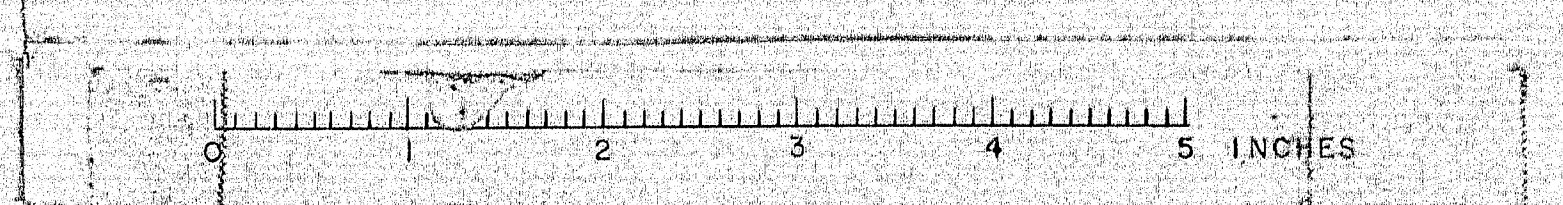


**PROFILES**  
 SCALES: HORIZ. 1"=50' VERT. 1"=10'

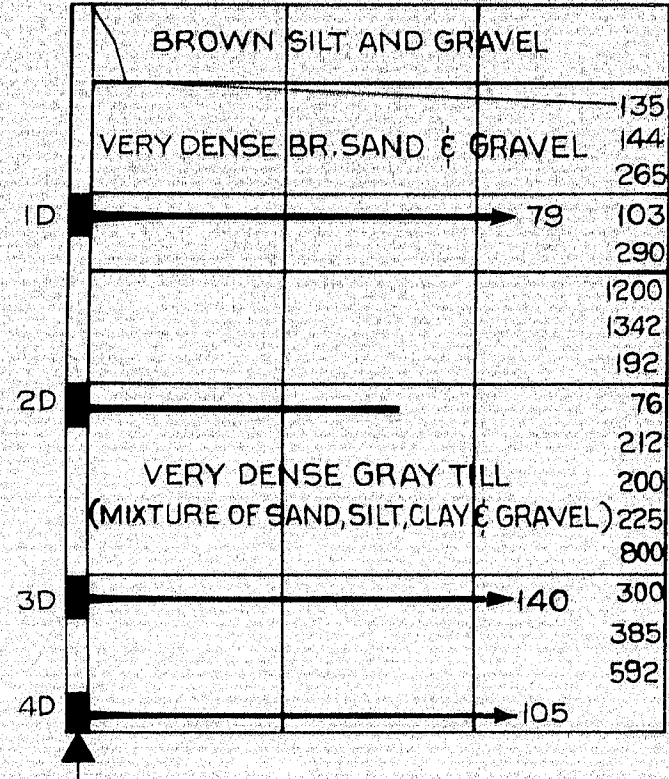
STATE HIGHWAY COMMISSION  
 BRIDGE DIVISION  
**INTERSTATE 95**  
 OVER  
**PENOBSCOT RIVER**  
 IN THE TOWN OF  
**MEDWAY**  
**PENOBSCOT COUNTY**  
 FOUNDATION SURVEY  
 SHEET 66 OF 93 AUGUSTA, MAINE OCTOBER 1964

99-71

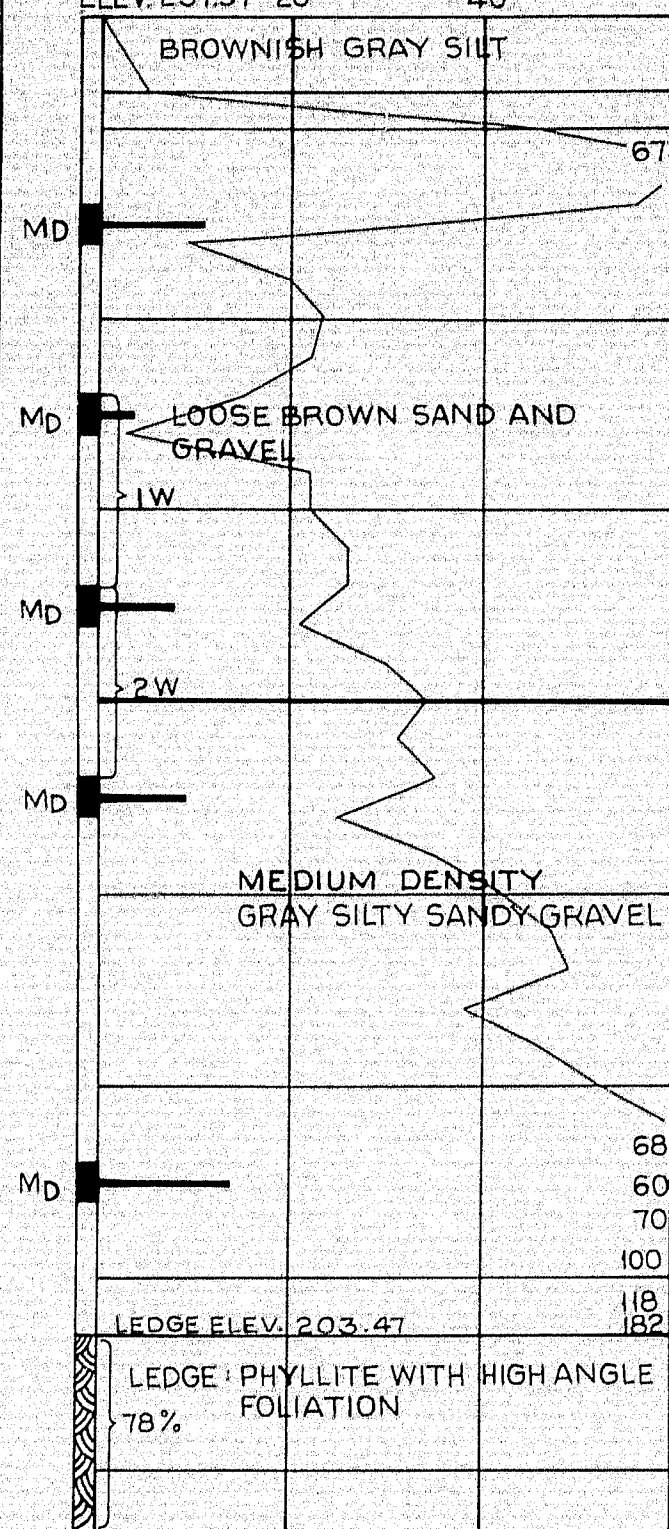




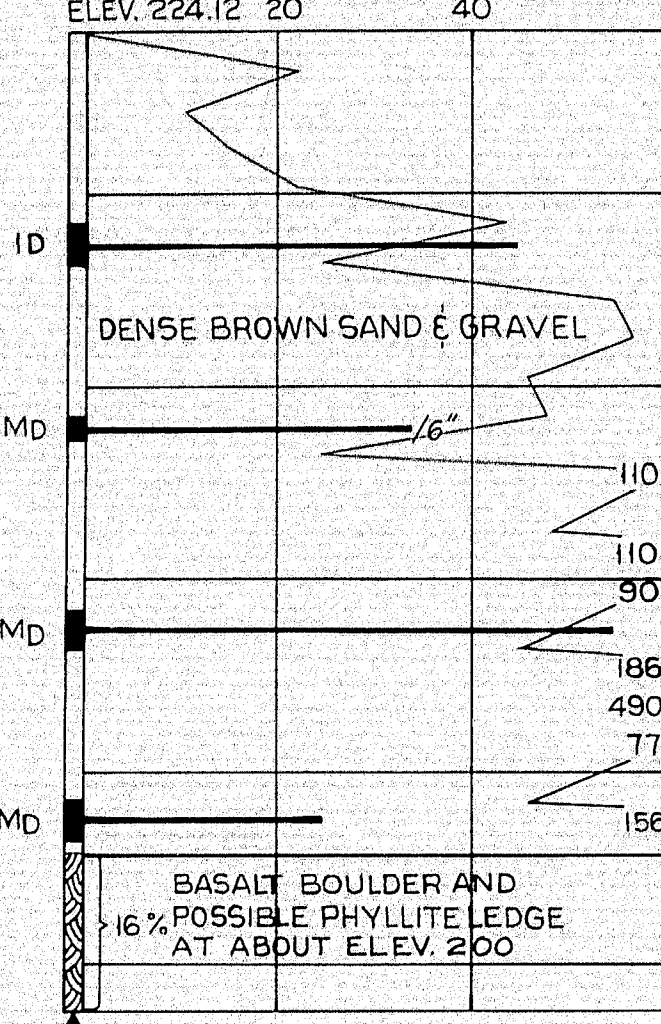
**AC-91** ABUT. NO. 1  
STA. 3335+50 & S.B.  
ELEV. 239.88 20 40



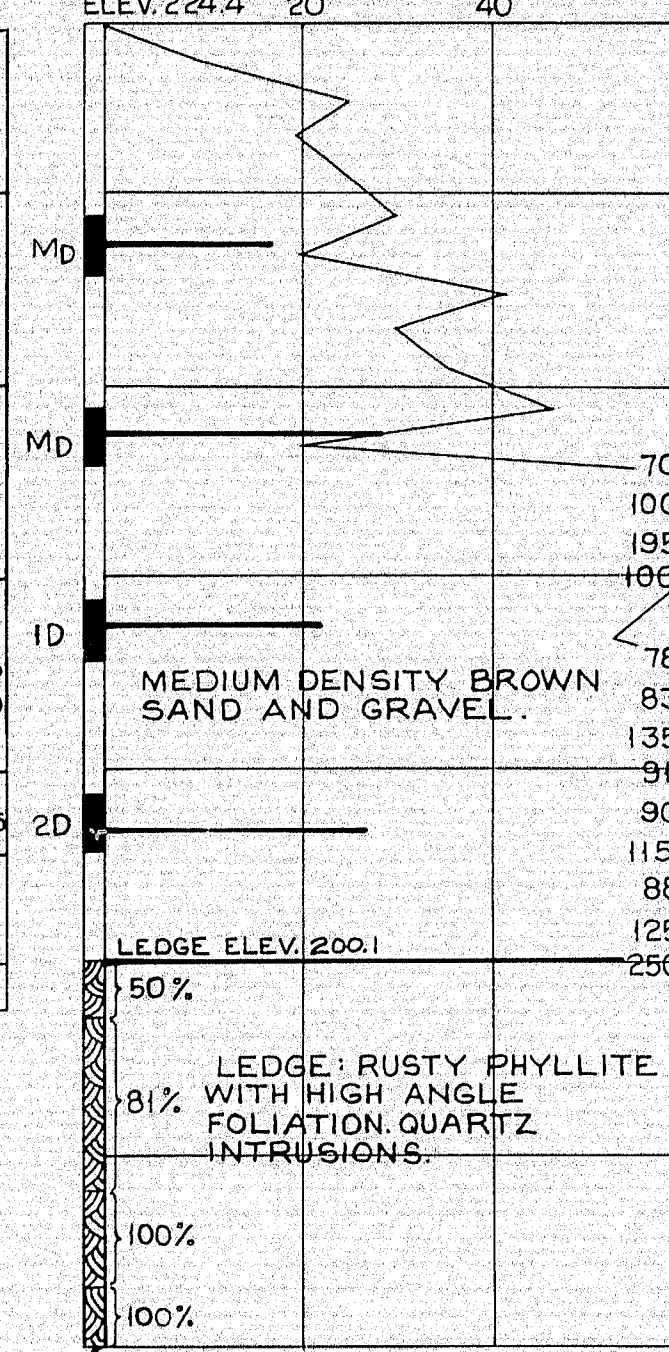
**AC-90** PIER NO. 1  
STA. 3337+35 & S.B.  
ELEV. 237.97 20 40



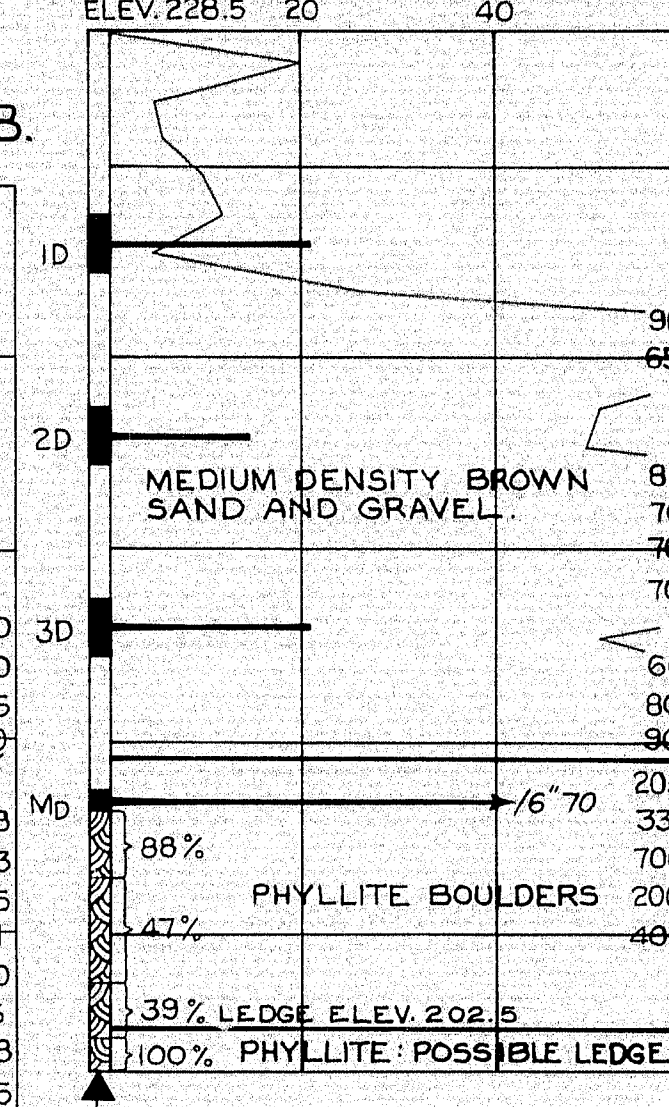
**AC-89** PIER NO. 2  
STA. 3339+60 & S.B.  
ELEV. 224.12 20 40



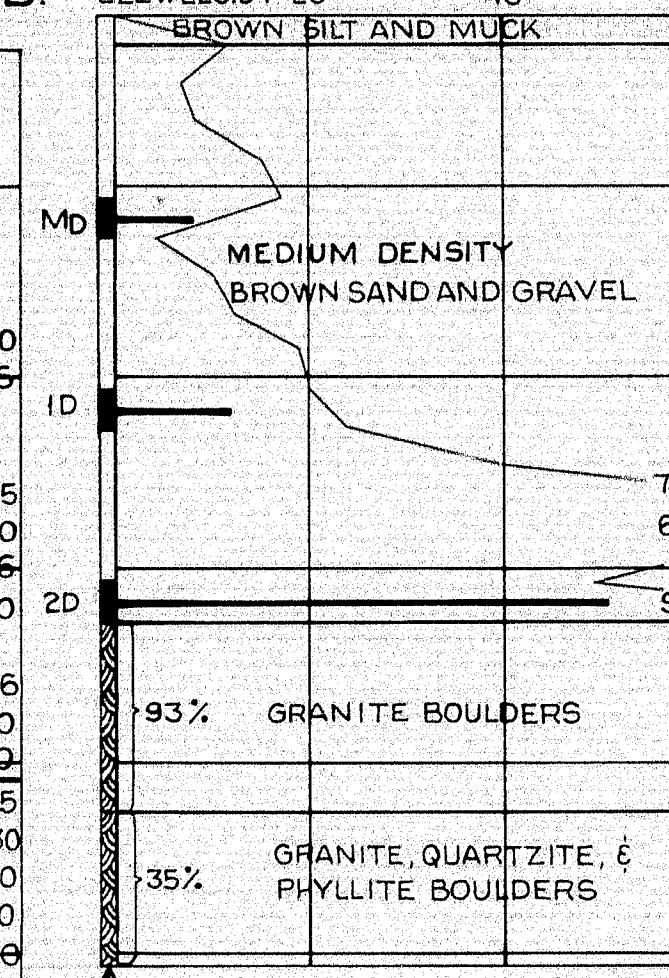
**AB-38** PIER NO. 2  
STA. 3339+65 20' LT S.B.  
ELEV. 224.4 20 40



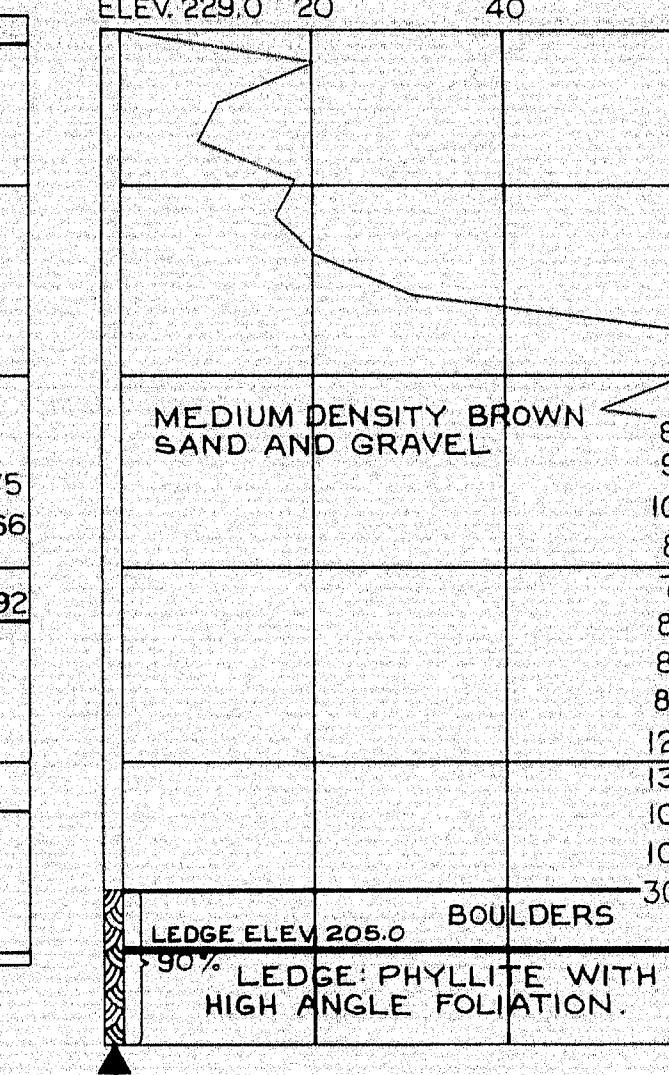
**AB-36** PIER NO. 3  
STA. 3341+95 20' LT S.B.  
ELEV. 228.5 20 40



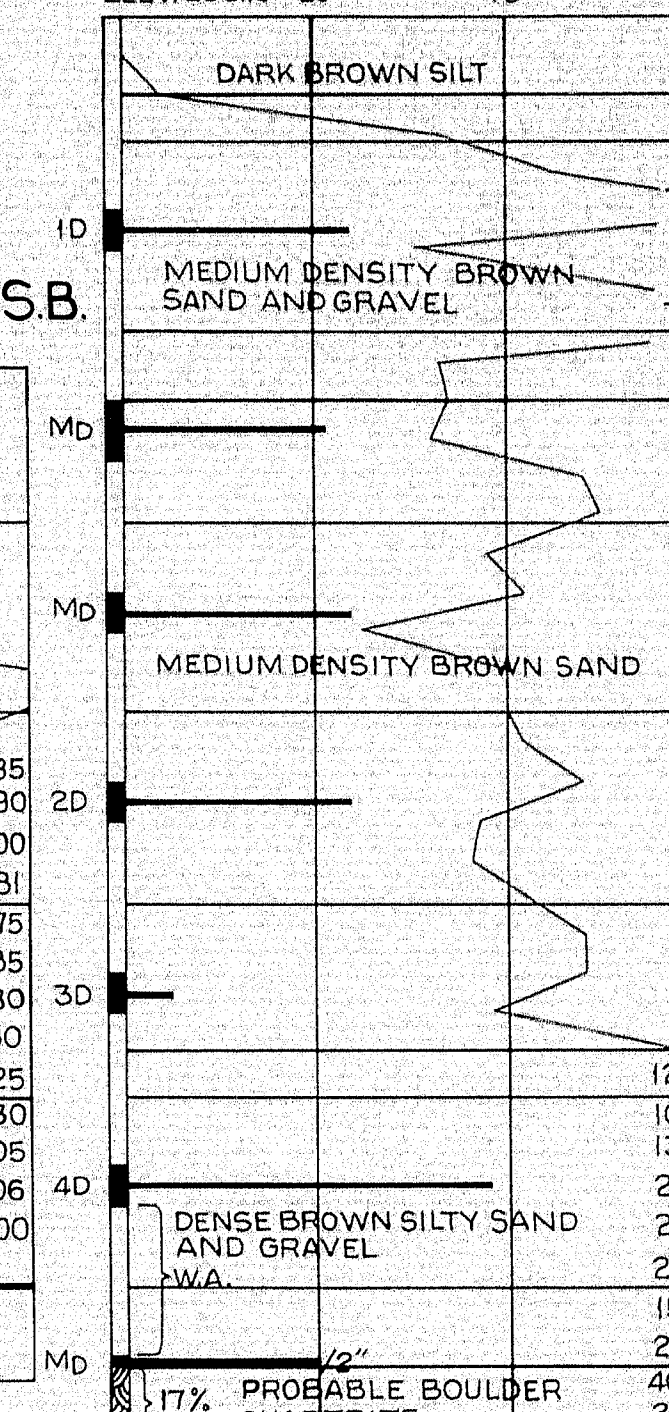
**AC-88** PIER NO. 3  
STA. 3342+10 & S.B.  
ELEV. 229.54 20 40



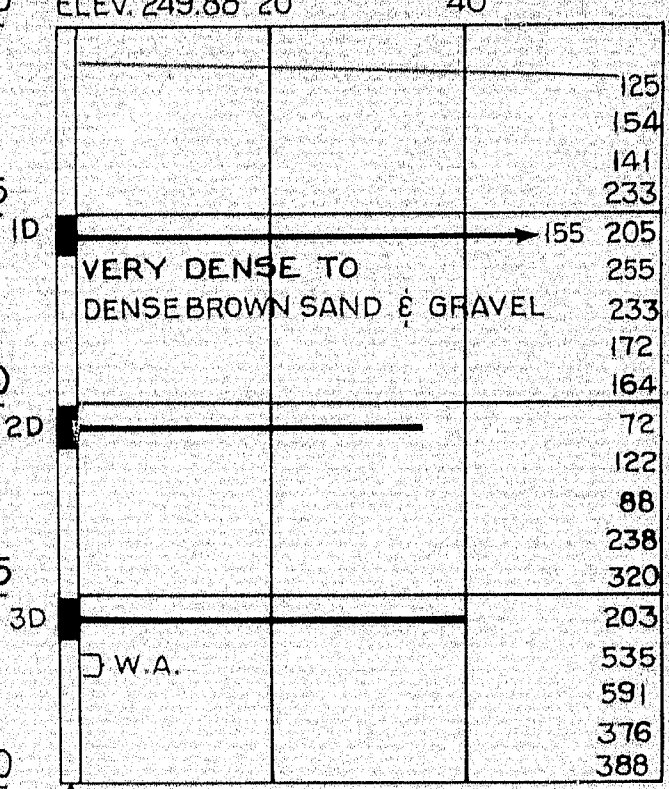
**AB-37** PIER NO. 3  
STA. 3342+0 20' RT S.B.  
ELEV. 229.0 20 40



