A2	#7	6	14'-6"	do
A5	#4	20	26'-8"	Abutment No. 1 - Approach Slab
A6	#6	108	14'-8"	do
A8	#5	24	2'-8"	- Footing
A11	#5	22	4'-5"	- Backwall
A12	#5	18	4'-8"	do
A13	#5	38	7'-10"	- Wing
A16	#5	20	4'-3"	- Wing
A18	#5	2	3'-2"	- Breastwall
A19	#5	22	2'-2"	do
A20	#5	4	32'-9"	do
A21	#4	12	32'-9"	do
A24	#5	32	13'-3"	- Wing
B1	#5	2	3'-7"	Abutment #2 - Footing
B2	#7	6	14'-6"	do
B5	#4	20	26'-8"	- Approach Slab
B6	#6	108	14'-8"	do
B8	#5	24	2'-8"	- Footing
B11	#5	22	4'-6"	- Backwall
B12	#5	18	4'-10"	- Backwall
B13	#5	38	5'-1"	- Wing
B16	#5	20	4'-3"	Wing
B18	#5	2	3'-4"	Breastwall
B19	#5	22	2'-2"	do
B20	#5	4	32'-9"	do
B21	#4	12	32'-9"	- Breastwall & Backwall
B24	#5	32	13'-3"	- Wing

STRAIGHT BARS

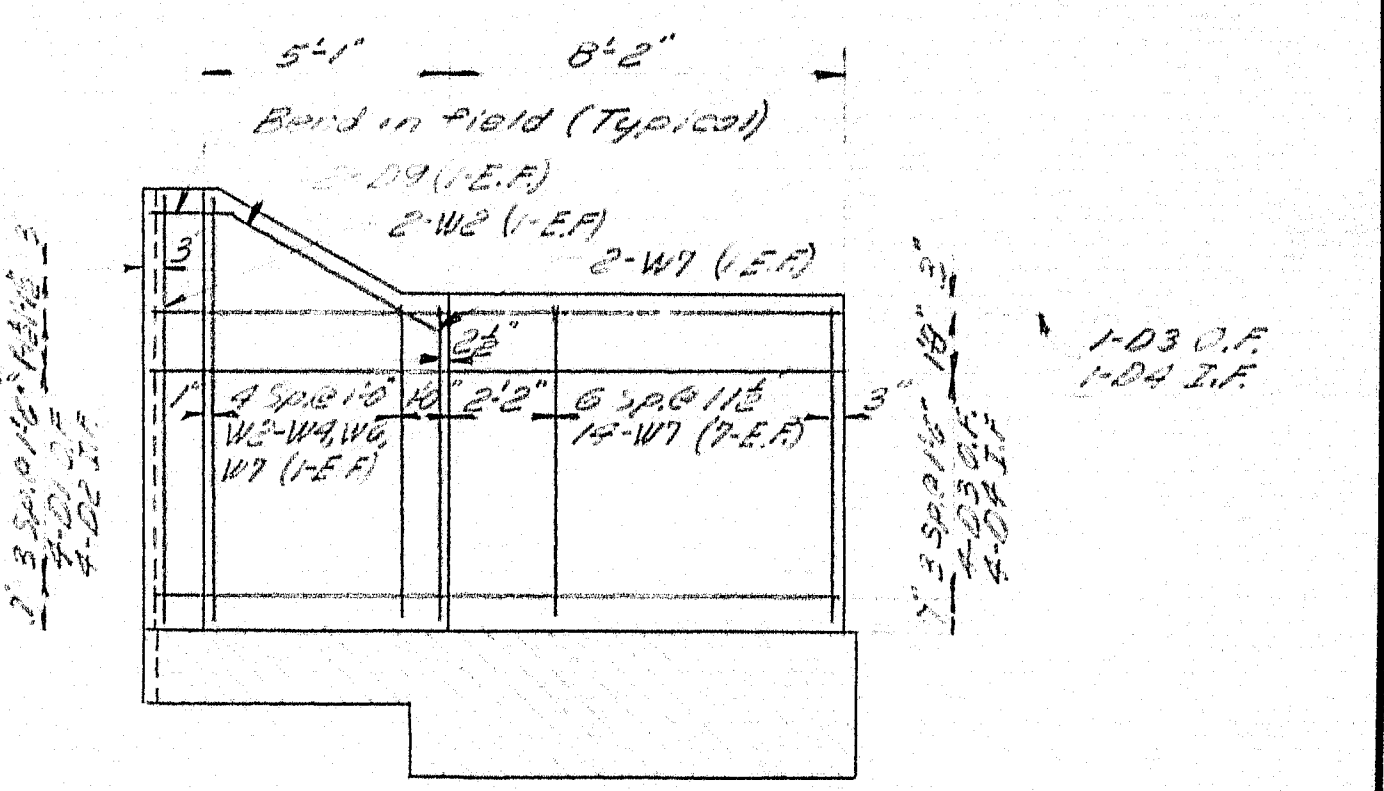
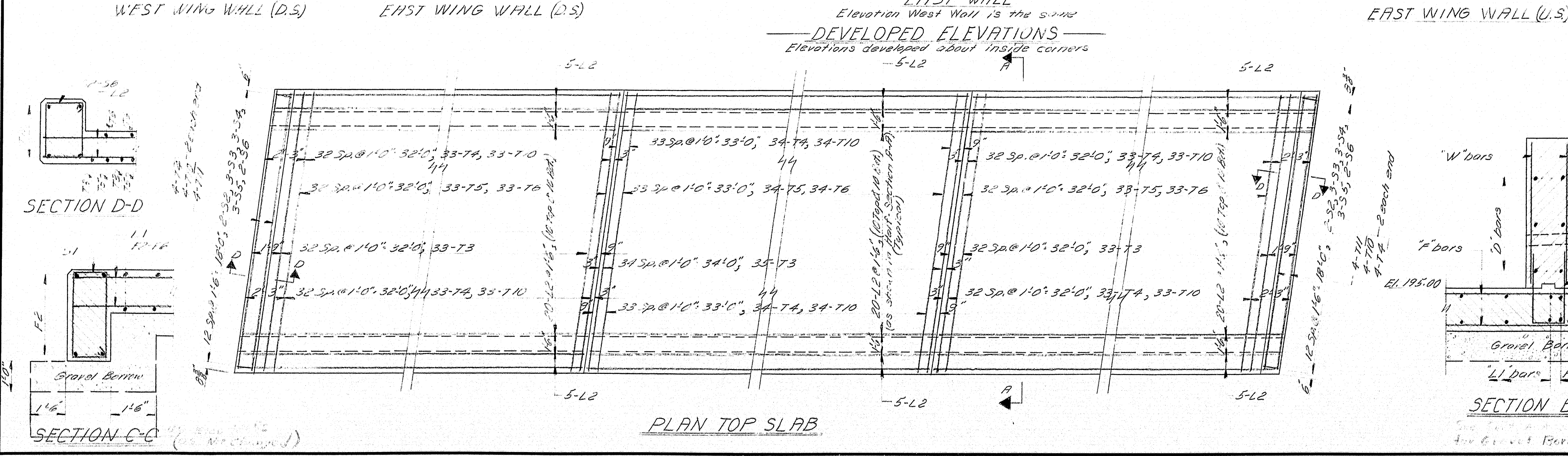
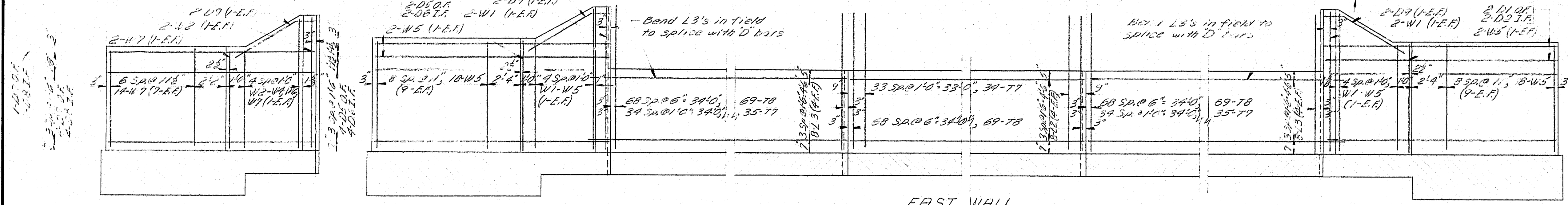
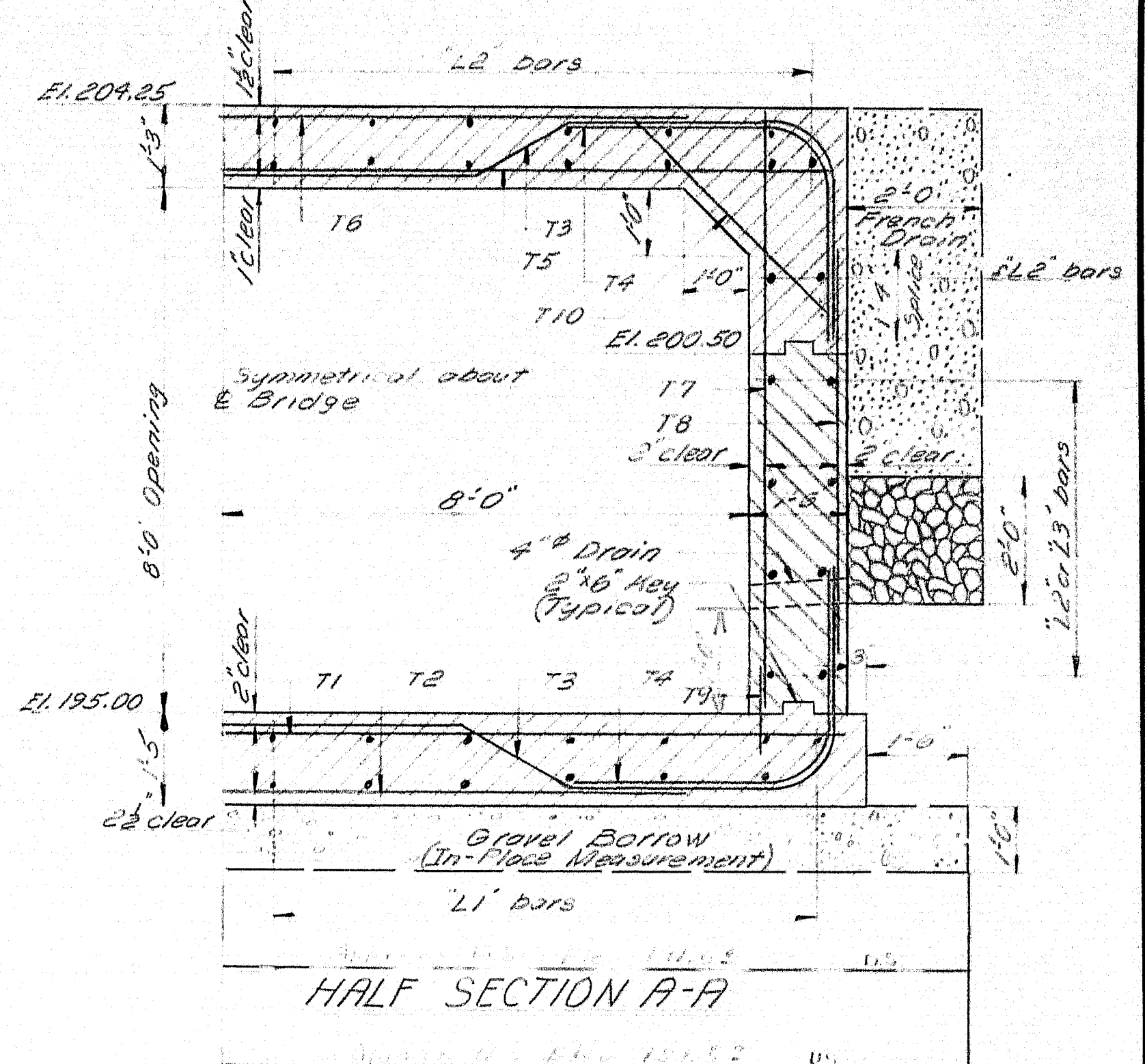
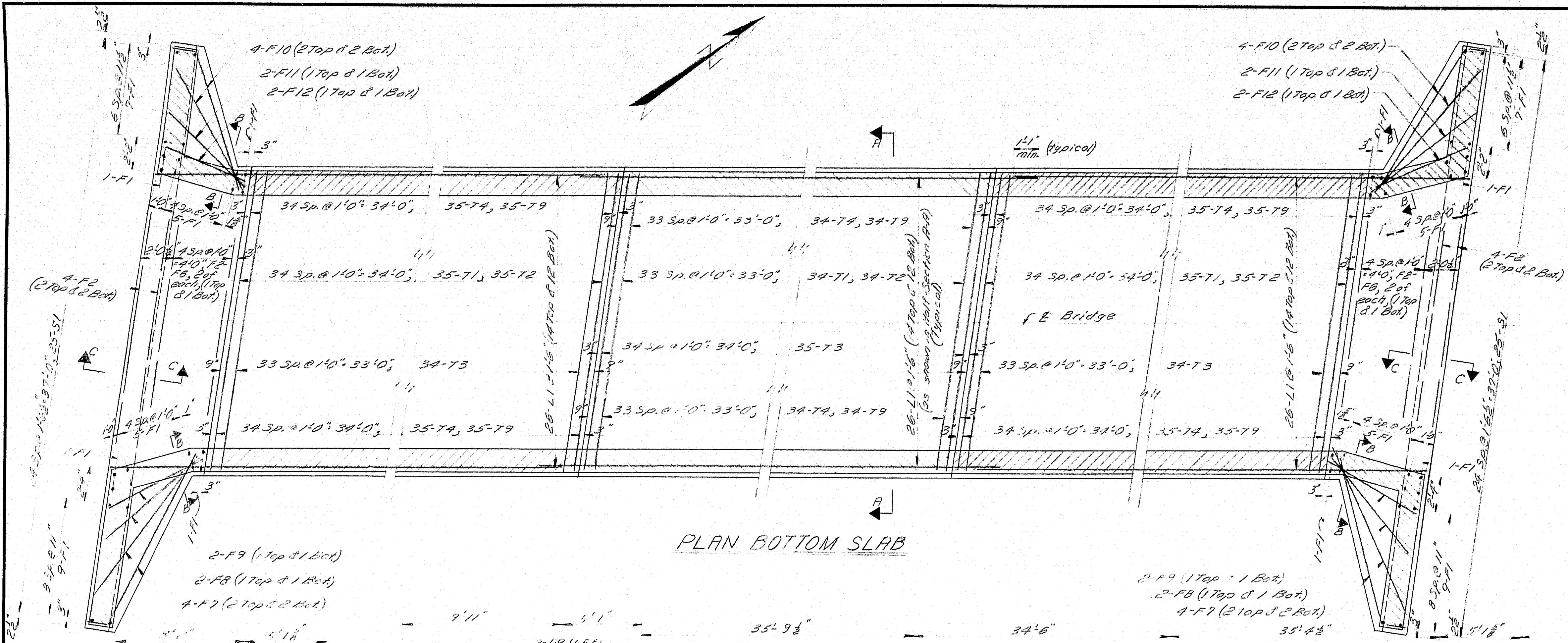
MARK	SIZE	NO.	LENGTH	LOCATION
C3	#4	10	16'-7"	Superstructure - Curb
C4		40	15'-8"	
C5		100	13'-8"	
C6		80	15'-5"	
C7		40	18'-2"	
C8		10	17'-0"	
L1	#5	32	25'-7"	Superstructure - Slab
L2		330	27'-10"	
L3		528	26'-9"	
L4		132	25'-4"	
L5		52	21'-1"	
L6		78	23'-6"	
P10	#6	20	31'-2"	Pier Caps
P11	#9	30	31'-2"	
P12	#10	40	9'-0"	
P13	#9	36	21'-8"	Pier Columns
P14		36	25'-11"	Pier #1
P15		36	22'-11"	Pier #3
