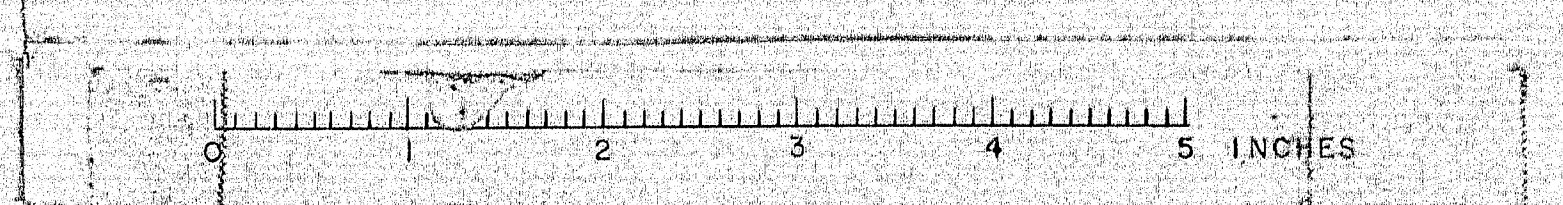


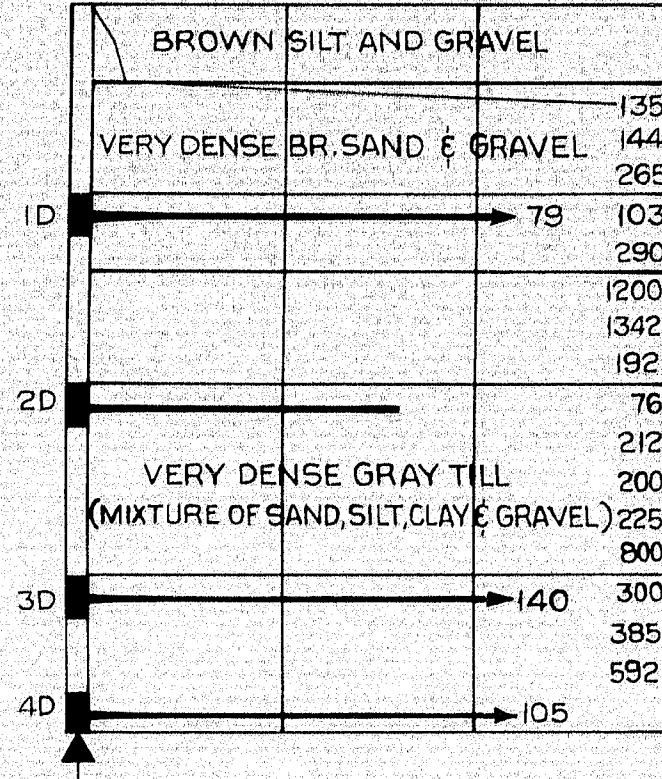
PROFILES
 SCALES: HORIZ. 1"=50' VERT. 1"=10'

STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
INTERSTATE 95
 OVER
PENOBSCOT RIVER
 IN THE TOWN OF
MEDWAY
PENOBSCOT COUNTY
 FOUNDATION SURVEY
 SHEET 66 OF 93 AUGUSTA, MAINE OCTOBER 1964

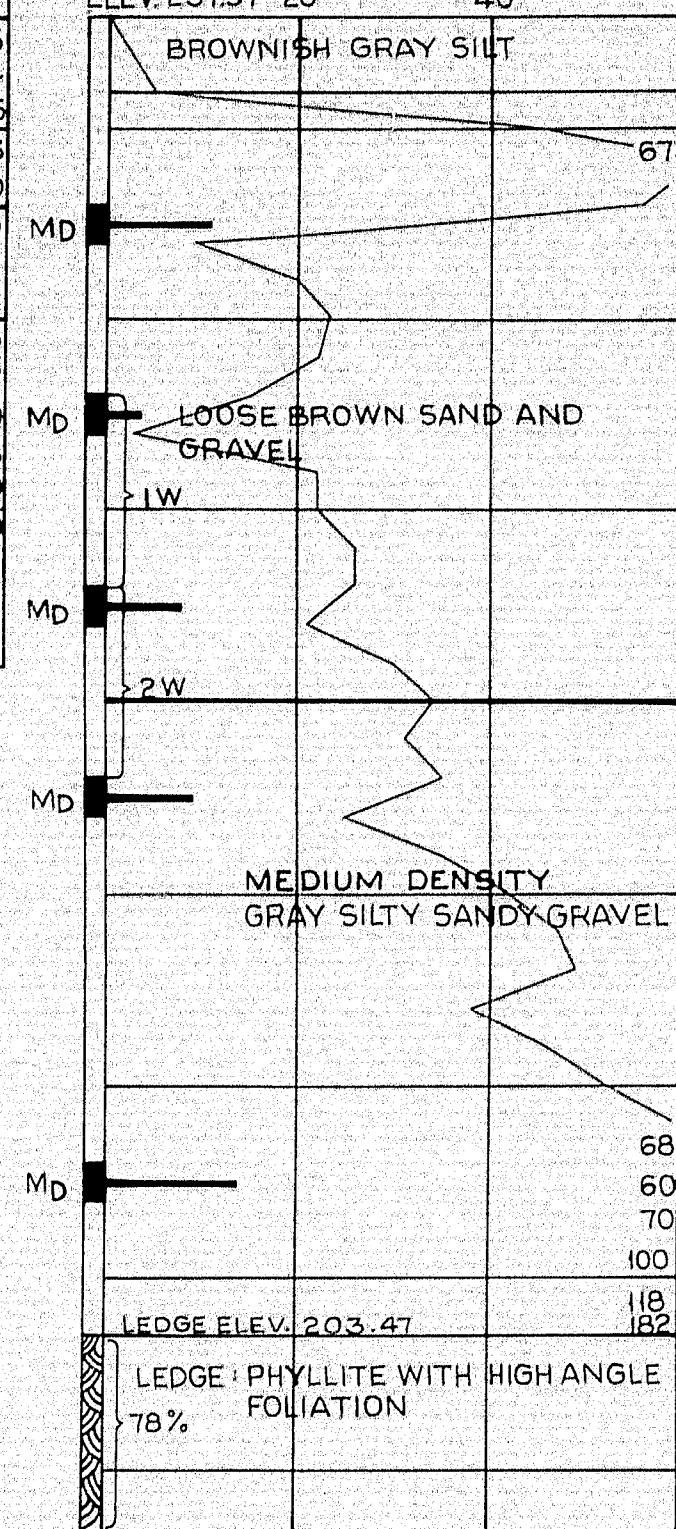
99-71



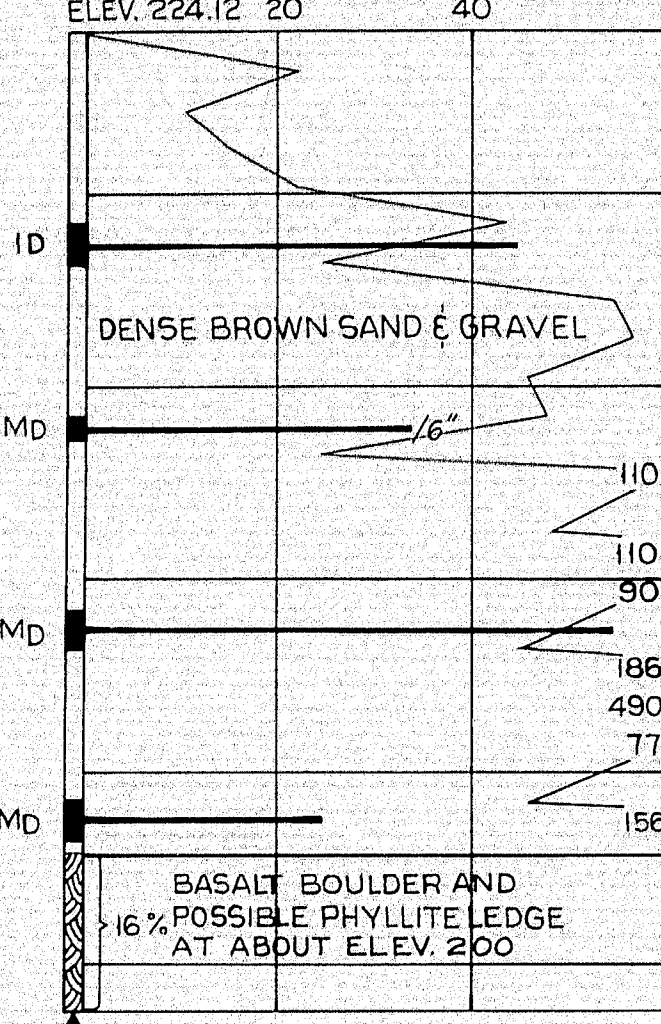
AC-91 ABUT. NO. 1
STA. 3335+50 & S.B.
ELEV. 239.88 20 40



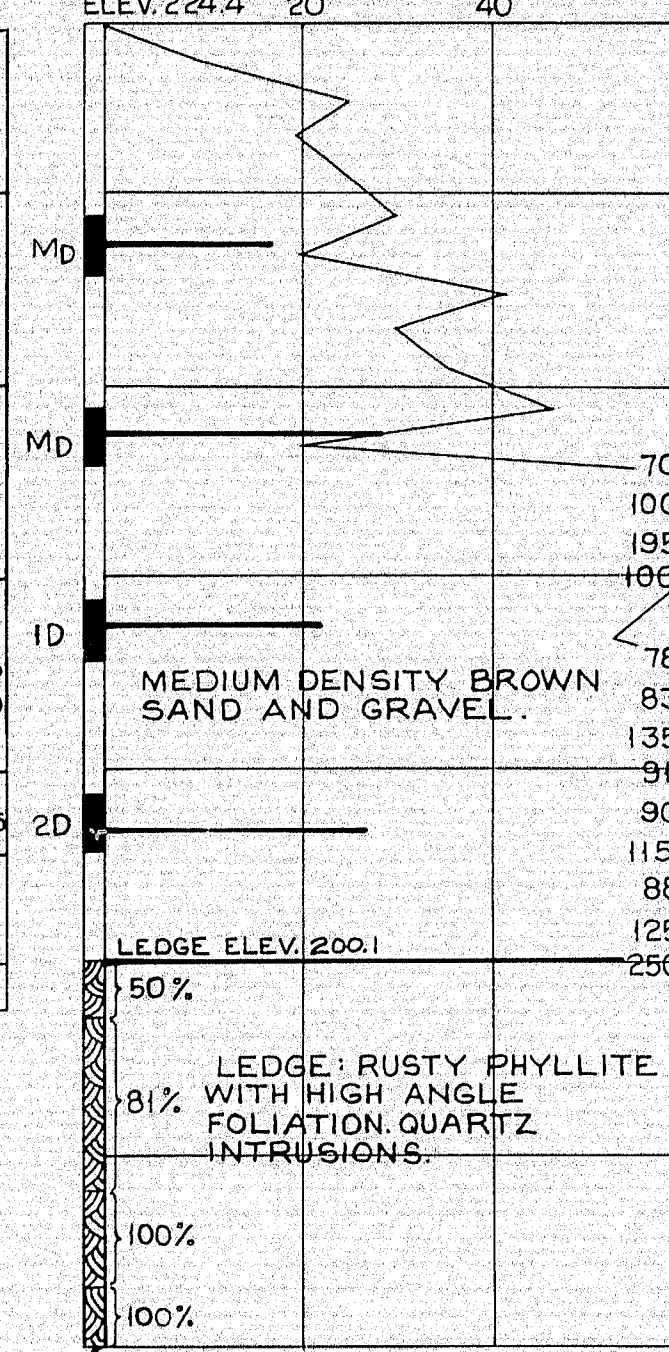
AC-90 PIER NO. 1
STA. 3337+35 & S.B.
ELEV. 237.97 20 40



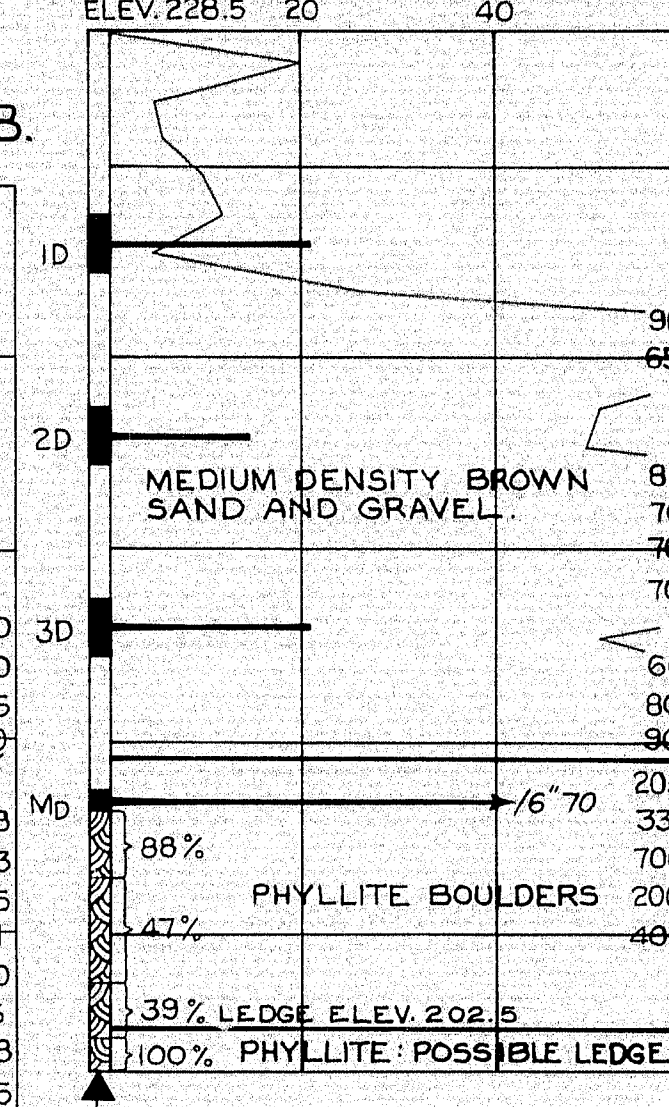
AC-89 PIER NO. 2
STA. 3339+60 & S.B.
ELEV. 224.12 20 40



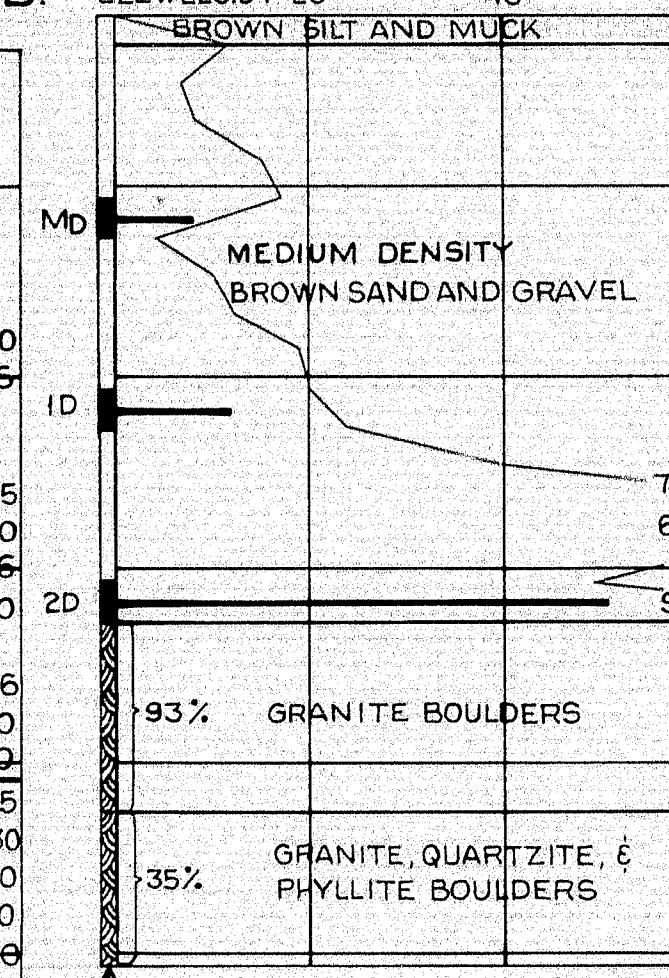
AB-38 PIER NO. 2
STA. 3339+65 20' LT S.B.
ELEV. 224.4 20 40



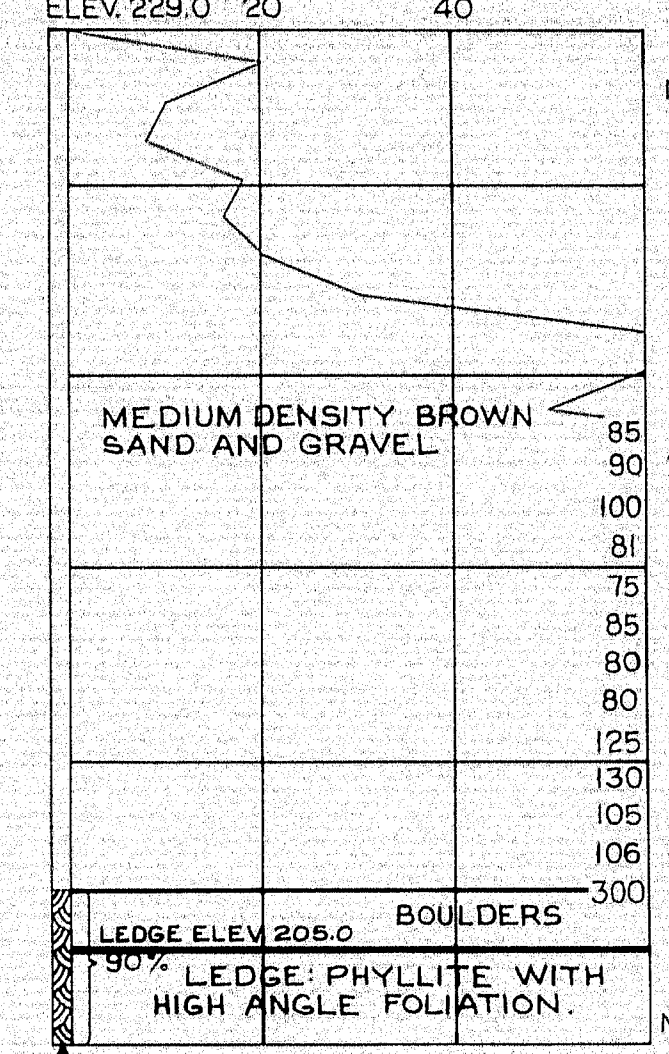
AB-36 PIER NO. 3
STA. 3341+95 20' LT S.B.
ELEV. 228.5 20 40



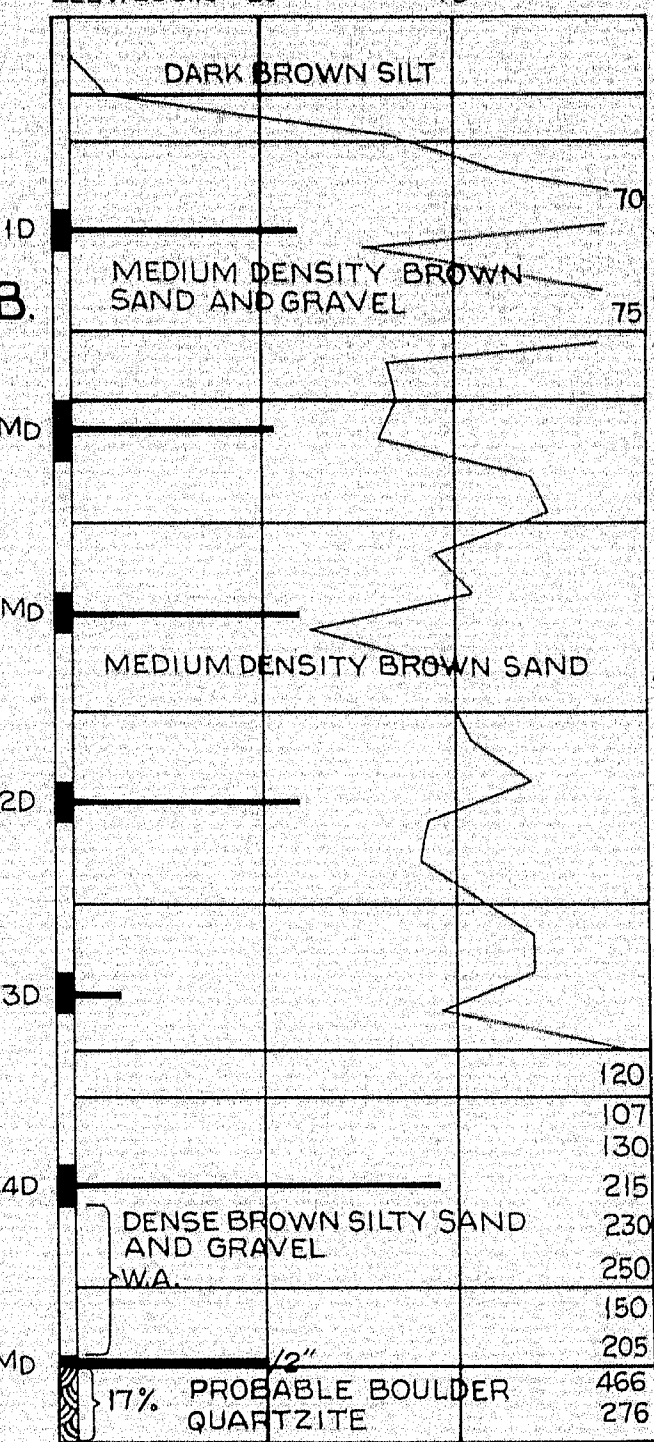
AC-88 PIER NO. 3
STA. 3342+10 & S.B.
ELEV. 229.54 20 40



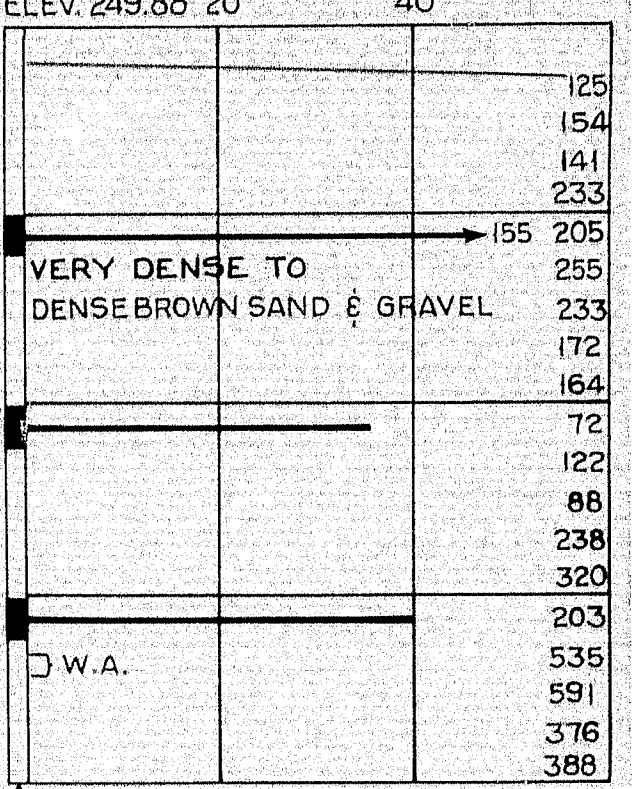
AB-37 PIER NO. 3
STA. 3342+0 20' RT S.B.
ELEV. 229.0 20 40



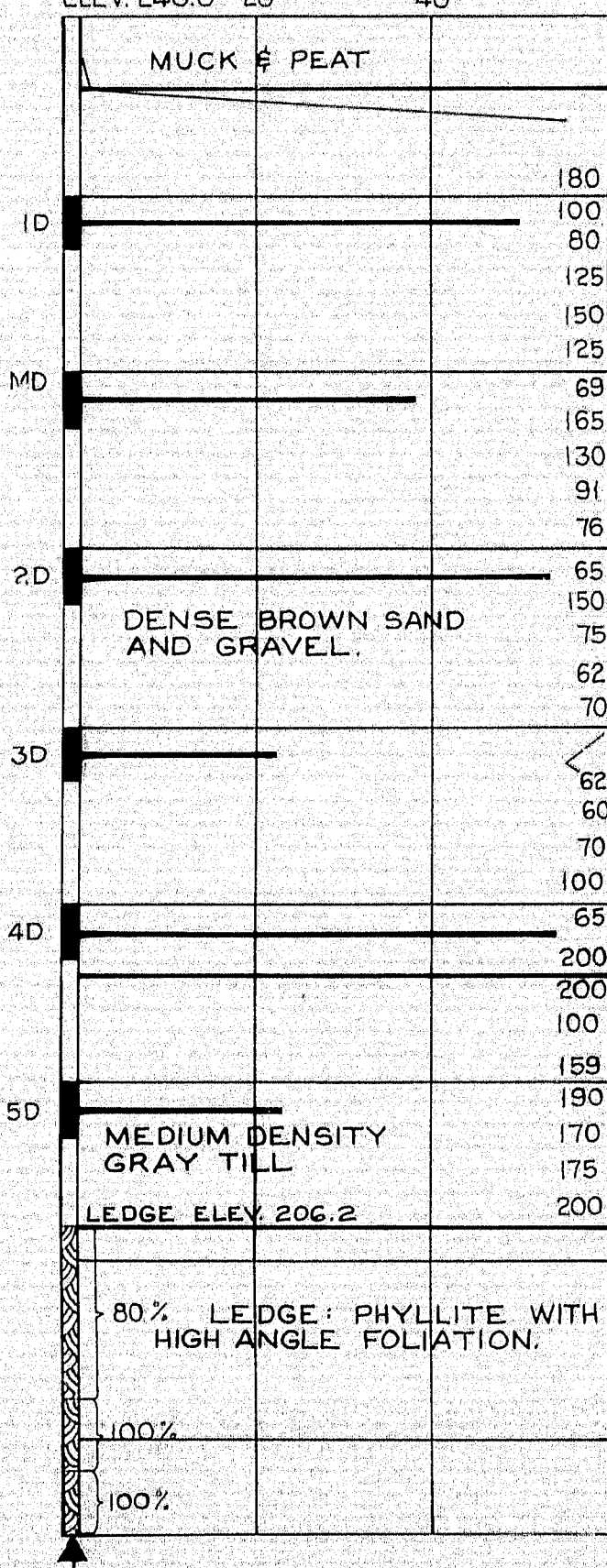
AC-86 PIER NO. 4
STA. 3344+35 & S.B.
ELEV. 238.15 20 40