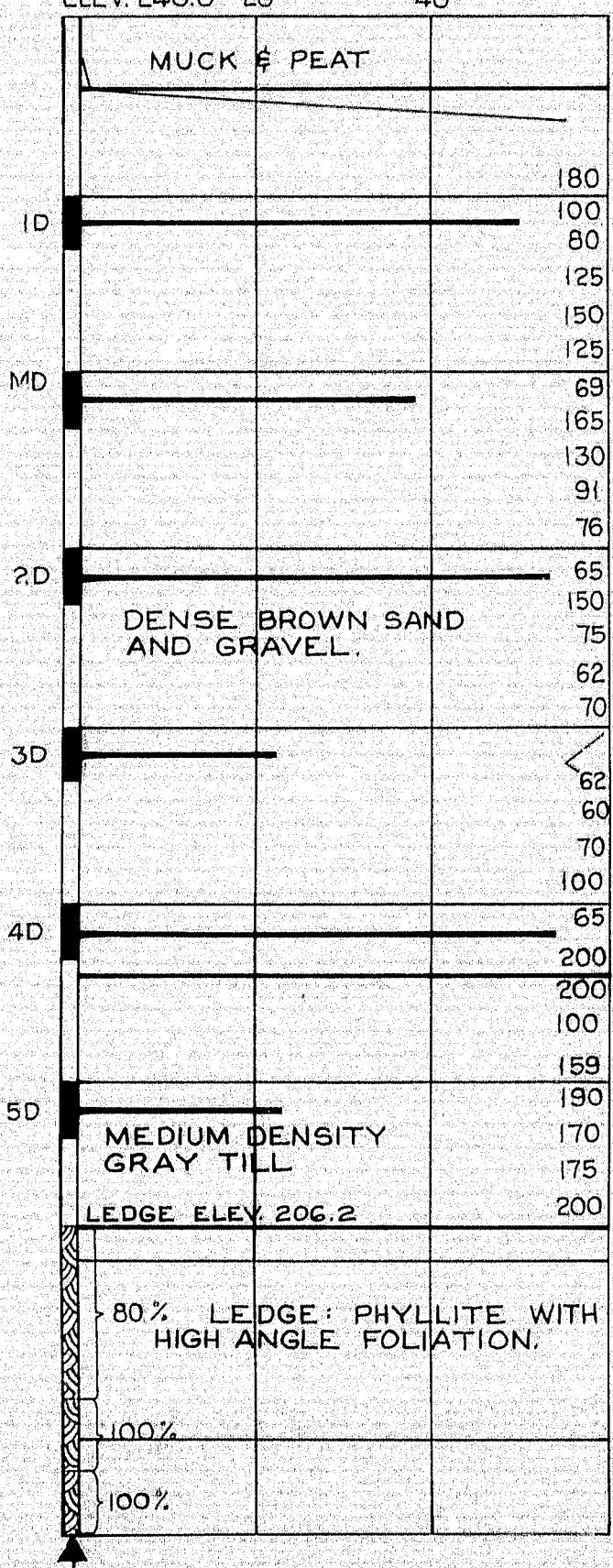
**AC-86** PIER NO. 4  
STA. 3344+35 & S.B.  
ELEV. 238.15 20 40



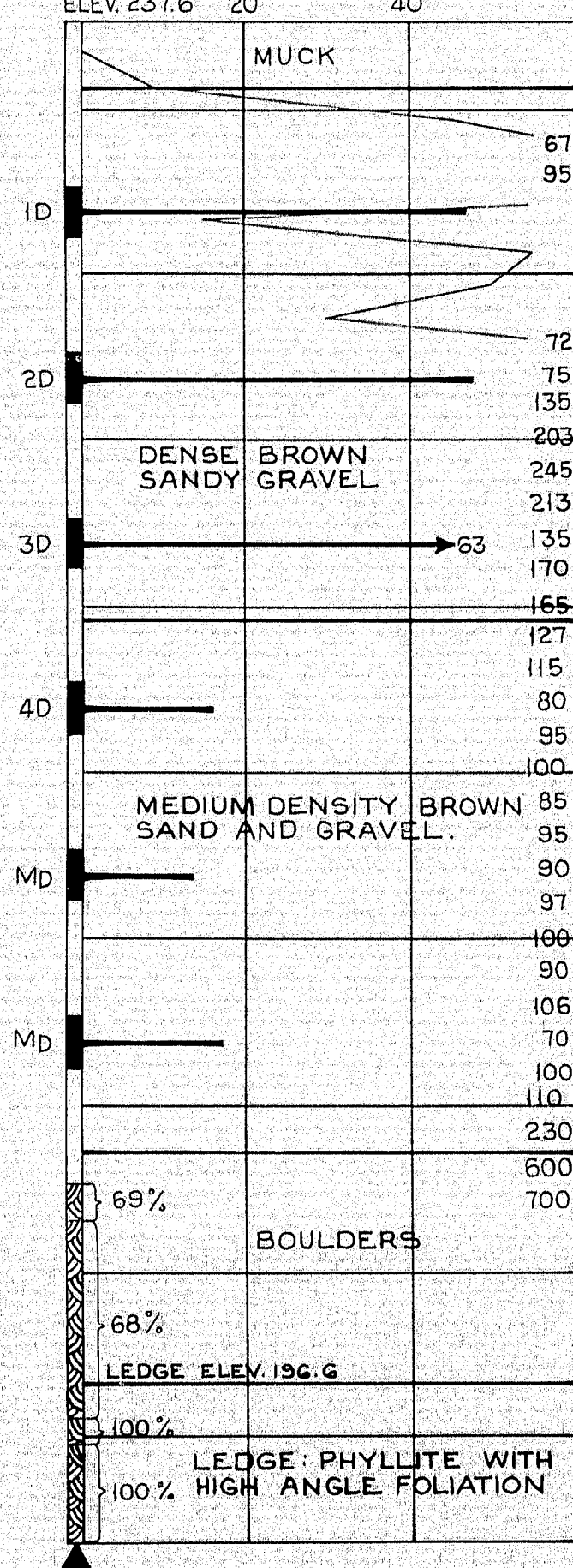
**AC-87** ABUT. NO. 2  
STA. 3346+10 & S.B.  
ELEV. 249.88 20 40



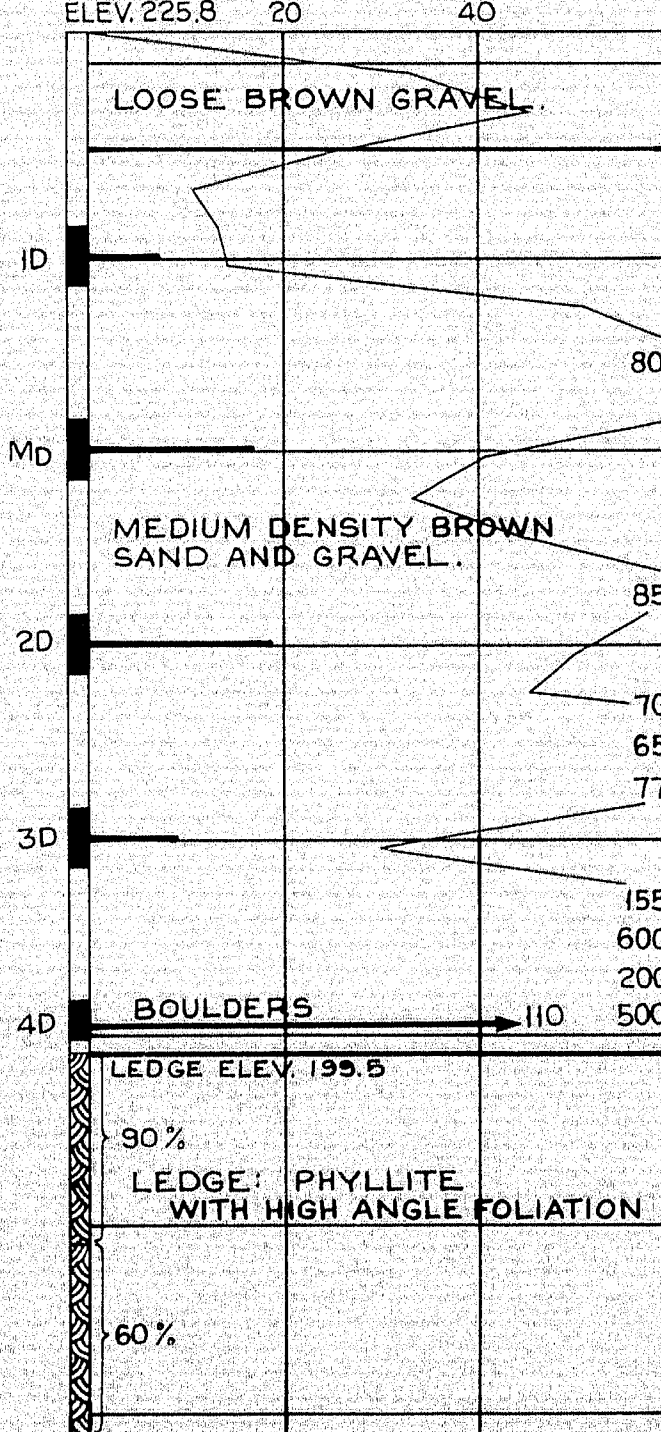
**AB-35** ABUT. NO. 1  
STA. 3336+10 8' LT N.B.  
ELEV. 240.0 20 40



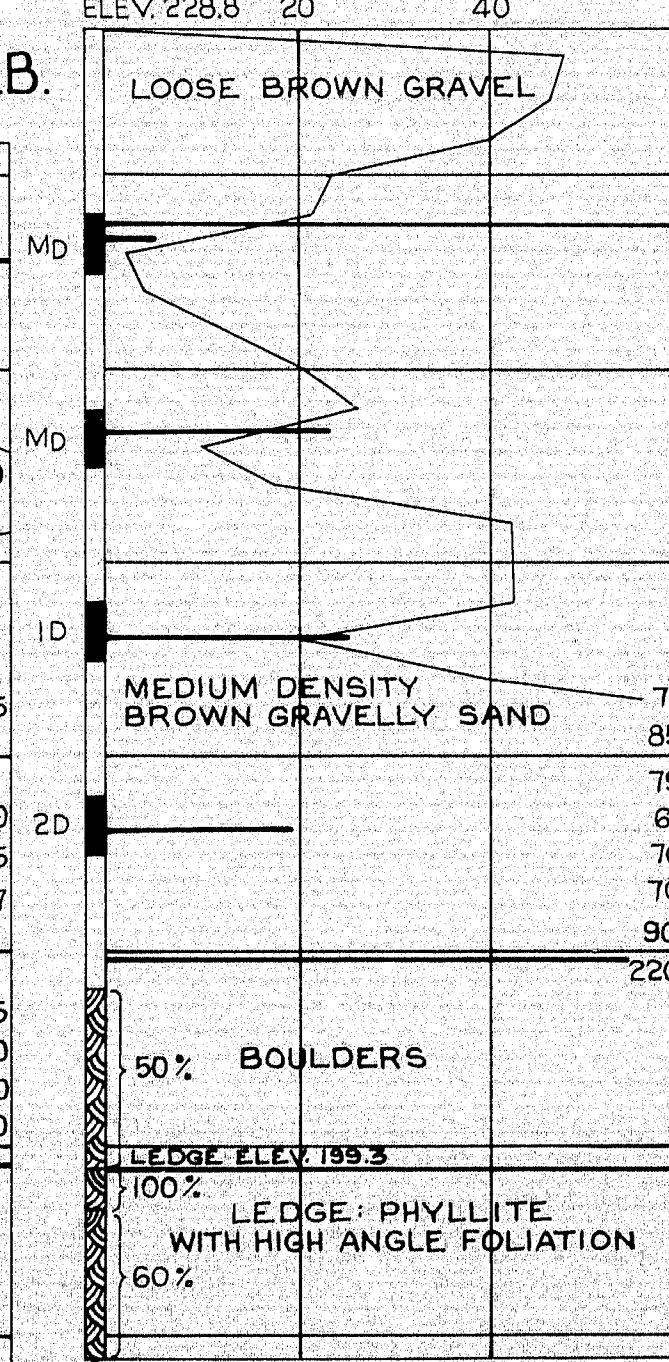
**AB-34** PIER NO. 1  
STA. 3337+80 20' RT N.B.  
ELEV. 237.6 20 40



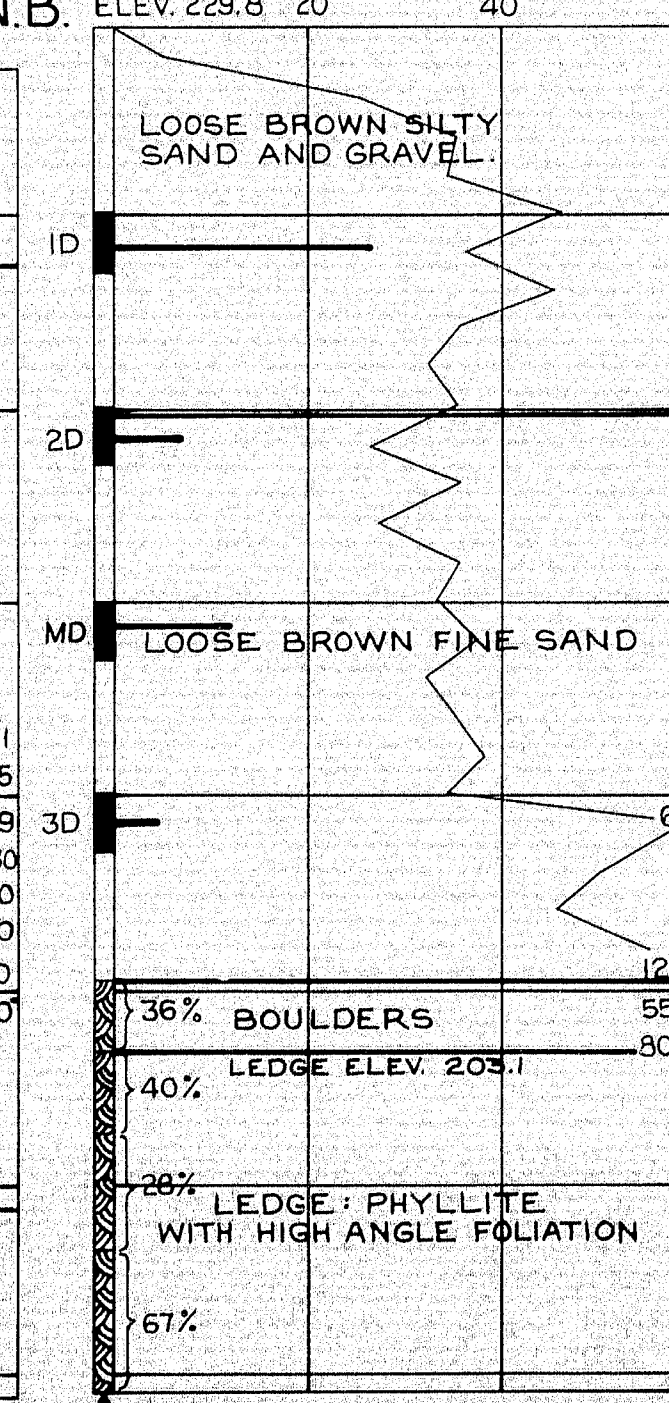
**AB-28** PIER NO. 2  
STA. 3340+10 20' LT N.B.  
ELEV. 225.8 20 40



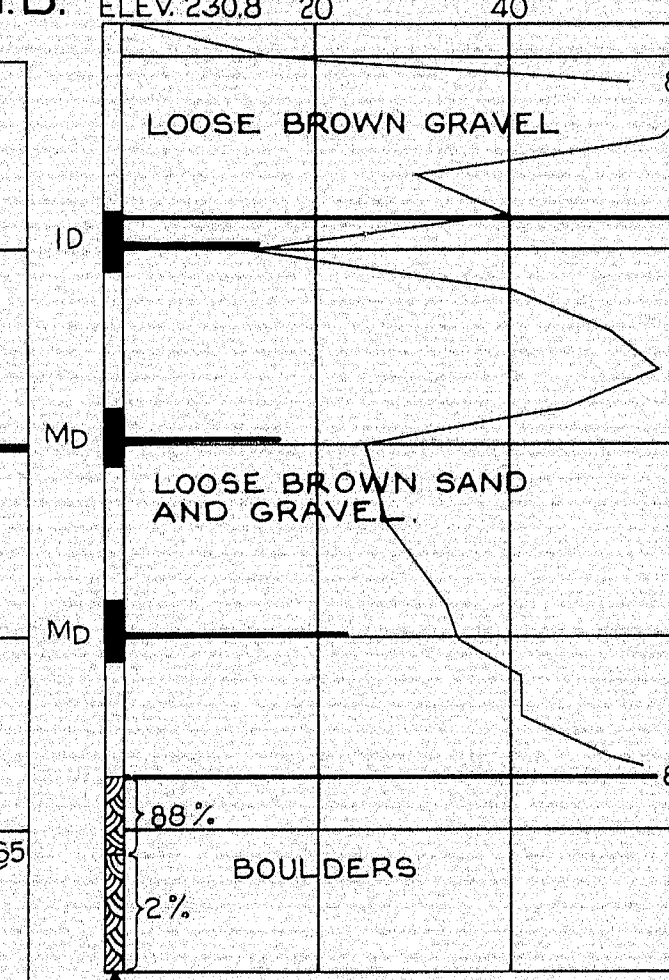
**AB-29** PIER NO. 3  
STA. 3342+60 20' RT N.B.  
ELEV. 228.8 20 40



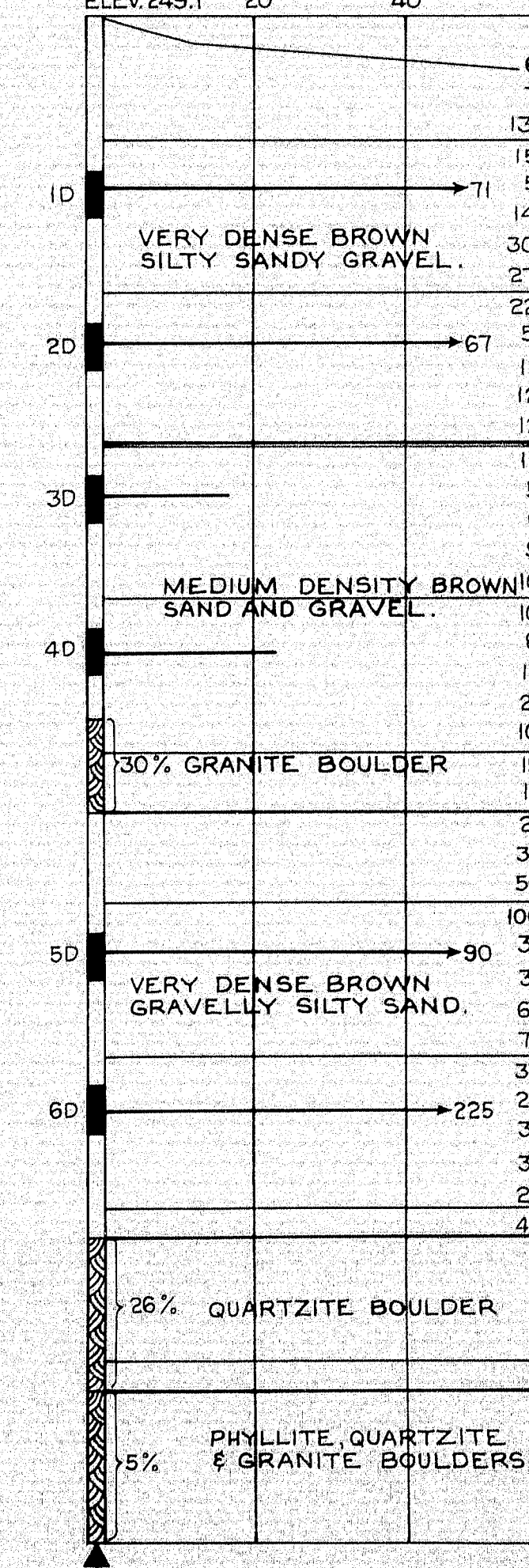
**AB-31** PIER NO. 4  
STA. 3344+50 20' LT N.B.  
ELEV. 229.8 20 40



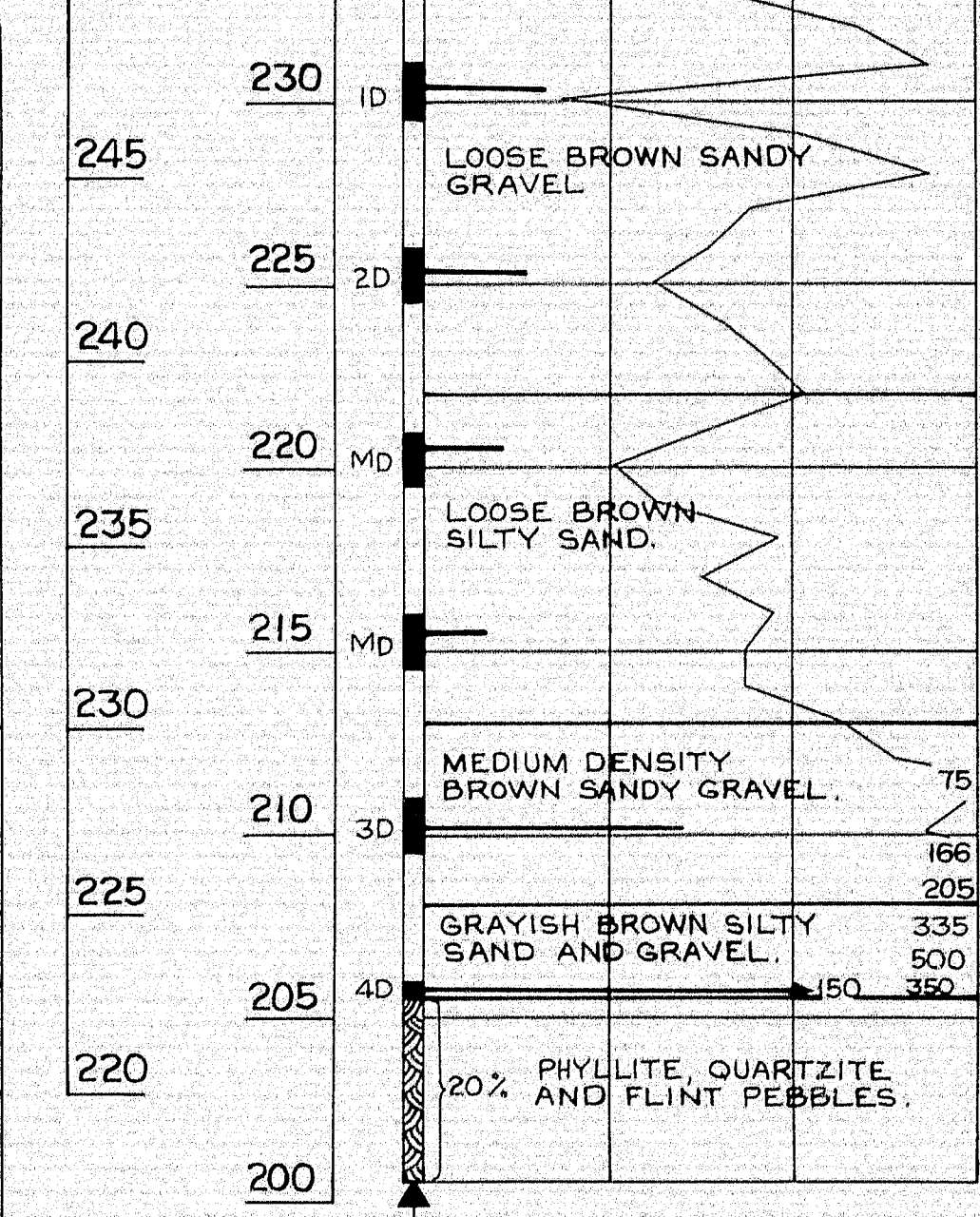
**AB-30** PIER NO. 4  
STA. 3344+60 20' LT N.B.  
ELEV. 230.8 20 40



**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



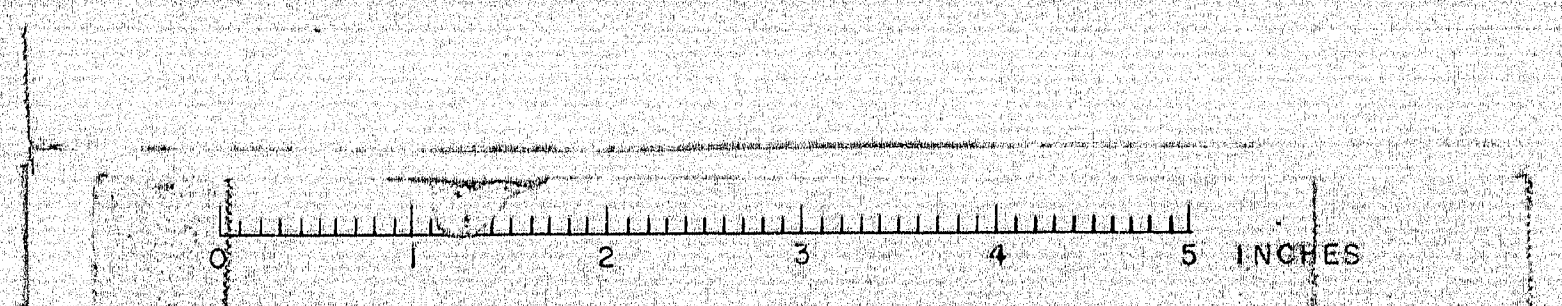
#### BORING NOTES

- ALL SAMPLES AND 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
- 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