P16		36	25'-6"	Pier #4
P17		36	23'-9"	Pier #5
S2	#5	964	32'-9"	Superstructure - Slab

MARK	SIZE	NO.	LENGTH	LOCATION
A7	#6	18	3'-6"	Abutment #1 - Backwall
A9	#5	18	8'-6"	do
A10	#5	22	7'-9"	- Breastwall
A15	#5	18	5'-5"	- Wing
A17	#5	18	2'-10"	- Wing - Curb
A23	#5	8	16'-2"	- Wing
A25	#5	6	14'-2"	do
A26	#4	2	12'-4"	- Wing - Curb
B7	#6	18	3'-6"	Abutment #2 - Backwall
B9	#5	18	8'-2"	do
B10	#5	22	8'-4"	- Breastwall
B15	#5	18	5'-7"	- Wing
B17	#5	18	2'-10"	- Wing - Curb
B23	#5	8	17'-0"	- Wing
B25	#5	6	14'-4"	do
B26	#4	2	12'-6"	- Wing - Curb
B27	#4	10	4'-2"	- Bearing Pad
B28	#4	10	3'-10"	do
C1	#4	682	7'-6"	Superstructure - Piercap
C2	#4	682	3'-9"	" - Curb
F1	#6	240	8'-11"	Piers - Footings
F2	#9	180	1'-6"	do
P3	#4	330	10'-7"	Piers - Column Ties
P4	#5	220	10'-11"	Pier Caps - Slab
P5		20	10'-10"	
P6		20	10'-5"	
P7		20	10'-0"	
P8		20	9'-7"	
P9	#9	30	31'-2"	Pier Caps
S1	#5	472	33'-10"	Superstructure - Slab
E1	#4	8	4'-2"	Concrete End Posts - Abutments
R2	#4	4	5'-2"	do

NOTES

1. All bars shall be Intermediate Grade Steel.
2. All dimensions are to the center-line of bars.

DESIGN - C.D.H.
TRACE - P.L.A.
CHECK - R.D.S., T.Y.M., A.H.R.
BRIDGE NO. SURVEY - PLOT -
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
JOHNSON FLAT ROAD
OVER
INTERSTATE 95
IN THE TOWN OF
PITTSFIELD
SOMERSET COUNTY
REINFORCING STEEL SCHEDULE
SHEET 31 OF 35 AUGUSTA, MAINE APRIL, 1963



- NOTES**
1. 4" Drain in center of deck, 1'0" from curb and 1'0" from centerline. To be determined on final plan.
 2. 2" curb for reinforcing steel, 2'0" from deck edge as noted.
 3. Top of top slab, Bot. bottom of slab, E.A. = earth side face, W.A. = water side face, D.S. = down-stream.

DESIGN - L.L.R.	BRIDGE NO. SURVEY - PLOT -
TRACE - G.M.M.	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
JOHNSON FLAT ROAD OVER INTERSTATE 95 IN THE TOWN OF PITTSFIELD SOMERSET COUNTY	
BOX CULVERT - REINFORCING	
SHEET 34 OF 35 AUGUSTA, MAINE APRIL 1963	