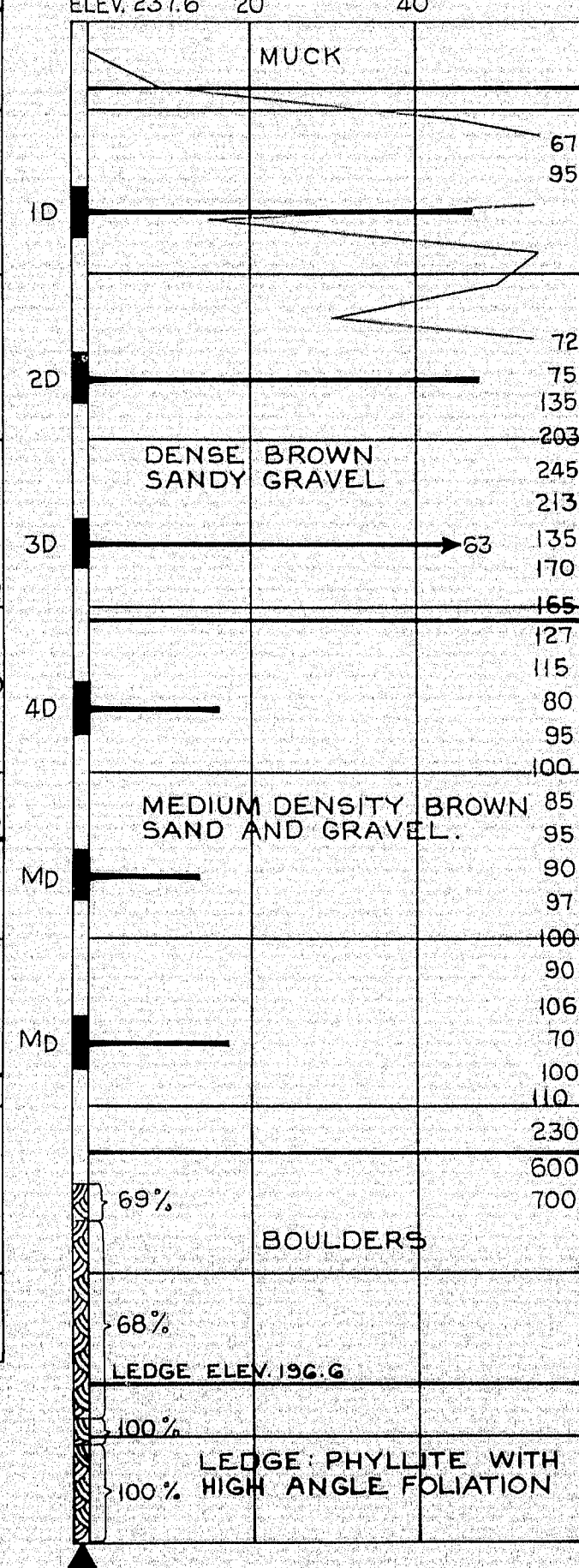
AC-87 ABUT. NO. 2
STA. 3346+10 & S.B.
ELEV. 249.88 20 40



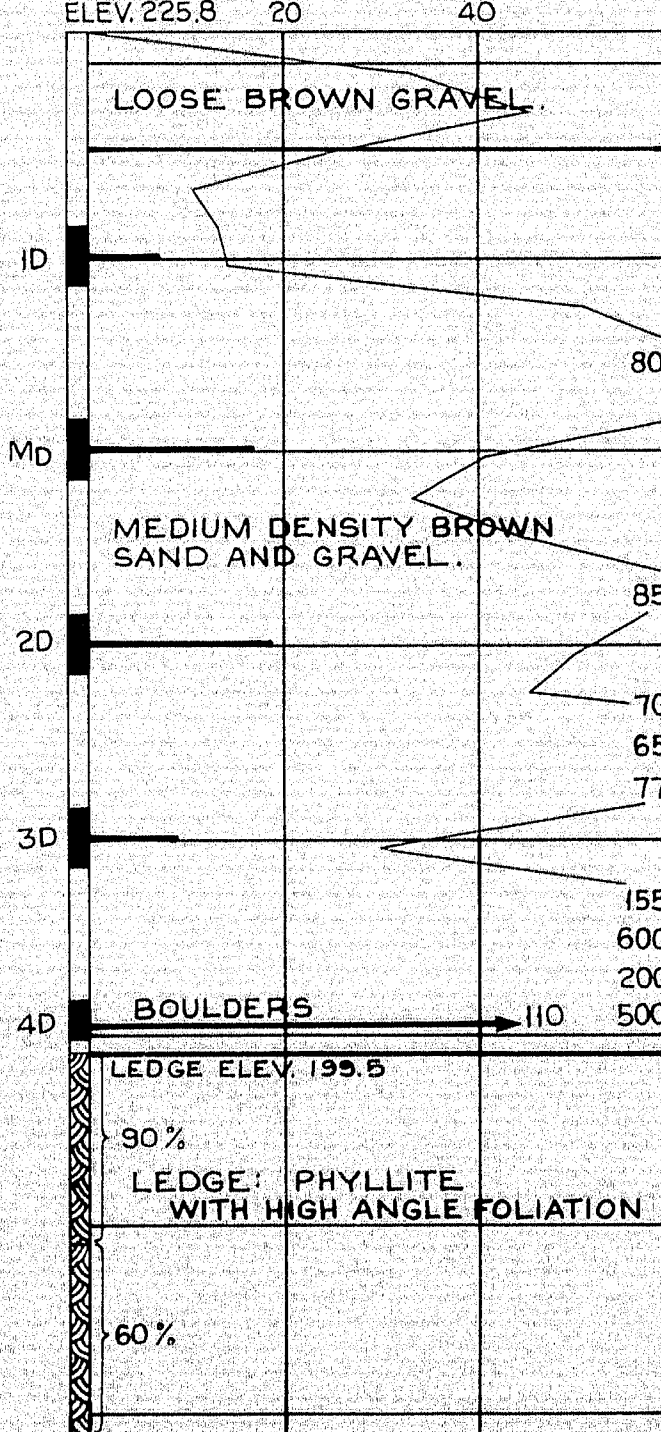
AB-35 ABUT. NO. 1
STA. 3336+10 8' LT N.B.
ELEV. 240.0 20 40



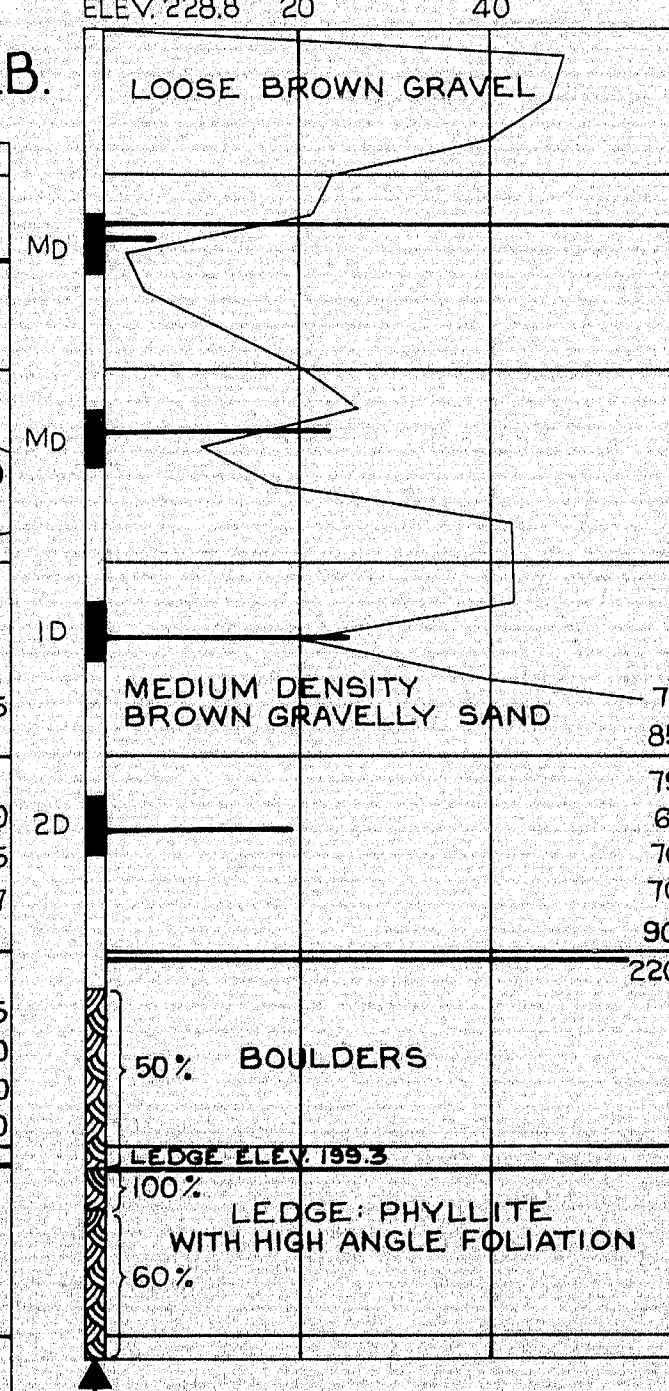
AB-34 PIER NO. 1
STA. 3337+80 20' RT N.B.
ELEV. 237.6 20 40



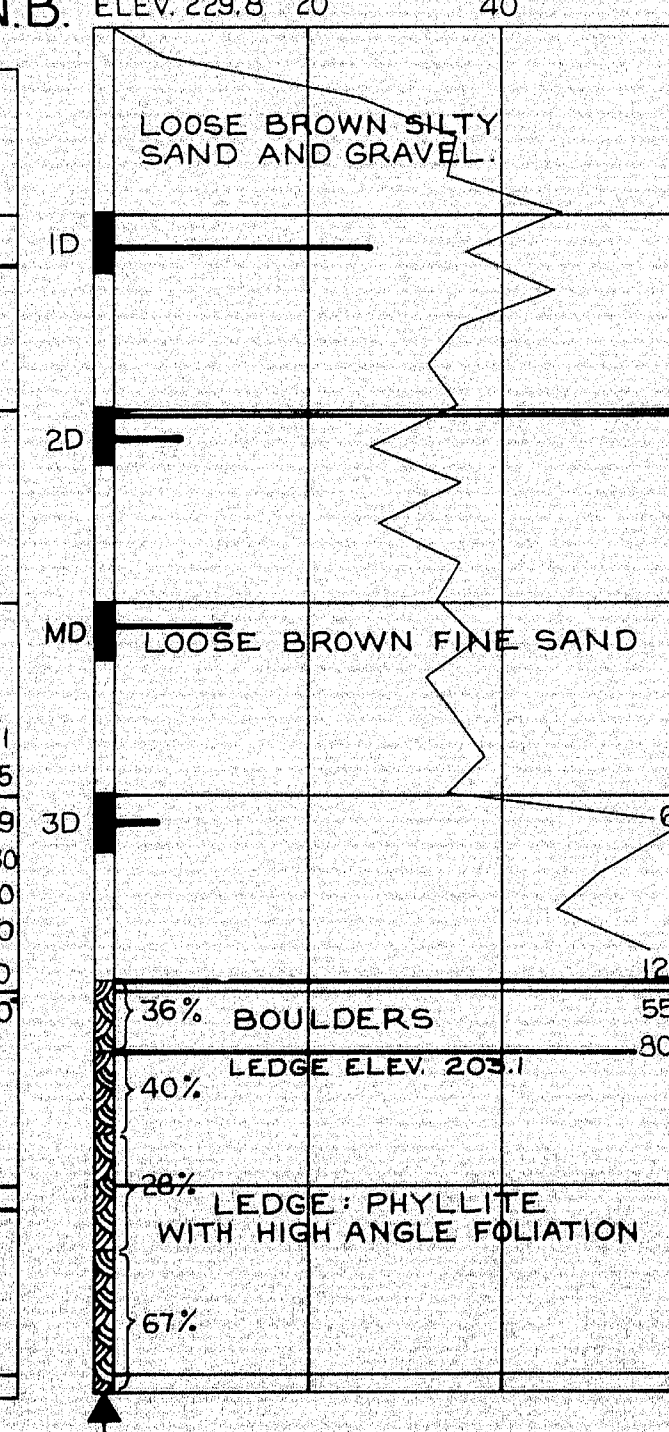
AB-28 PIER NO. 2
STA. 3340+10 20' LT N.B.
ELEV. 225.8 20 40



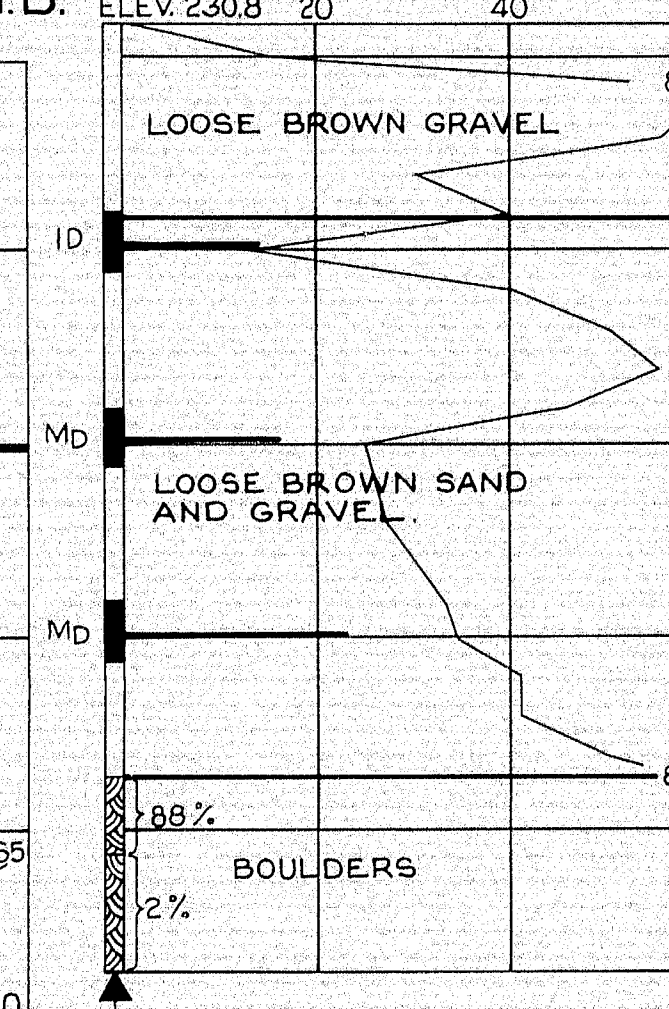
AB-29 PIER NO. 3
STA. 3342+60 20' RT N.B.
ELEV. 228.8 20 40



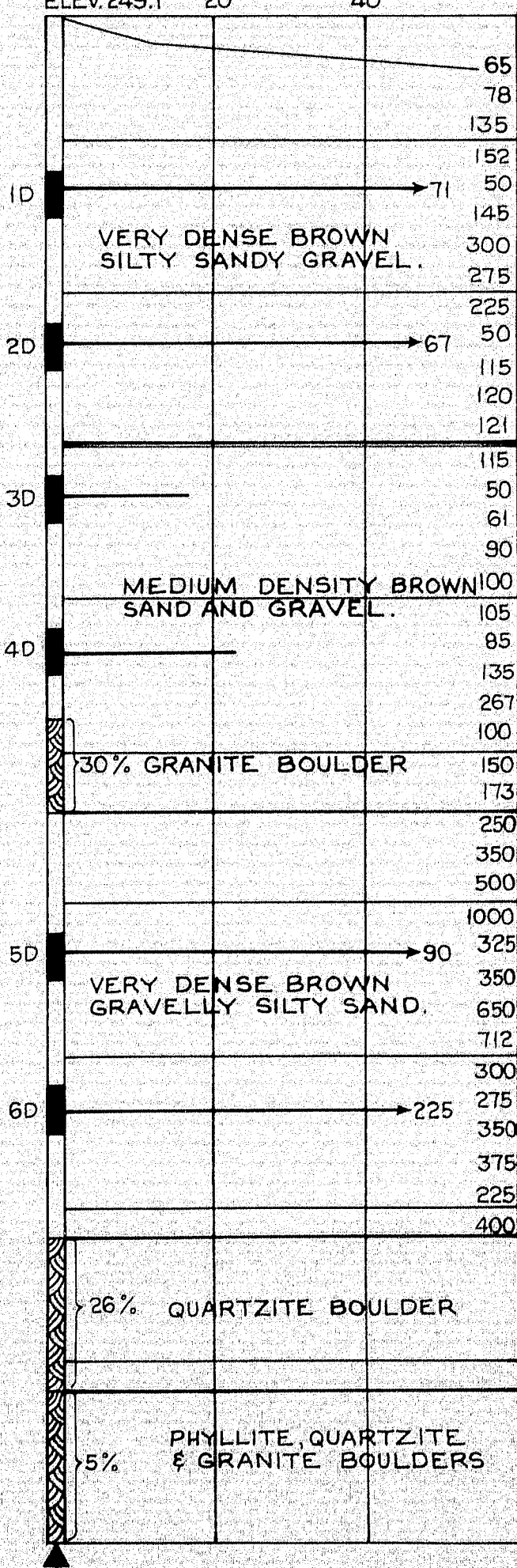
AB-31 PIER NO. 4
STA. 3344+50 20' LT N.B.
ELEV. 229.8 20 40



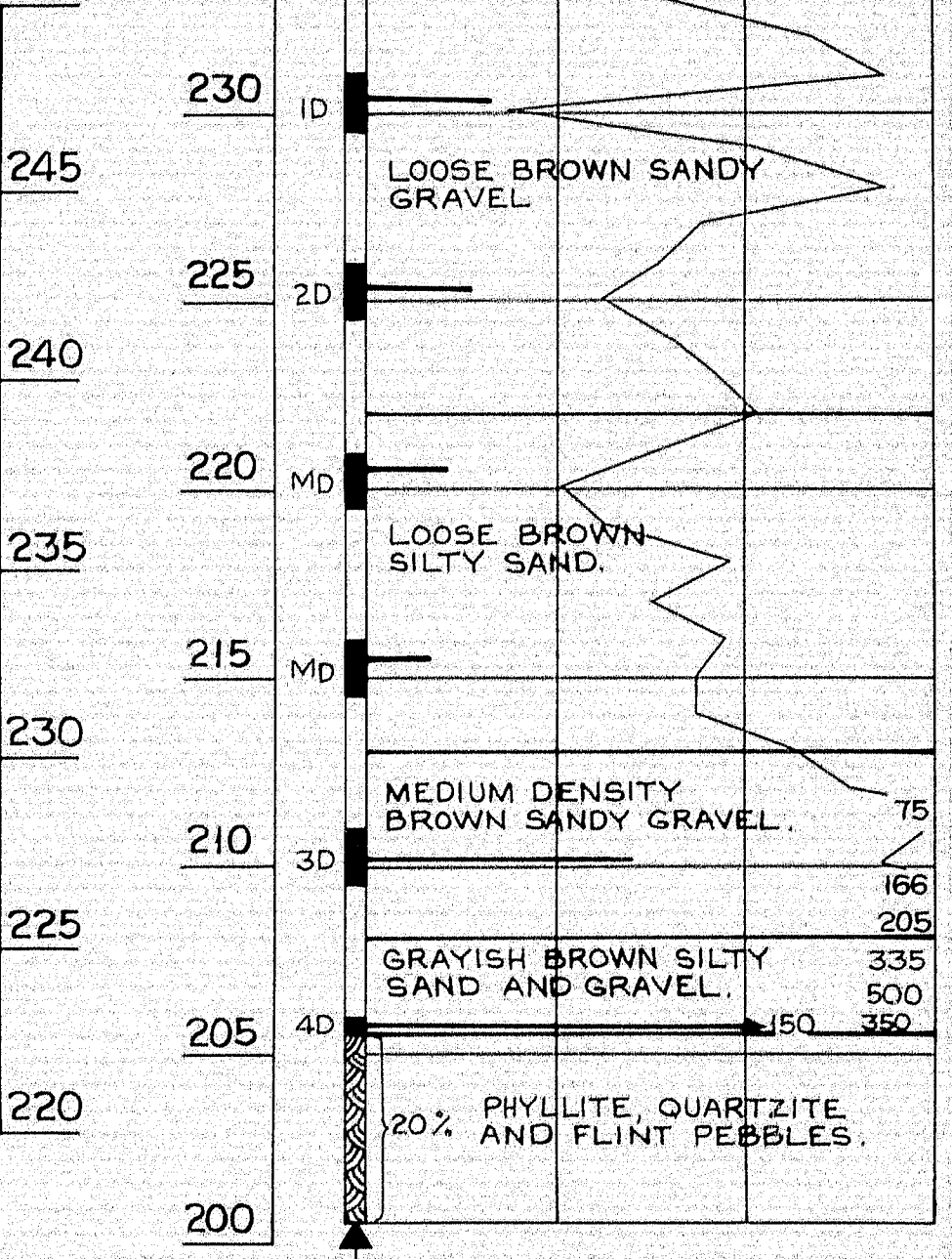
AB-30 PIER NO. 4
STA. 3344+60 20' LT N.B.
ELEV. 230.8 20 40



AB-27 ABUT. NO. 2
STA. 3346+45 & N.B.
ELEV. 249.1 20 40



AB-39 PIER NO. 4
STA. 3344+25 20' LT S.B.
ELEV. 236.0 20 40



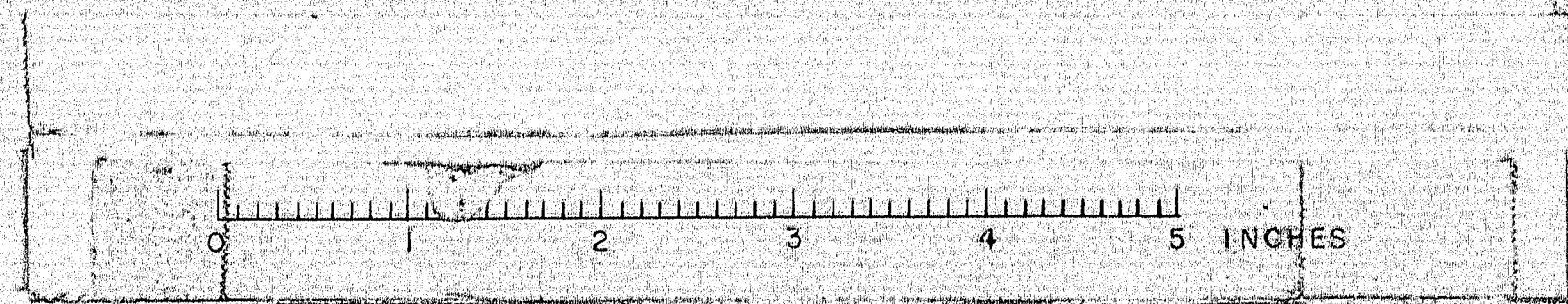
BORING NOTES

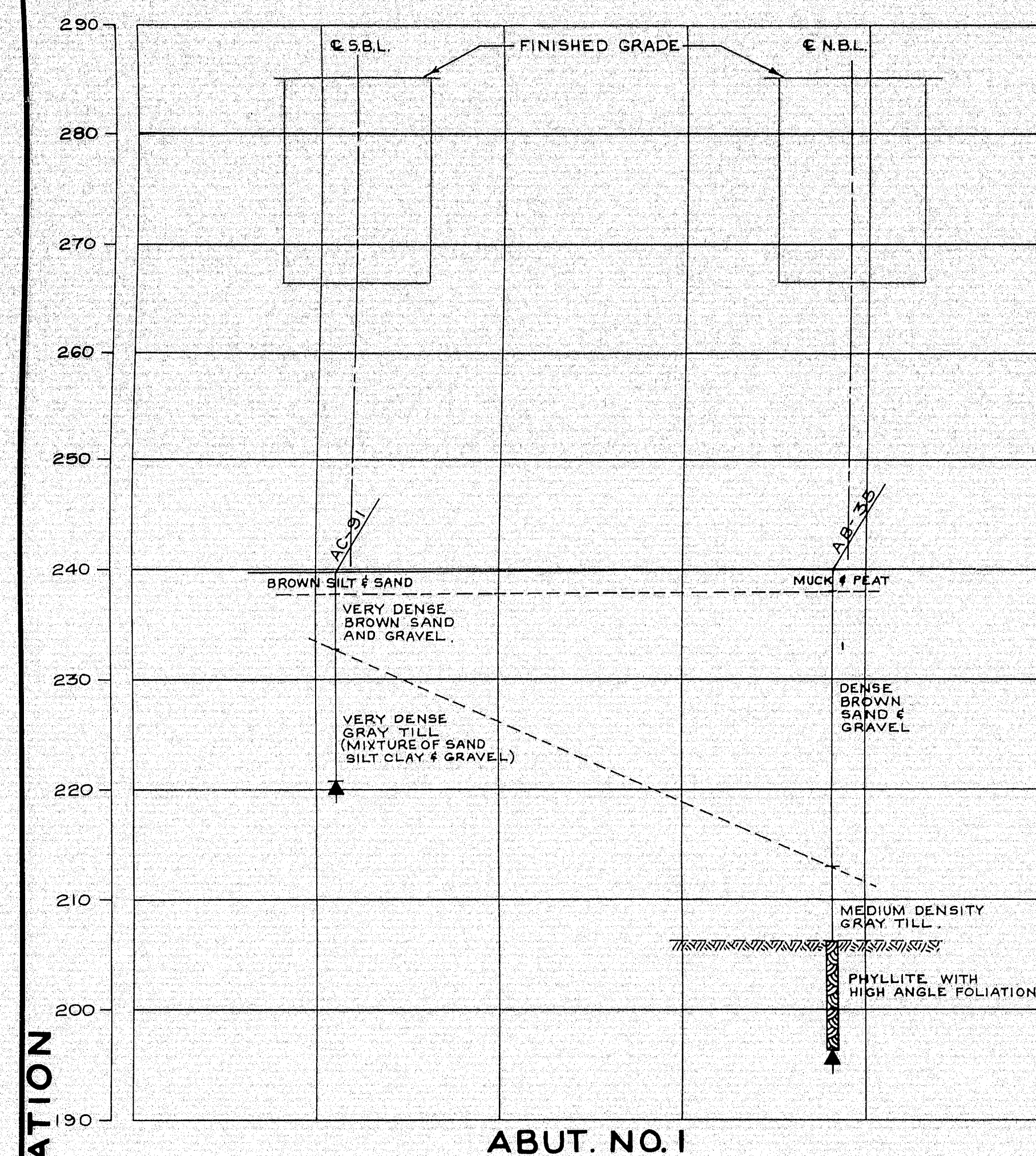
- ALL SAMPLES AND VANS ARE MADE AHEAD OF CASING
- NUMBER OF BLOWS REQUIRED TO DRIVE EXTRA HEAVY CASING ONE FOOT WITH 400 FT. LBS. OF ENERGY PER BLOW
- LOCATION OF SAMPLE OR SAMPLE ATTEMPT
- ID S & H SAMPLER #1290'S
- MD UNSUCCESSFUL SAMPLE ATTEMPT AND TYPE OF SAMPLE
- NUMBER OF BLOWS REQUIRED TO DRIVE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

NOTE: CASING SIZE FOR ALL BORINGS - 2 1/2"