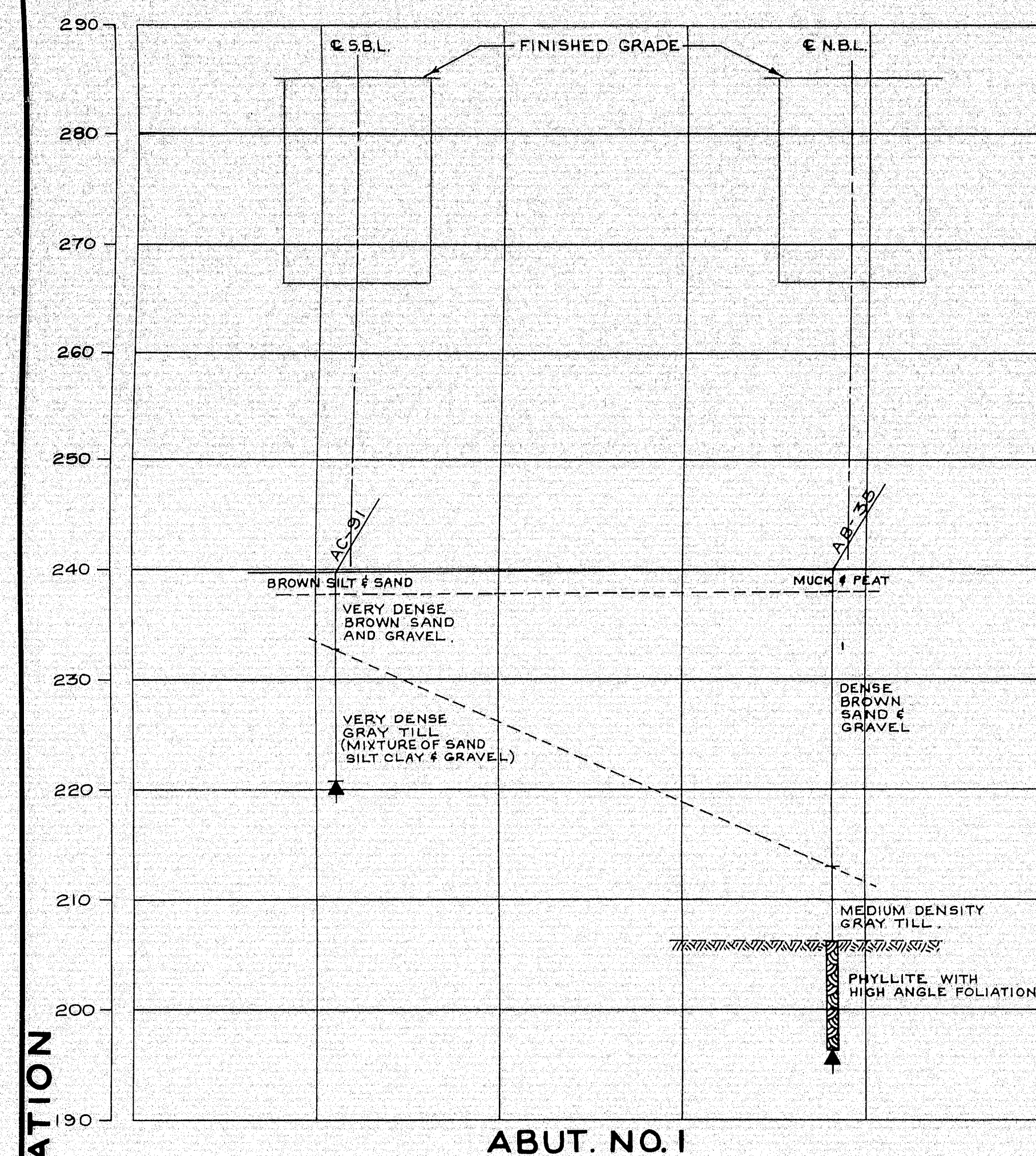
NOTE: CASING SIZE FOR ALL BORINGS - 2 1/2"

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

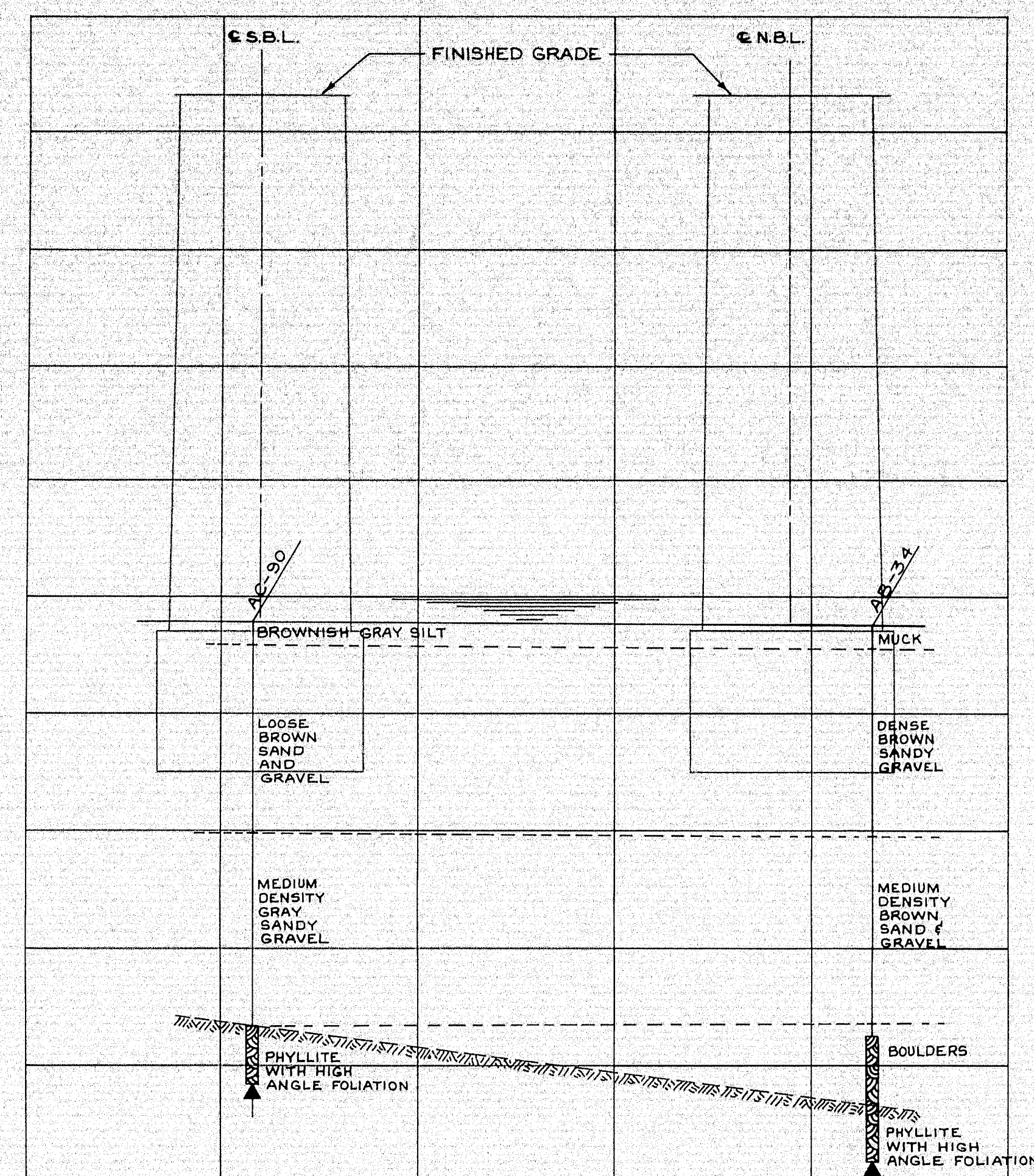
99-72



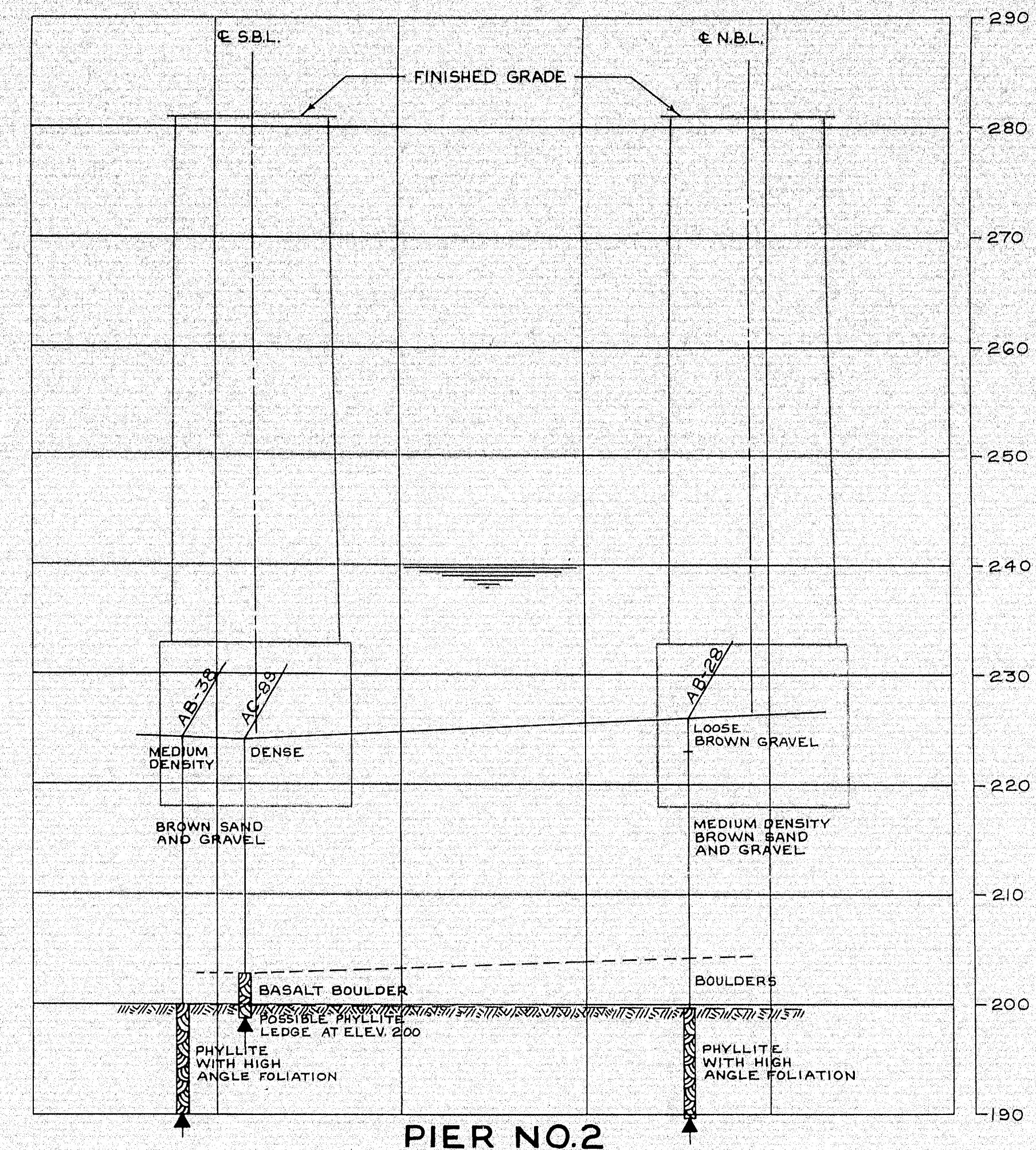




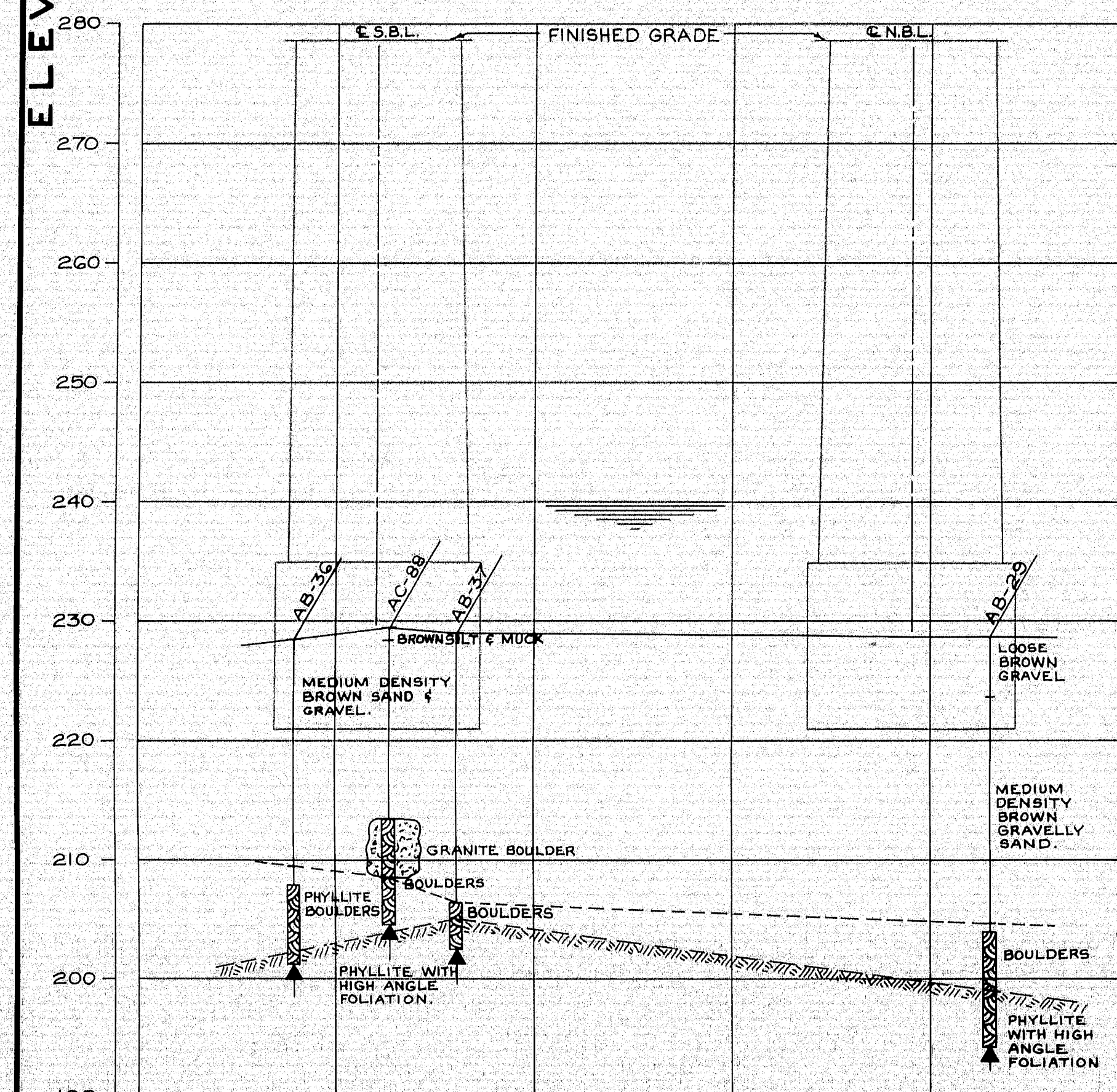
ABUT. NO. 1



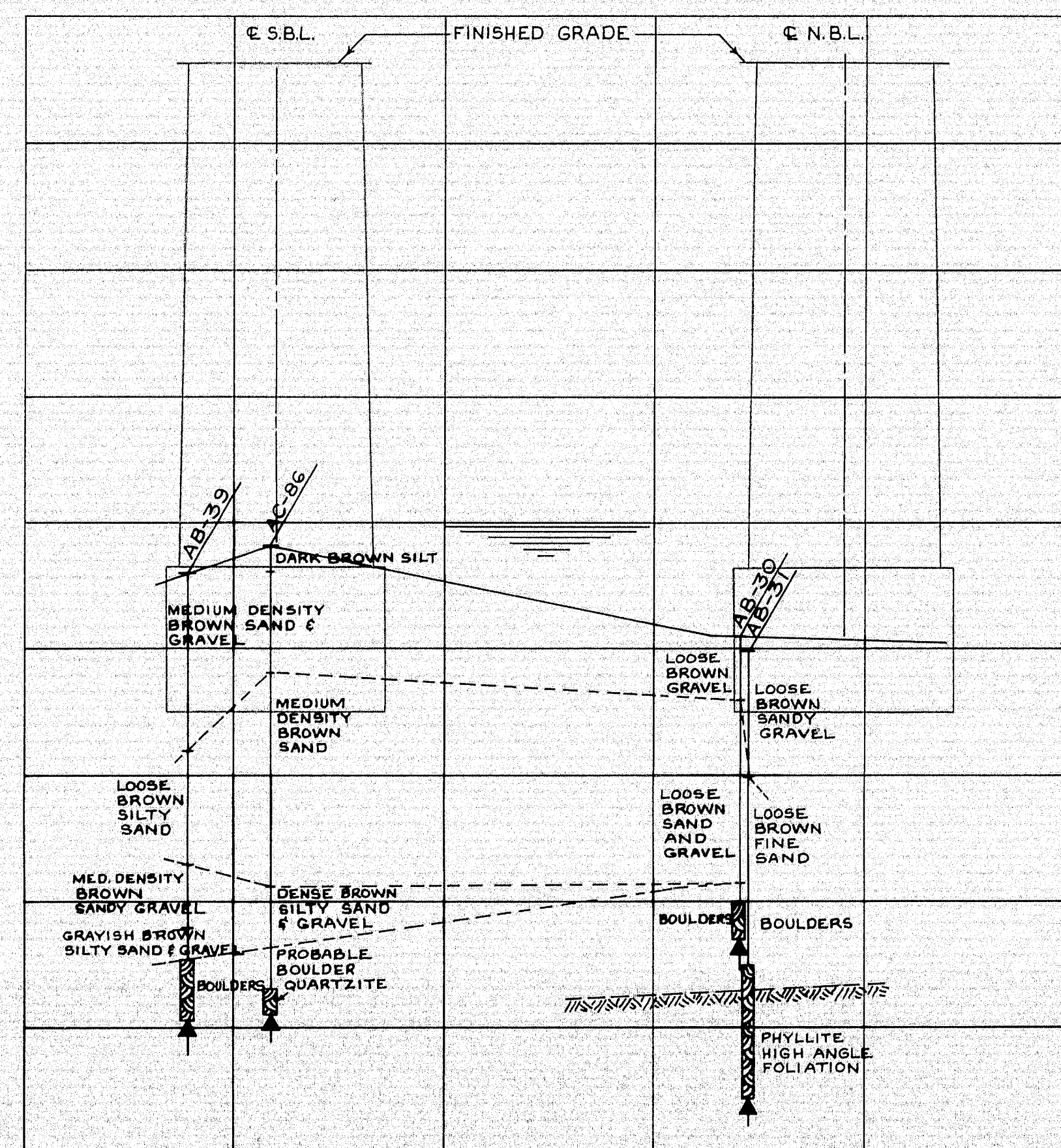
PIER NO. 1



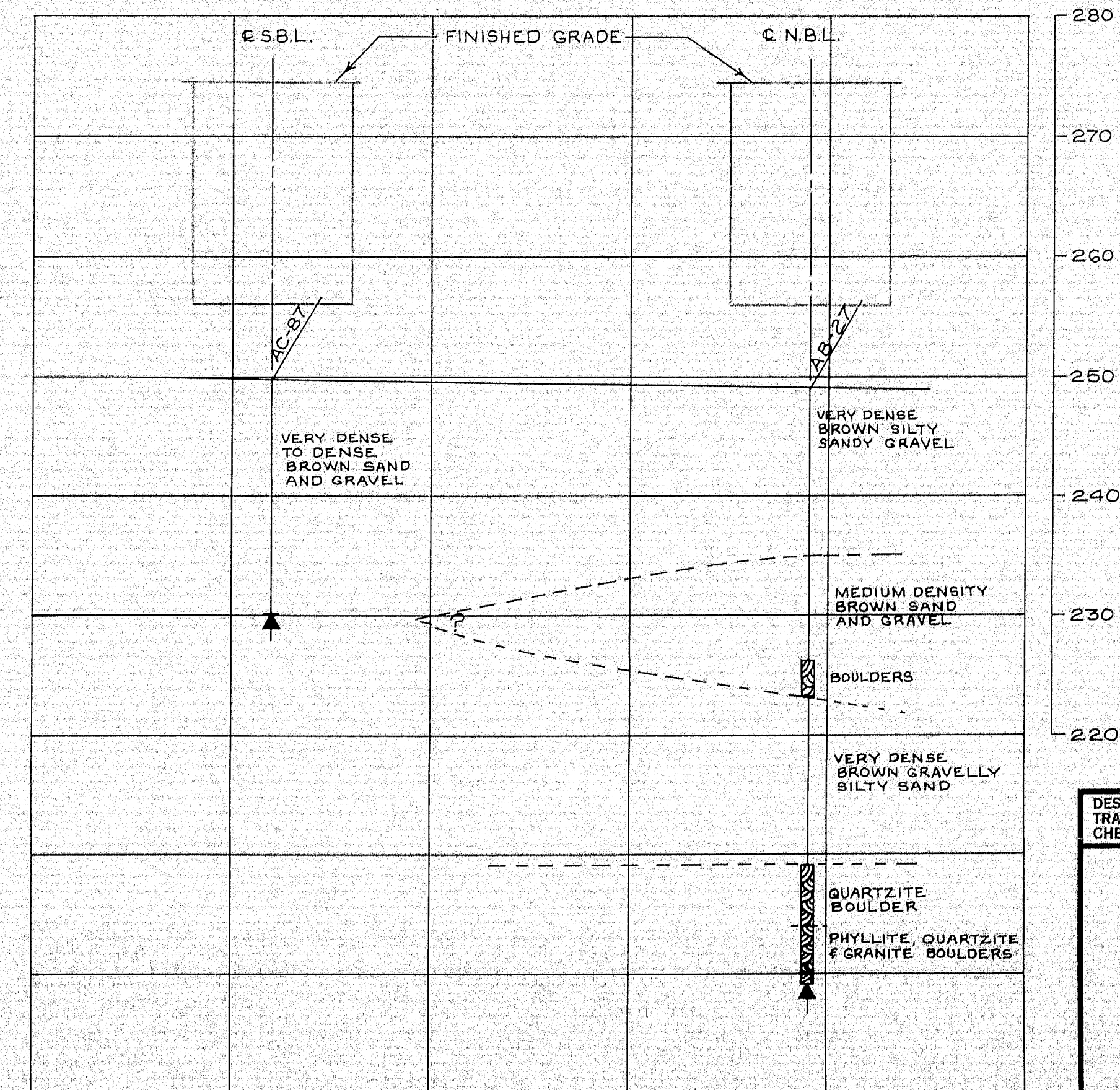
PIER NO. 2



PIER NO. 3



PIER NO. 4



ABUT. NO. 2

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

DESIGN—  
TRACE—  
CHECK—

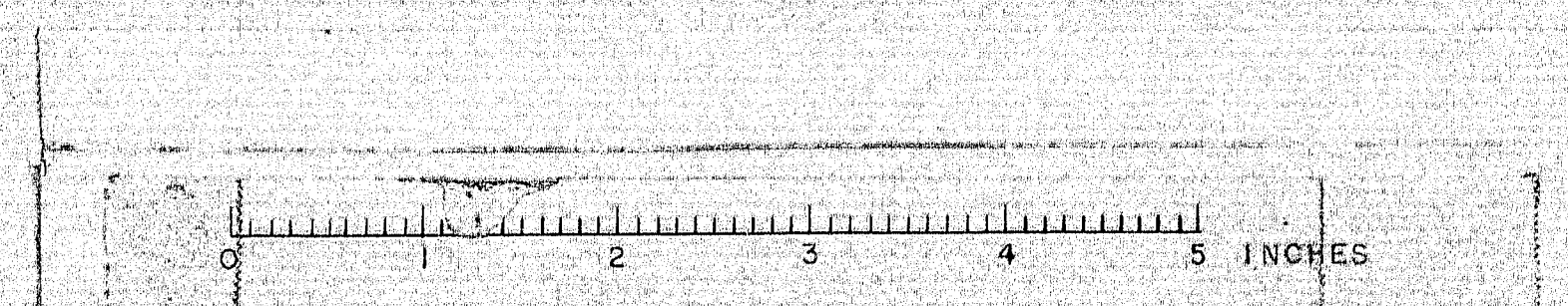
SOILS DIVISION

BRIDGE NO.  
SURVEY—  
PLOT—

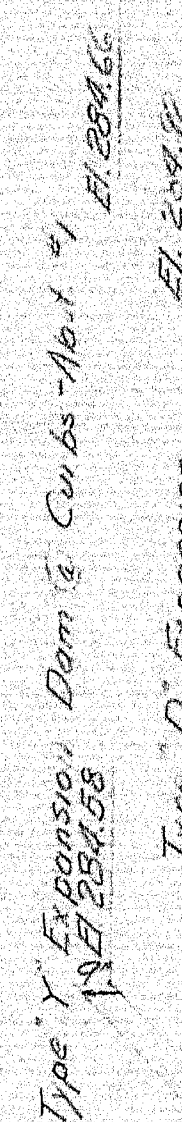
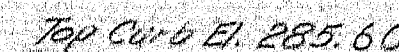
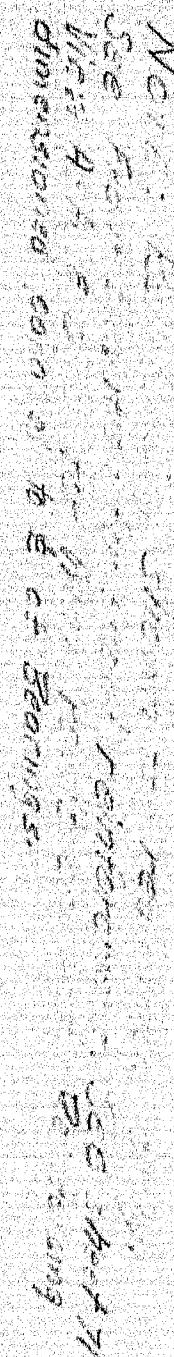
STATE HIGHWAY COMMISSION  
BRIDGE DIVISION  
**INTERSTATE 95**  
OVER  
**PENOBSCOT RIVER**  
IN THE TOWN OF  
**MEDWAY**  
**PENOBSCOT COUNTY**  
TRANSVERSE PROFILES

SHEET 68 OF 93 AUGUSTA, MAINE OCTOBER 1964

99-73



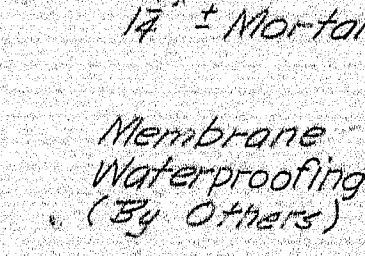




FRONT ELEVATION



DETAIL - VERTICAL BRIDGE CURVE



ABUTMENTS No 1 B. 1. 1. 1.