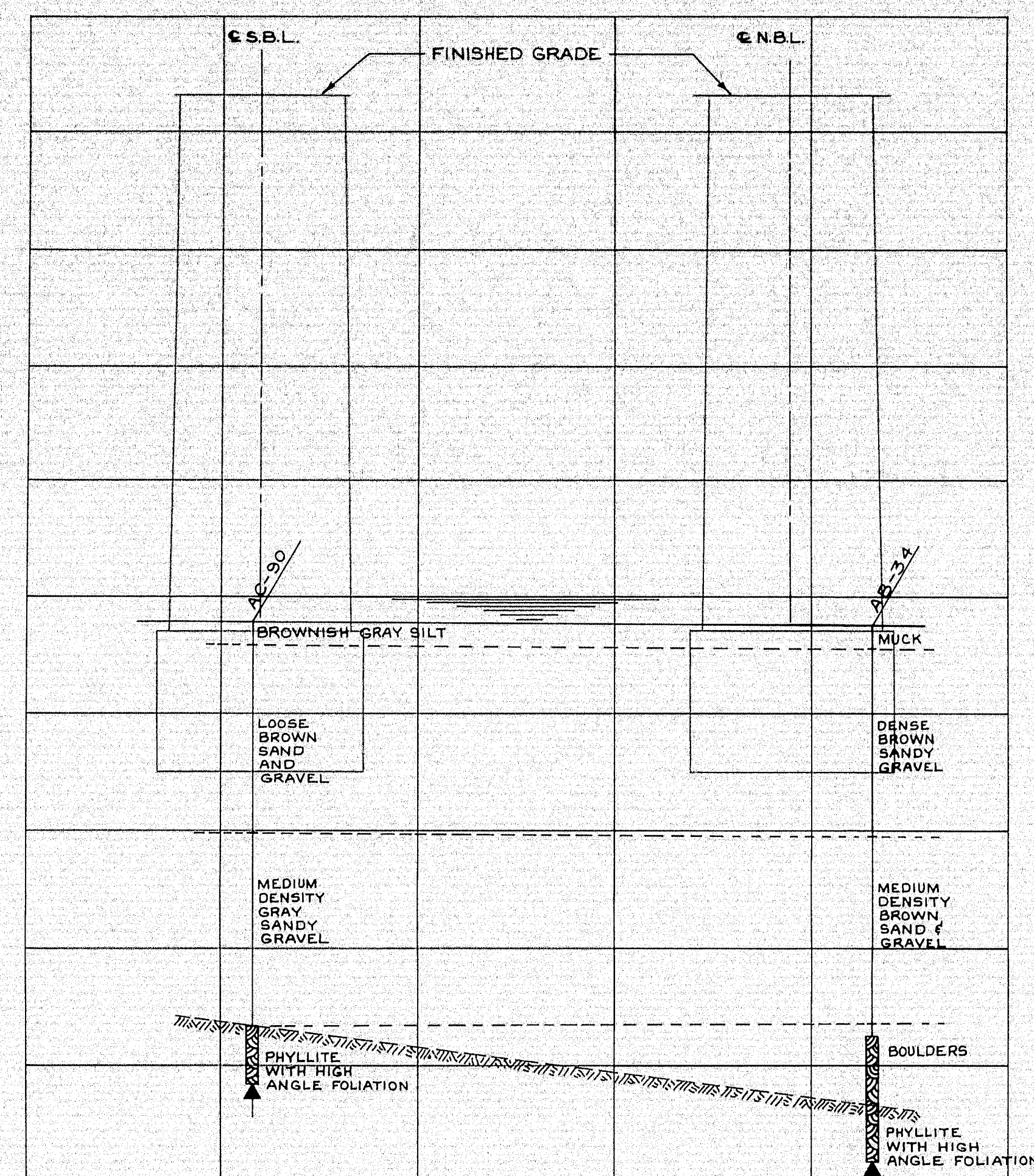
DESIGN -	SOILS DIVISION	BRIDGE NO.
TRACE -		SURVEY -
CHECK -		PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION INTERSTATE 95 OVER PENOBSCOT RIVER IN THE TOWN OF MEDWAY PENOBSCOT COUNTY BORING DETAILS		
SHEET 67 OF 93 AUGUSTA, MAINE, OCTOBER 1964		

99-72

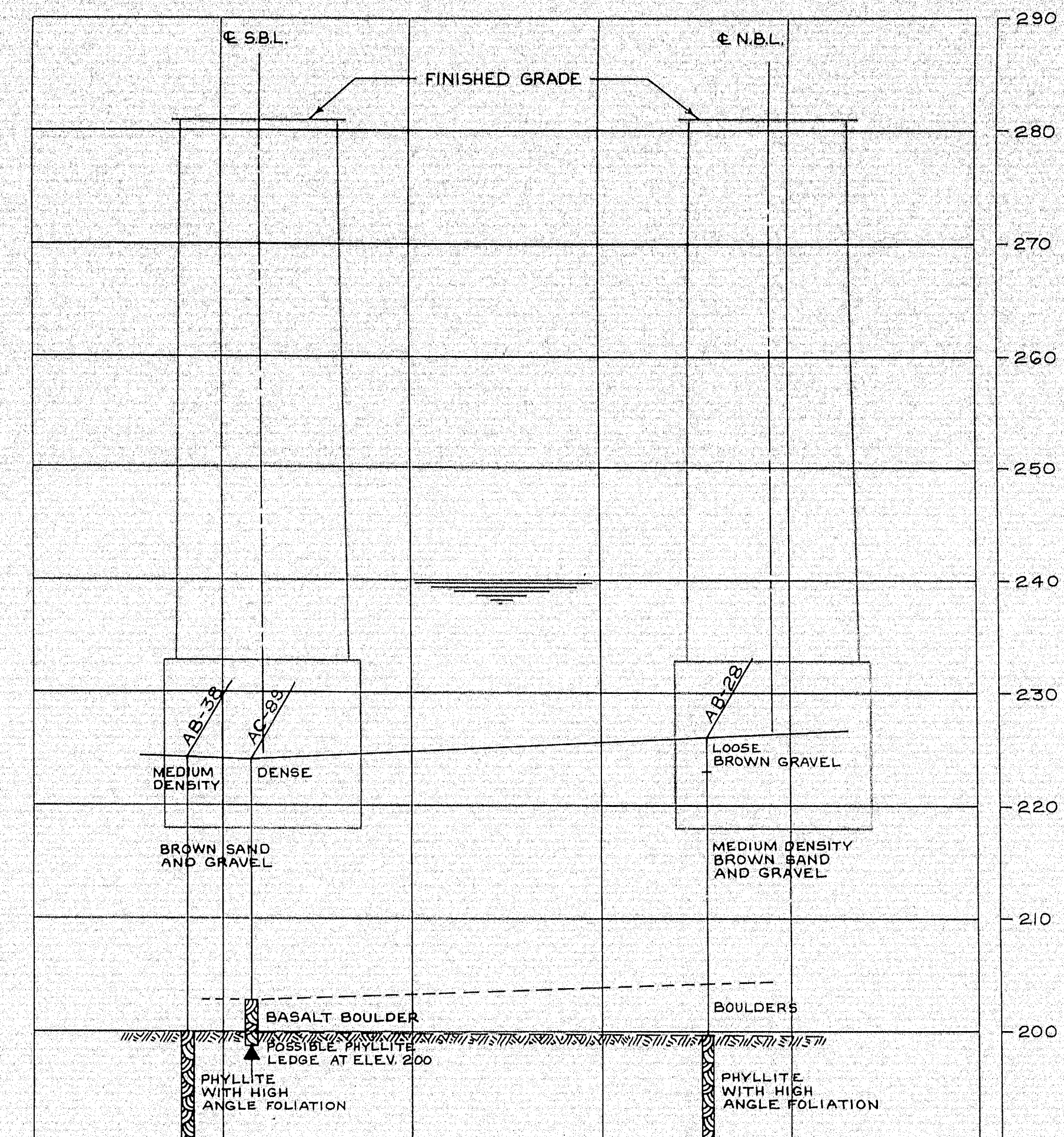




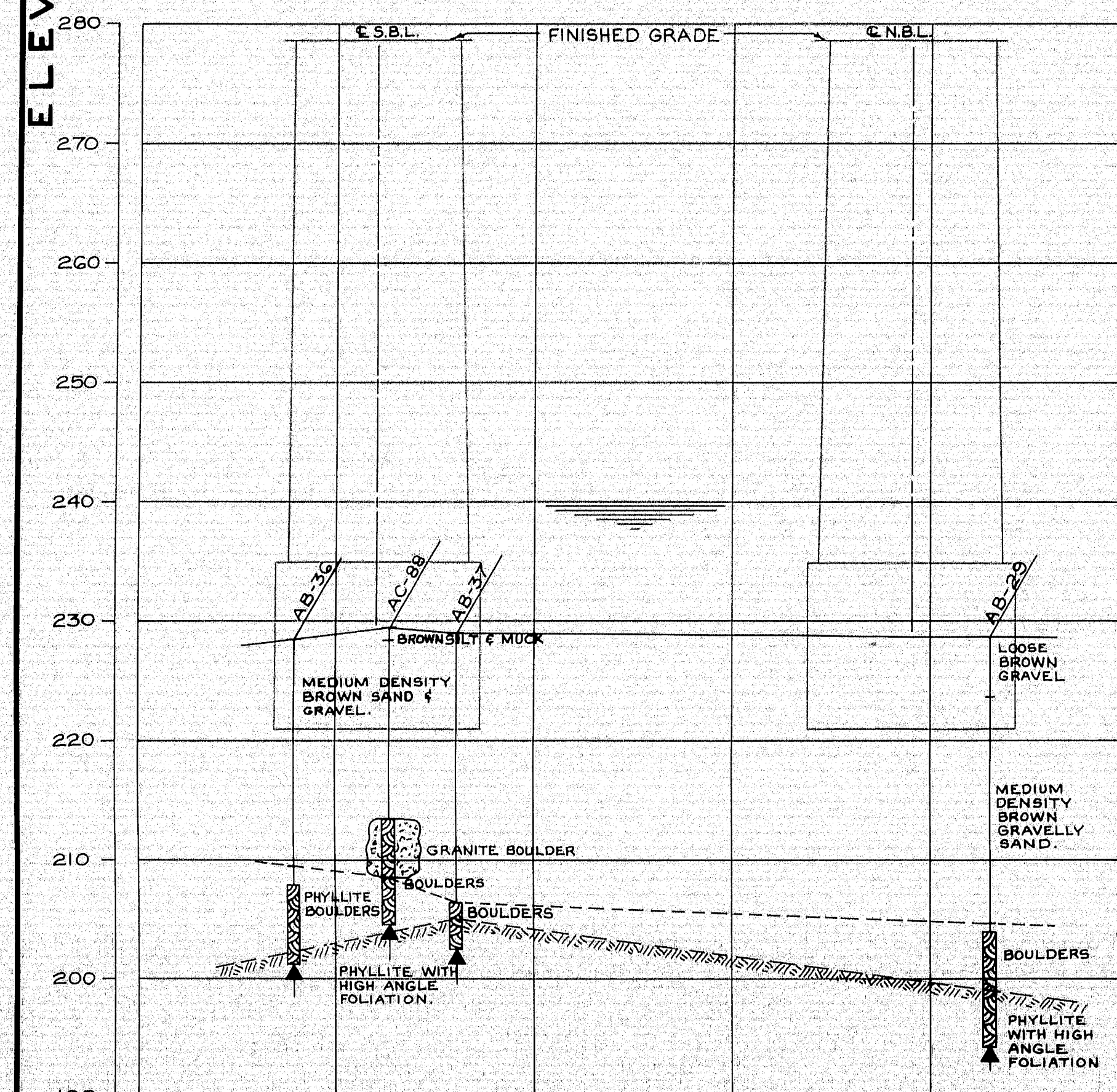
ABUT. NO. 1



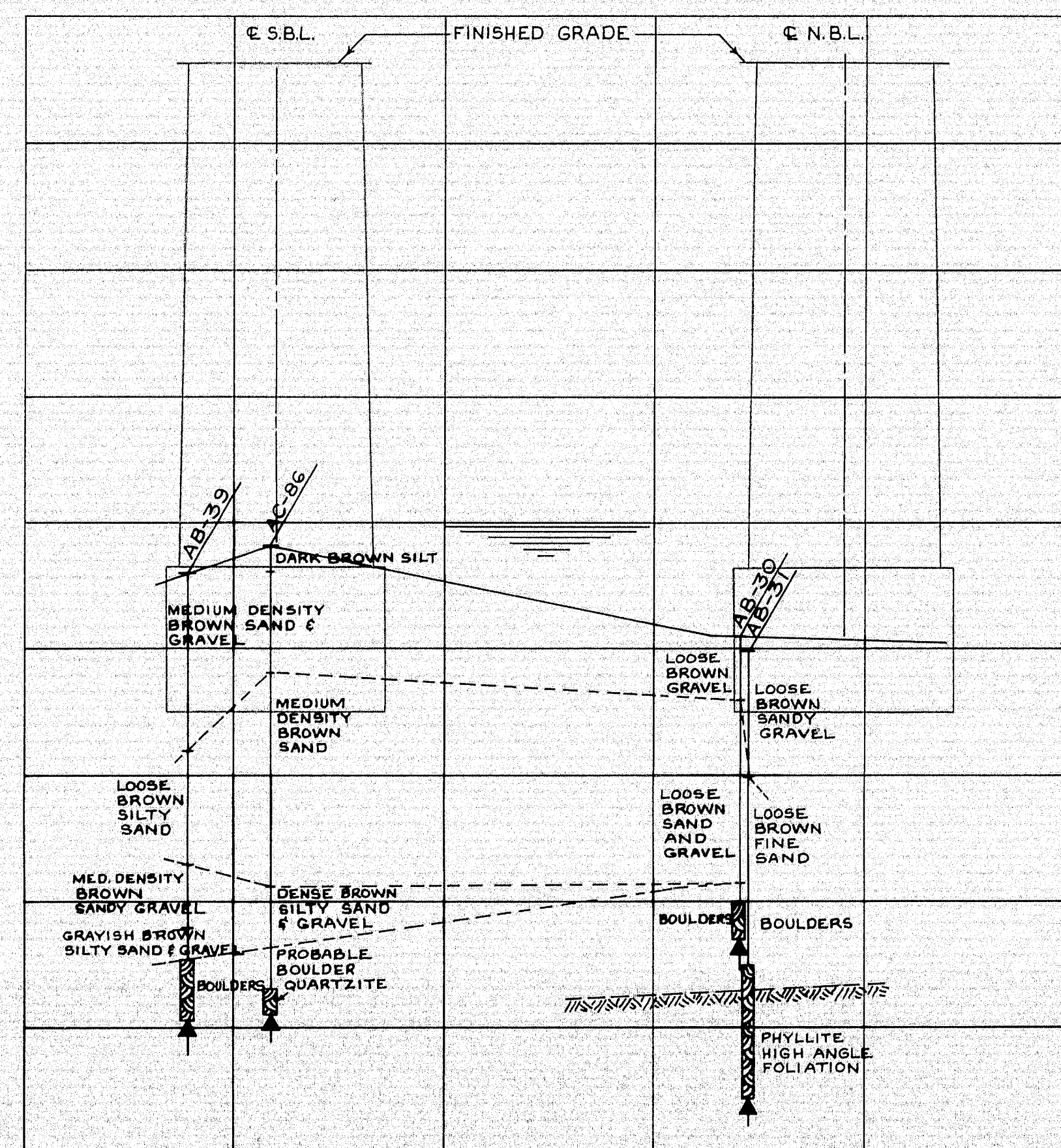
PIER NO. 1



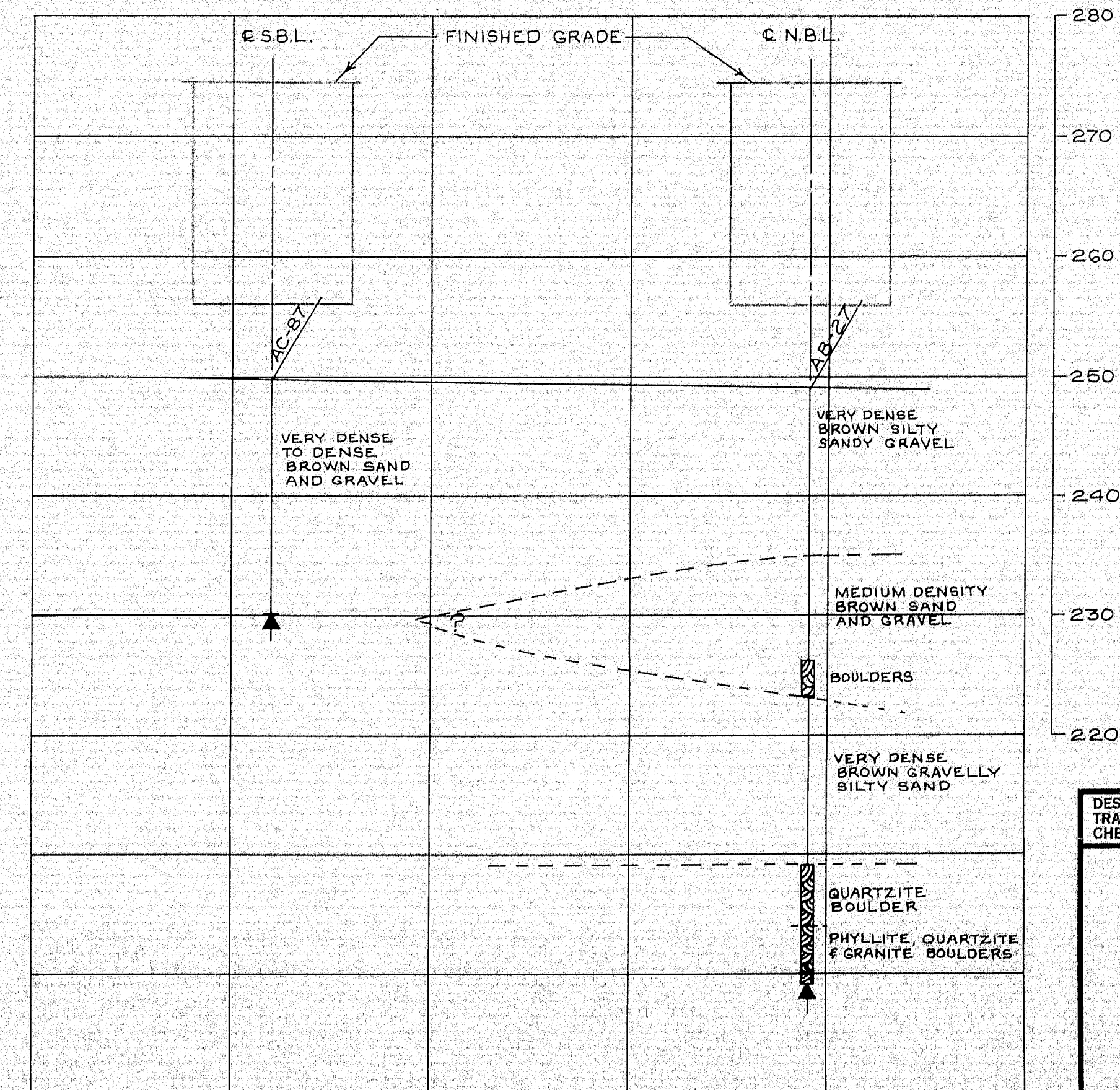
PIER NO. 2



PIER NO. 3



PIER NO. 4



ABUT. NO. 2

TRANSVERSE PROFILES
SCALE: HORIZ. 1"=30' VERT. 1"=10'

DESIGN—
TRACE—
CHECK—

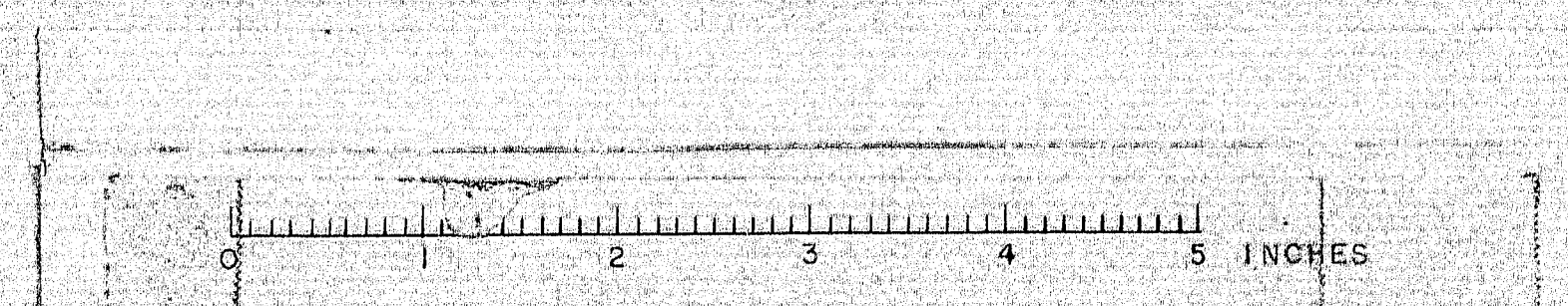
SOILS DIVISION

BRIDGE NO.
SURVEY—
PLOT—

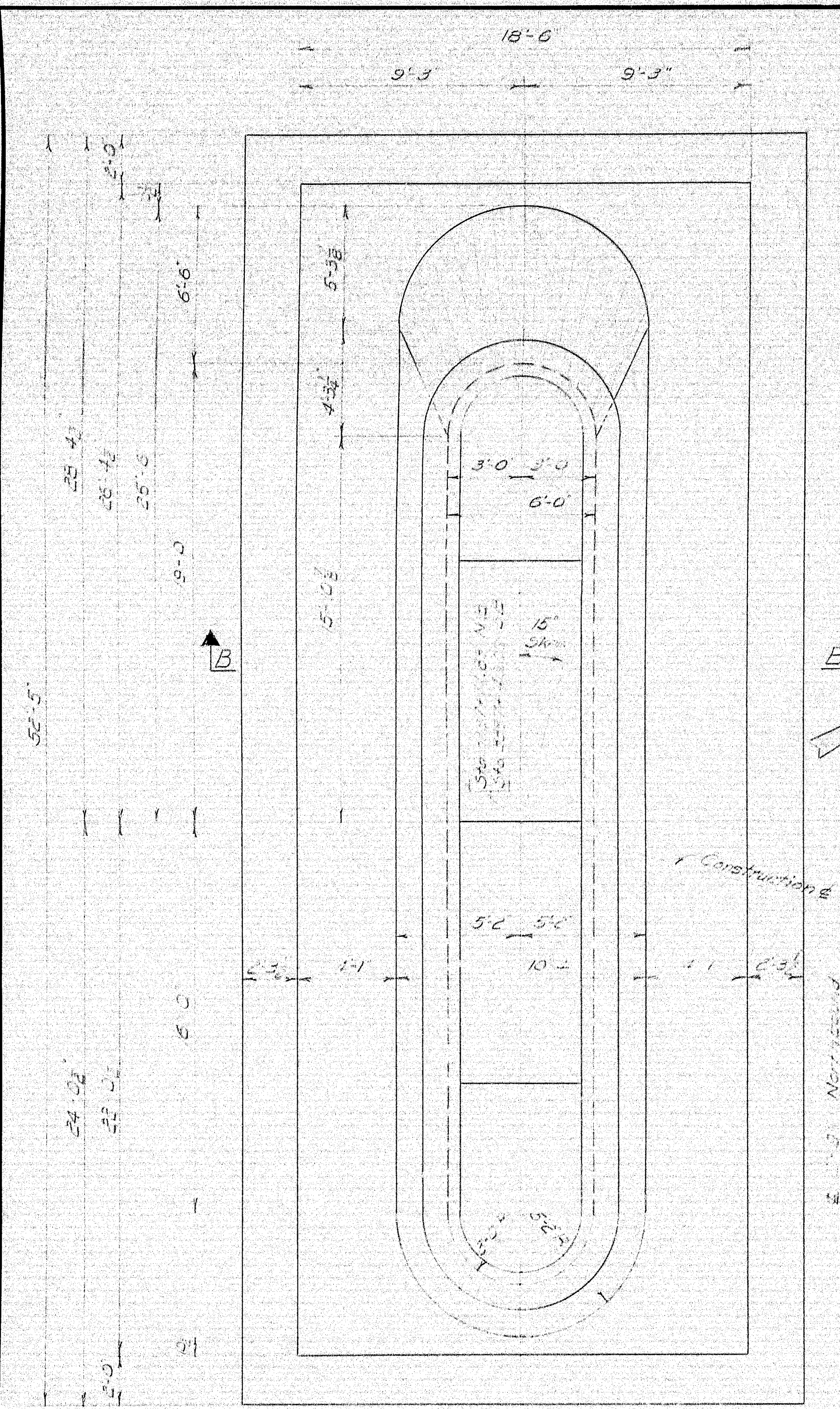
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
INTERSTATE 95
OVER
PENOBSCOT RIVER
IN THE TOWN OF
MEDWAY
PENOBSCOT COUNTY
TRANSVERSE PROFILES

SHEET 68 OF 93 AUGUSTA, MAINE OCTOBER 1964

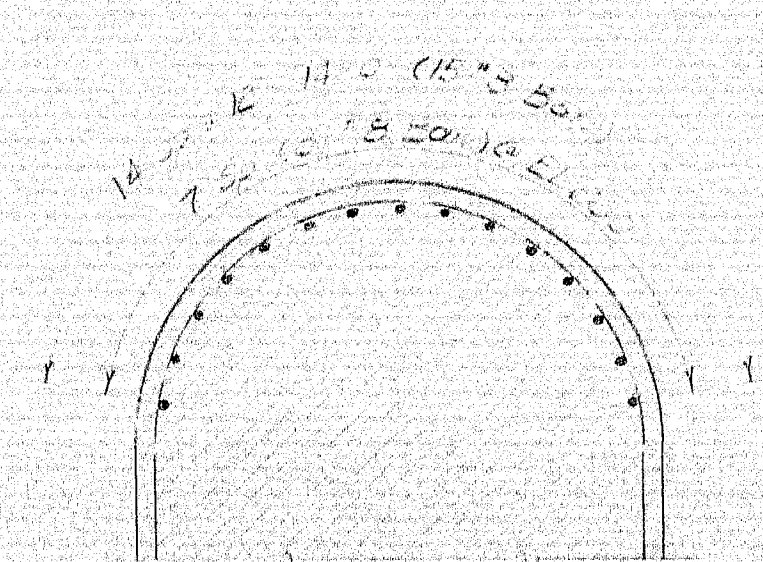
99-73



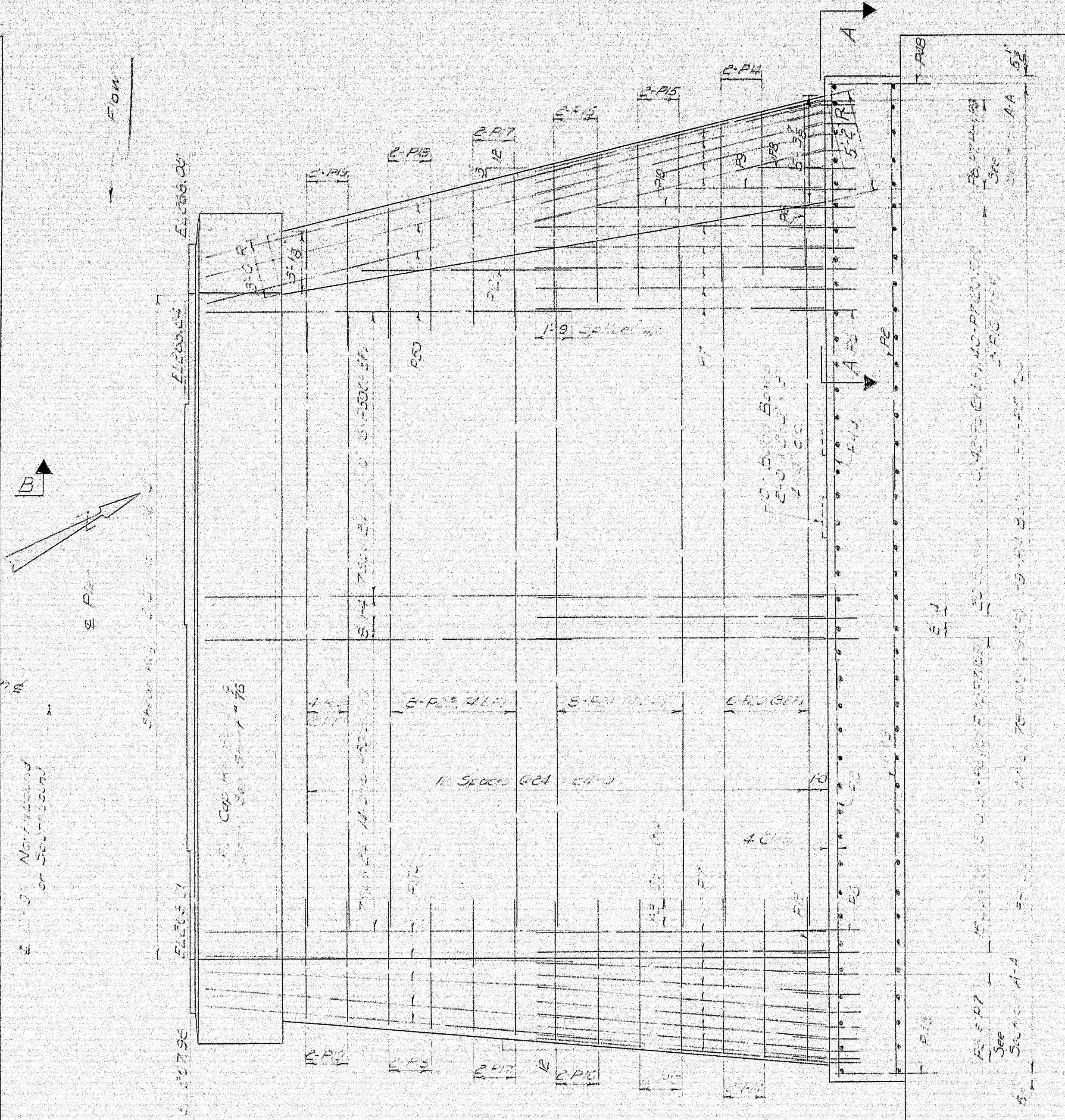
Note: True radius normal to 3/4" nose batter to facilitate form construction. Typical for all piers.