NOTE: For Views A-A, & B-B: Sections C-C, & D-D:  
Footings Reinforcement & Pile Plan: see sheet No. 76  
See sheet No. 70 for Concrete End Post Detail

## GENERAL NOTES

1. Backwalls and Wing walls are to be built after Structural Steel has been erected and Bottom of Slab elevations established
2. Vertical Construction Joints on back side of abutment are to be covered with two layers of heavy roofing 10" wide. Coat the surface of concrete and the backside of each layer as applied with a suitable grade of roofing cement. The area to be covered is to be recessed 1/4".
3. Place reinforcing steel in bridge seats to clear the anchor bolts.
4. Coat bridge seats and front face of backwall and breastwall down to one foot below slope protection and top of backwall as detailed with epoxy resin surface sealant.
5. Guard Rail anchor bolts shall be furnished and installed under this contract. Payment for anchor bolts shall be considered incidental to Item 701-33.
6. For Rail Post spacing and detail see spec. 82
7. Reinforcing Steel to have 2" clear cover unless otherwise noted.
8. Abbreviations:  
 N.E. = Near Face                      S.B. = Southbound  
 E.F. = Far Face                      N.B. = Northbound  
 C.J. = Construction Joint          spc. = Spaces  
 E.F. = End Face



DESIGN- H.L.D.  
TRACE-  
CHECK- *MAE*

BRIDGE NO.  
SURVEY-  
PLOT-

STATE HIGHWAY COMMISSION  
BRIDGE DIVISION

INTERSTATE 95

OVER

PENOBSCOT RIVER

IN THE TOWN OF

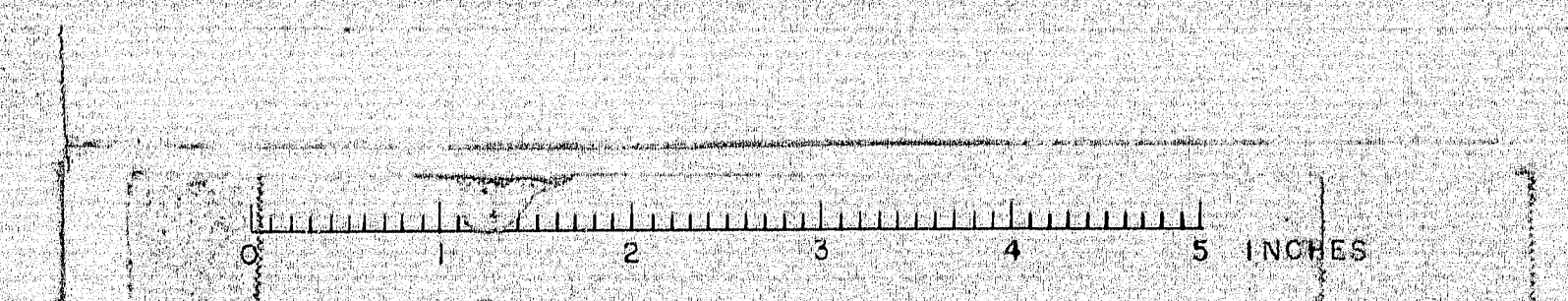
MEDWAY

PENOBSCOT COUNTY

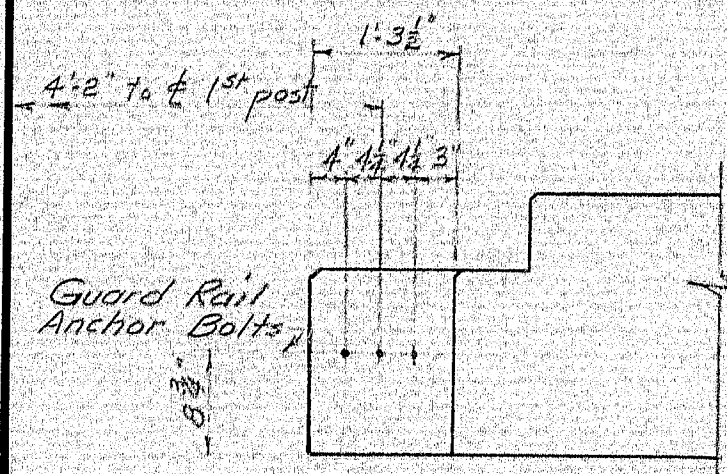
ABUTMENTS 1

SHEET 69 OF 93 AUGUSTA, MAINE OCTOBER 1964

99-74

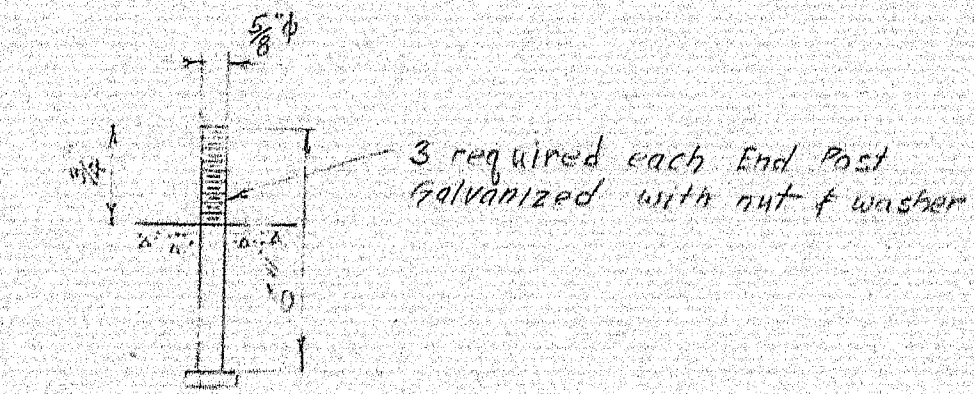




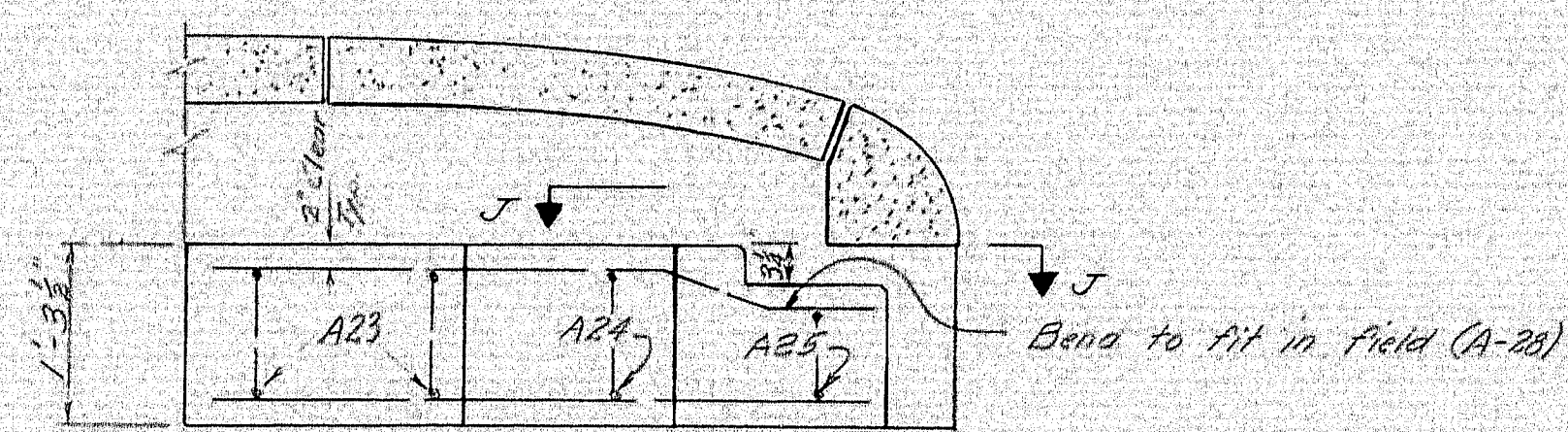


VIEW J-J

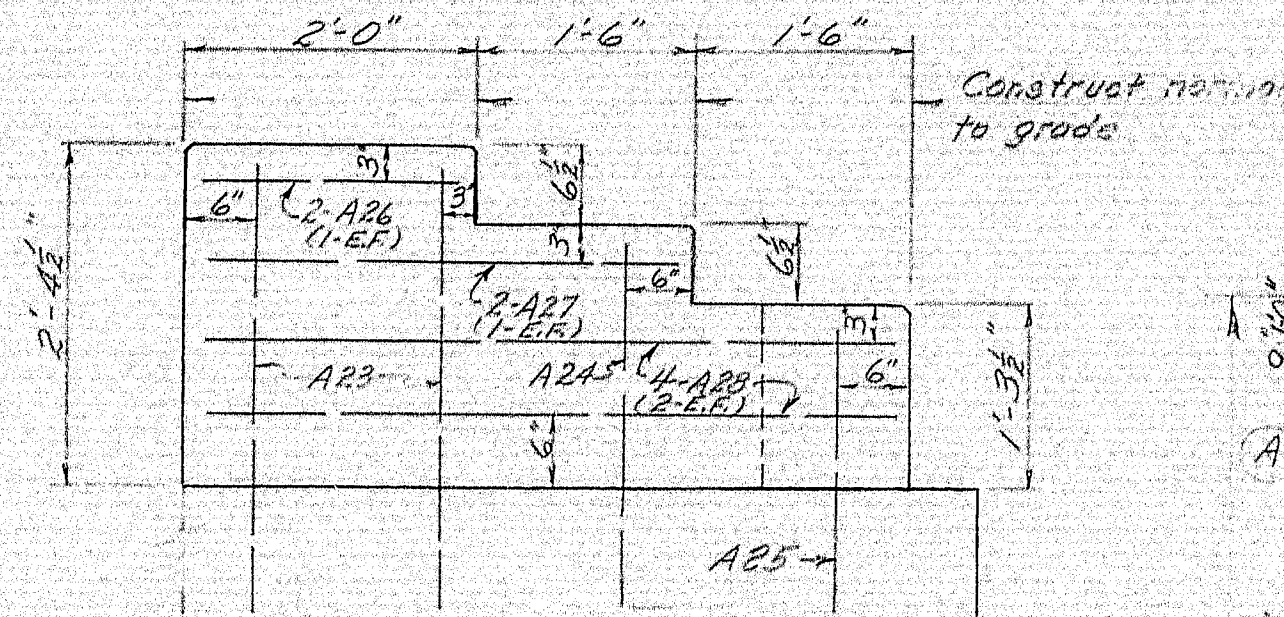
Splice holes in Guard Rail beam shall be plugged with galv button head bolts (By others)



ANCHOR BOLT DETAIL

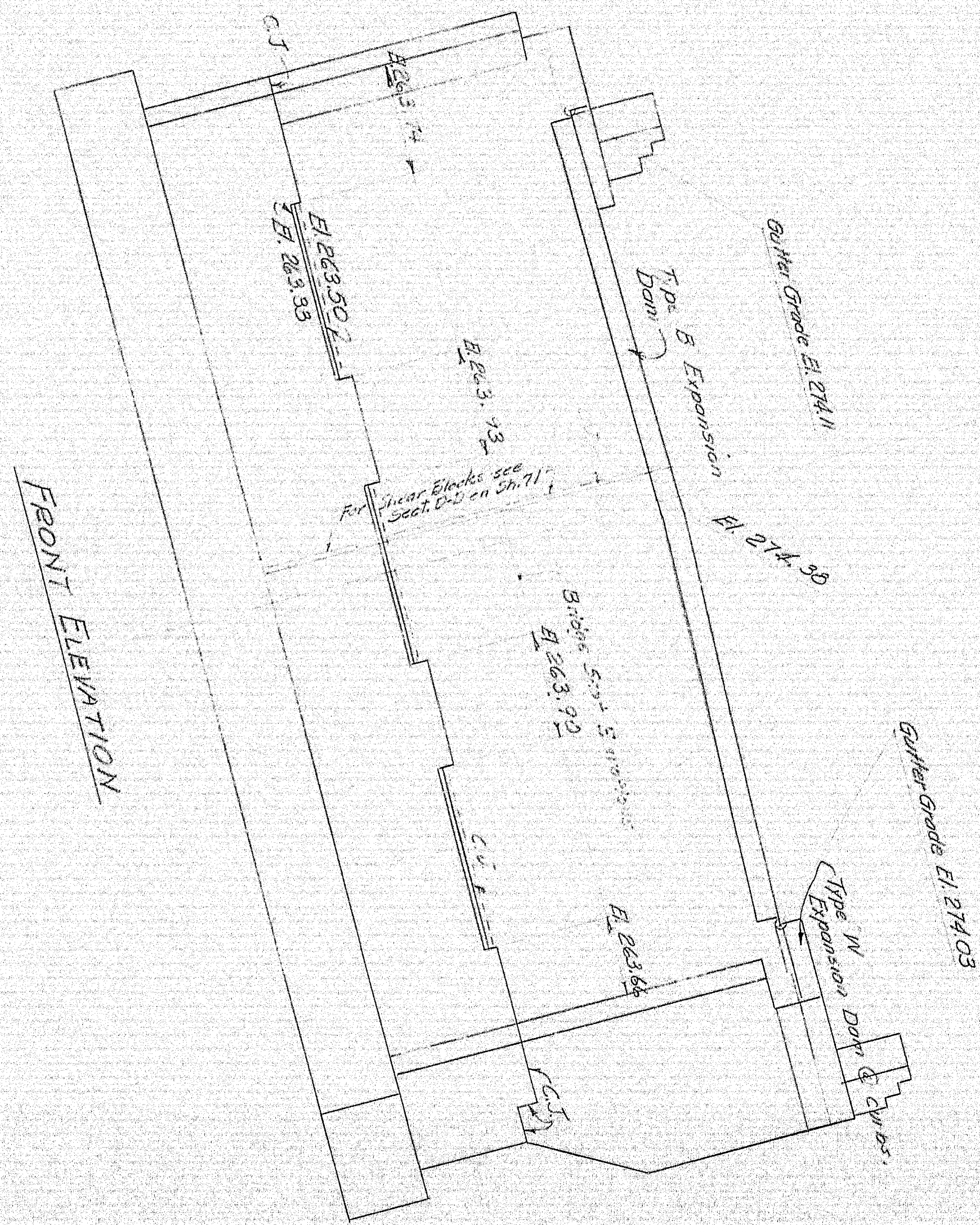


PLAN

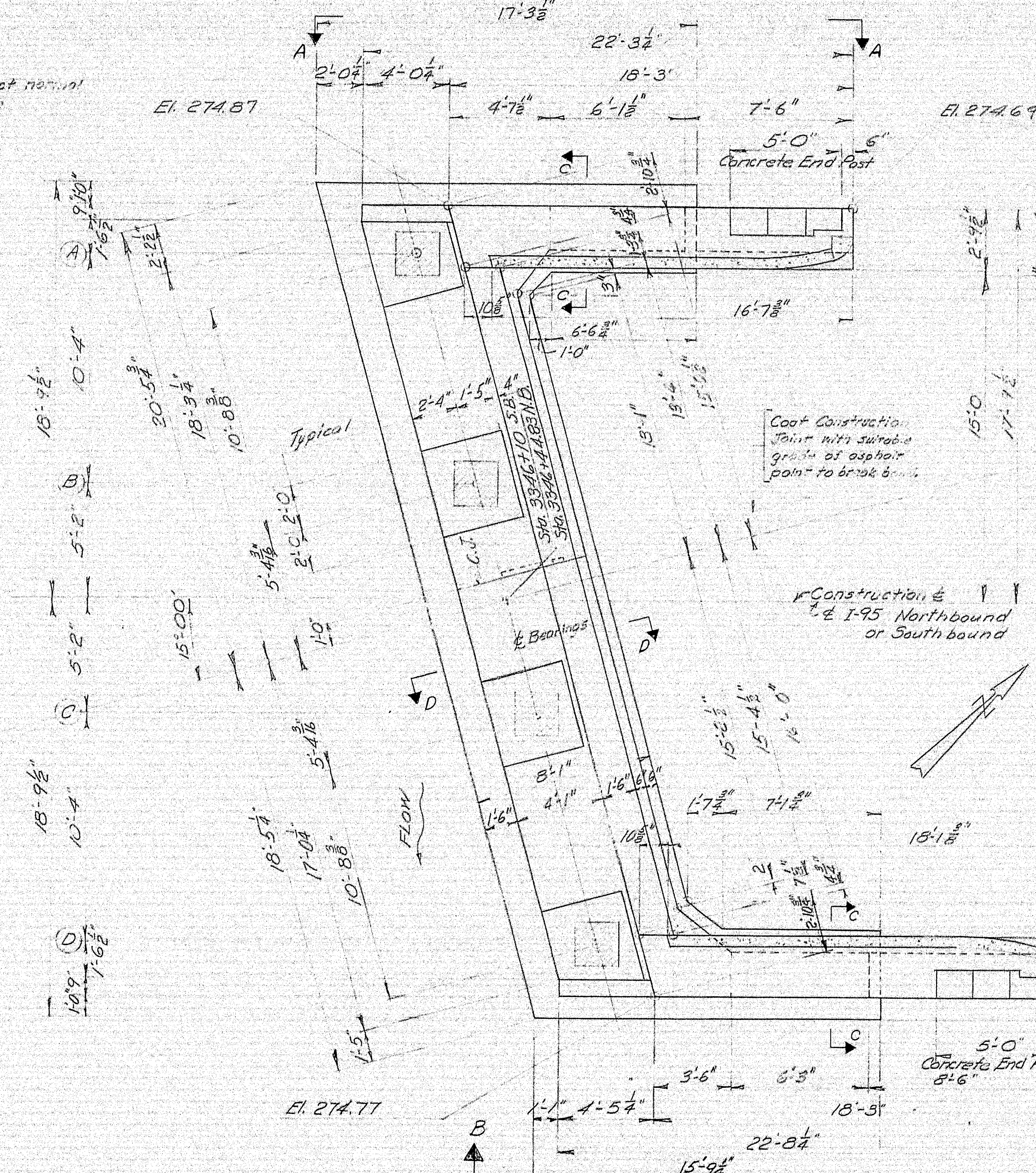


ELEVATION

CONCRETE END POST DETAIL

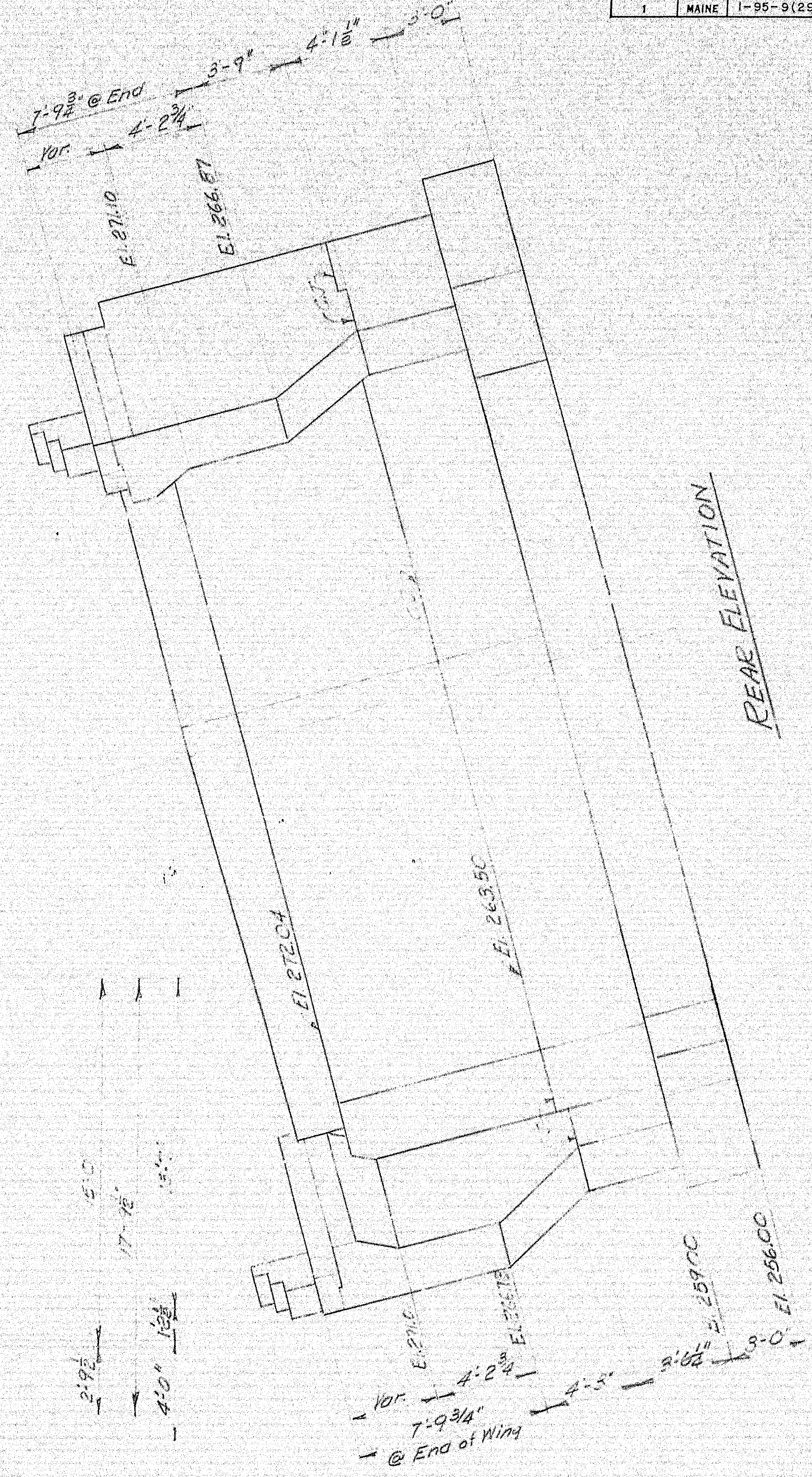


FRONT ELEVATION



ABUTMENTS No. 2 PLAN

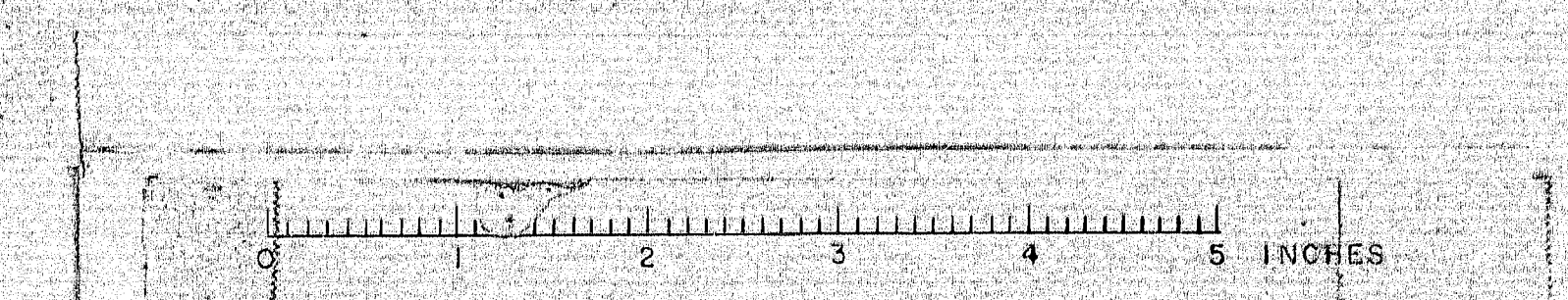
Note: Abutment 2 Reinforcing Steel same as for Abutment 1.



REAR ELEVATION

DESIGN - H.L.D.	BRIDGE NO.
TRACE - H.L.D.	SURVEY -
CHECK - H.L.D.	DATE -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
INTERSTATE 95 OVER PENOBSCOT RIVER IN THE TOWN OF MEDWAY PENOBSCOT COUNTY ABUTMENTS 2	
SHEET 70 OF 93 AUGUSTA, MAINE OCTOBER 1964	

99-75

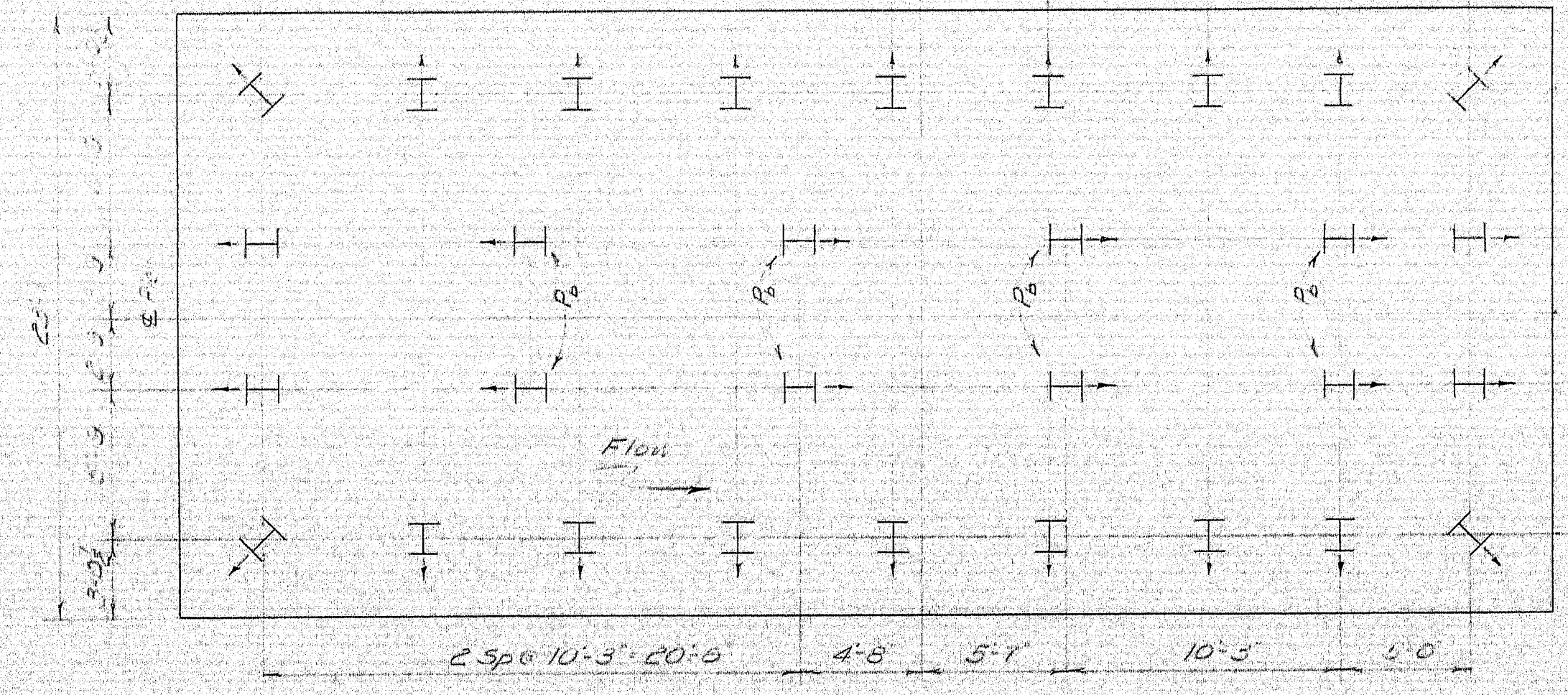
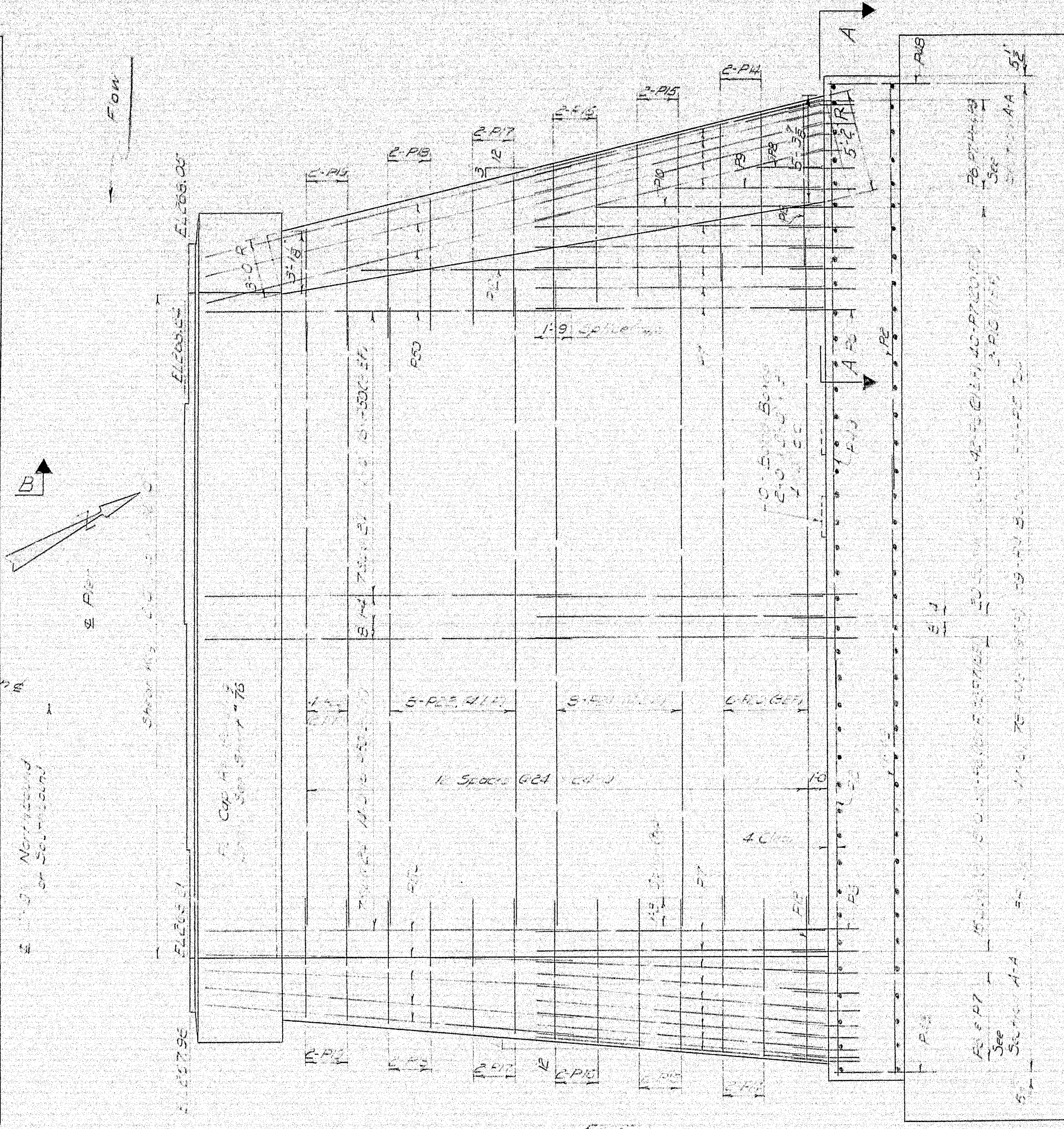
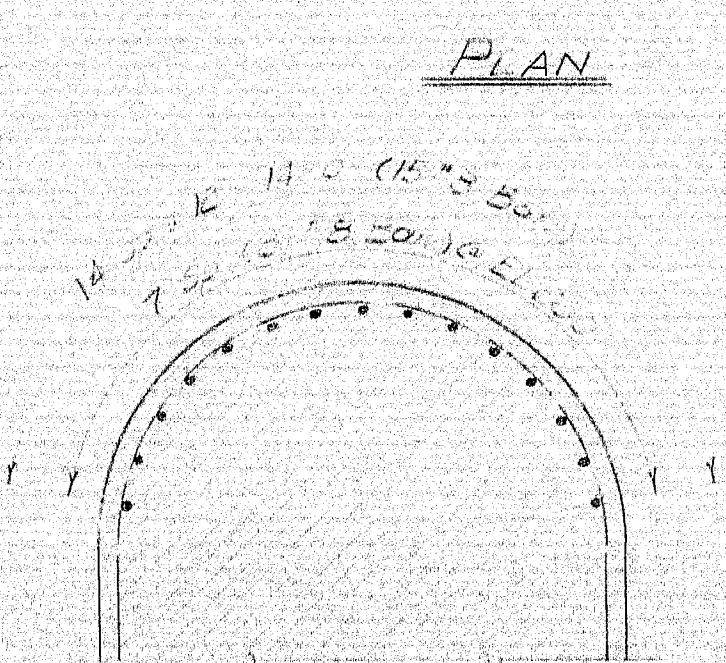
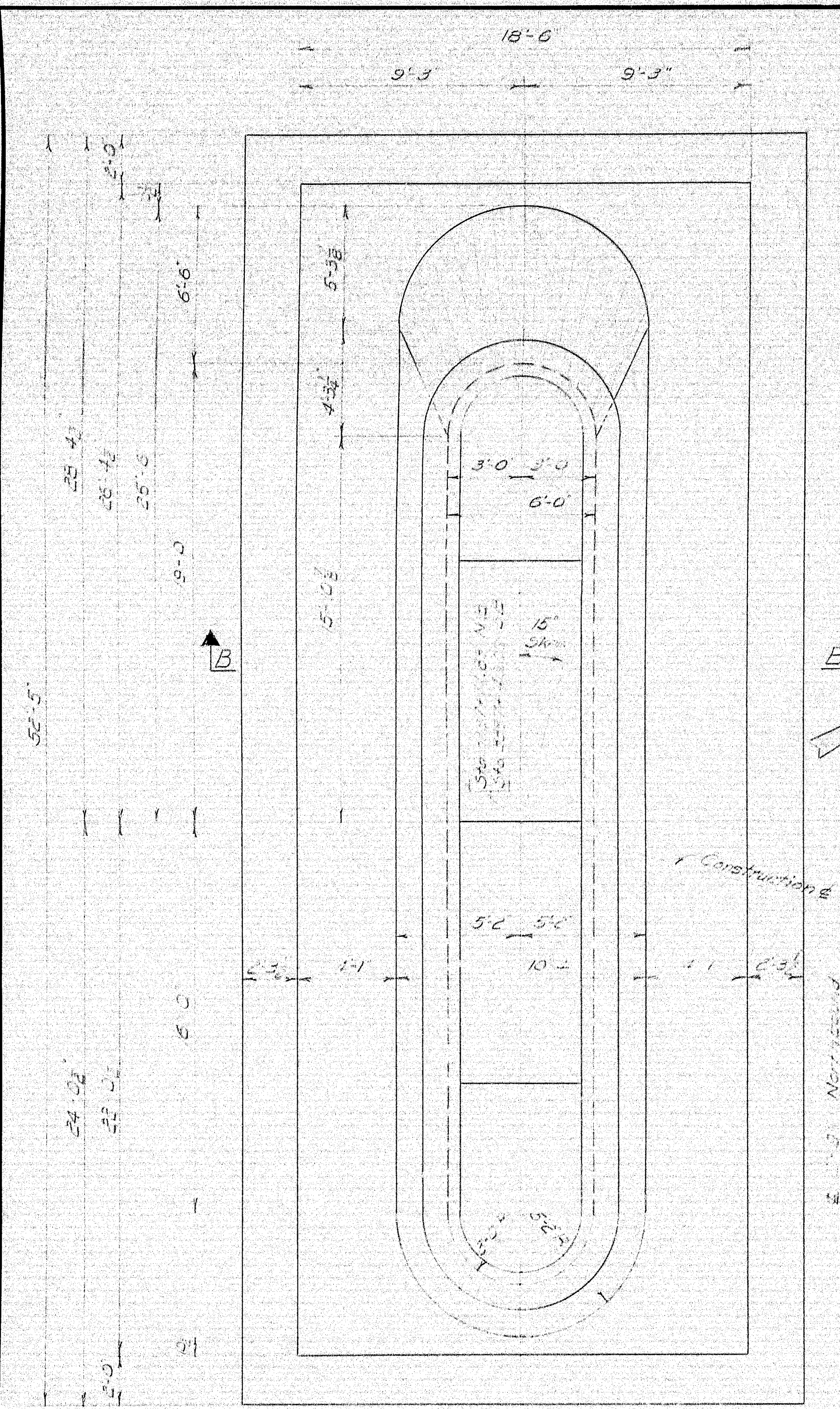






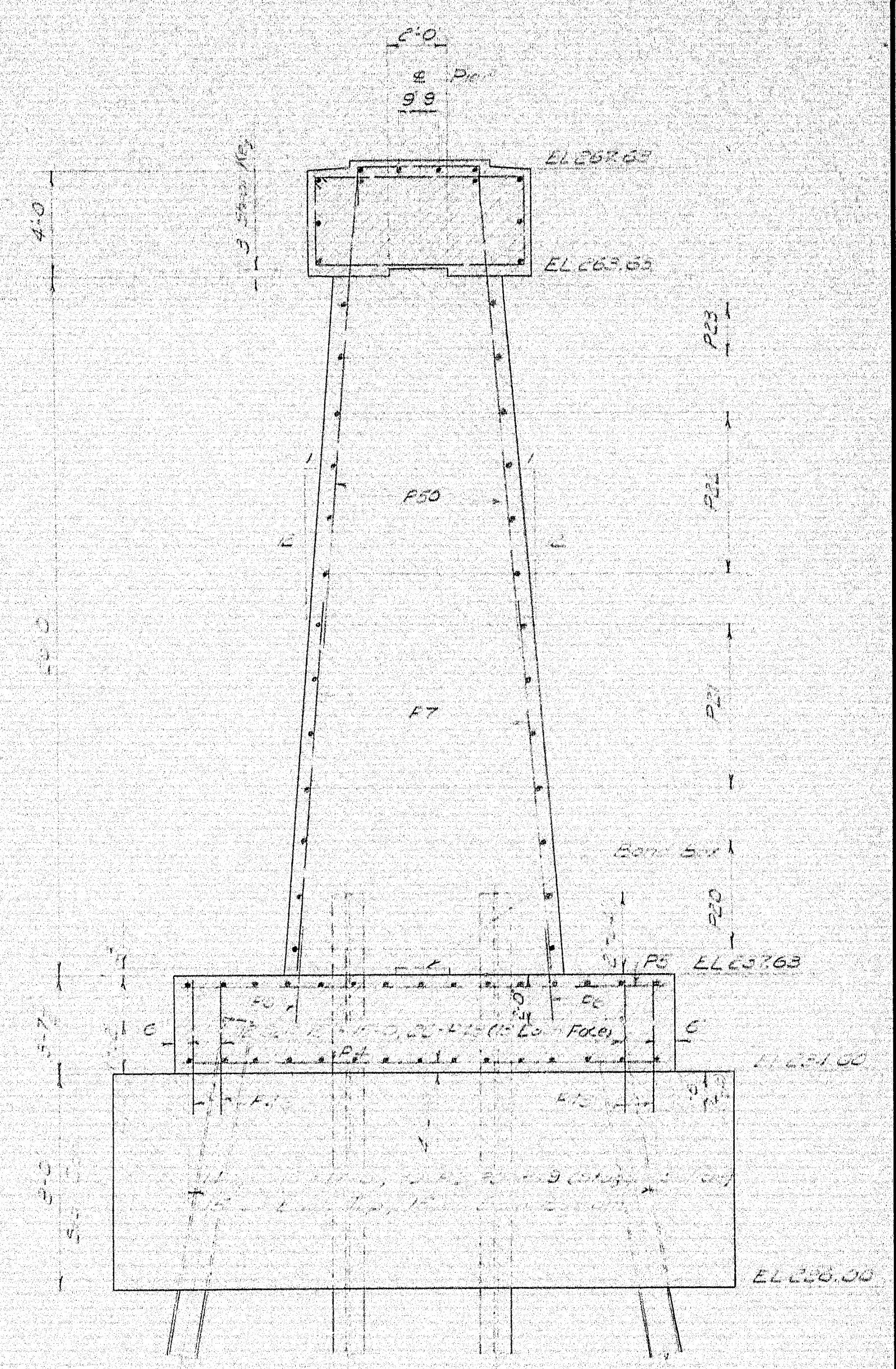


Note: True radius normal to 3/4" nose batter to facilitate construction. Typical for all piers.



PILE PLAN at Elevation 226.0

SIDE ELEVATION



SECTION B-B

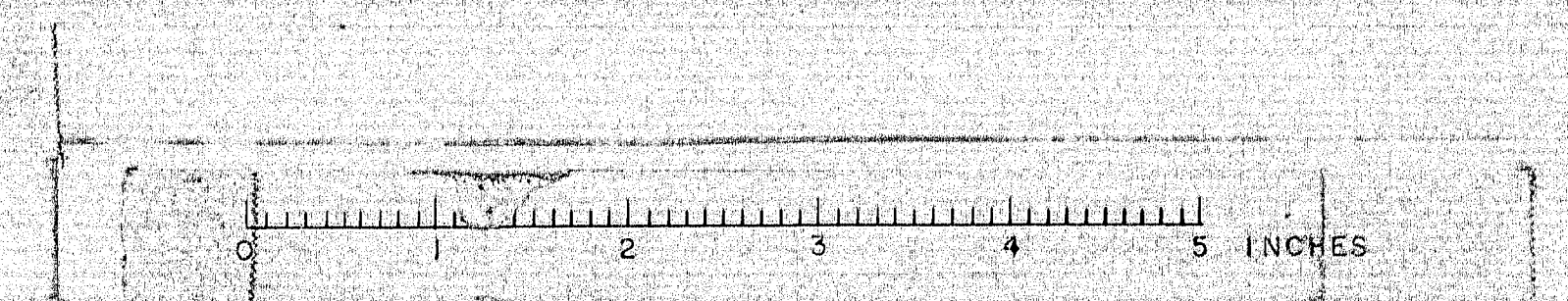
PILE NOTES - PIERS "1"

Total Required: 60 - 14 BP89  
 Actual Load Per Pier: 104 Tons  
 Piles to extend into pier shaft. All others extend into distribution slab.  
 Estimated length of piles:  
 22 @ 45' NB  
 8 @ 60' NB  
 22 @ 45' SB  
 8 @ 60' SB

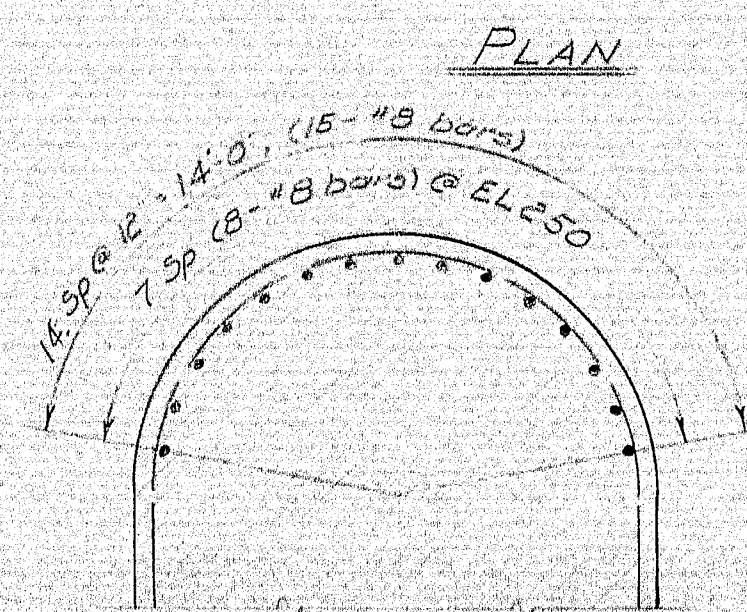
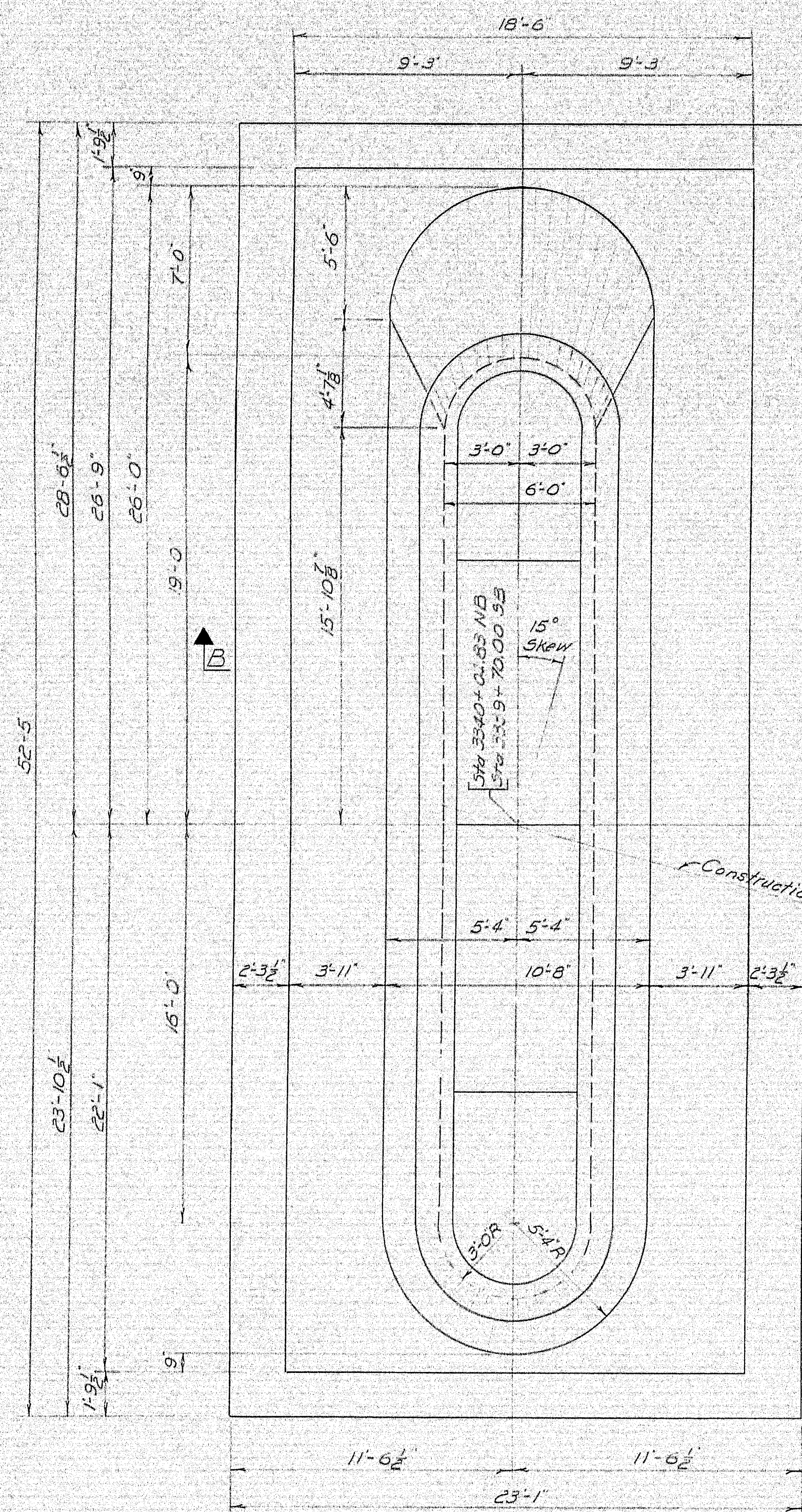
Note: For General Pier Notes and Pier Cap Details see Sheet #76.