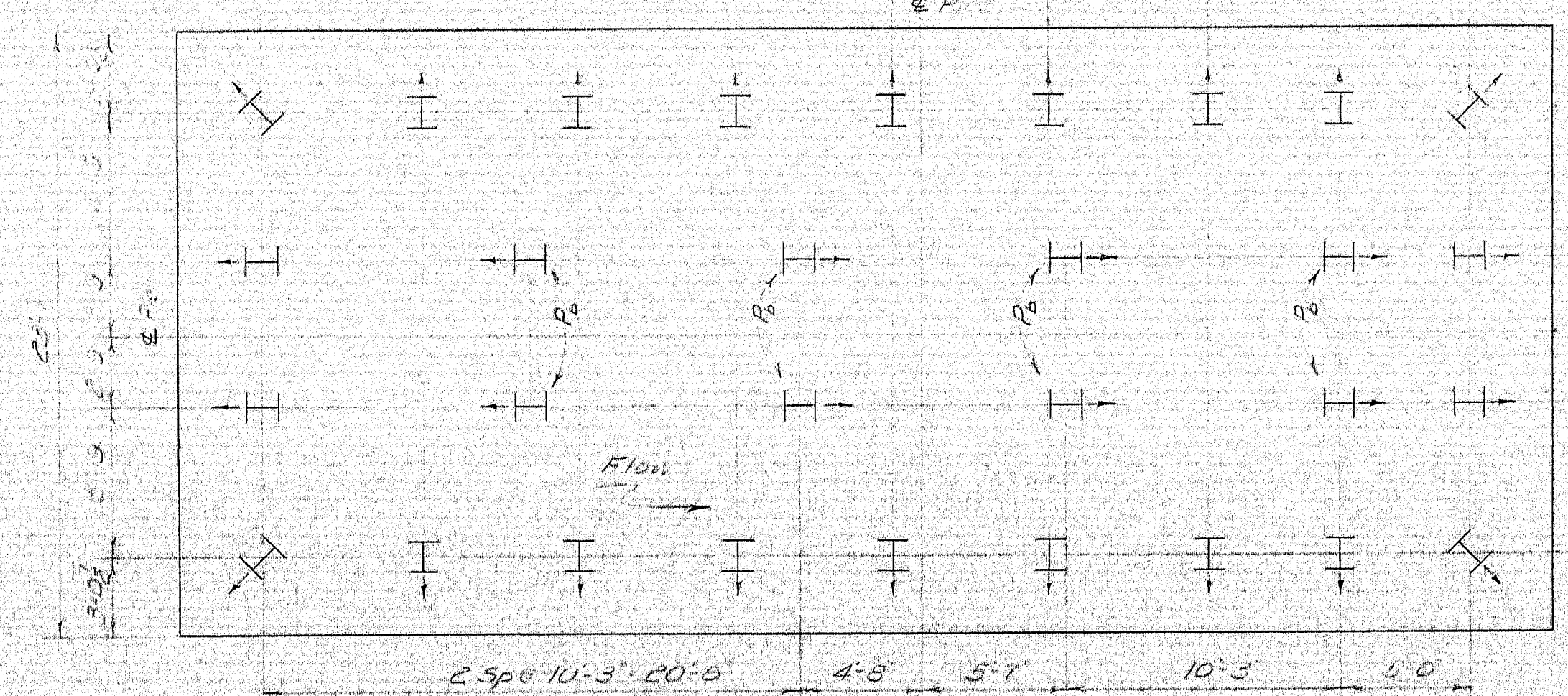
PLAN



SECTION A-A
(Section Same for D.S. End)



SIDE ELEVATION



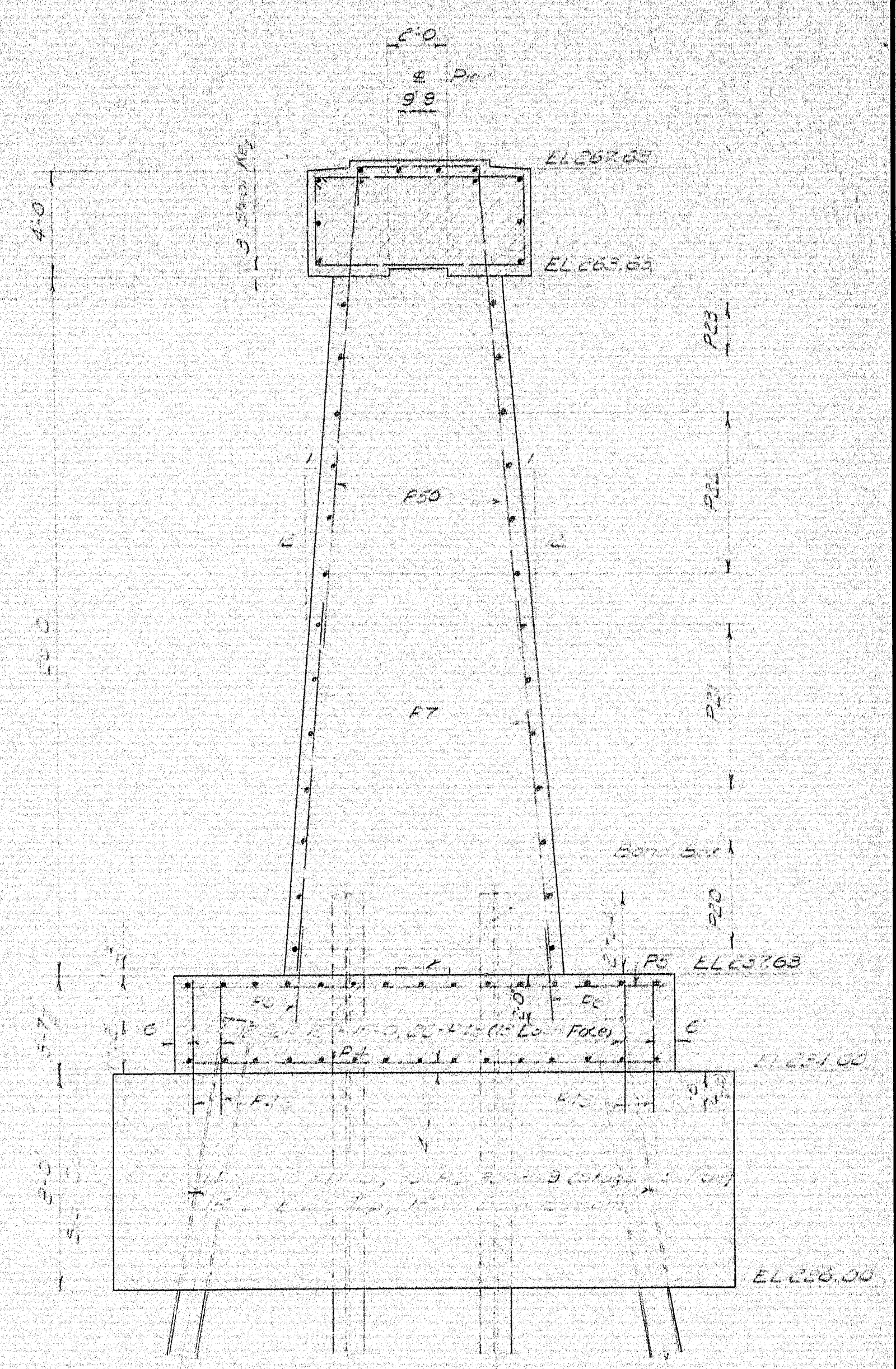
PILE PLAN
at Elevation 226.0

PILE NOTES - PIERS "1"

Total Required: 60 - 14 BPB9
Actual Load Per Pile: 104 Tons
Piles to extend into pier shaft. All others extend into distribution slab.
Estimated length of piles:

22 @ 45'	NB
8 - 12 @ 60'	
22 @ 45'	SB
8 - 12 @ 50'	

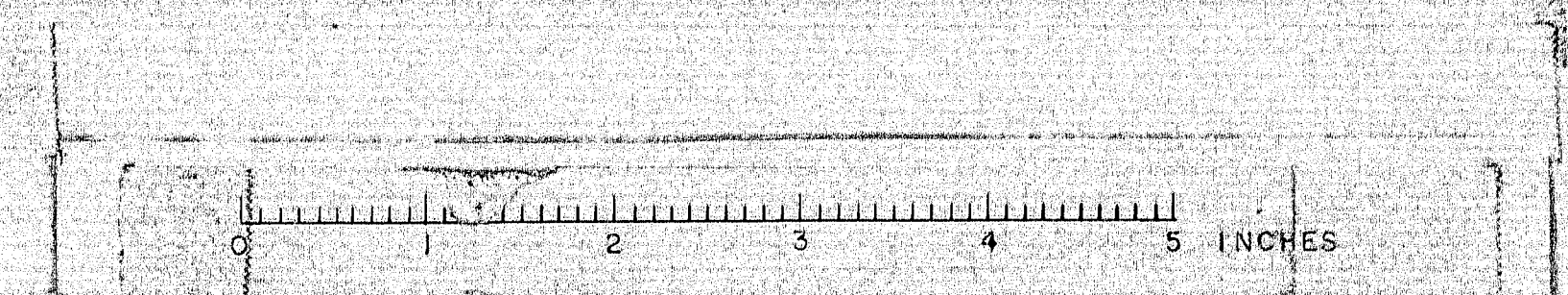
Note: For General Pier Notes and Pier Cap Details see Sheet # 76.

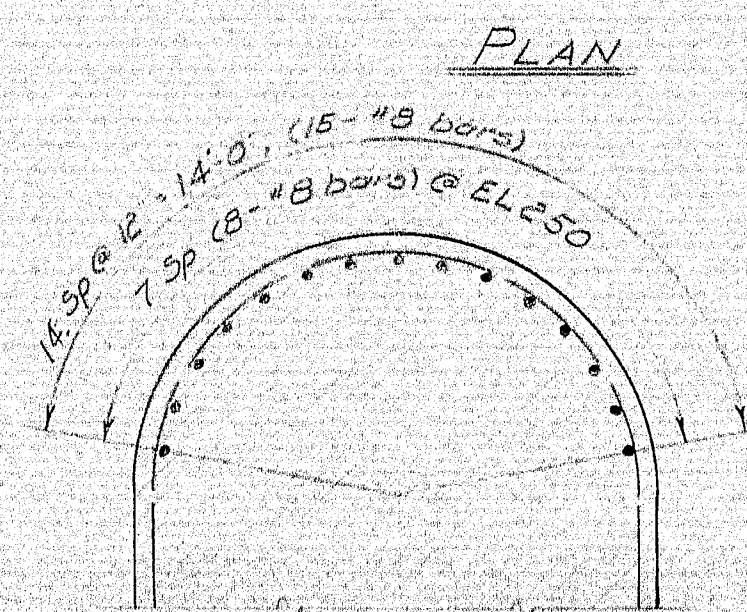
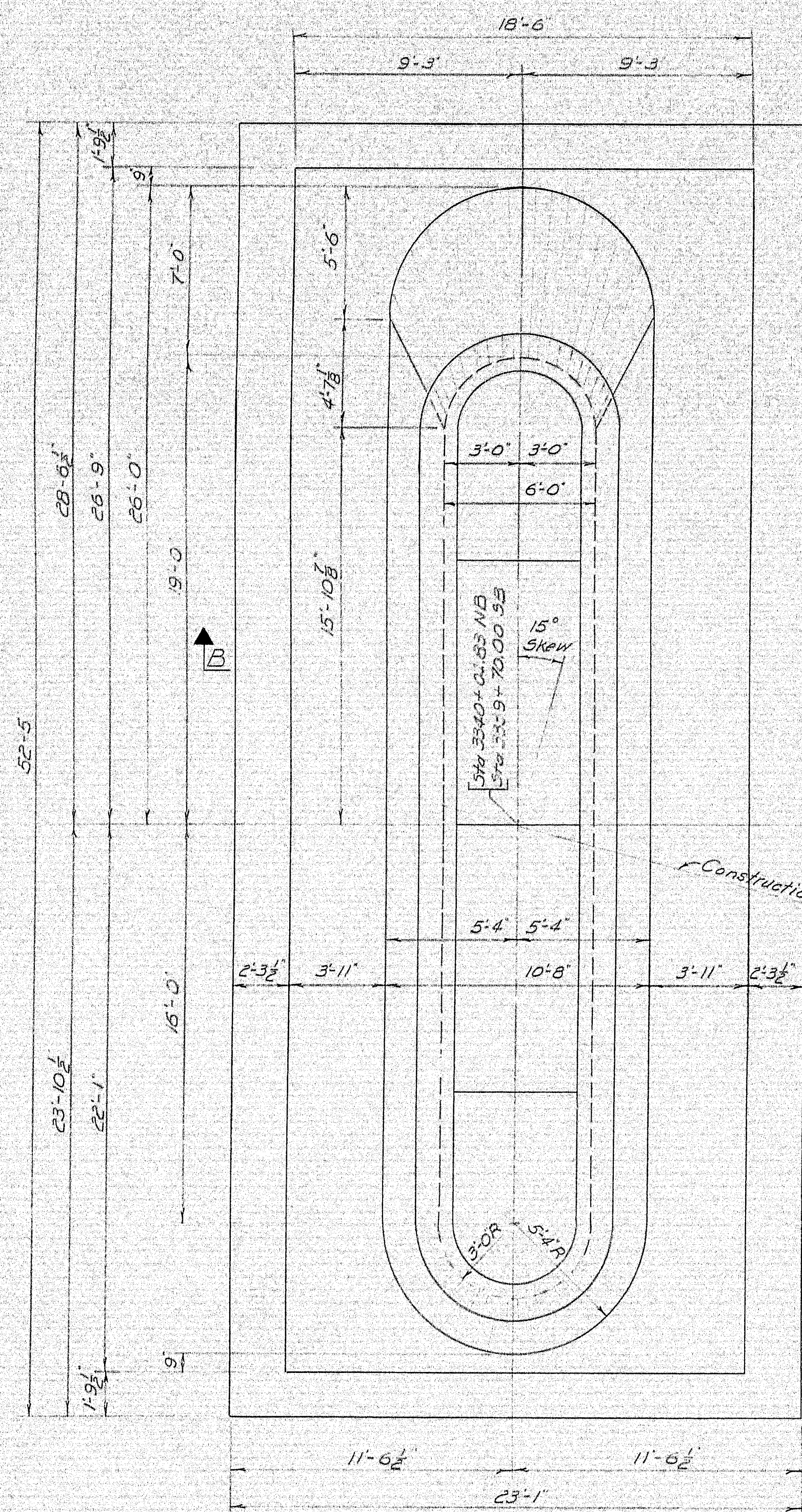


SECTION B-B

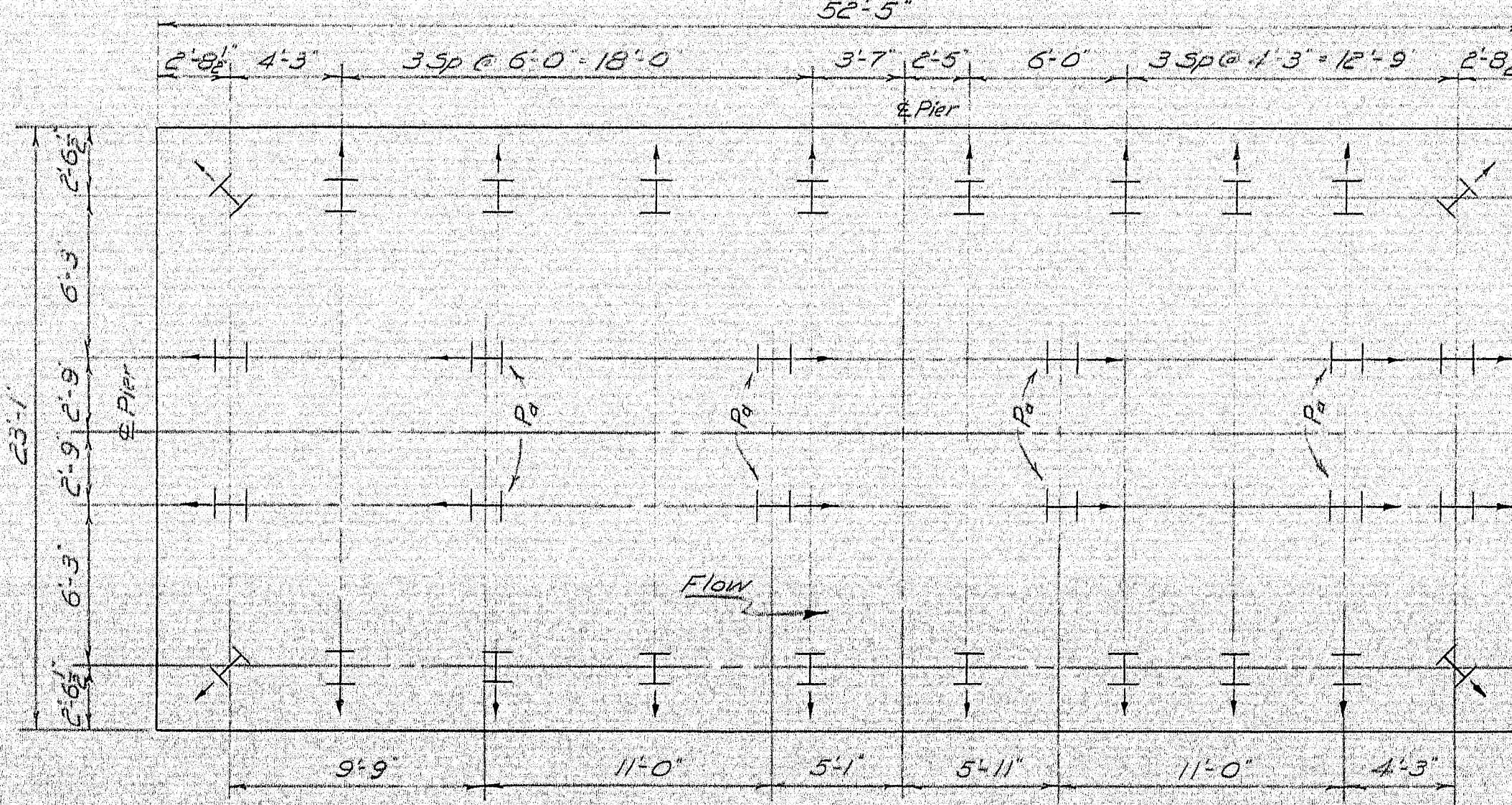
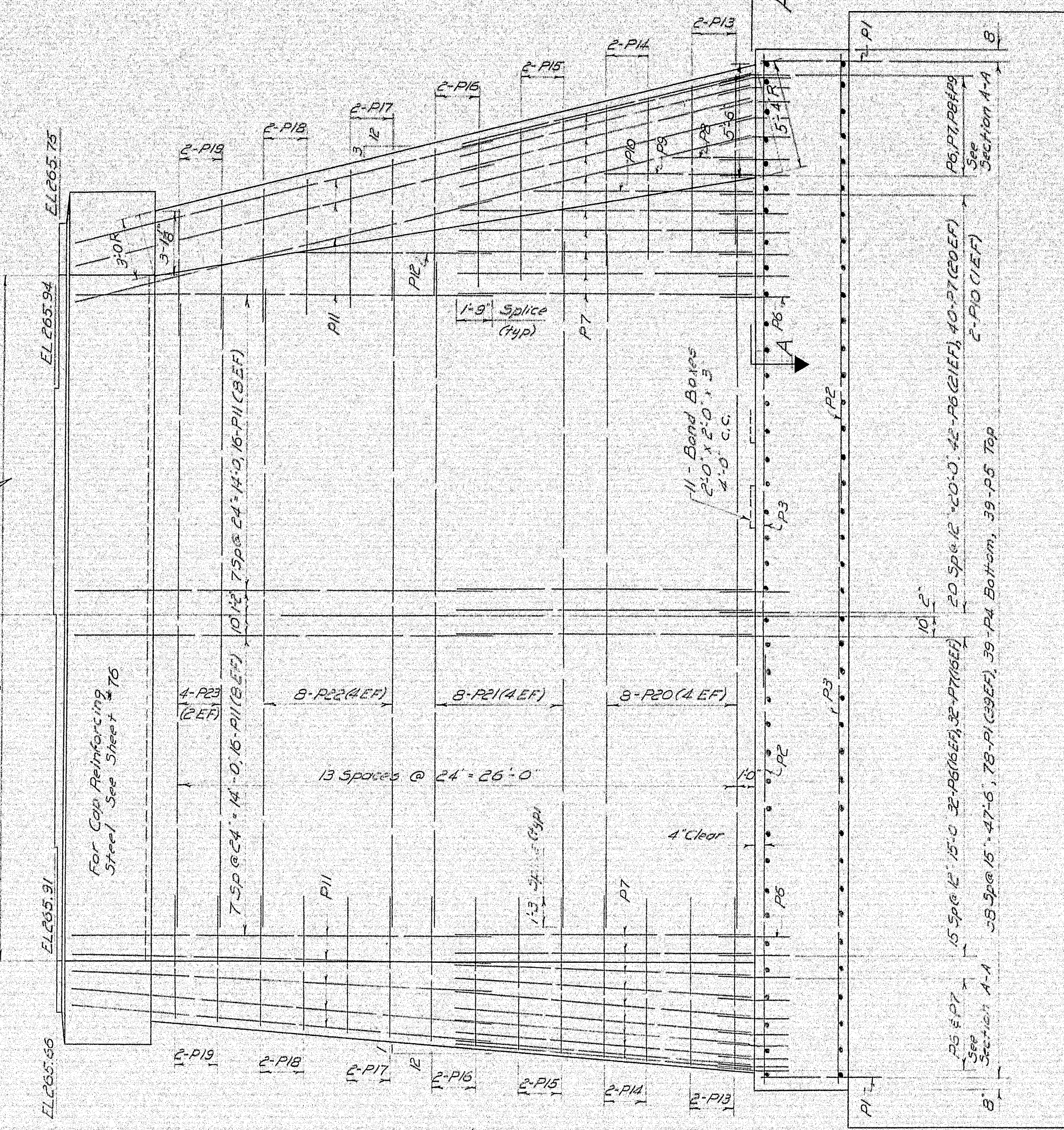
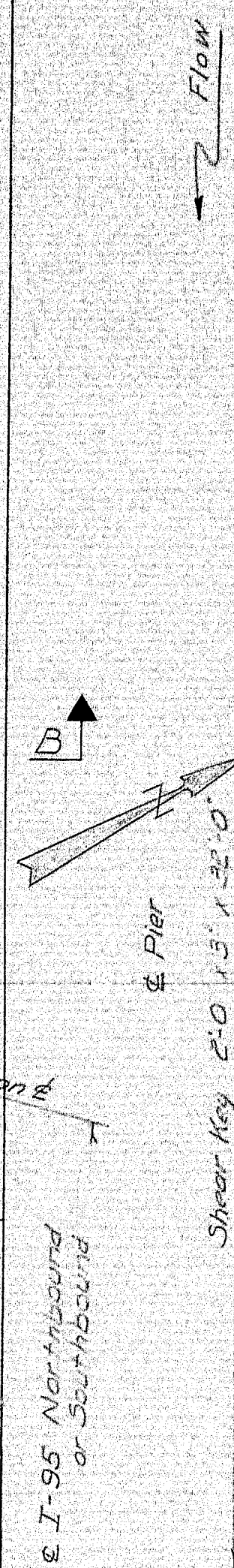
DESIGN - MCR	BRIDGE NO.
TRACE - MCR	1-95-9
CHECK - MCR	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
INTERSTATE 95 OVER PENOBSCOT RIVER IN THE TOWN OF MEDWAY PENOBSCOT COUNTY PIERS 1	
SHEET 72 OF 93 AUGUSTA, MAINE P.J.T. 1964	

99-77





SECTION A-A
(Section Same For D.S. End)