DESIGN - MCR	BRIDGE NO.
TRACE - MCR	199
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	

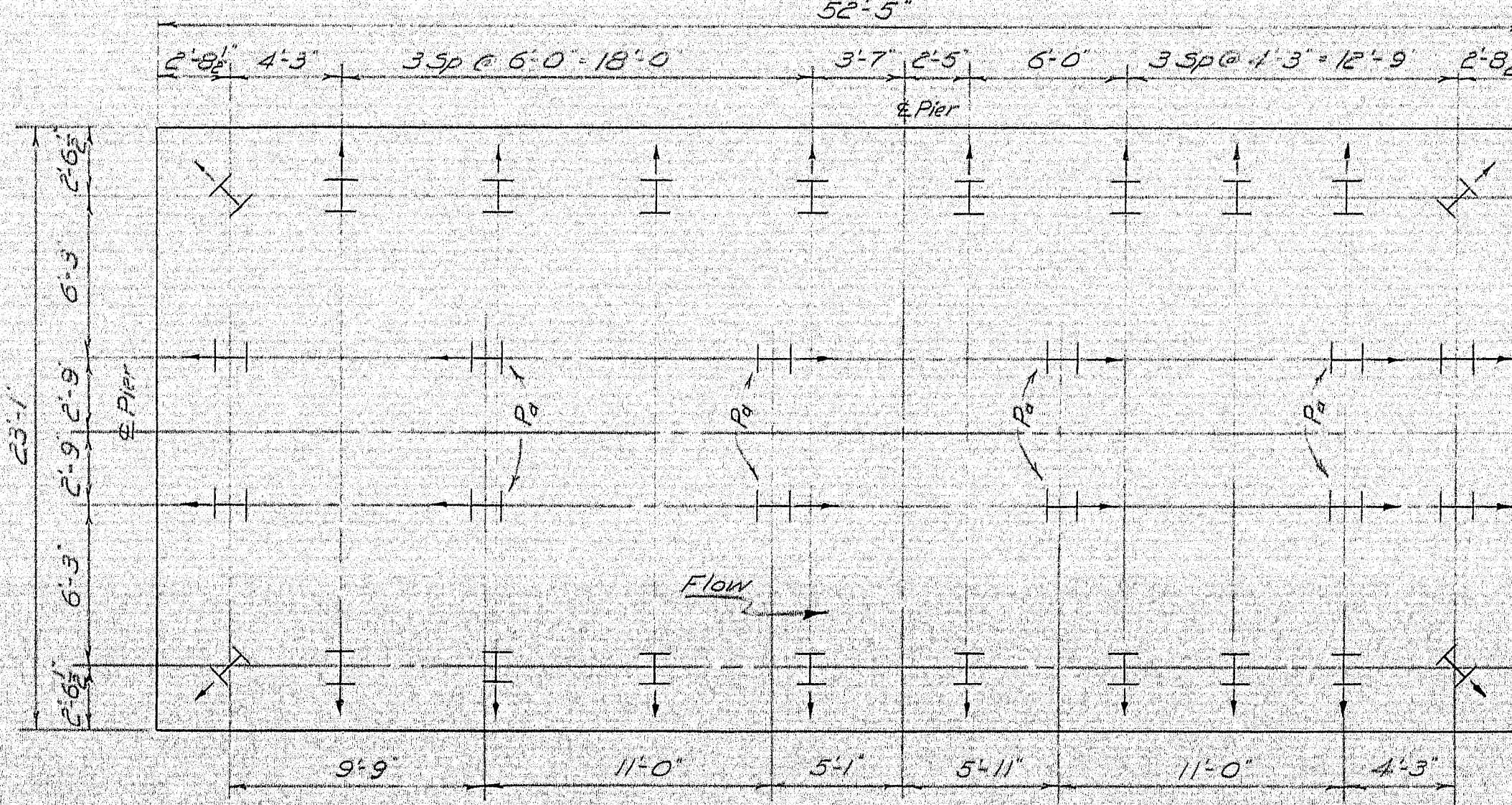
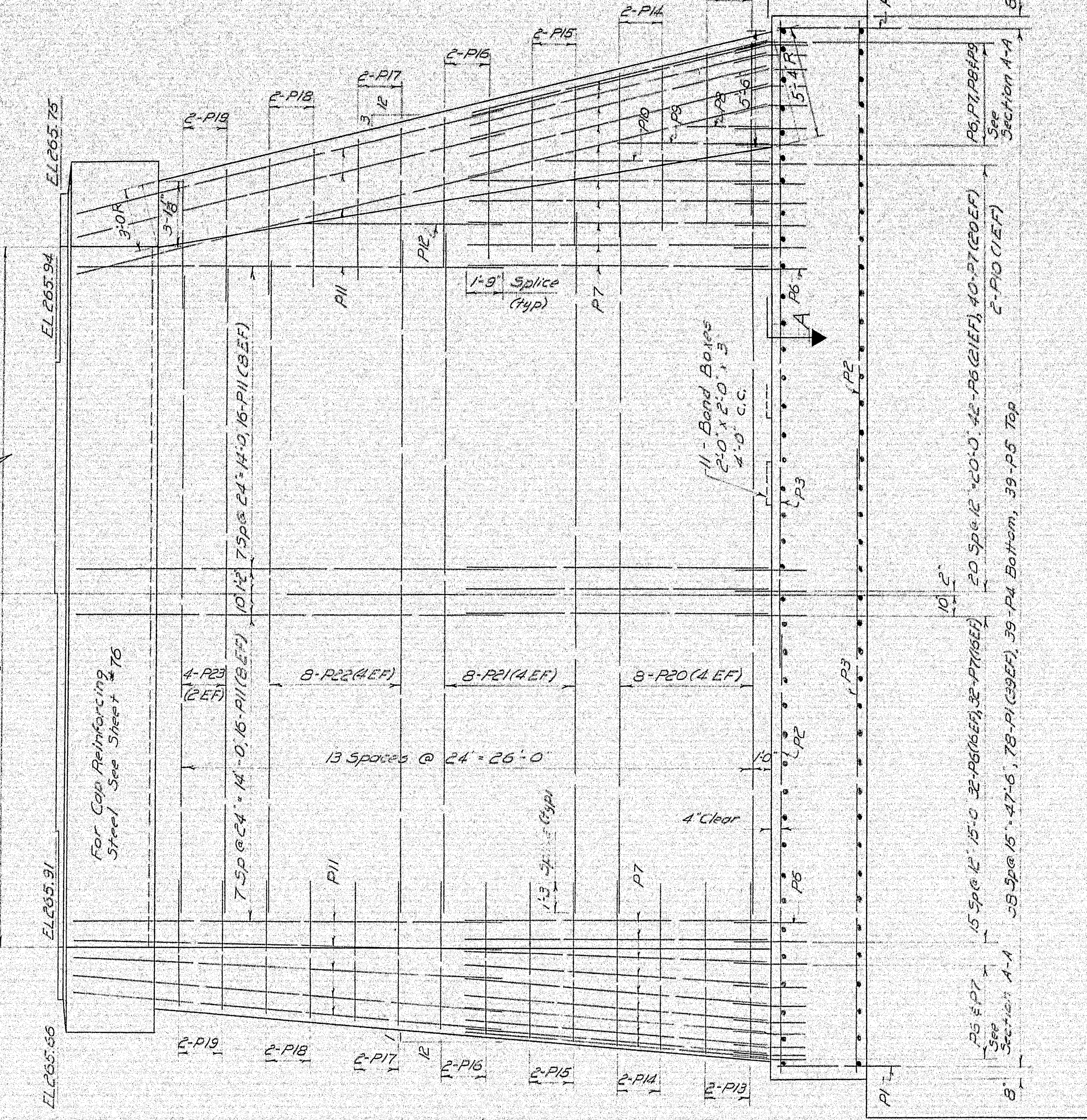
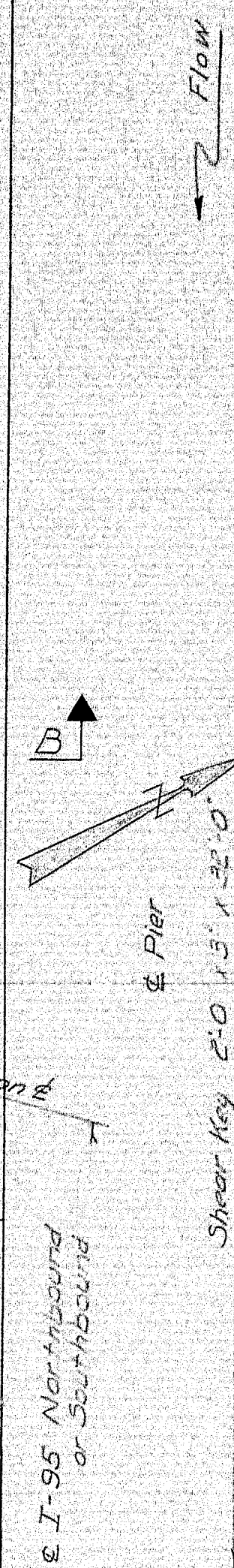
99-77







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



PILE PLAN  
At EL 218.00

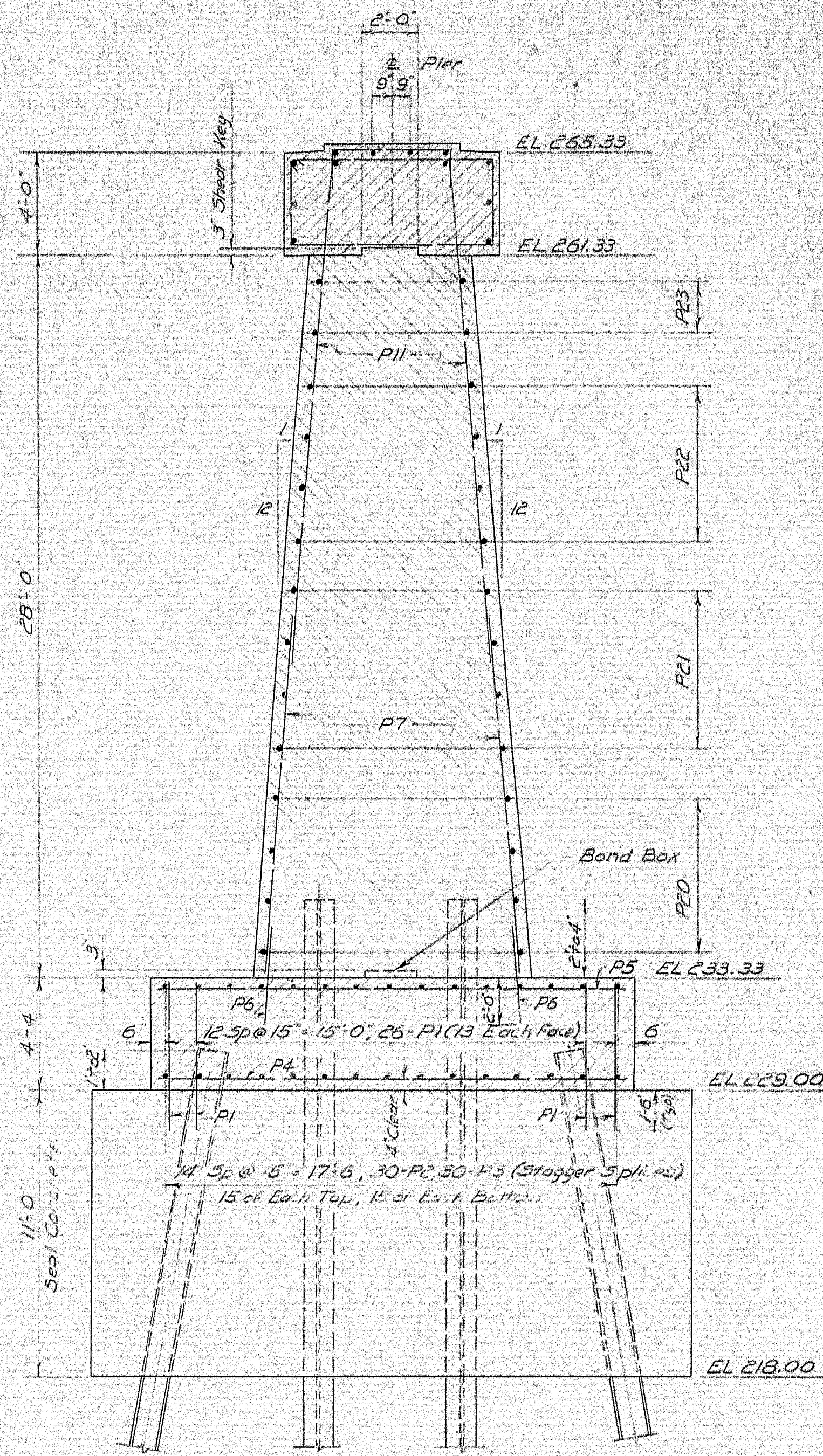
### PILE NOTES - PIERS #2

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 - $P_2$ @ 45	
24 @ 40	
8 - $P_2$ @ 45	SB

### SECTION B-B

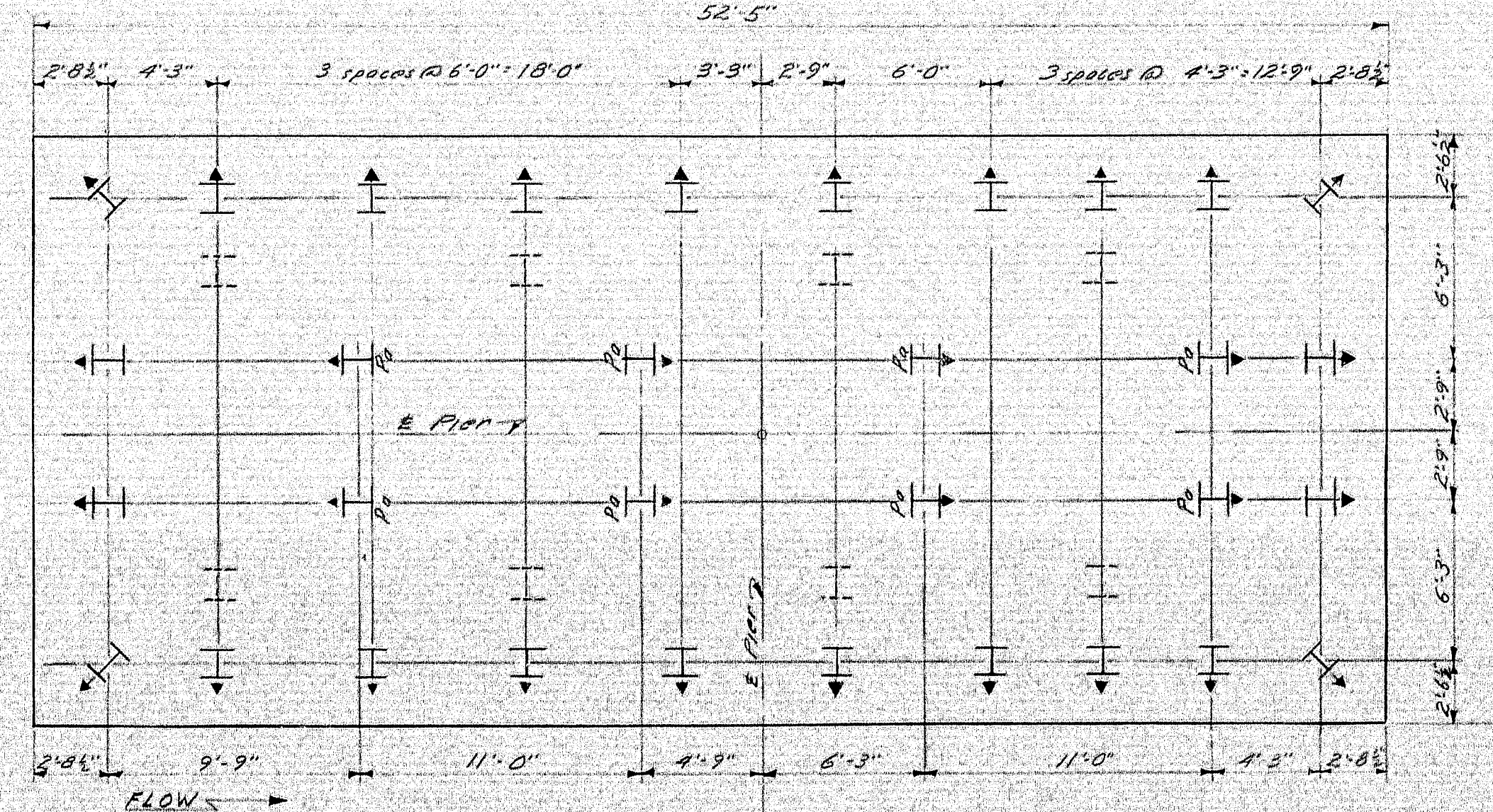
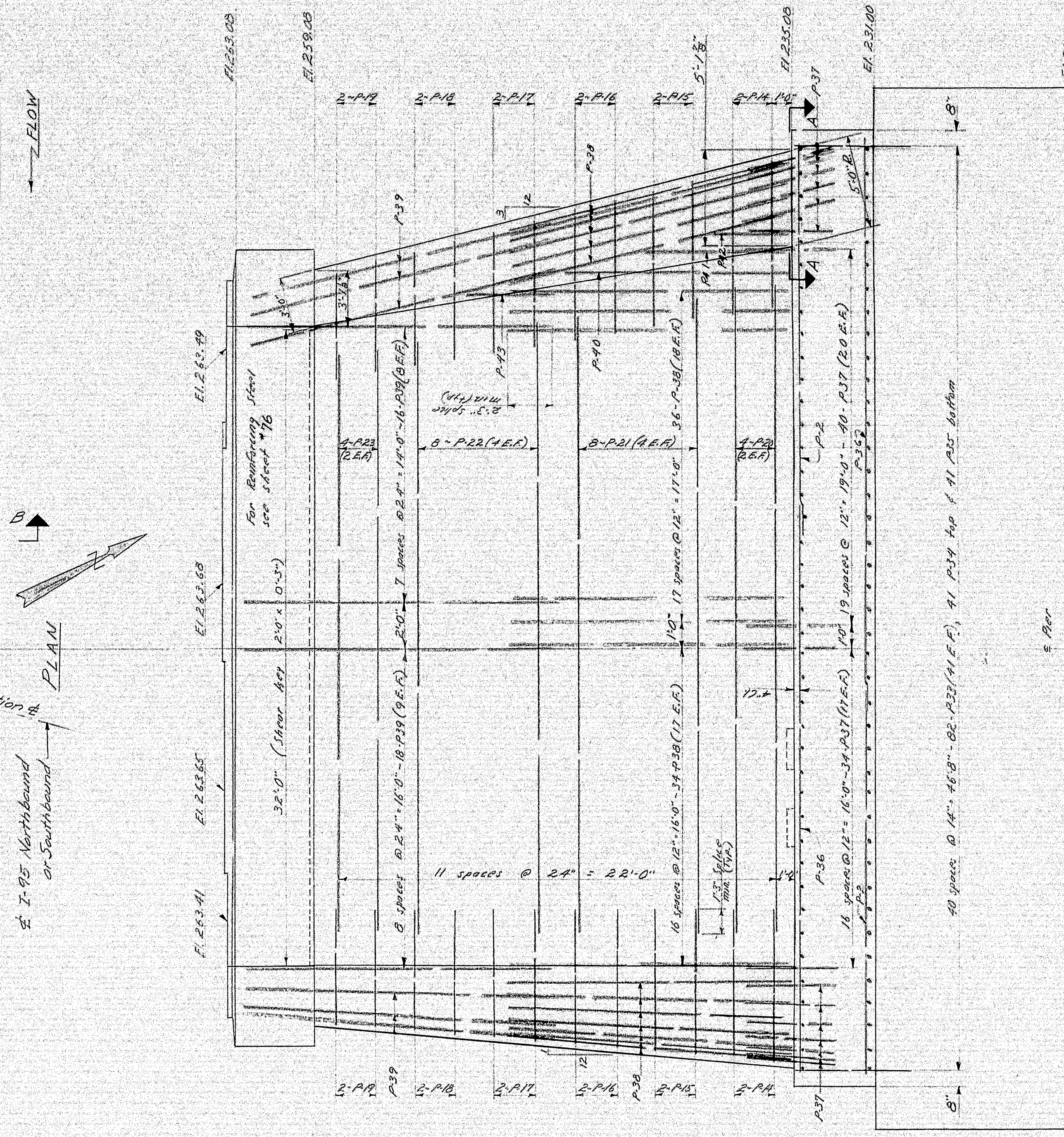
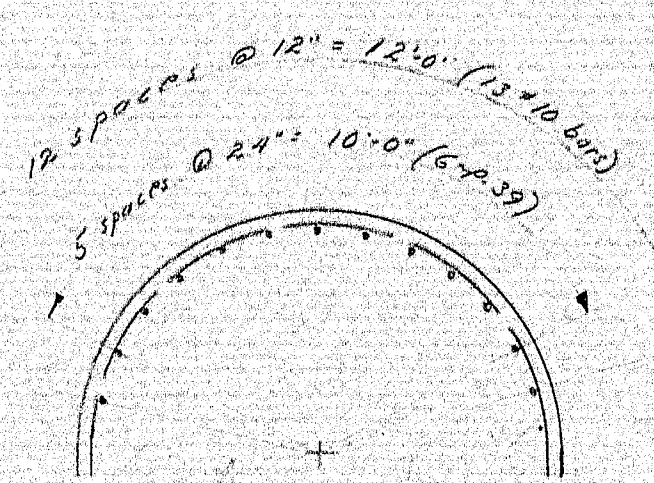
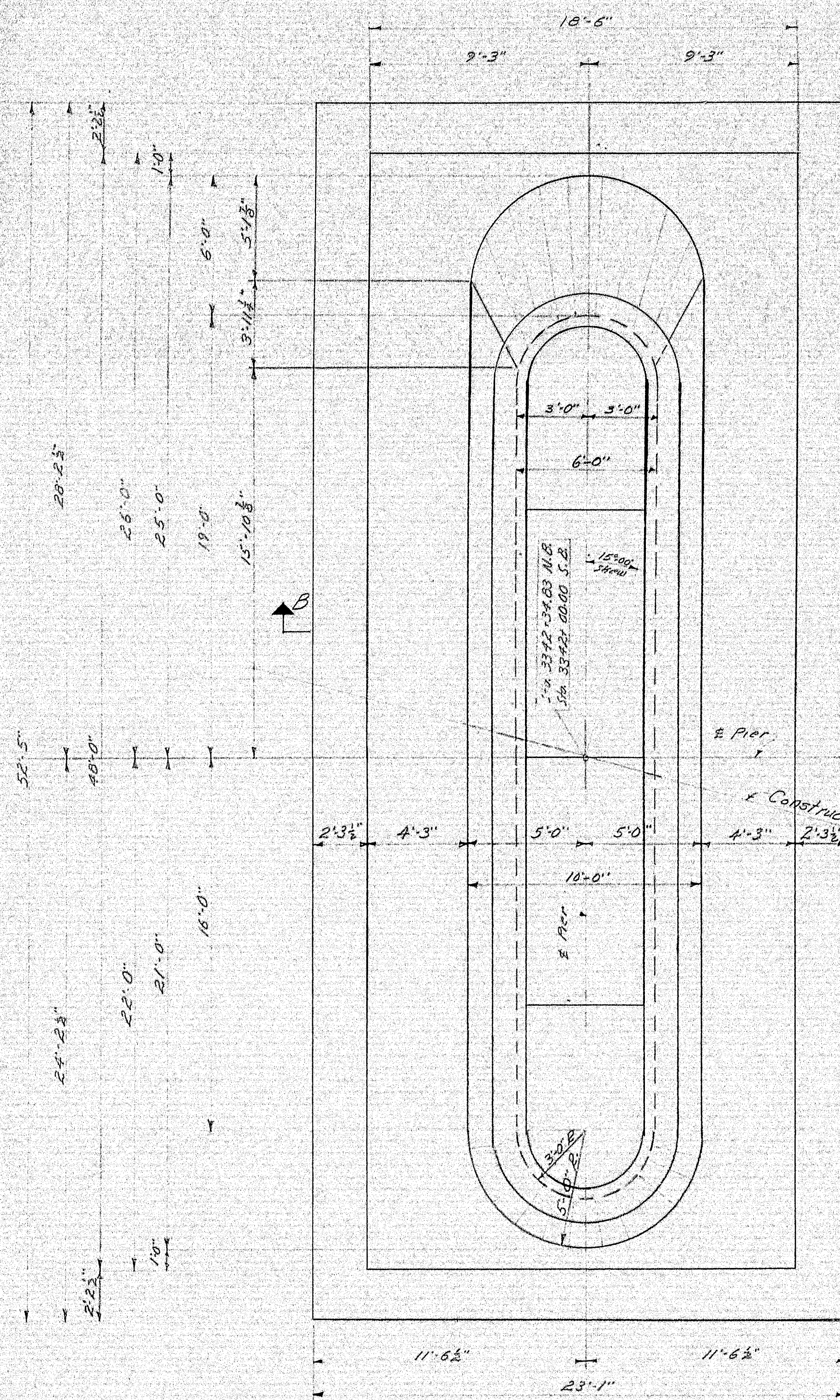
Note: For General Pier Notes and Pier Cap Details see Sheet #75.