PILE PLAN
At EL 218.00

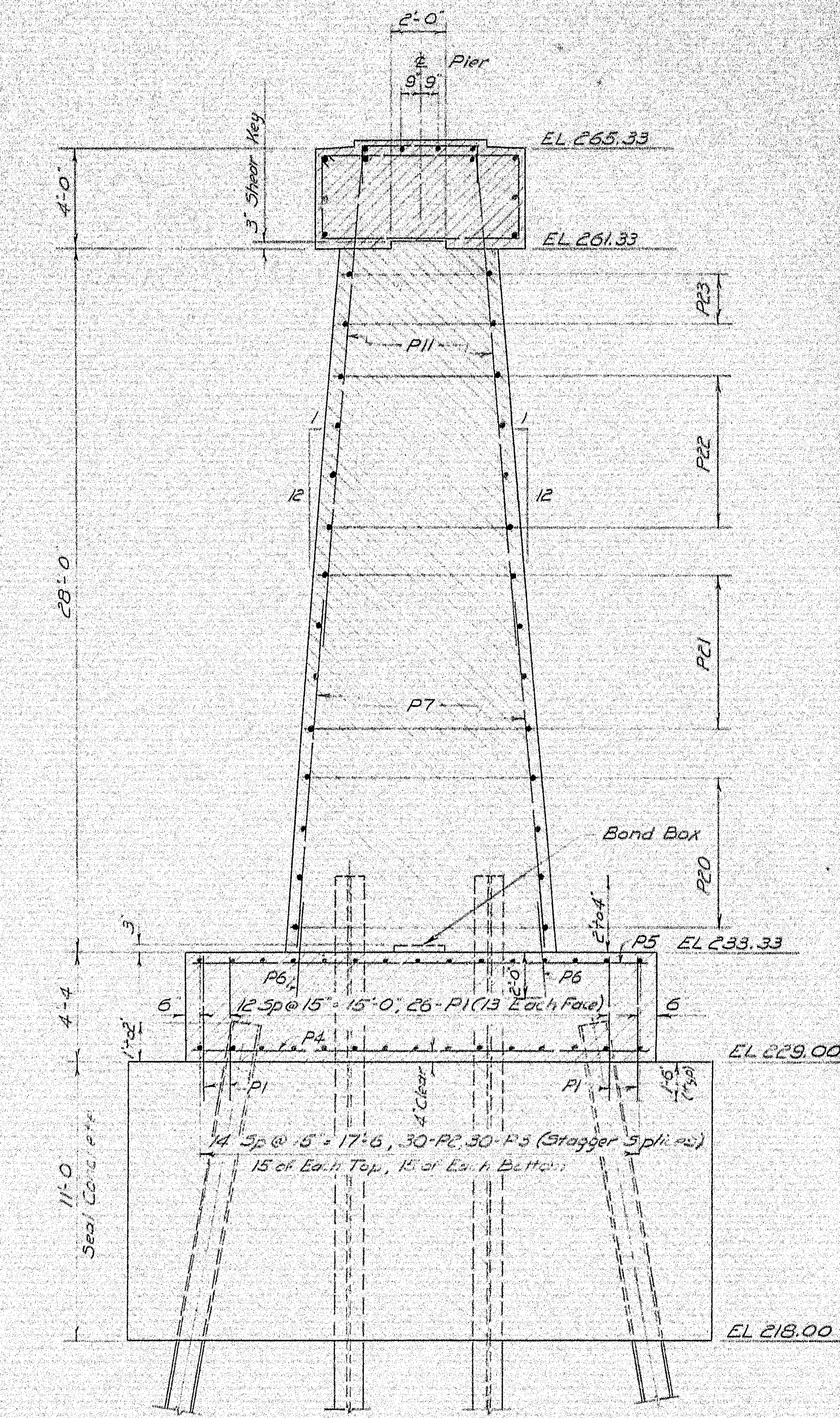
PILE NOTES - PIERS #2

Total Required: 64 - 14 BPB9
Actual Load per pile: 110 Tons
Piles P_2 extend into pier shaft. All others extend into distribution slab.
Estimated length of piles:

24 @ 40	NB
8 @ 45	
24 @ 40	
8 @ 45	SB

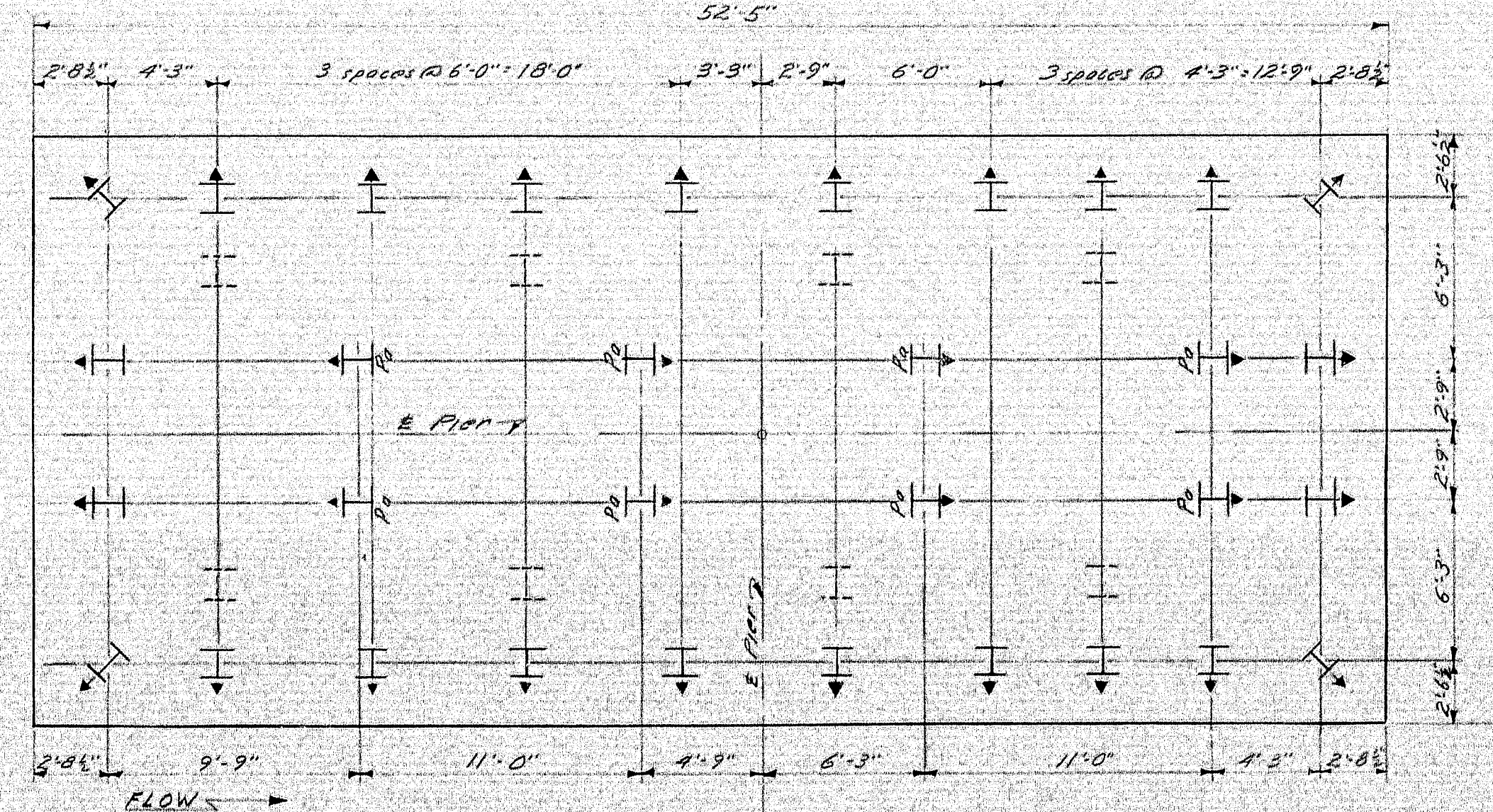
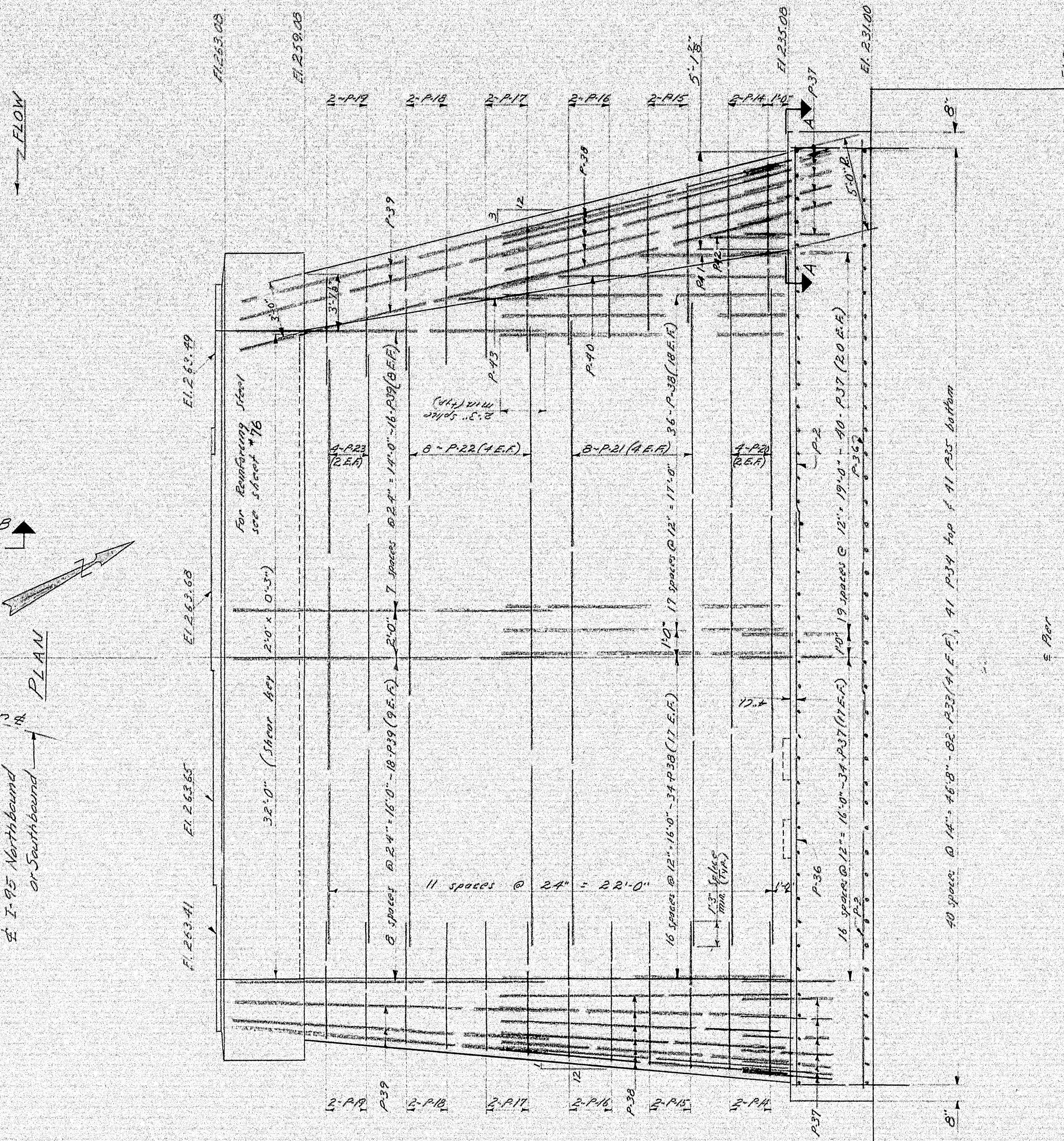
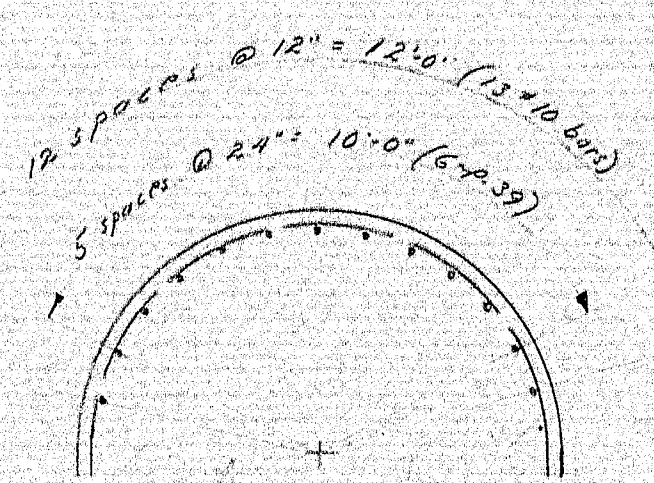
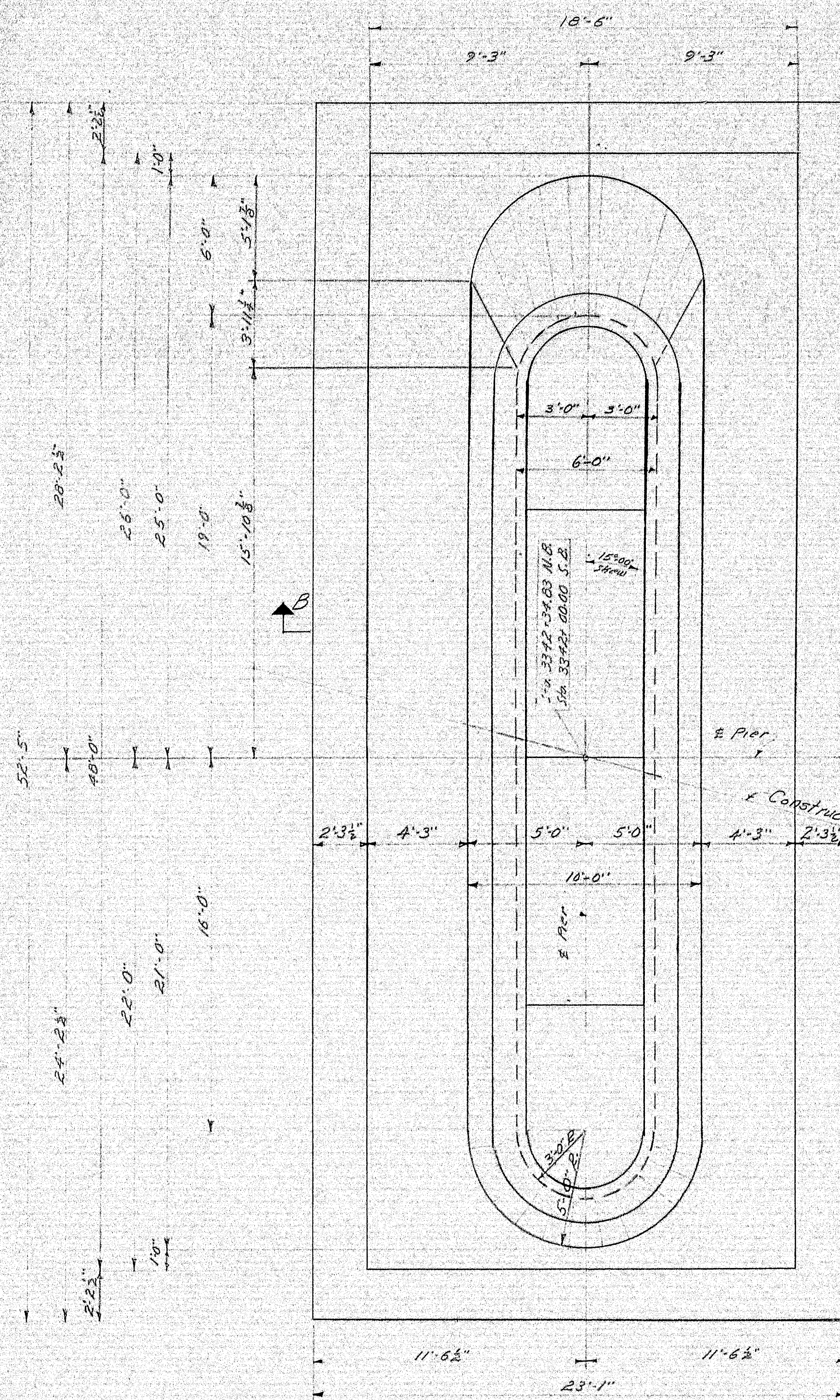
SECTION B-B

Note: For General Pier Notes and Pier Cap Details see Sheet #75.

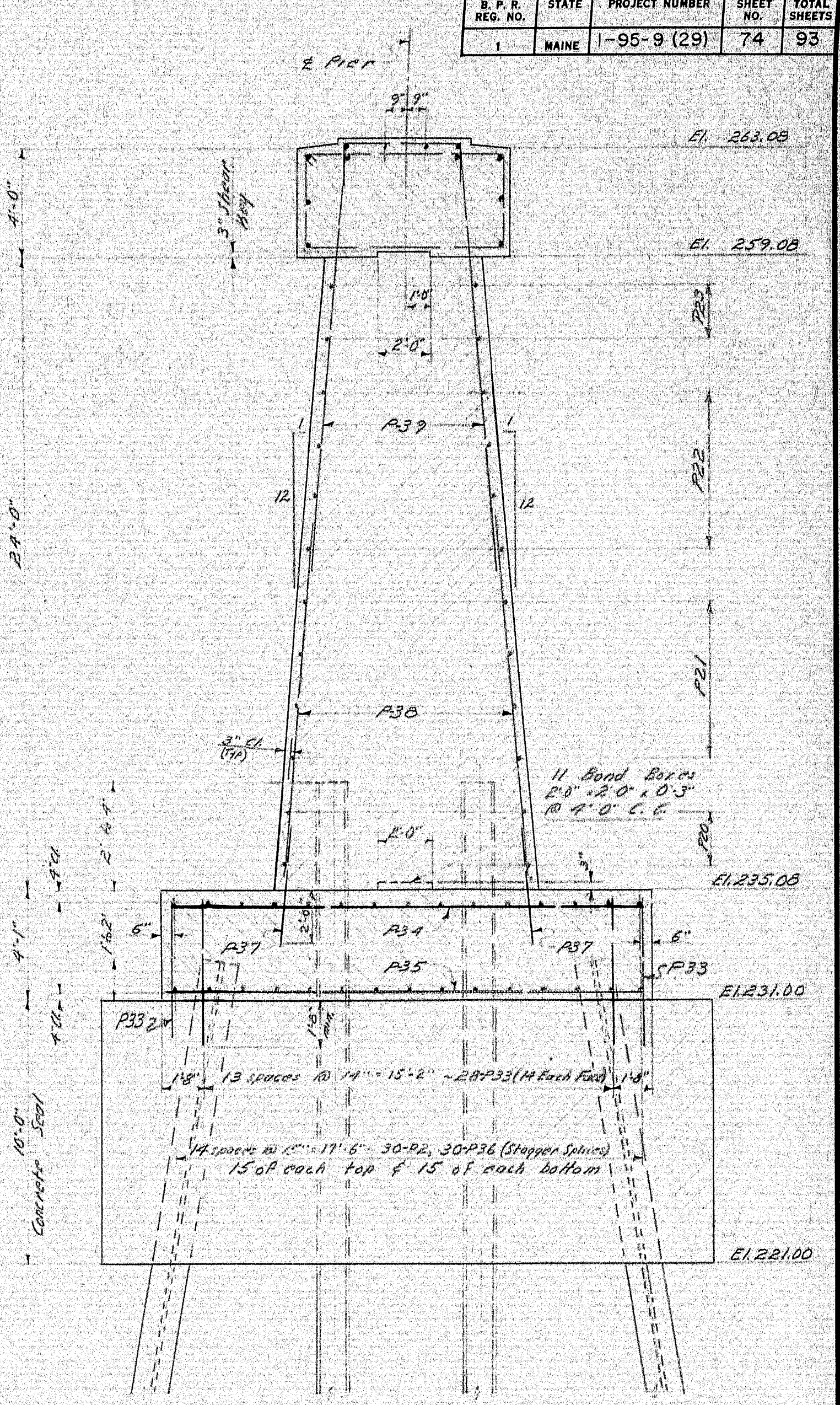


DESIGN - MCB	BRIDGE NO.
TRACE - HRO	SURVEY -
CHECK - HMM	PLAT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
INTERSTATE 95	
OVER	
PENOBSCOT RIVER	
IN THE TOWN OF	
MEDWAY	
PENOBSCOT COUNTY	
PIERS 2	
SHEET 73 OF 93	AUGUSTA, MAINE OCT. 1964

99-78



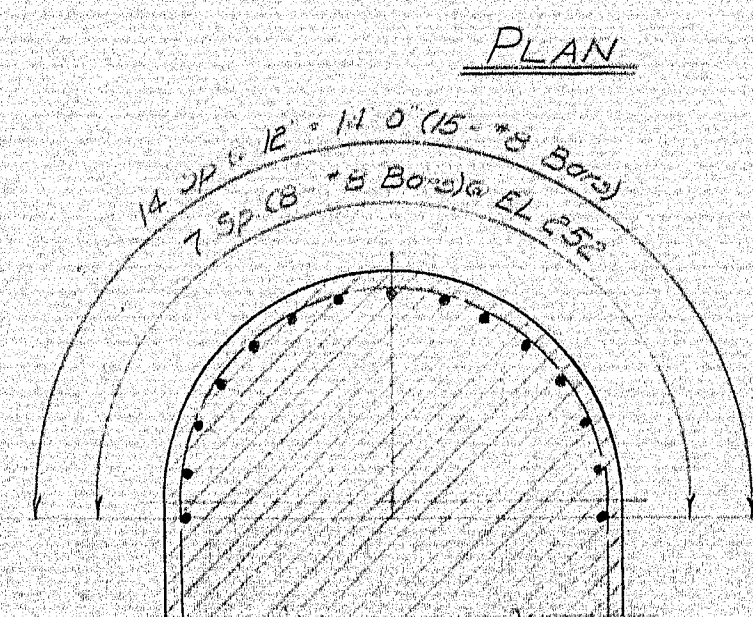
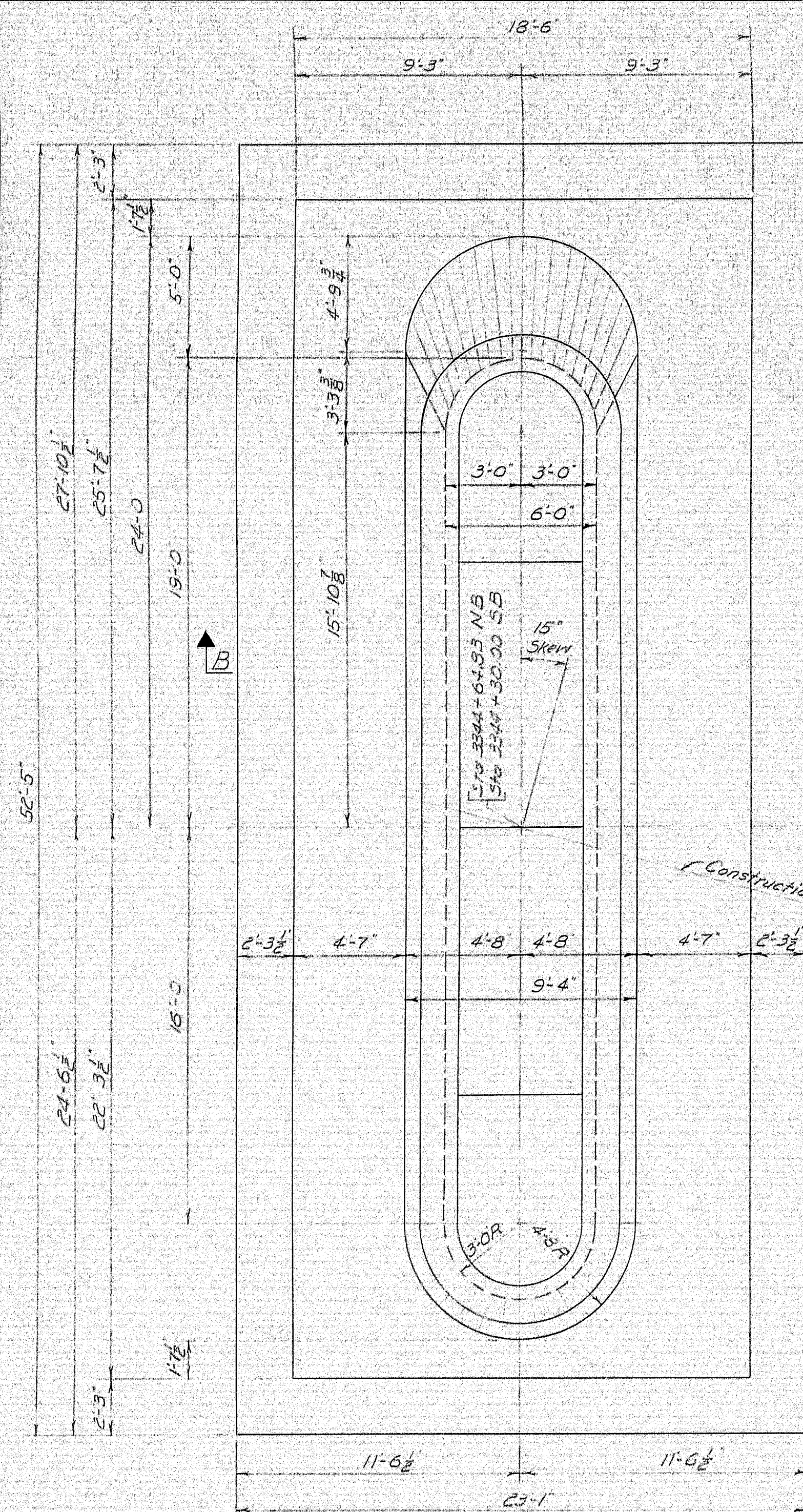
PILE NOTES - PIERS #3
 6d. HBBB Total Required
 Actual load per pile: 102 Tons
 Drive an extra pile in one of the indicated locations (I) as determined by the Engineer for each pile that can not be driven below ELEV 210.0. Extra pile not included in "Estimated Length of Piles."
 Piles to extend into Pier shaft. All others extend into distribution slab.
 Estimated length of piles:
 P₃₉ - 24 @ 48" NB
 P₄₀ - 8 @ 45" NB
 P₄₁ - 24 @ 45" NB
 P₄₂ - 8 @ 45" NB
 P₄₃ - 24 @ 45" NB
 P₄₄ - 8 @ 45" NB
 P₄₅ - 24 @ 45" NB
 P₄₆ - 8 @ 45" NB
 P₄₇ - 24 @ 45" NB



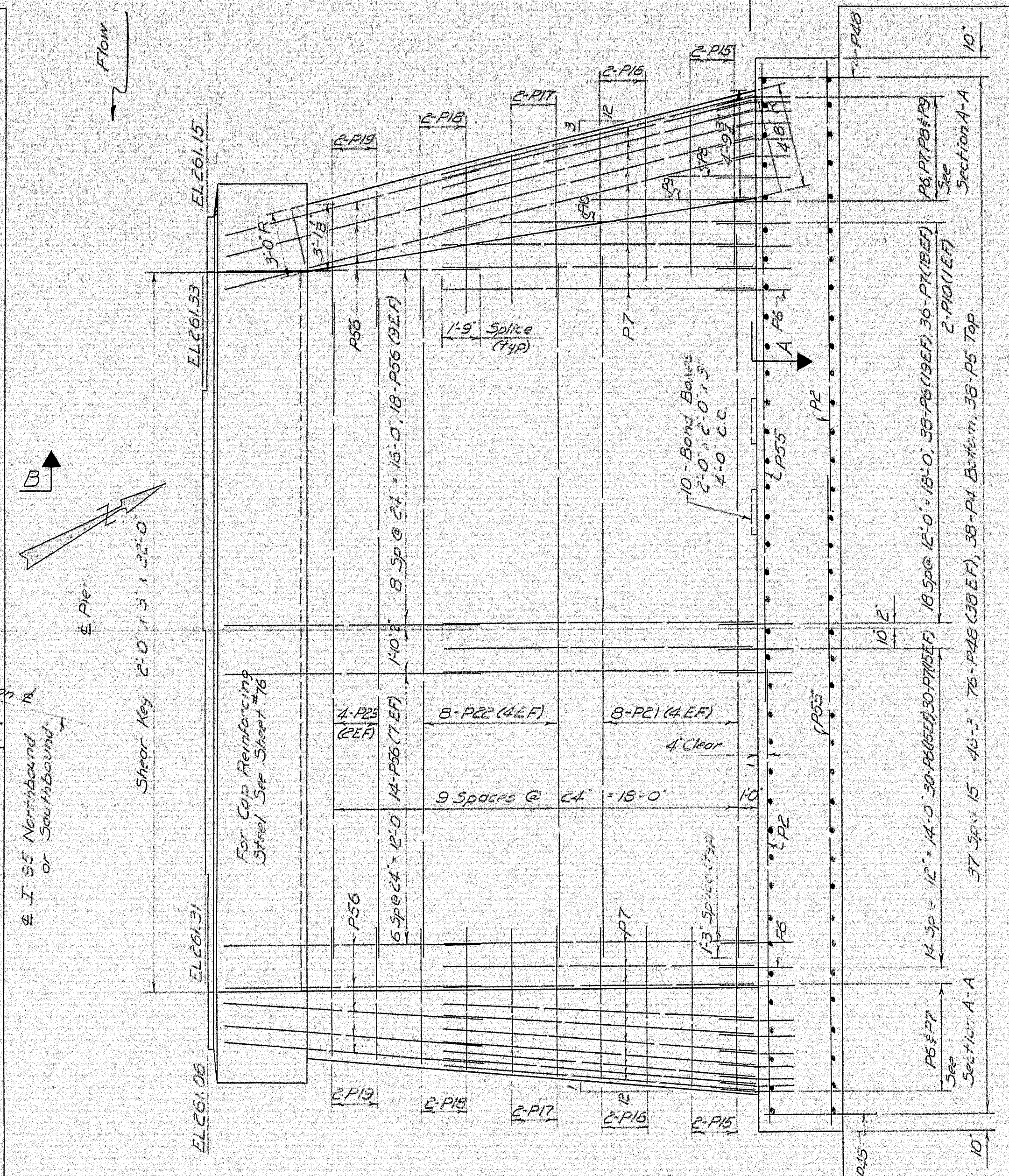
Note: For General Pier Notes and Pier Cap Details see Sheet #76.

DESIGN - M.E.P.	BRIDGE NO.
TRACE - C.M.	SURVEY -
CHECK - A.H.R.	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
INTERSTATE 95	
OVER	
PENOBSCOT RIVER	
IN THE TOWN OF	
MEDWAY	
PENOBSCOT COUNTY	
PIERS 3	
SHEET 74 OF 93	AUGUSTA, MAINE OCT. 1964

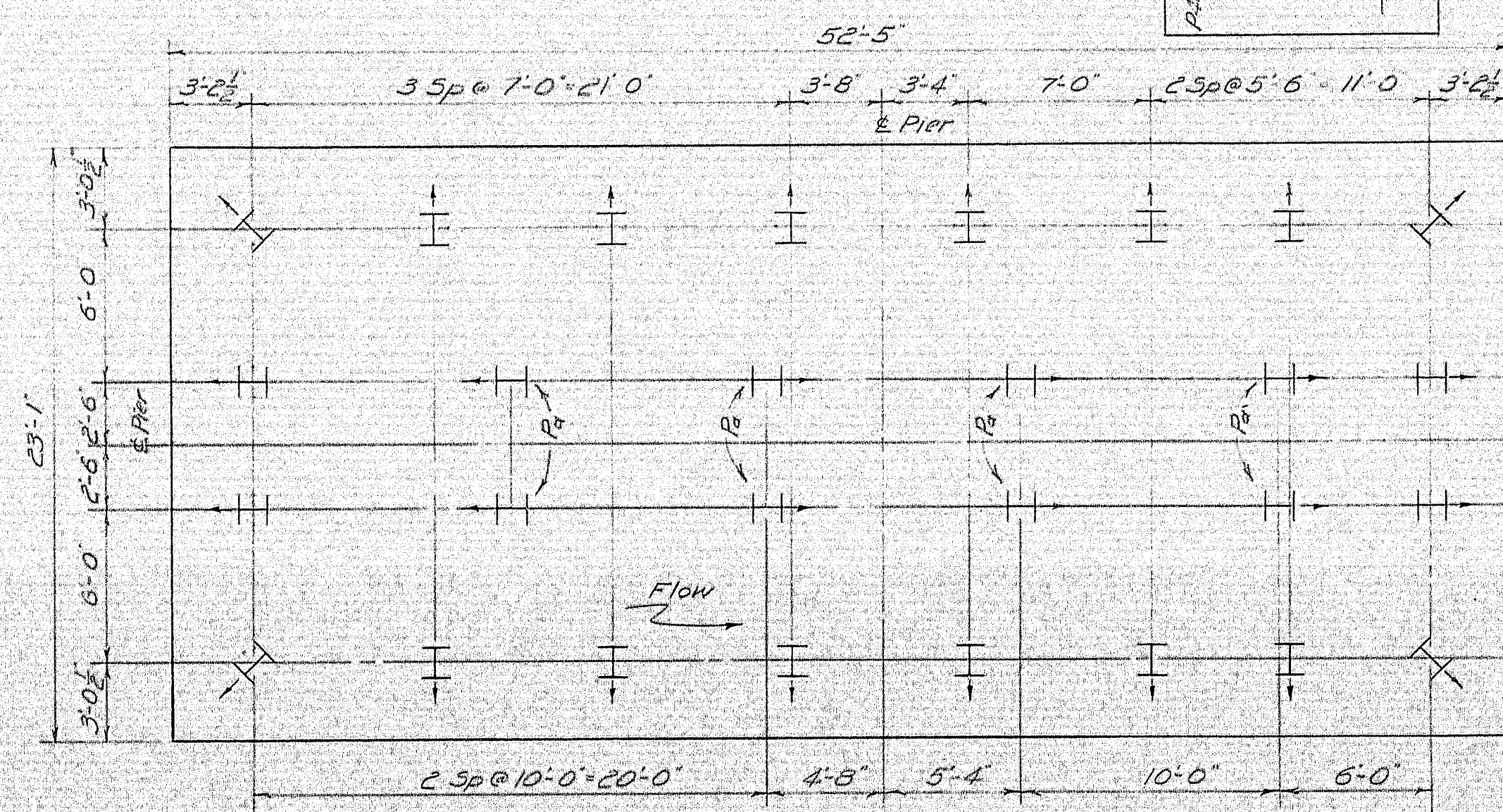
99-79



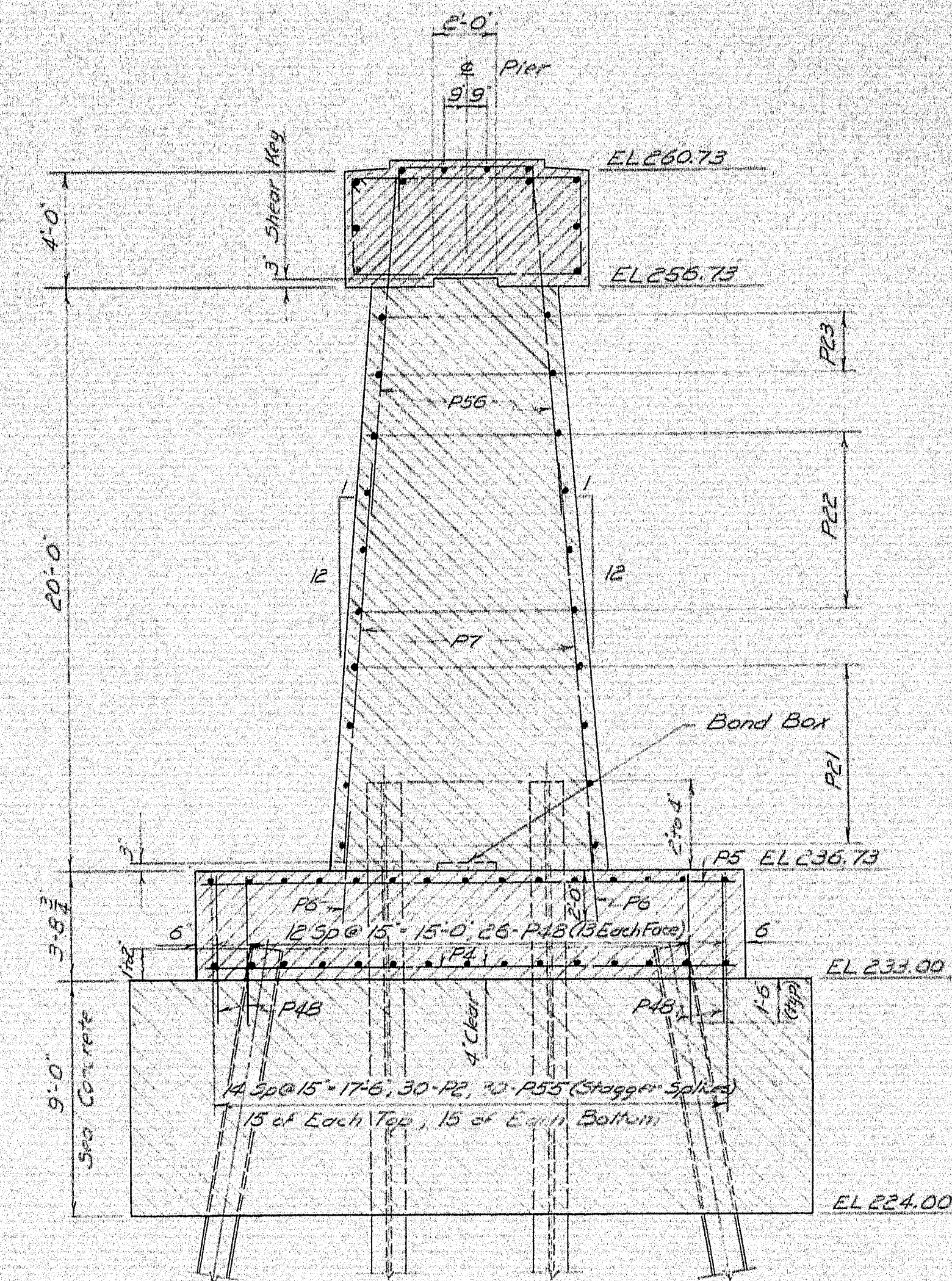
SECTION A-A
(Section Same for D.S. End)



SIDE ELEVATION



PILE PLAN
at Elevation 224.0



SECTION B-B

PILE NOTES - PIERS 4

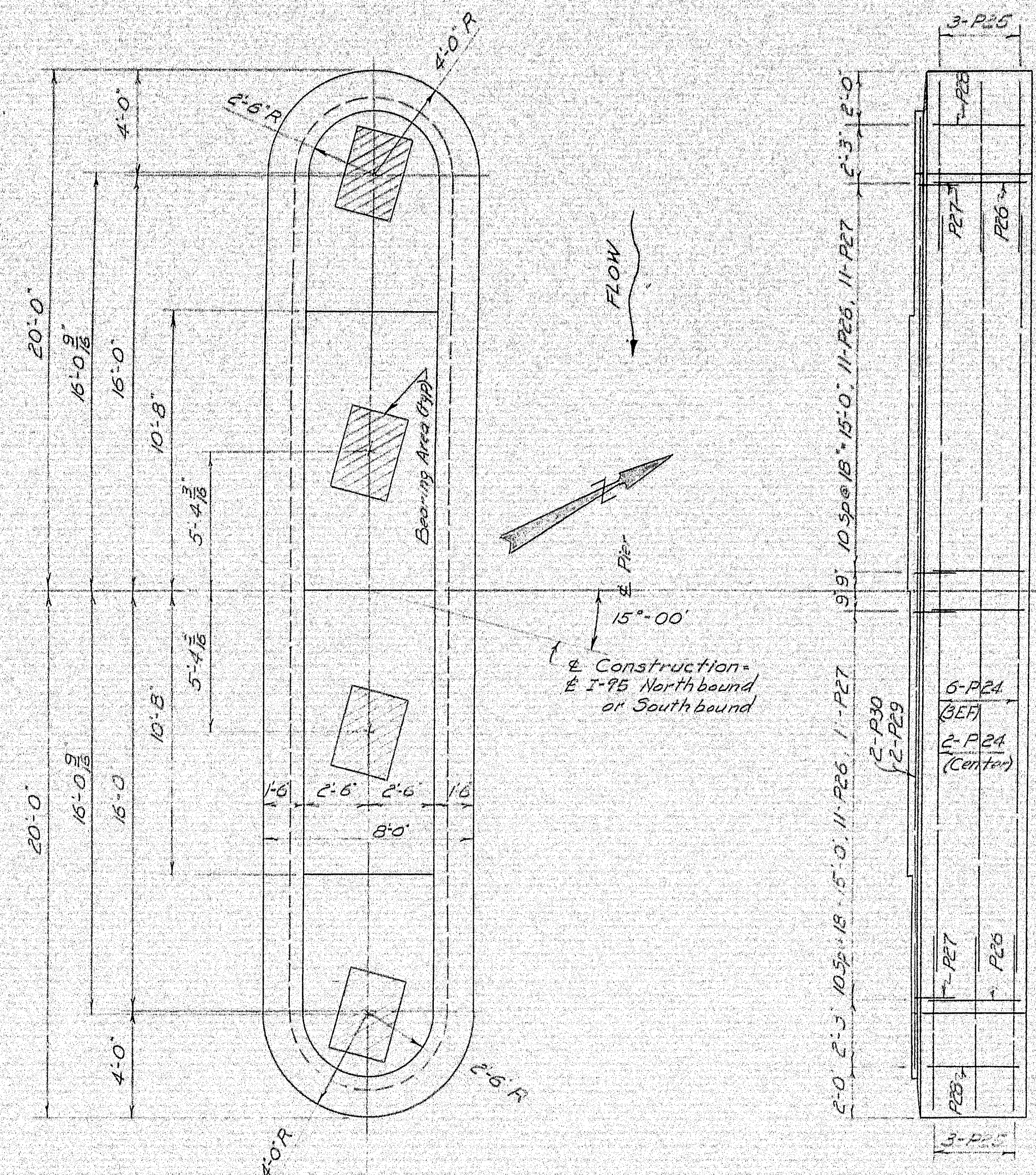
Total Required: 56 - 14BPB9
Actual Load per pile: 105 Tons
Piles P_2 extend into pier sheet. All others extend into distribution slab.
Estimated length of piles:

20 @ 40' - NB
8 - P_2 @ 45' - NB
20 @ 40' - SB
8 - P_2 @ 45' - SB

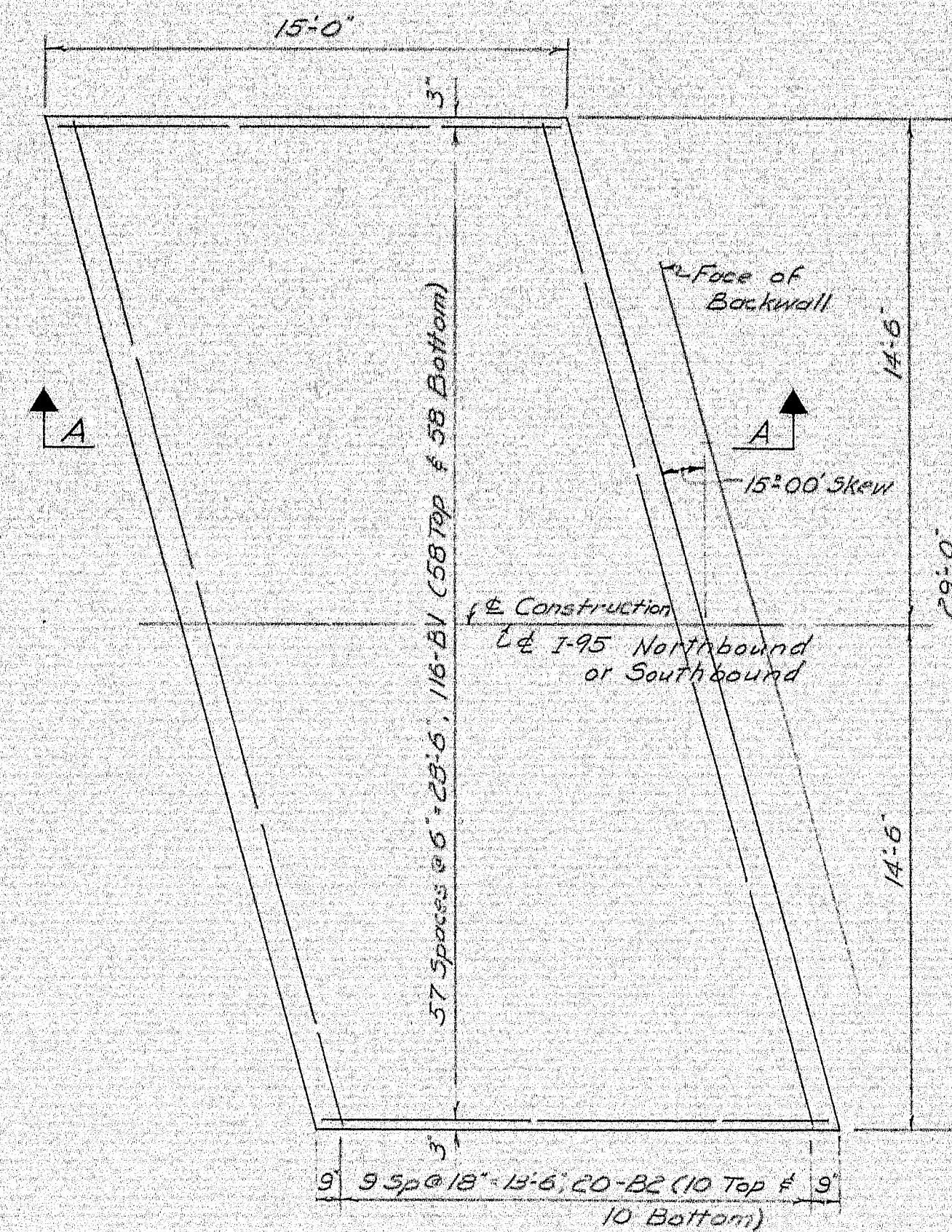
Note: For General Pier Notes and Pier Cap Details see Sheet #76.

DESIGN - MCR TRACE - N/A CHECK - MCR	BRIDGE NO. SURVEY PLOT
STATE HIGHWAY COMMISSION BRIDGE DIVISION INTERSTATE 95 OVER PENOBSCOT RIVER IN THE TOWN OF MEDWAY PENOBSCOT COUNTY PIERS 4	
SHEET 75 OF 93 AUGUSTA, MAINE OCT. 1964	

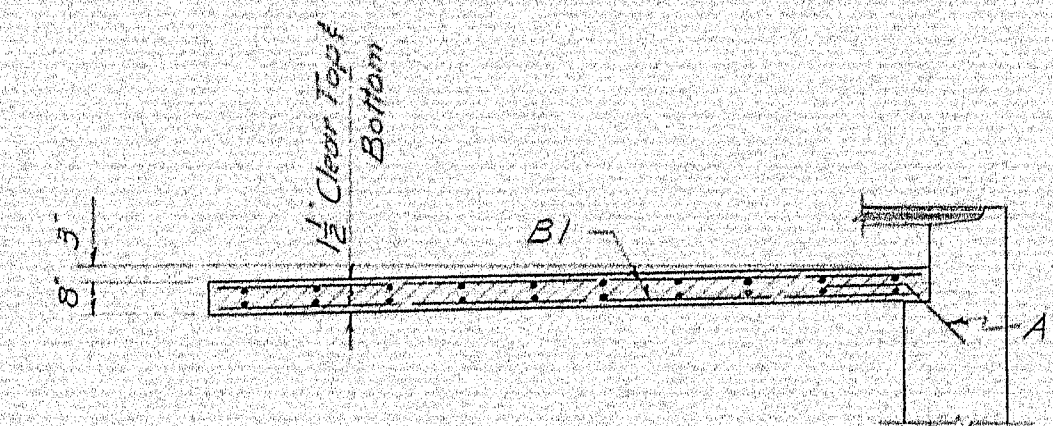
99-80



SIDE ELEVATION



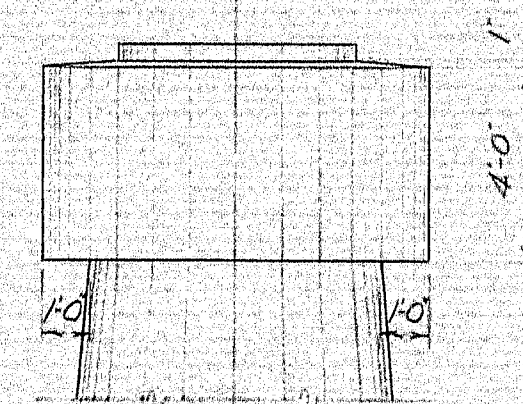
PLAN



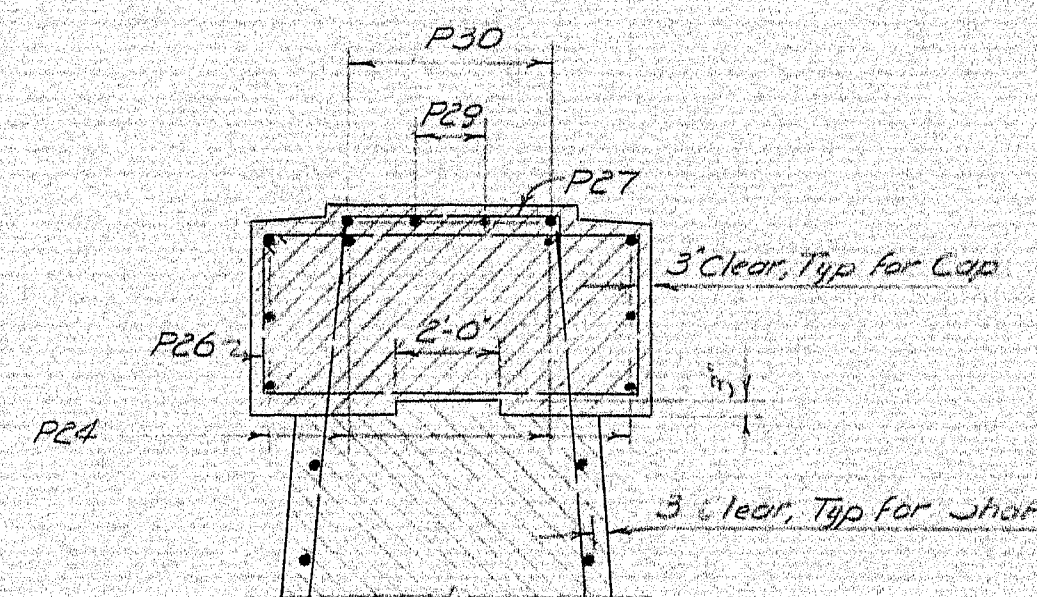
SECTION A-A

APPROACH SLAB DETAILS
 Abutment #1 shown. Rotate 180° for Abutment #2.
 Approach Slab concrete to be paid for under Item # 701-33
 R.C.C., Abutments & Retaining Walls. Northbound & Southbound Approach Slabs are identical.

PLAN



END ELEVATION



CAP SECTION


PIER CAP DETAILS

PIER NOTES

DESIGN CRITERIA

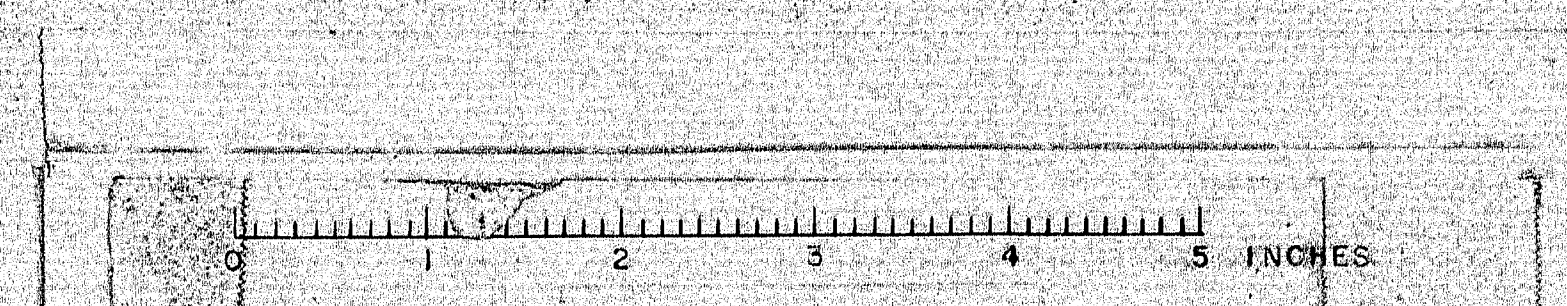
Buoyancy - Water level assumed at EL 240 and EL 250.
 Stream Flow - Velocity of 10 ft per sec skewed at 15° to longitudinal center line of pier, and water level at EL 240 and EL 250.
 Wind - 100 m.p.h.
 Coefficient of Friction in Expansion Pedestals - 15 percent.
 Ice - One foot thick skewed at 15° to longitudinal center line of pier, and water level at EL 240 and EL 250. (Ice pressure = 400 p.s.f.)
 Seal Depths - Seals may be unwatered when water level outside of cofferdam is not in excess of EL 240.
 Maximum Pile Load - 9000 psi of point area.

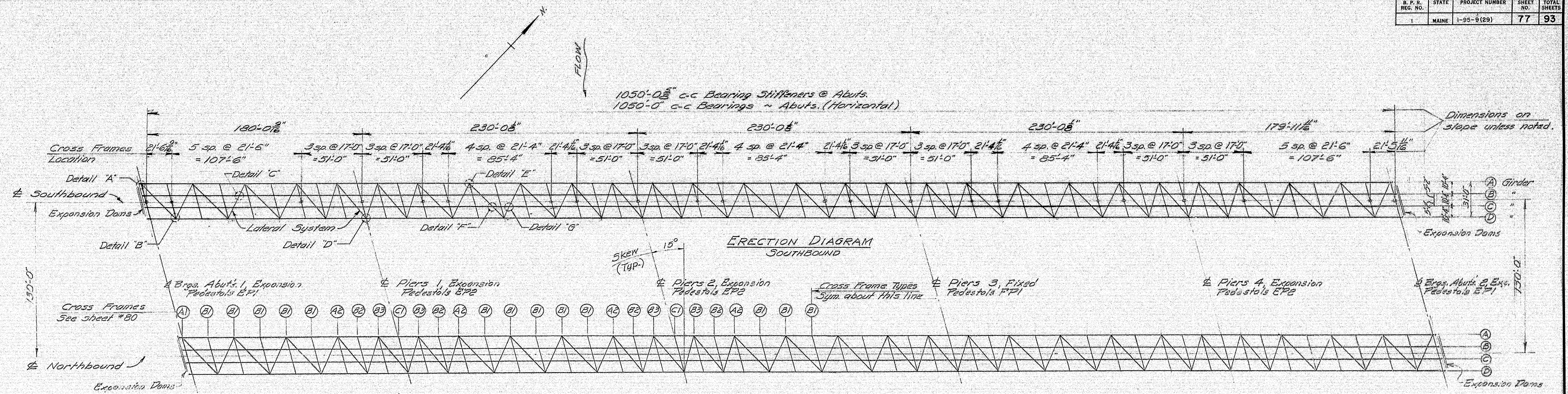
GENERAL

Reinforcing cover 5" unless otherwise noted.
 Place reinforcing steel in pier caps to clear anchor bolts.
 Seal concrete dimensions are predicated on use of MP-116, DP-2, I-27, or equivalent steel sheet piling with appropriate standard rolled corners. Pay dimensions for seal concrete shall be neat lines, plus 5 inches all around.
 Seal concrete is intended to be placed under water and to be paid for under Item # 701-36.
 Payment for drilling and grouting doweled into concrete seal shall be incidental to Item 701-14.
 Pile lengths are based on ledger elevations indicated by soils investigation. Piles to be driven to ledge or practical refusal.
 Allowable load per pile = 118 Tons.
 Piles marked thus  shall be battered 2 inches per foot in the direction of arrow.
 Abbreviations - EF = Each Face, DS = Down Stream, SB = Southbound, NB = Northbound.
 Northbound & Southbound Piers are identical except for stationing.