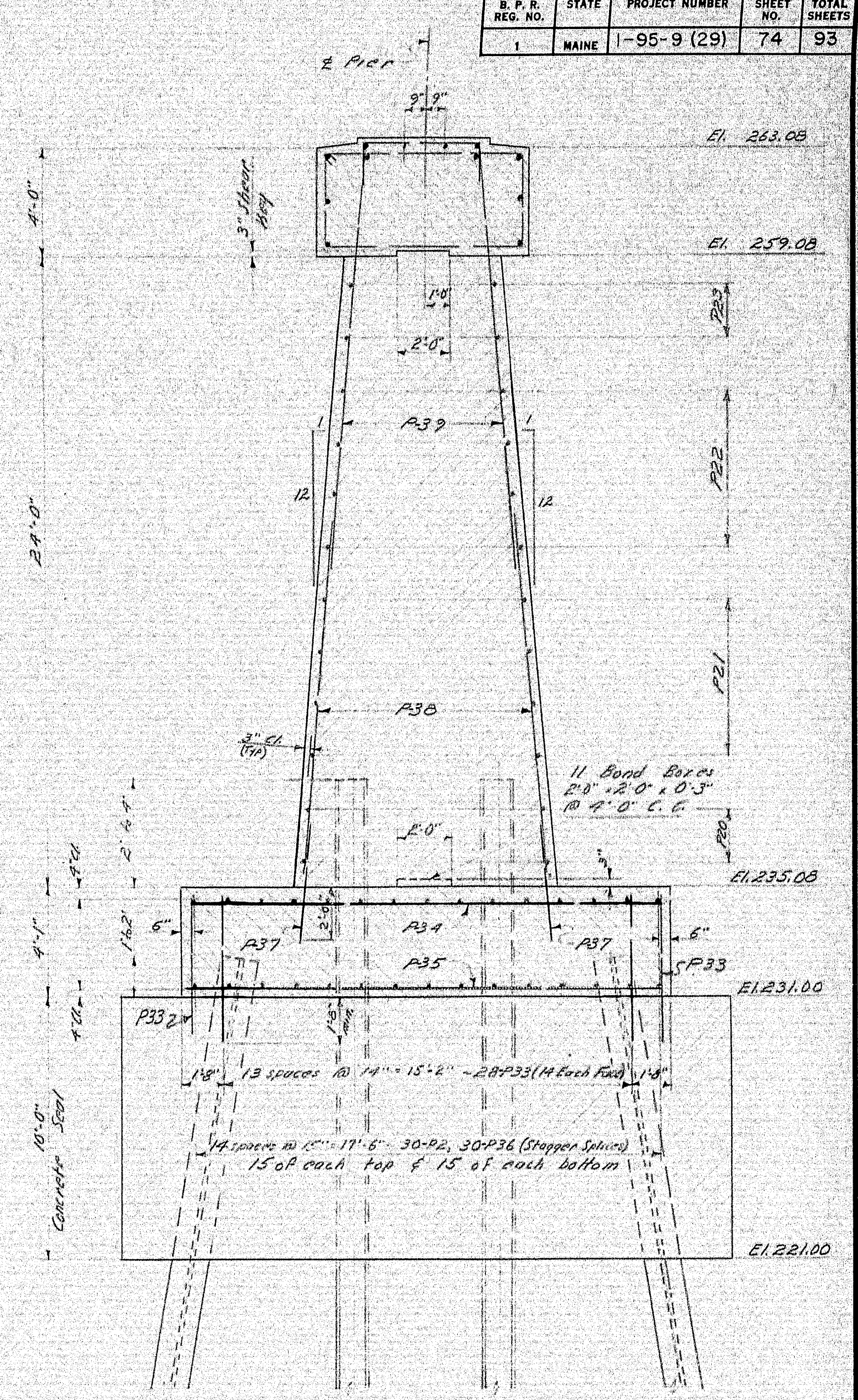
DESIGN - MCB	BRIDGE NO.
TRACE - HRO	SURVEY -
CHECK - HMM	PLAT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
INTERSTATE 95	
OVER	
PENOBSCOT RIVER	
IN THE TOWN OF	
MEDWAY	
PENOBSCOT COUNTY	
PIERS 2	
SHEET 73 OF 93	AUGUSTA, MAINE OCT. 1964

99-78





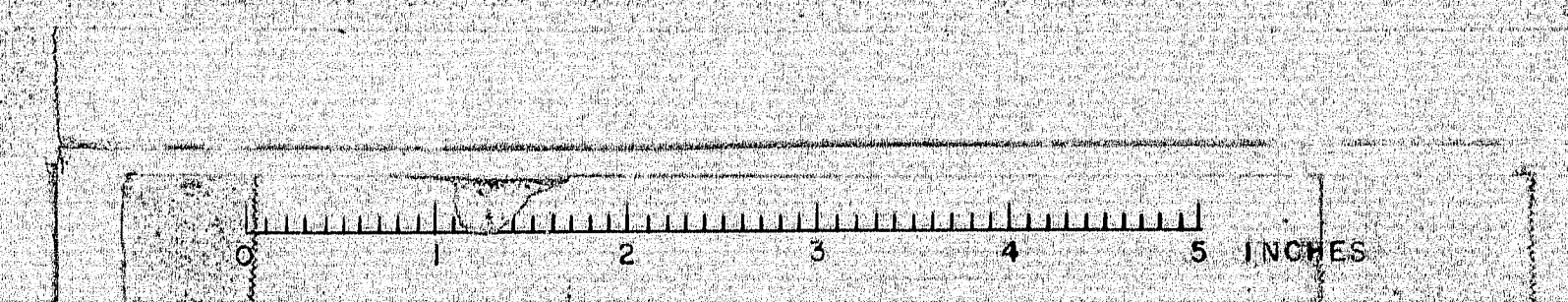
**PILE NOTES - PIERS #3**  
 6d. HBBB Total Required  
 Actual load per pile: 102 Tons  
 Drive an extra pile in one of the indicated locations (I) as determined by the Engineer for each pile that can not be driven below Elev. 210.0. Extra pile not included in "Estimated Length of Piles."  
 Piles to extend into Pier shaft. All others extend into distribution slab.  
 Estimated length of piles:  
 P<sub>1</sub> - 24 @ 48" - NB  
 P<sub>2</sub> - 8 @ 45" - NB  
 P<sub>3</sub> - 24 @ 45" - NB  
 P<sub>4</sub> - 8 @ 45" - NB  
 P<sub>5</sub> - 8 @ 45" - NB



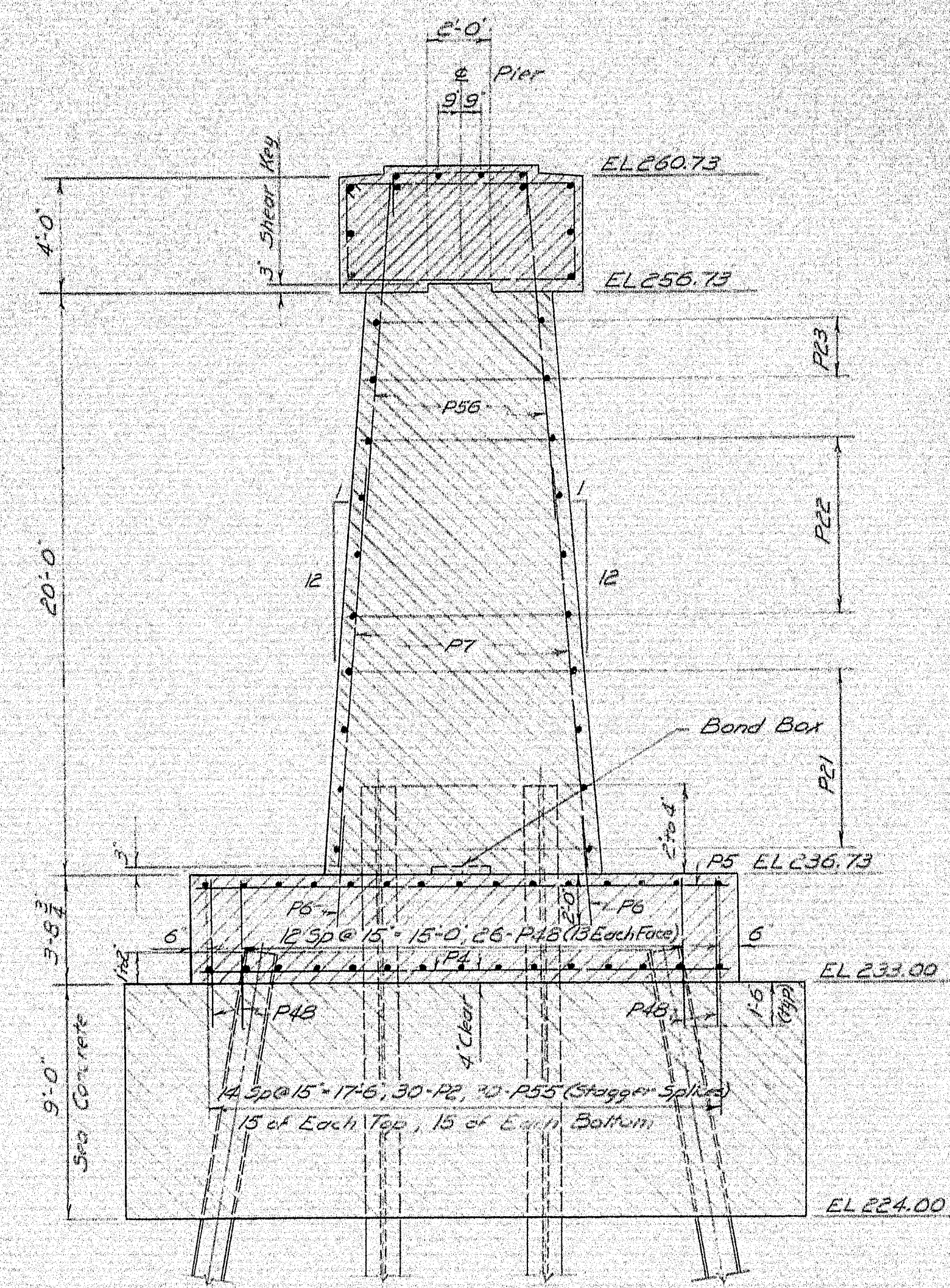
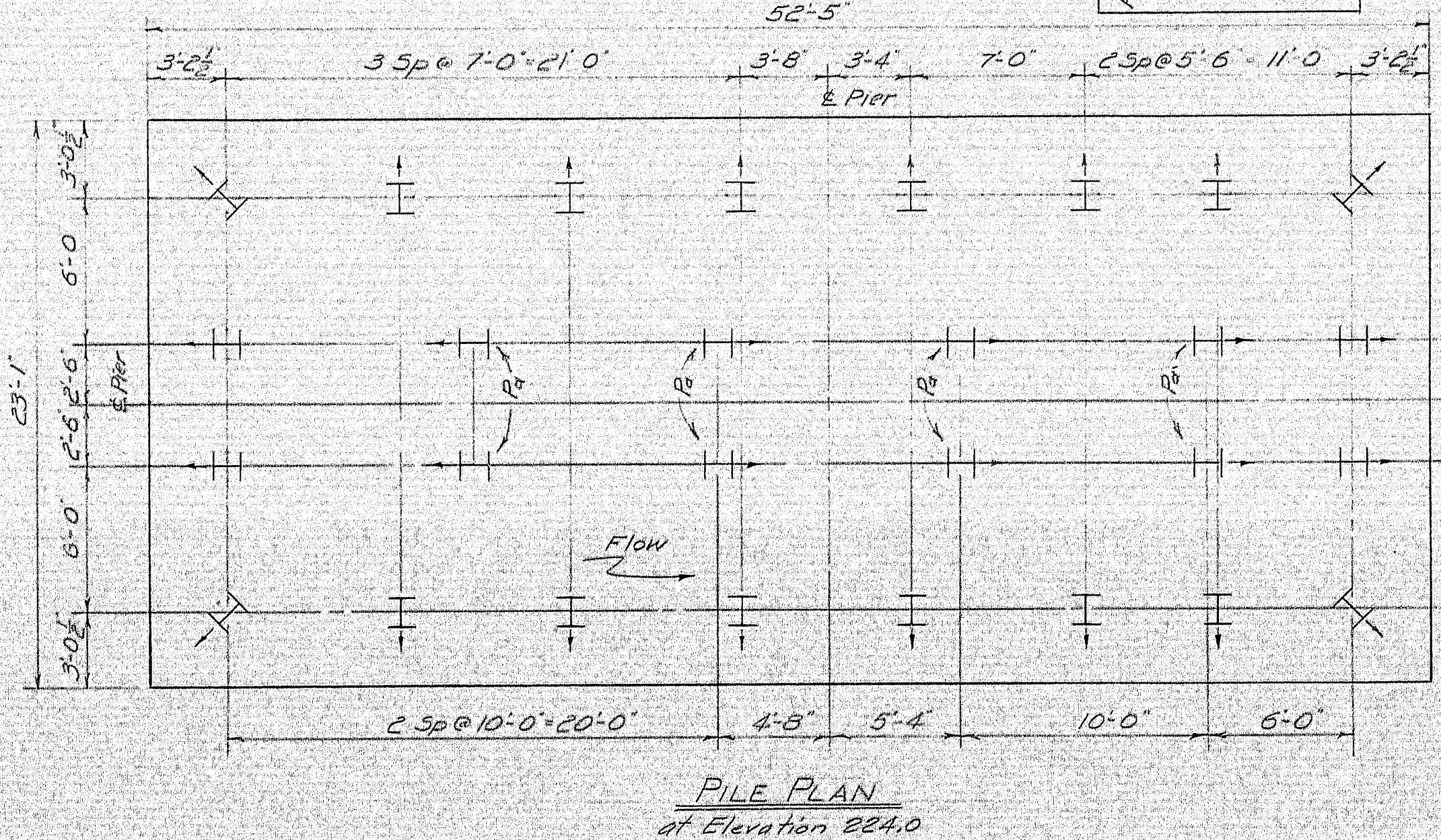
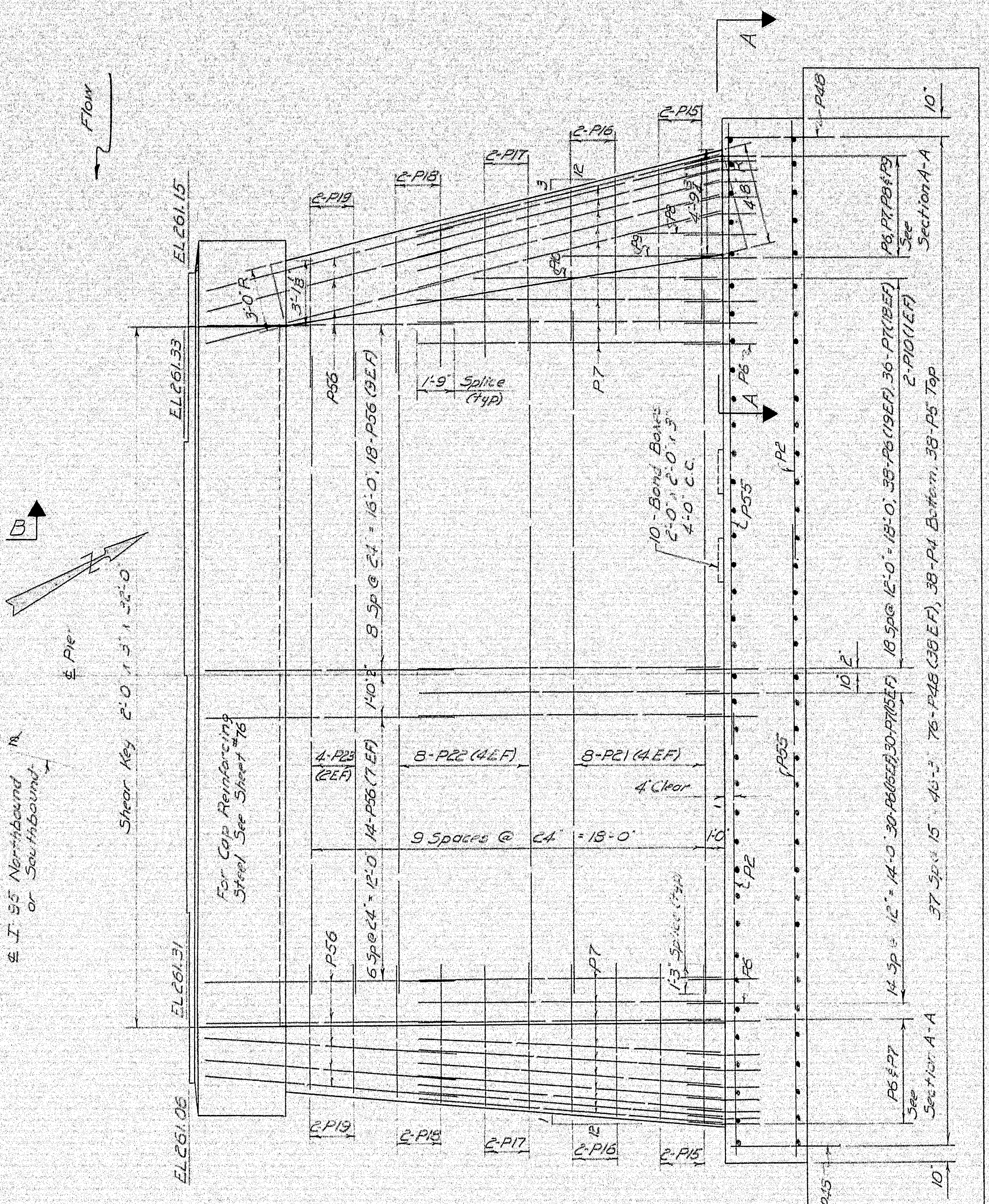
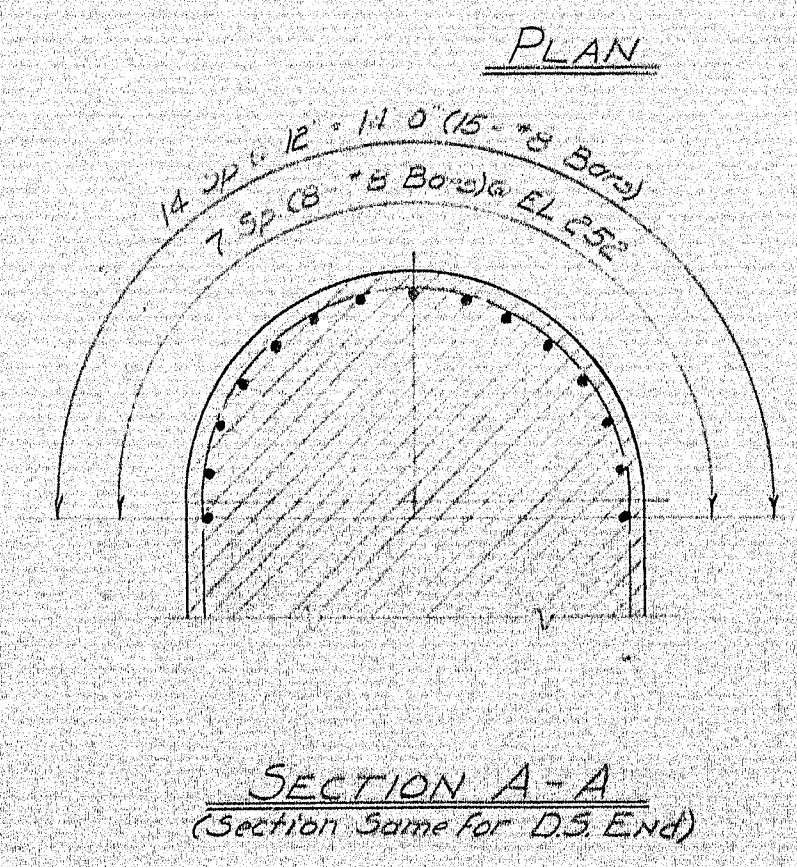
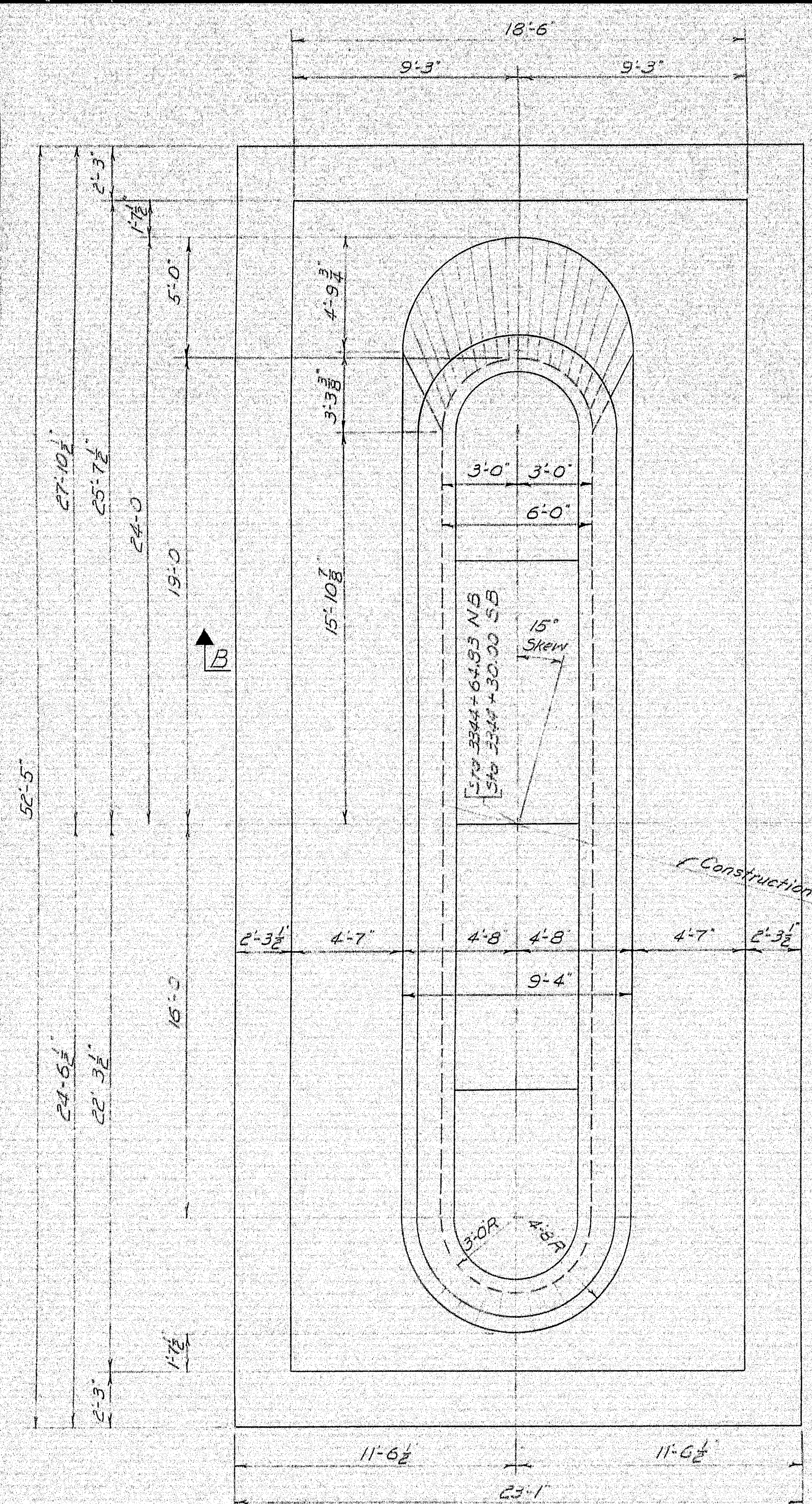
Note: For General Pier Notes and Pier Cap Details see Sheet #76.