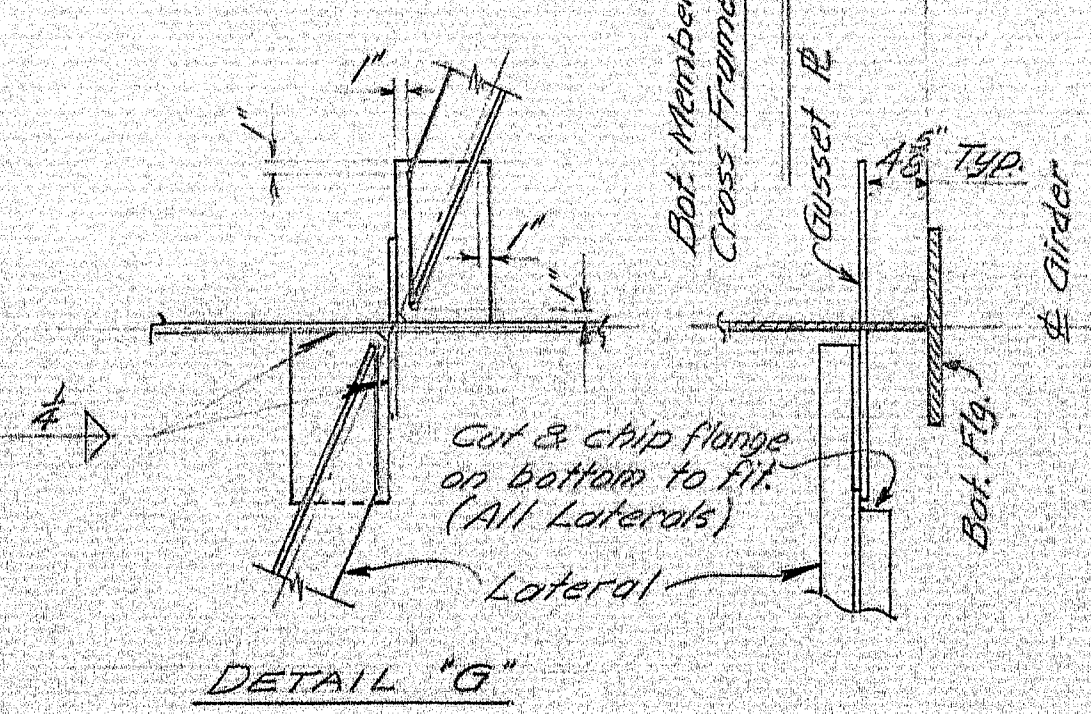
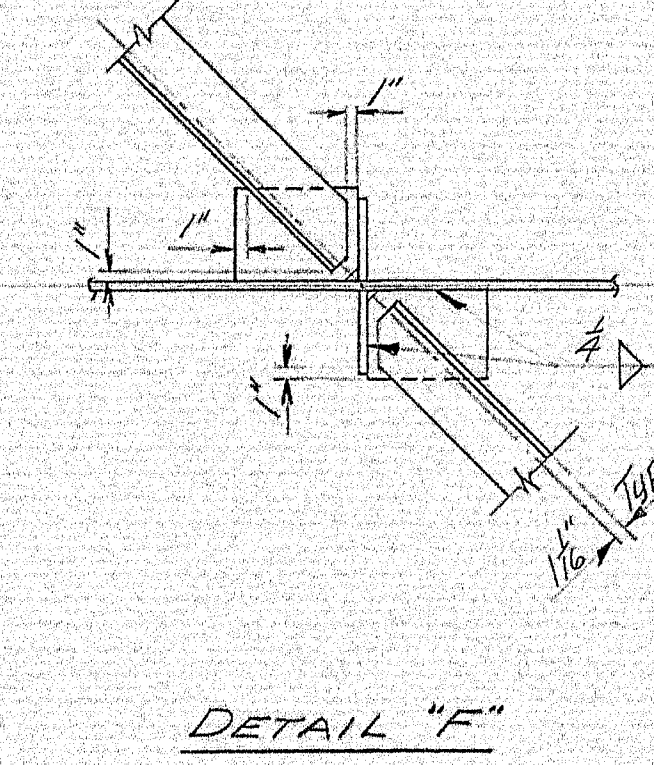
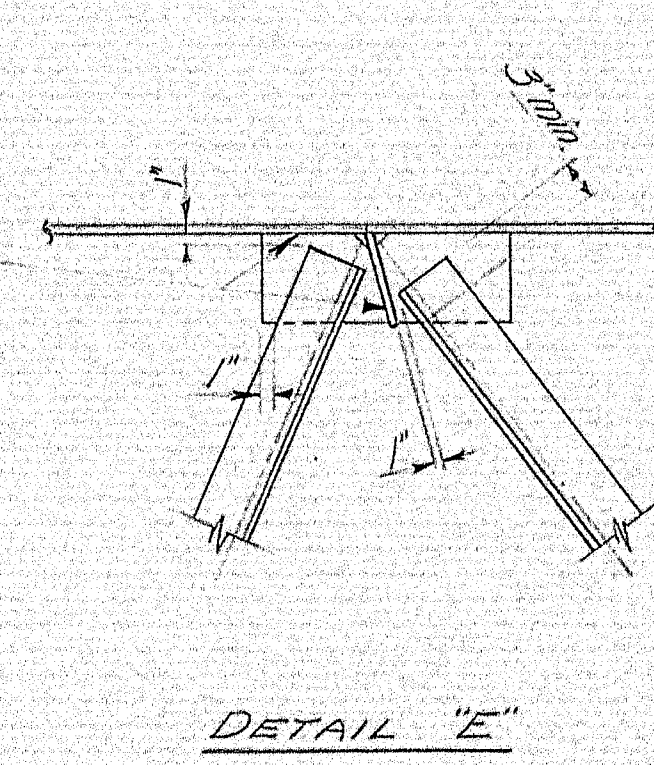
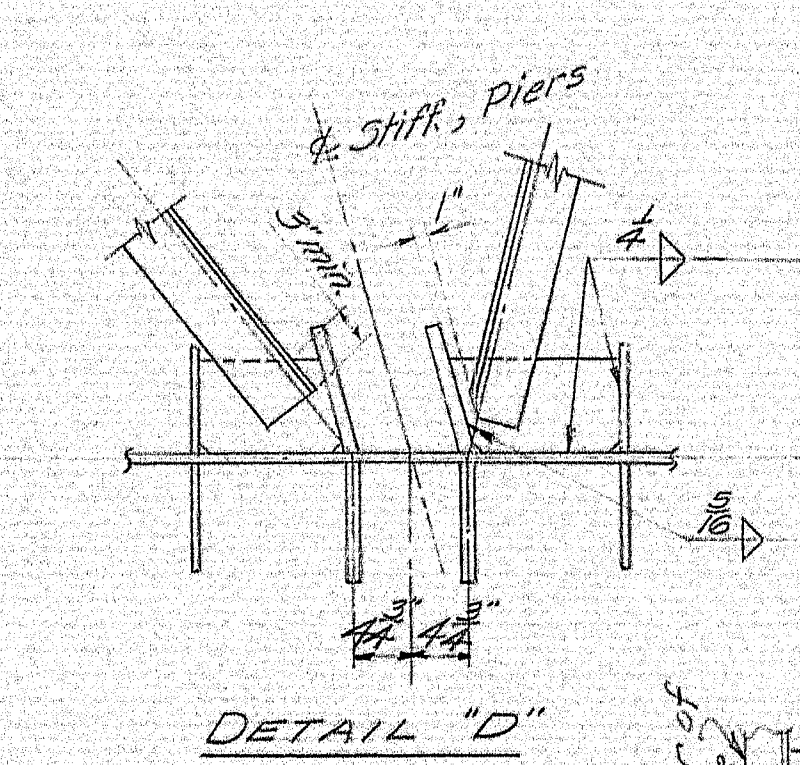
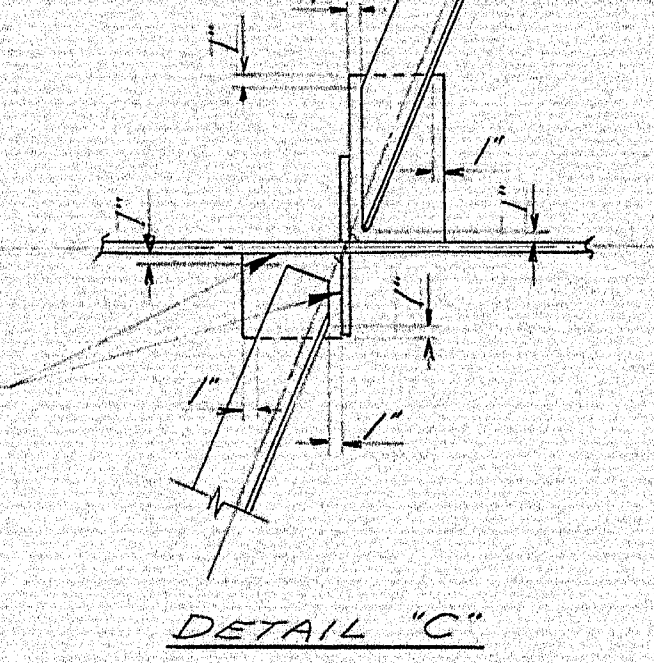
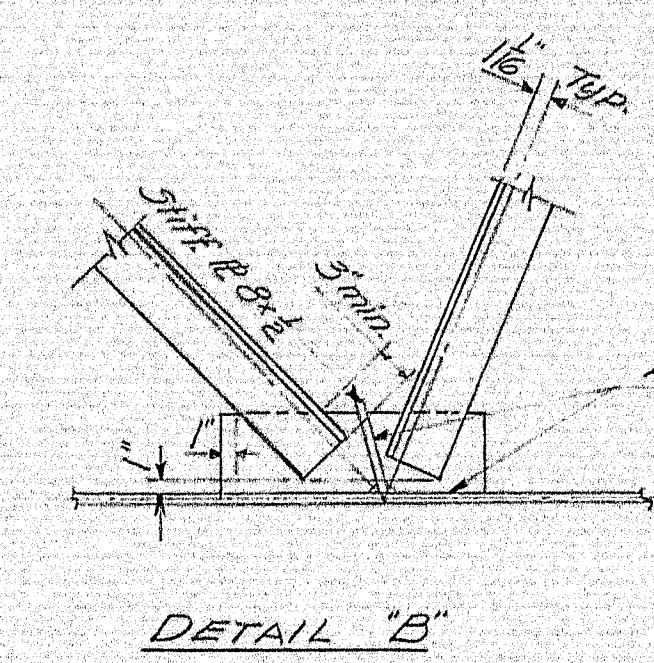
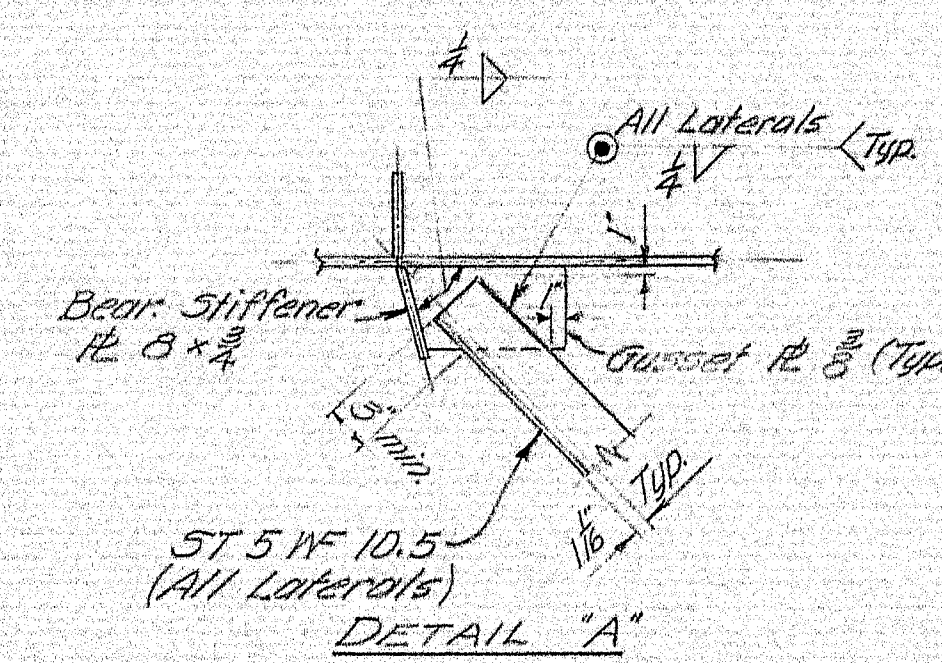
DESIGN - M.C.R. TRACE - H.R.O. CHECK - A.H.A.	BRIDGE NO. SURVEY PLOT
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
INTERSTATE 95	
OVER	
PENOBSCOT RIVER	
IN THE TOWN OF	
MEDWAY	
PENOBSCOT COUNTY	
PIER CAPS & APPROACH SLABS	
SHEET 76 OF 93 AUGUSTA, MAINE OCTOBER 1964	

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ERECTION DIAGRAM
NORTHBOUND
NOTE: Same as for Southbound



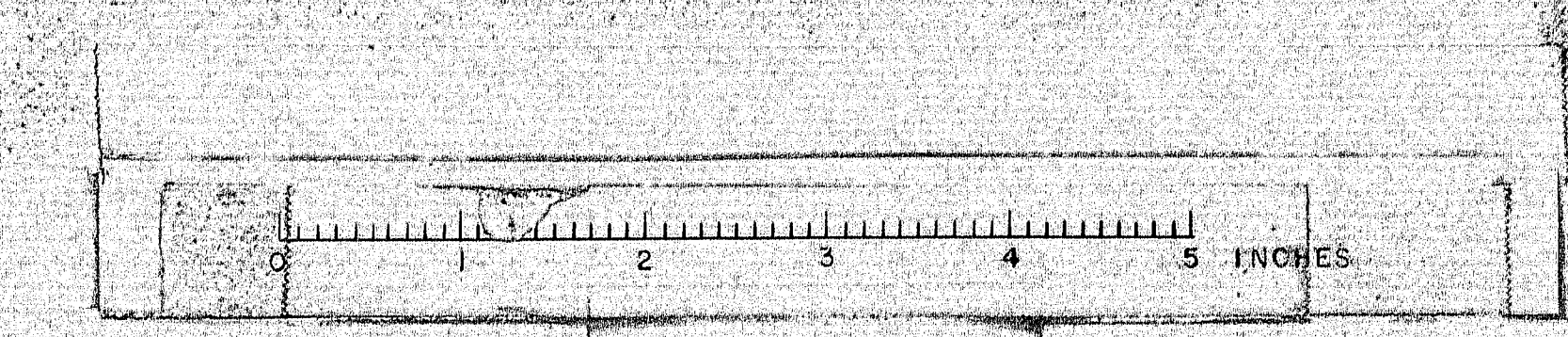
LATERAL SYSTEM DETAILS
NOTE: Cross Frames not shown.
Lateral connections not shown are similar to details as shown.
All Lateral System Members ST 5 WF 10.5
All Lateral System Gussets 12 B
Connections to be detailed, to provide a minimum of 15" downhand field fillet weld.

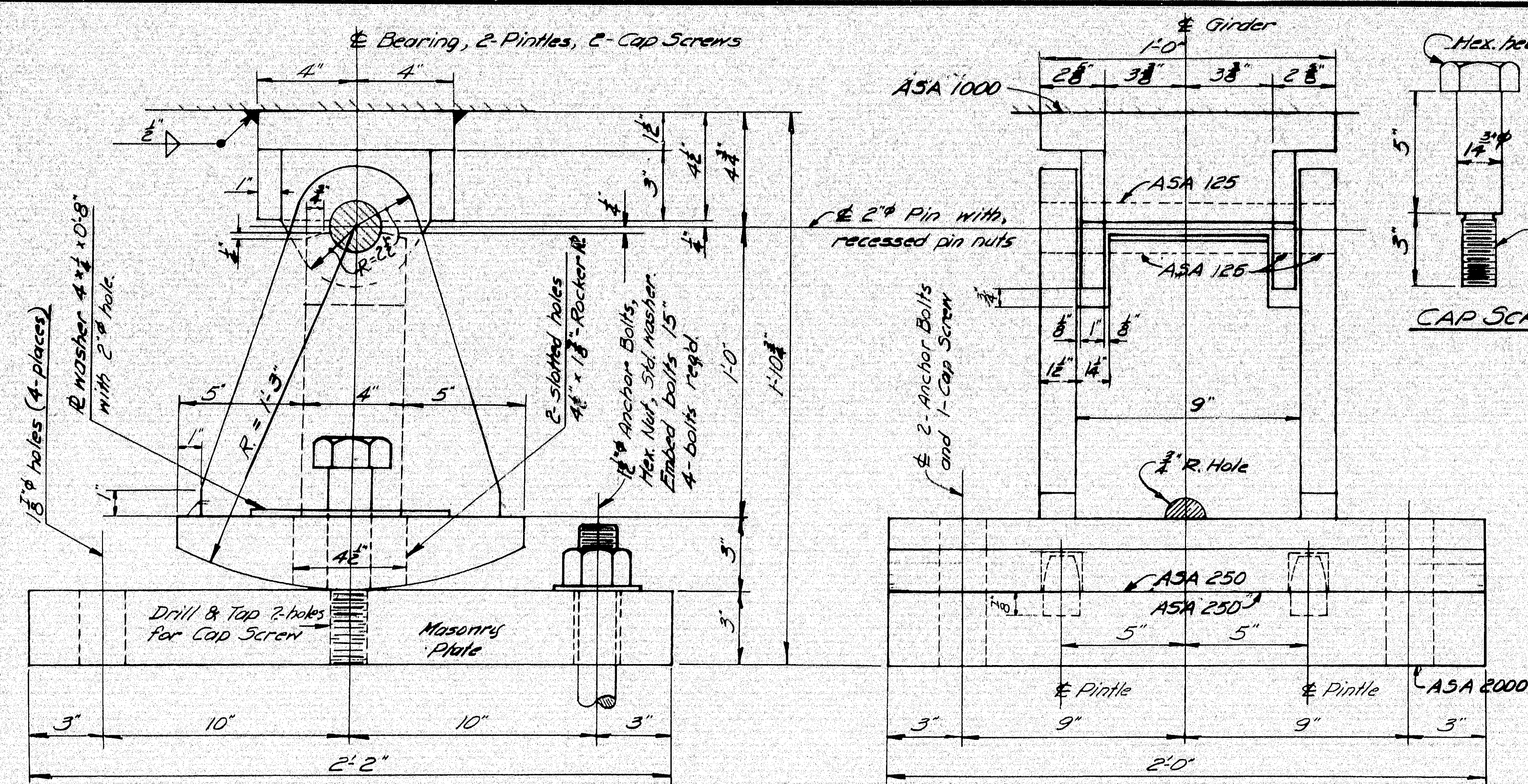
GIRDER FABRICATION NOTES
The steel fabricator at his option may fabricate the web plates with butt welds with the following limitations:
A. A maximum of 2 transverse welds in the A36 sections per girder per span.
B. A maximum of 1 transverse weld each side of the 2 of Bearings at a minimum distance of 10'-0" from the 2 of Bearings and 1 longitudinal weld in the A441 sections per girder per span.
If butt welds are used to fabricate the web plates, the locations and details shall be shown on the shop detail drawings.
Girders are to be cambered in accordance with the camber shown.
Girders are to be fitted with Shear Connectors in accordance with the details shown.

STRUCTURAL STEEL NOTES
For Structural Steel Classification see General Plan and Section 1, sh. 65
For Details see shs. 82, 83 and Standard Details BD 104-04.
For Expansion Joints see Standard Details BD 105-04 and as follows:
At Abutment 1-Southbound/Expansion
3-Subway Expansion Joints Type D
2-Curb Expansion Joints Type V
At Abutment 2-Southbound/Expansion
2-Roadway Expansion Joints Type B
4-Curb Expansion Joints Type W

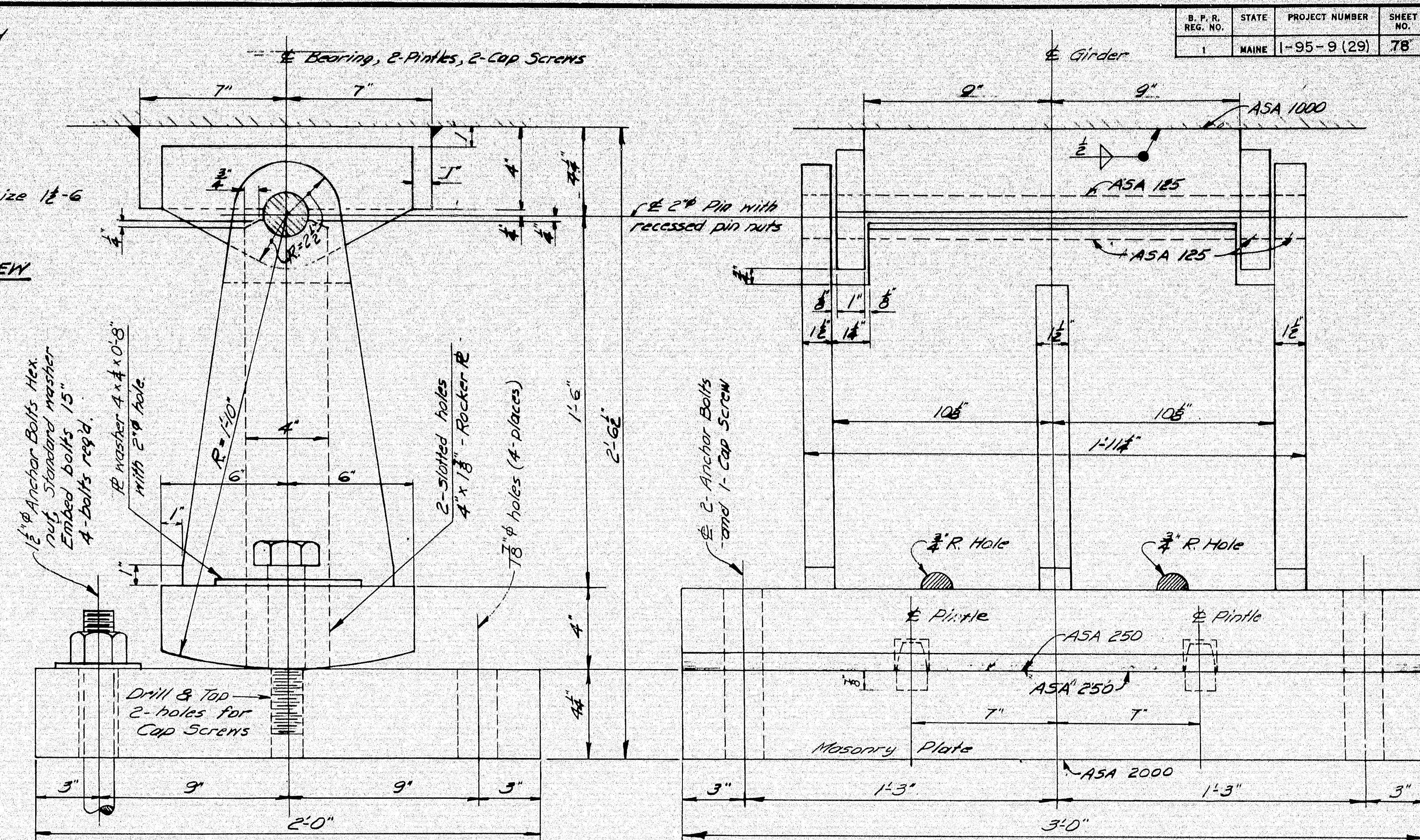
DESIGN-M.C.R. TRACE-G.W.C. CHECK-A.H.P.	BRIDGE NO. SURVEY- PLOT-
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
INTERSTATE 95 OVER PENOBSCOT RIVER IN THE TOWN OF MEDWAY PENOBSCOT COUNTY ERECTION DIAGRAM SHEET 77 OF 93 AUGUSTA, MAINE OCTOBER 1964	

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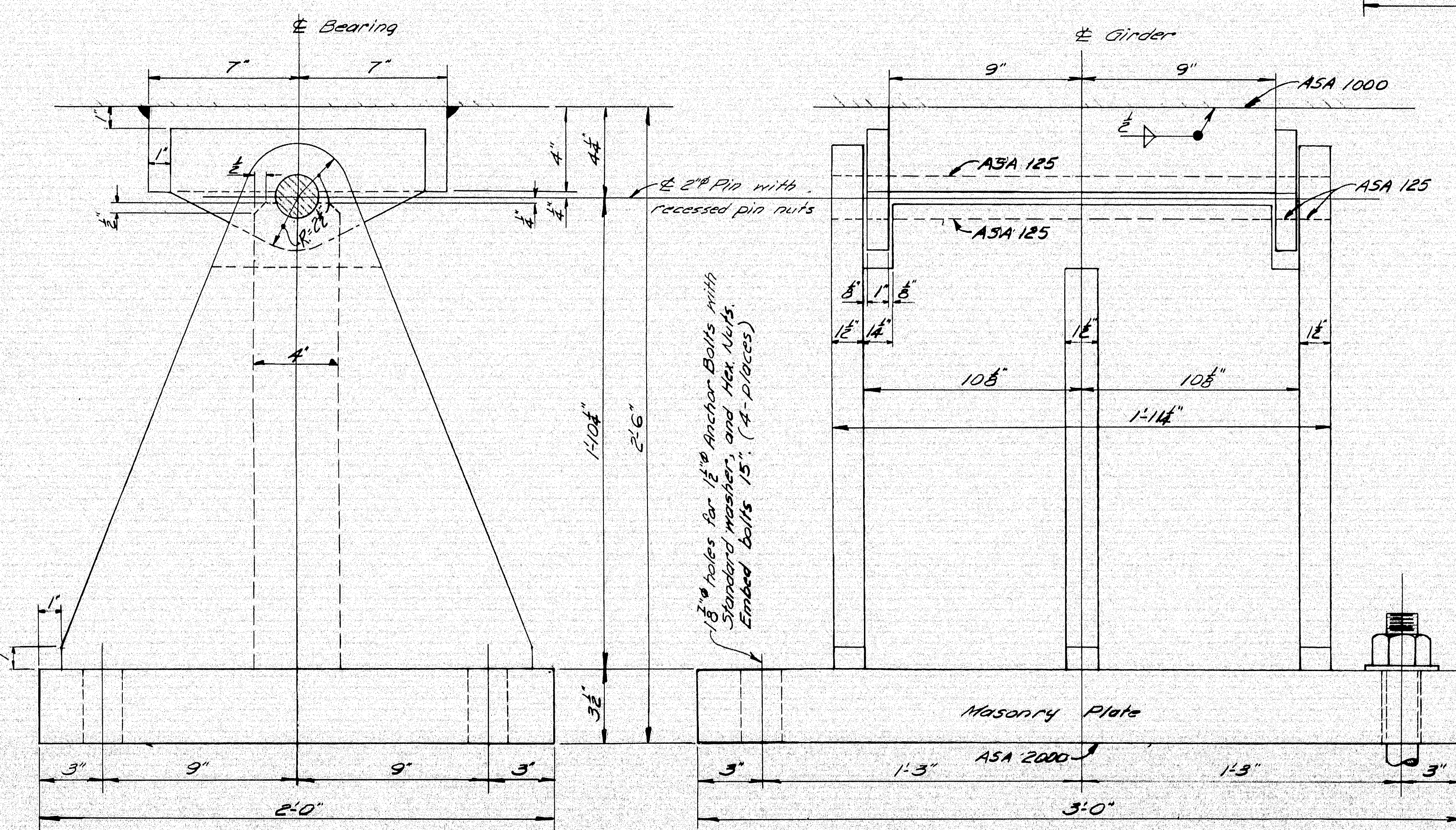




EXPANSION PEDESTAL EPI - ABUTMENTS
 8 Regd. Southbound
 8 Regd. Northbound

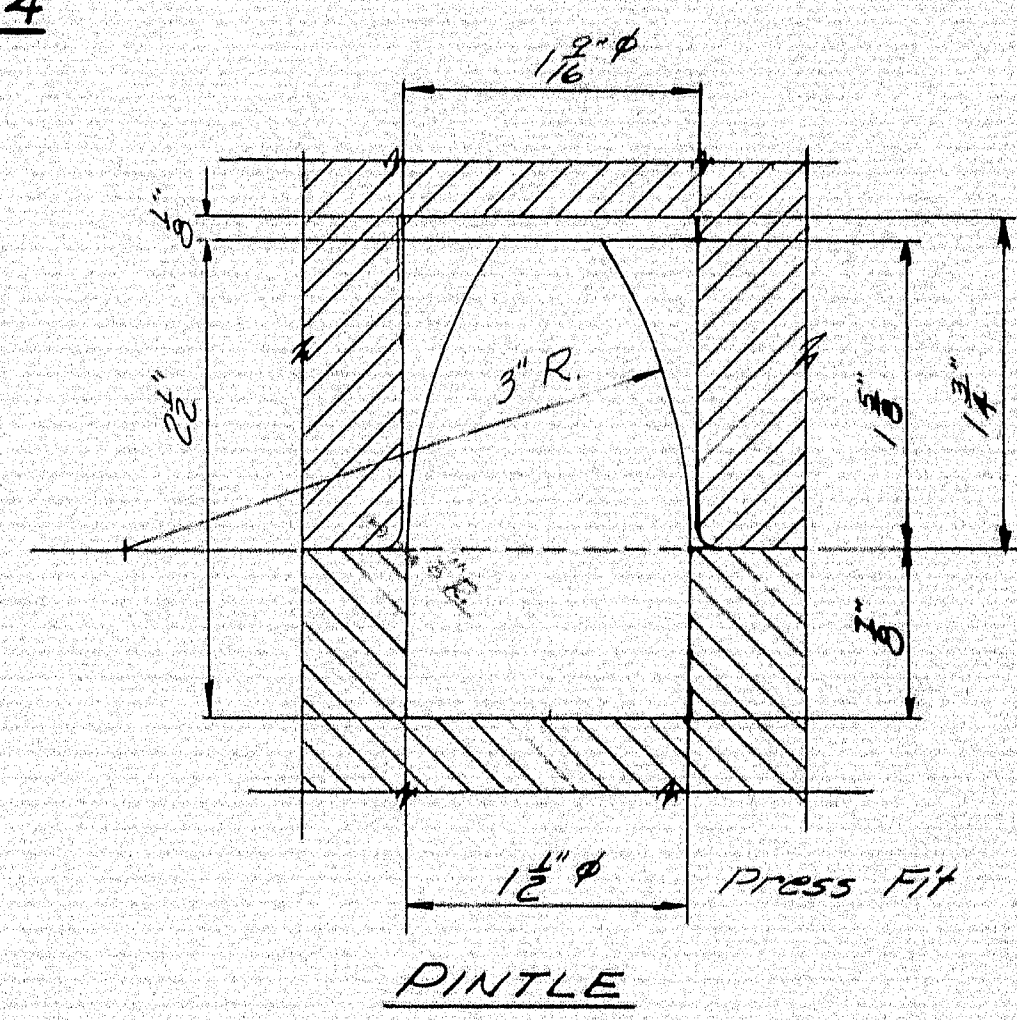


EXPANSION PEDESTAL EP2 - PIERS 1, 2 & 4
 12 Regd. Southbound
 12 Regd. Northbound



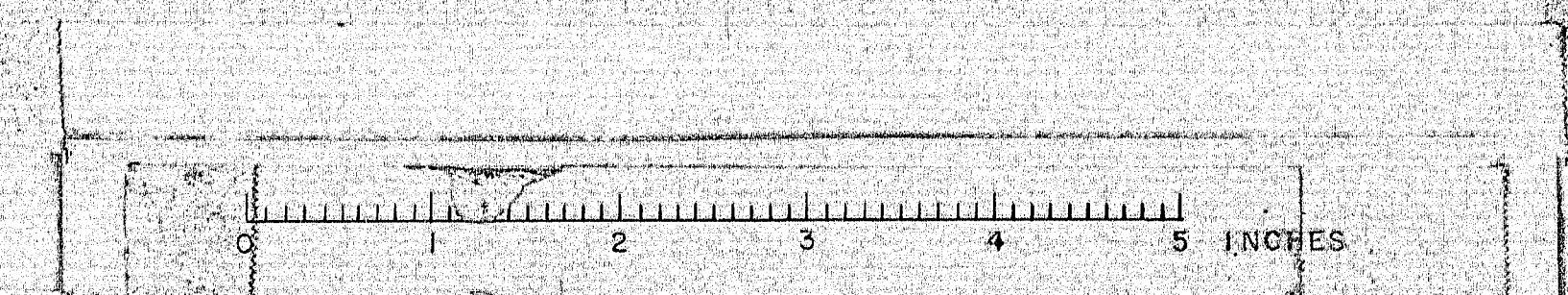
FIXED PEDESTAL FPI - PIERS 3
 4 Regd. Southbound
 4 Regd. Northbound

GENERAL NOTES
 Material for two structures, Northbound & Southbound
 Fabricate pedestals with 1/2" fillet shop welds.
 At the location of bearing pedestals the concrete bridge seats shall be dressed one inch larger all around than size of masonry plates and to exact elevations shown on the plans. If the dressed areas are below the surrounding bridge seat a small channel shall be cut to the edge of the bridge seat for drainage where required by the Engineer. Channels shall have a minimum width of 2" and a minimum slope of one half inch per foot. No separate payment for this work will be made as it shall be considered incidental to contract items.

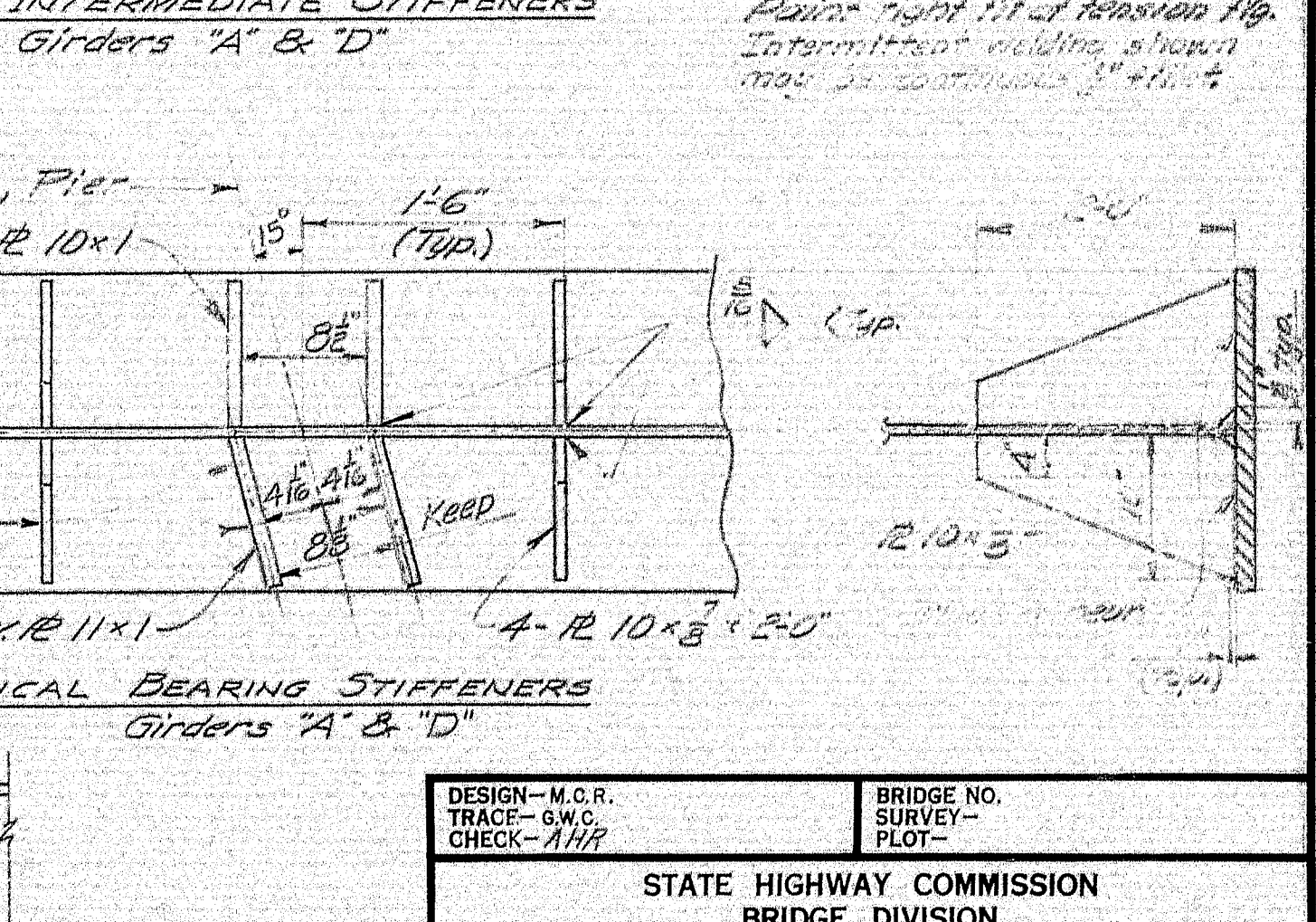
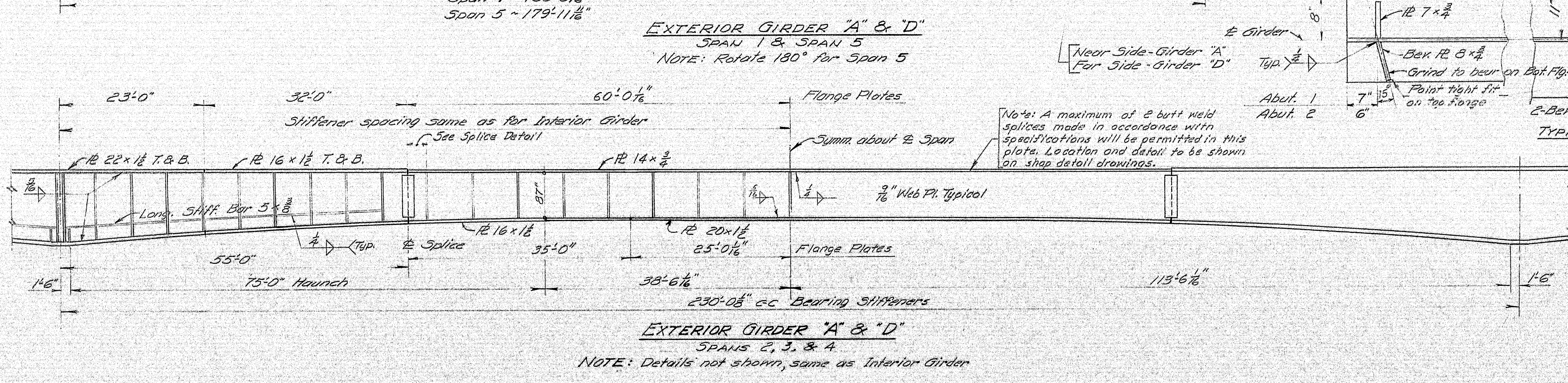
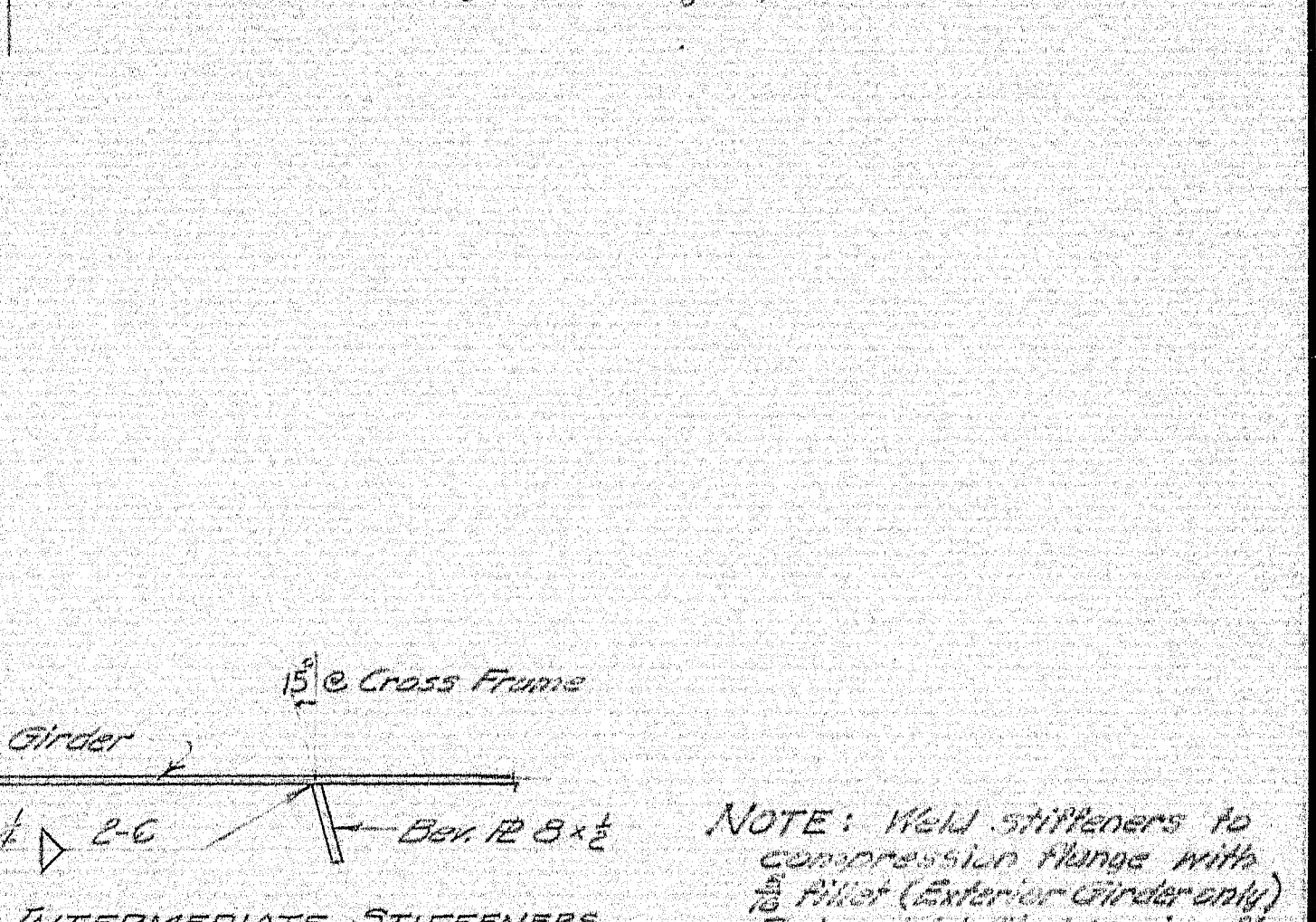
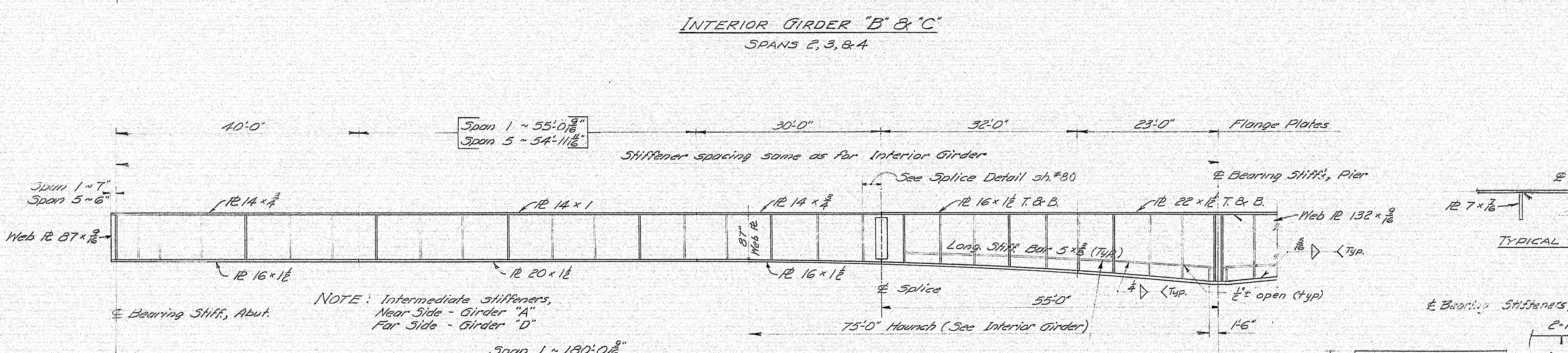
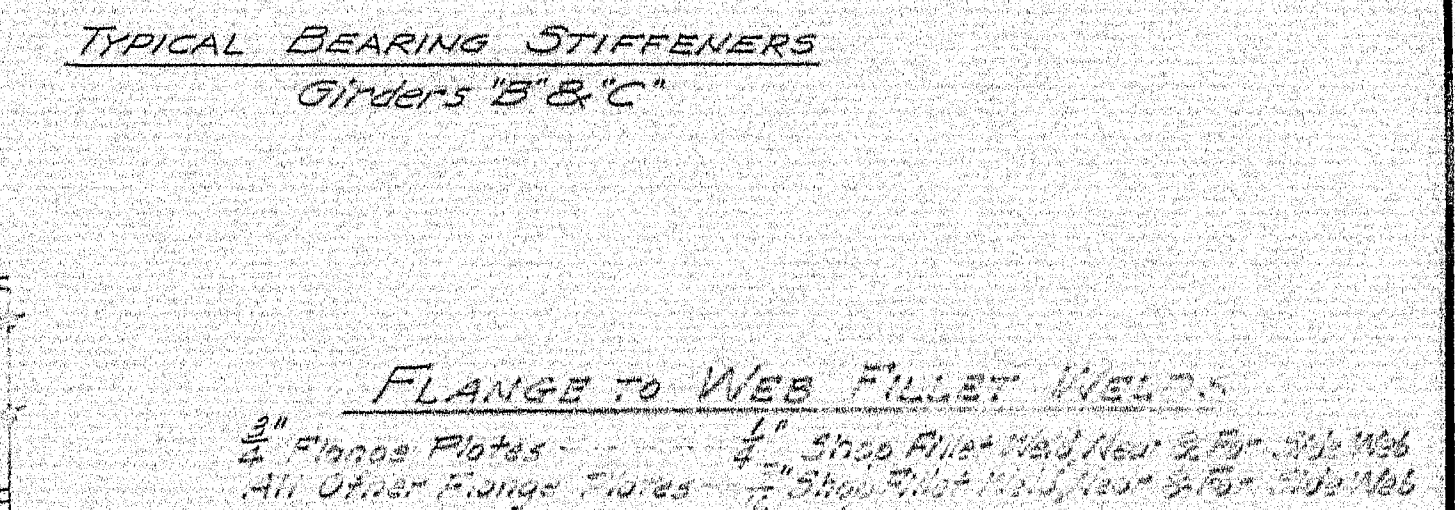
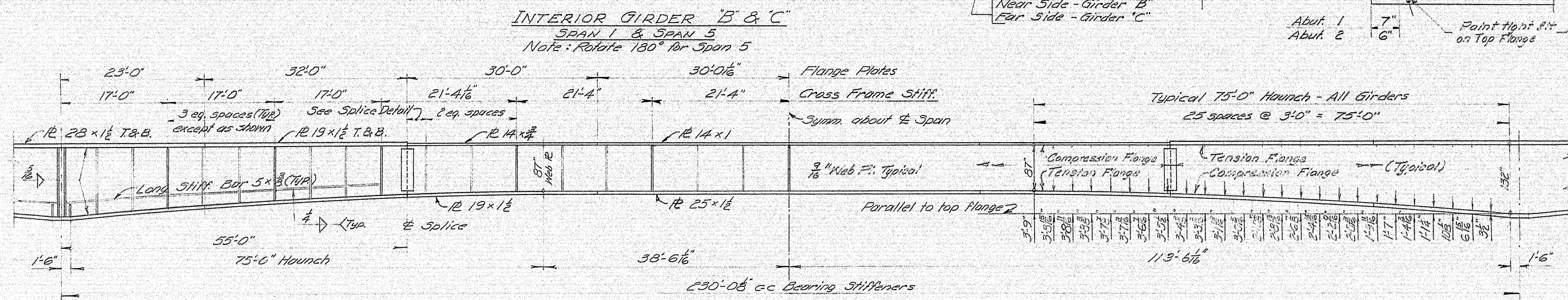
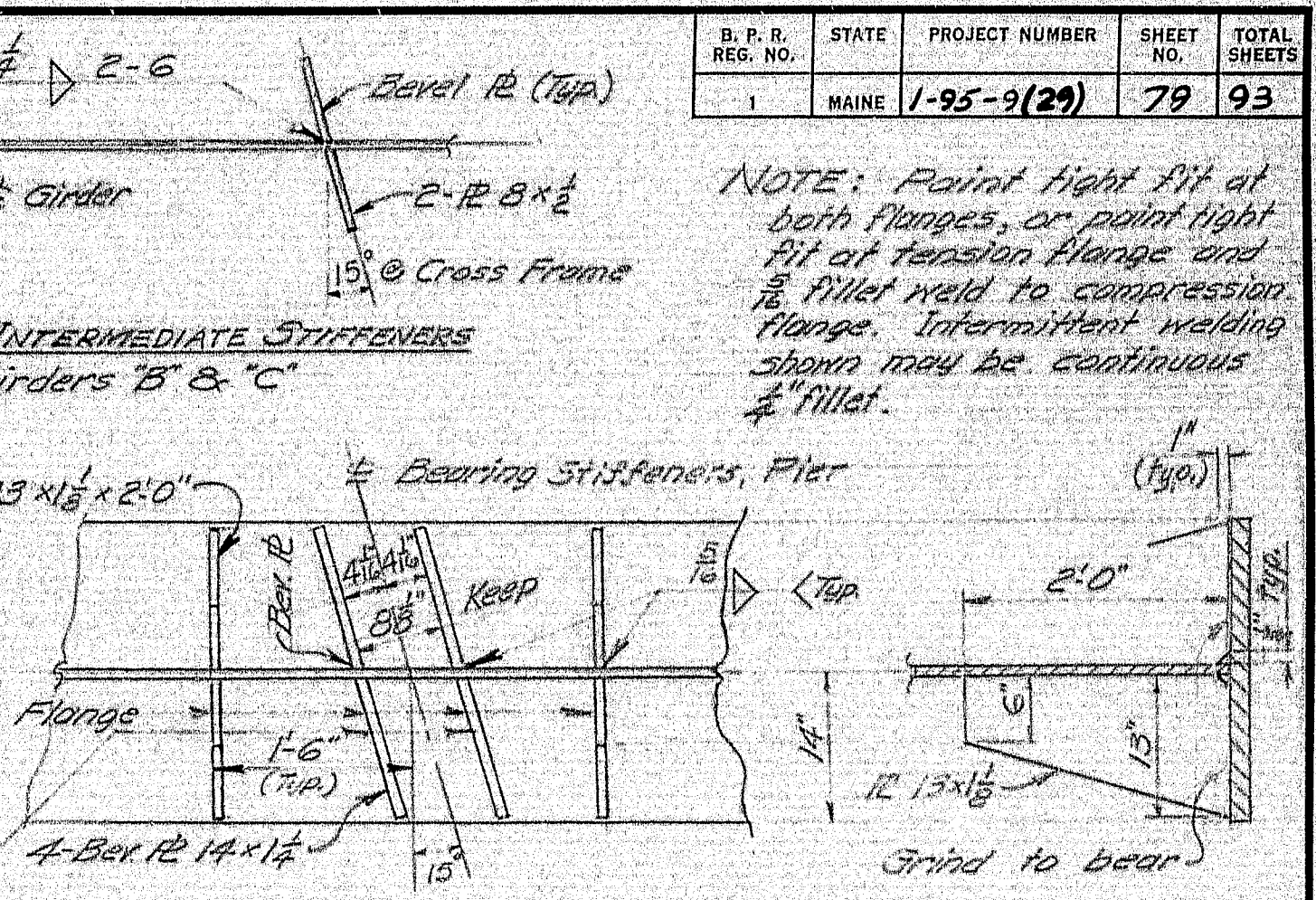
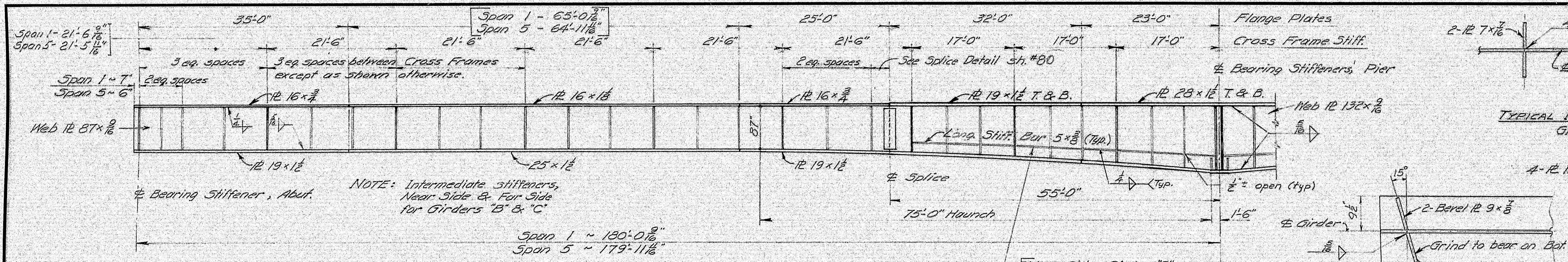


DESIGN - <i>[Signature]</i> TRACE - <i>[Signature]</i> CHECK - <i>[Signature]</i>	BRIDGE NO. <i>[Blank]</i> SURVEY - <i>[Blank]</i> PLOT - <i>[Blank]</i>
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
INTERSTATE 95 OVER	
PENOBSCOT RIVER IN THE TOWN OF	
MEDWAY PENOBSCOT COUNTY	
BEARING PEDESTALS	
SHEET 78 OF 93 AUGUSTA, MAINE OCT. 1964	

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B. P. R. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-95-9(29)	79	93



DESIGN - M.C.R.	BRIDGE NO.
TRACE - G.W.C.	SURVEY -
CHECK - A.H.P.	PLOT -
STATE HIGHWAY COMMISSION	
BRIDGE DIVISION	
INTERSTATE 95	
OVER	
PENOBSCOT RIVER	
IN THE TOWN OF	
MEDWAY	
PENOBSCOT COUNTY	
GIRDERS A-B-C-D	
SHEET 79 OF 93 AUGUSTA, MAINE October 1964	

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