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

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**PILE NOTES - PIERS 4**

Total Required: 56 - 14BP89  
 Actual Load per pile: 105 Tons  
 Piles P<sub>2</sub> extend into pier sheet. All others extend into distribution slab.  
 Estimated length of piles:

20 @ 40'	NB
8 - P <sub>2</sub> @ 45'	
20 @ 40'	SB
8 - P <sub>2</sub> @ 45'	

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

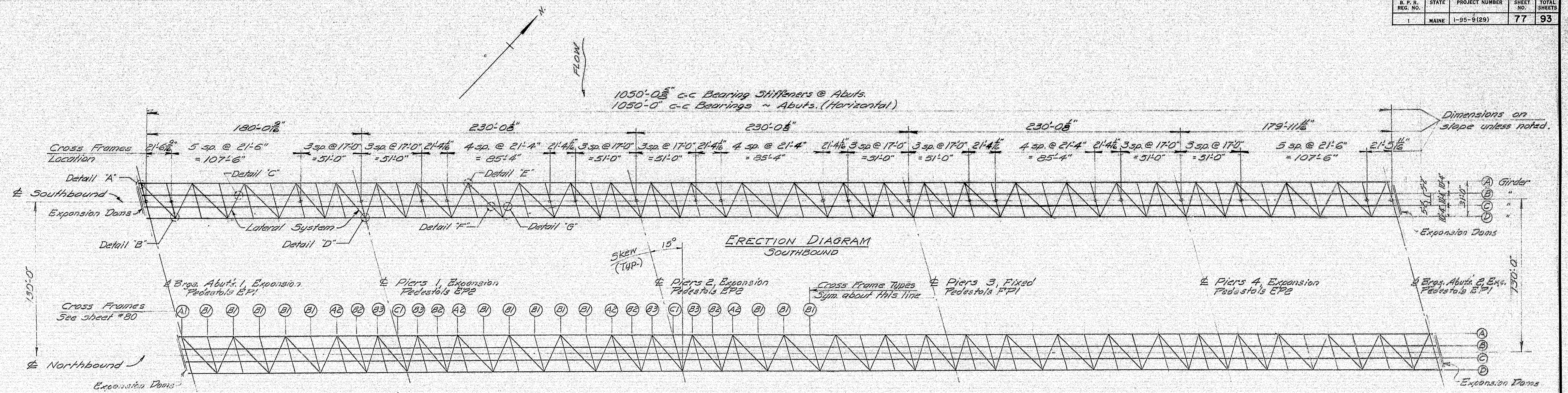
DESIGN - MCR TRACE - N/A CHECK - MCR	BRIDGE NO. SURVEY PLOT
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
INTERSTATE 95	
OVER	
PENOBSCOT RIVER	
IN THE TOWN OF	
MEDWAY	
PENOBSCOT COUNTY	
PIERS 4	
SHEET 75 OF 93 AUGUSTA, MAINE OCT. 1964	

99-80

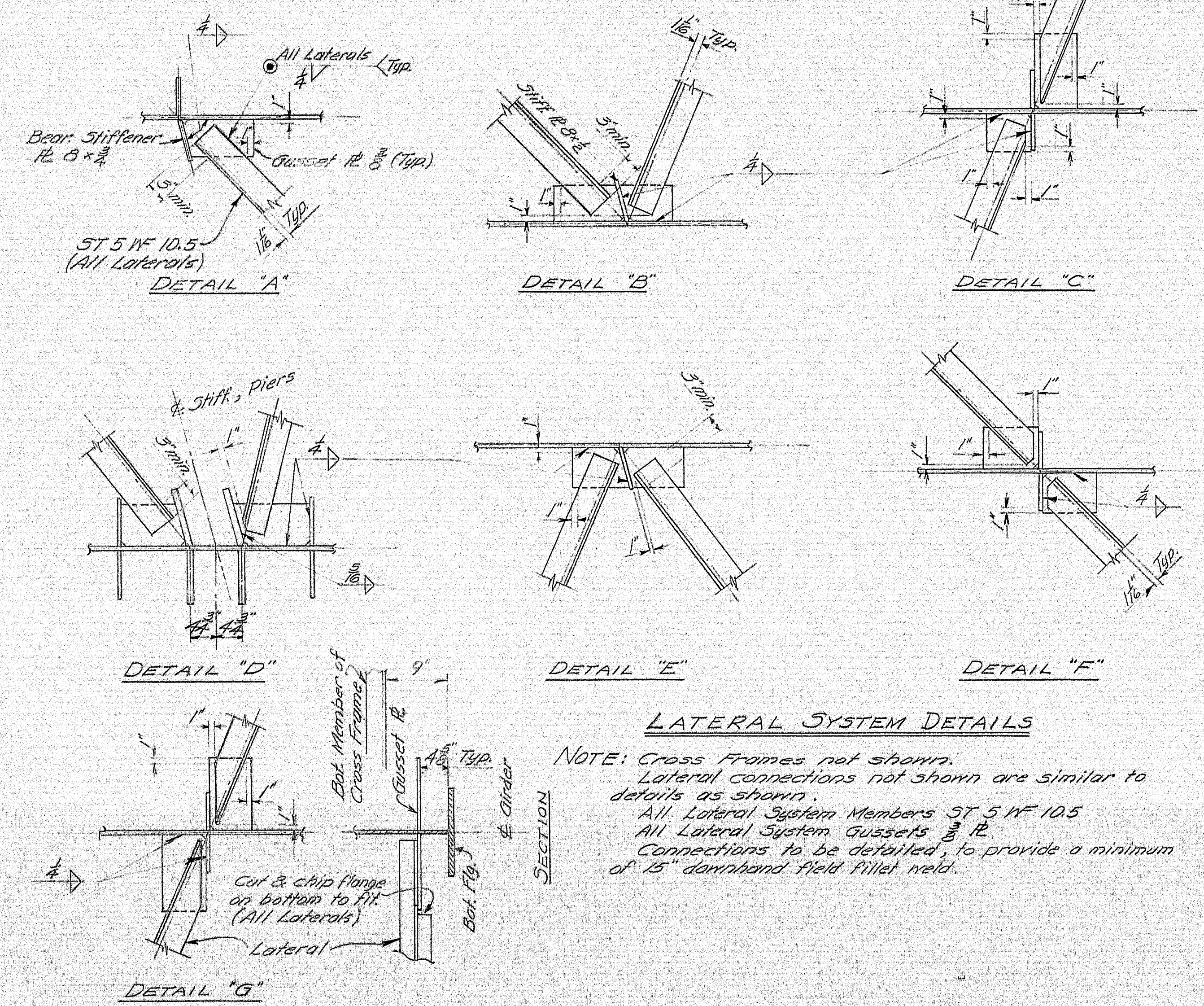








**ERECTION DIAGRAM NORTHBOUND**  
 NOTE: Same as for Southbound



**GIRDER FABRICATION NOTES**

The steel fabricator at his option may fabricate the web plates with butt welds with the following limitations:

- A maximum of 2 transverse welds in the A36 sections per girder per span.
- 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 details 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

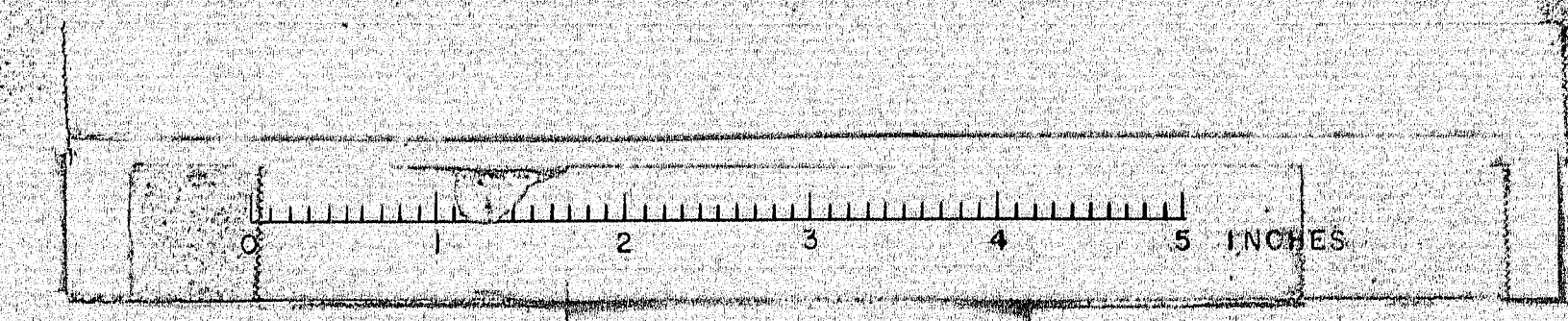
For Details see shs. 82, 83 and Standard Details BD 104-04.

For Expansion Joints see Standard Details BD 105-04 and as follows:

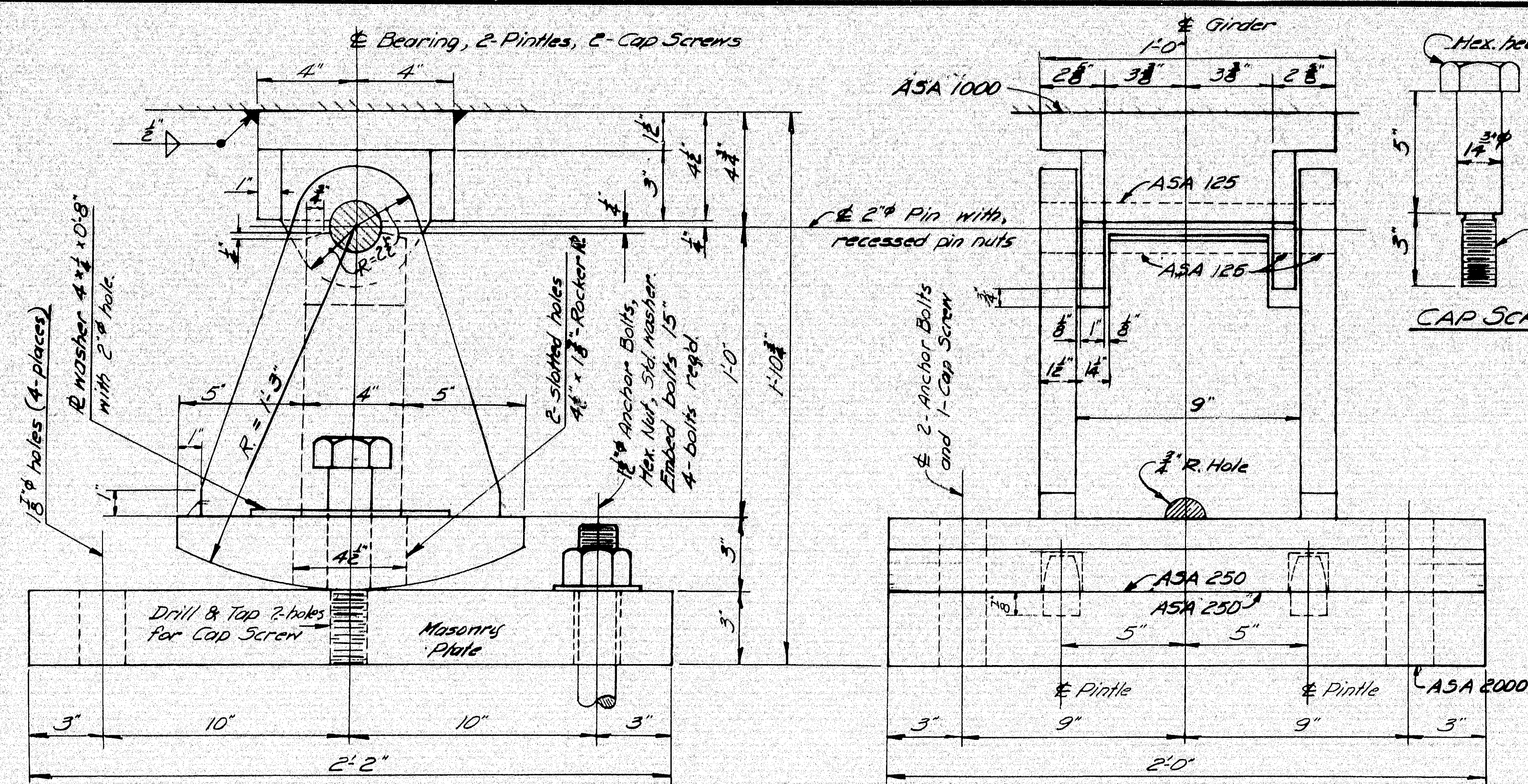
- At Abutment 1 - Southbound & Northbound 5'-0" Roadway Expansion Joints Type D
- At Abutment 2 - Southbound & Northbound 4'-0" Roadway Expansion Joints Type B
- At Abutment 3 - Southbound & Northbound 4'-0" Roadway Expansion Joints Type B
- At Abutment 4 - Southbound & Northbound 4'-0" Roadway Expansion Joints Type B
- At Abutment 5 - Southbound & Northbound 4'-0" Roadway Expansion Joints Type B

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	

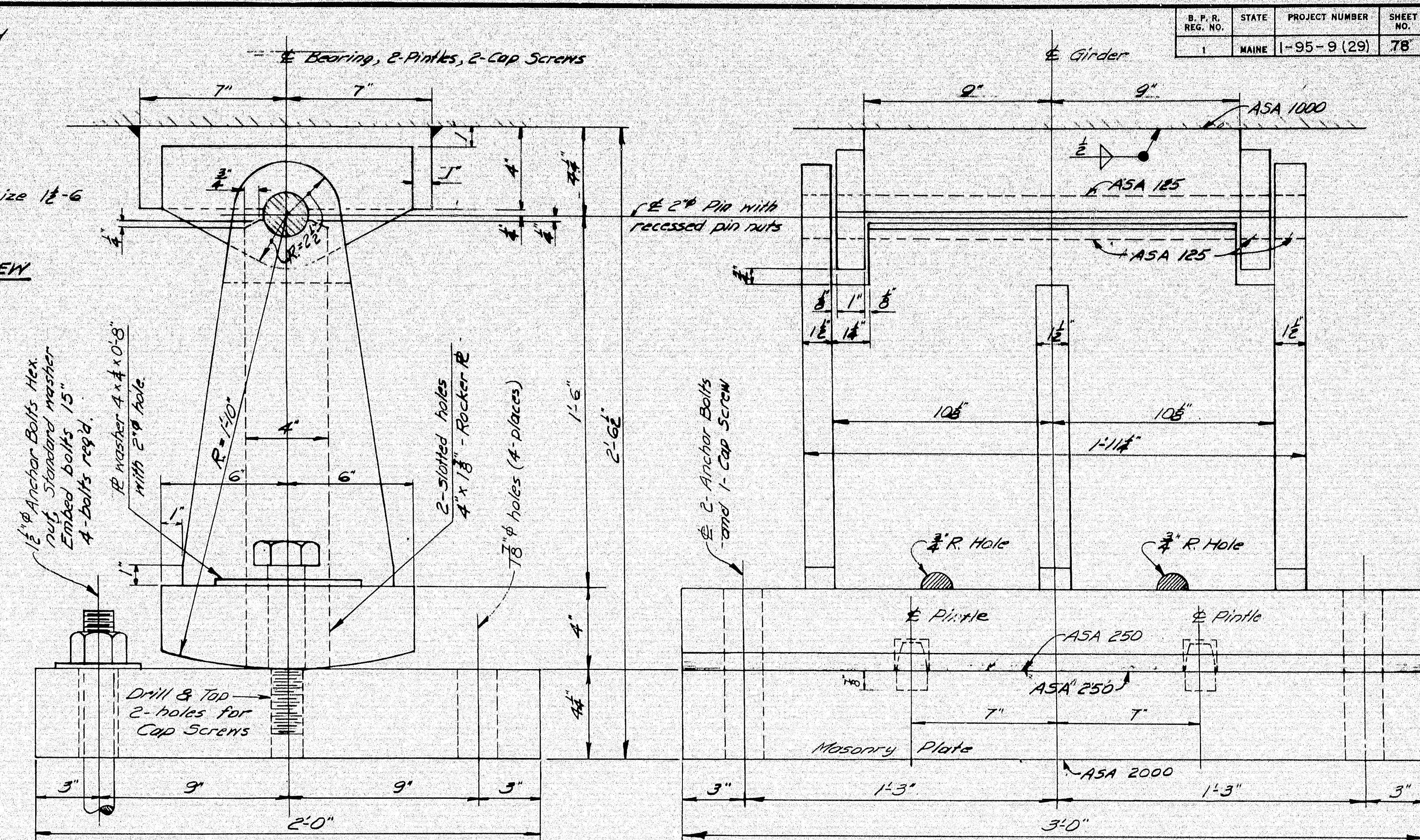
**99-82**



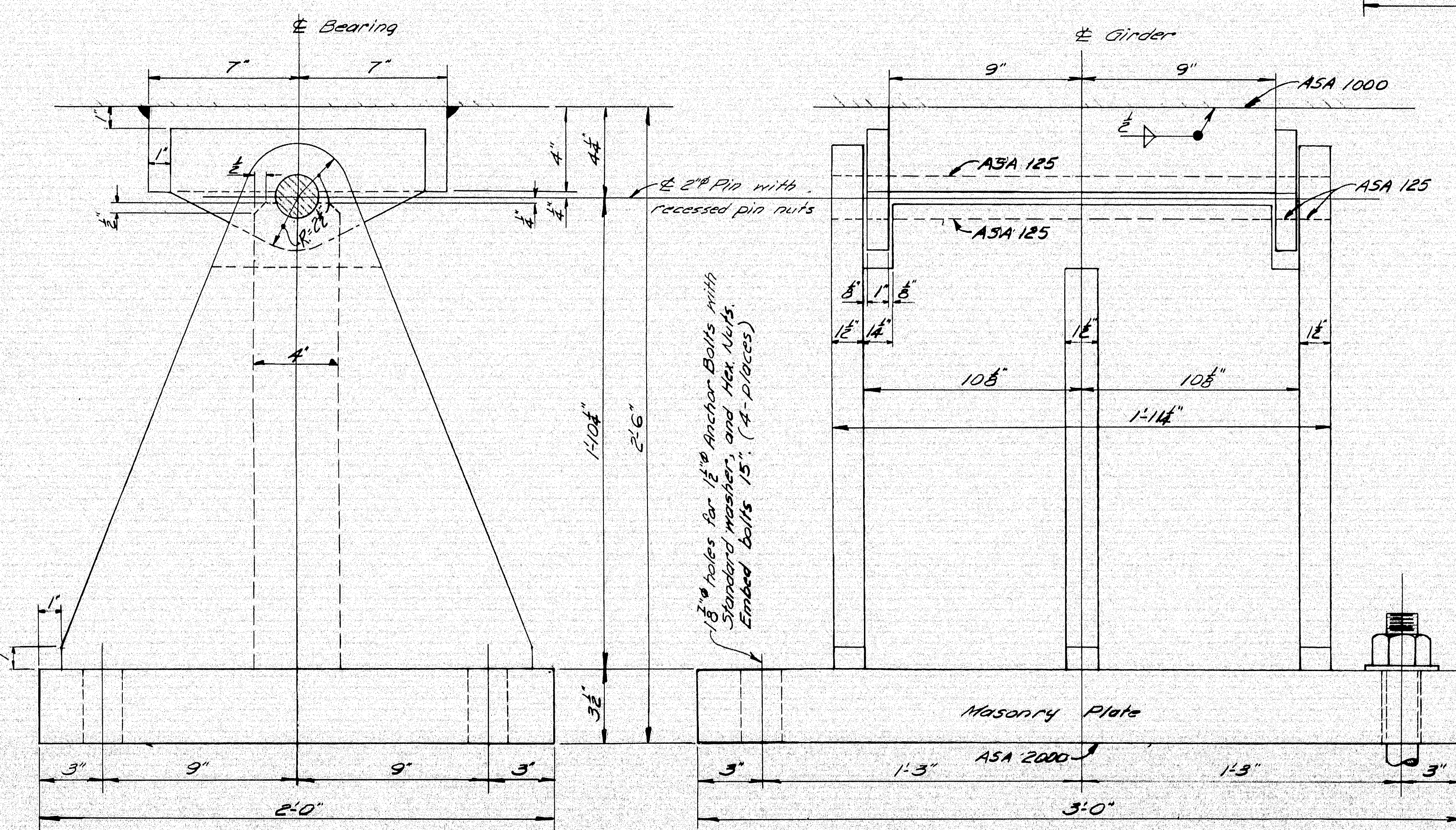




**EXPANSION PEDESTAL EPI - ABUTMENTS**  
 8 Regd. Southbound  
 8 Regd. Northbound

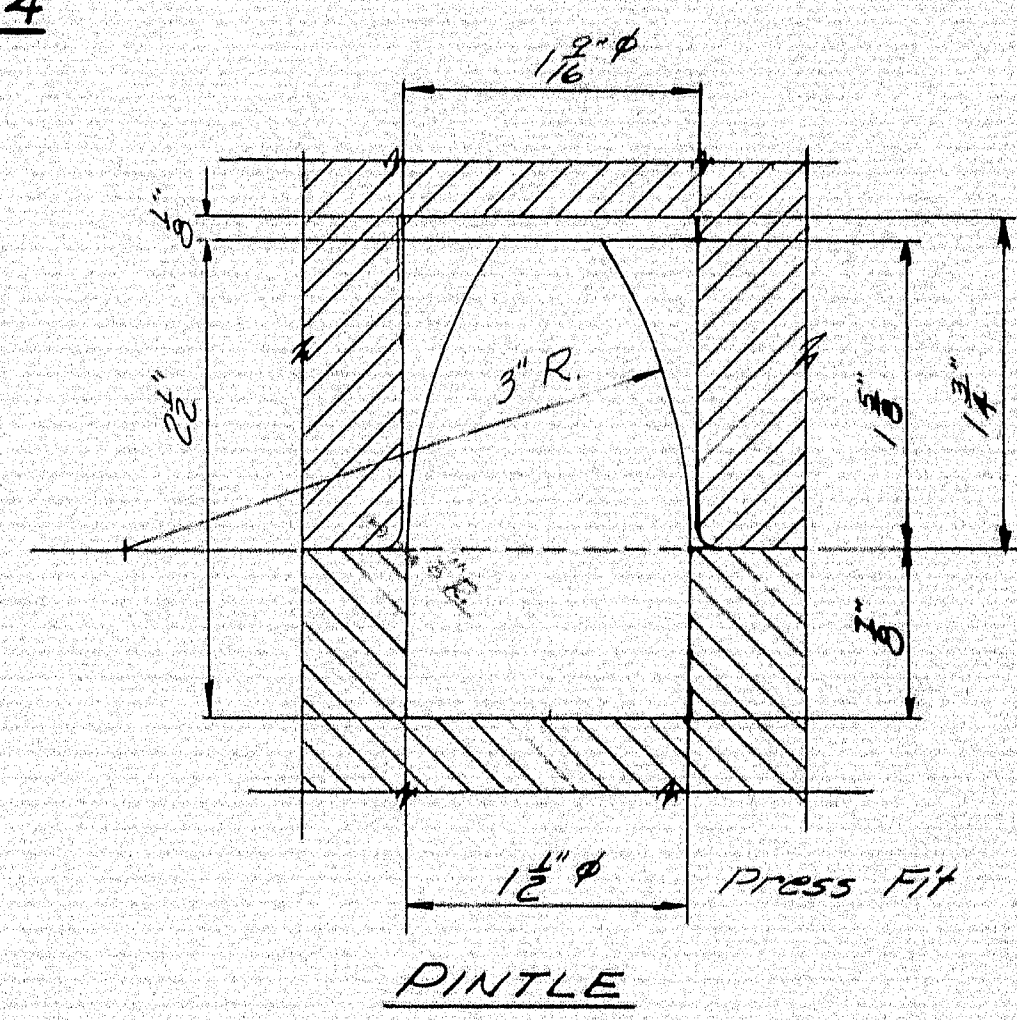


**EXPANSION PEDESTAL EP2 - PIERS 1, 2 & 4**  
 12 Regd. Southbound  
 12 Regd. Northbound



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

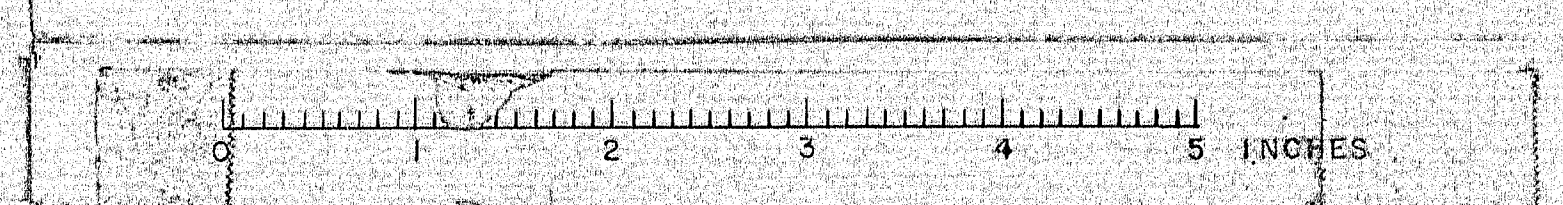
**GENERAL NOTES**  
 Material for two structures, Northbound & Southbound  
 Fabricate pedestals with 1/2" fillet shop welds.  
 At the location of bearing pedestals the concrete bridge seats shall be dressed one inch larger all around than size of masonry plates and to exact elevations shown on the 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 - J. J. J.	BRIDGE NO. 100
TRACE - G. J. J.	SURVEY - 100
CHECK - J. J. J.	DATE - 10/1/64

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

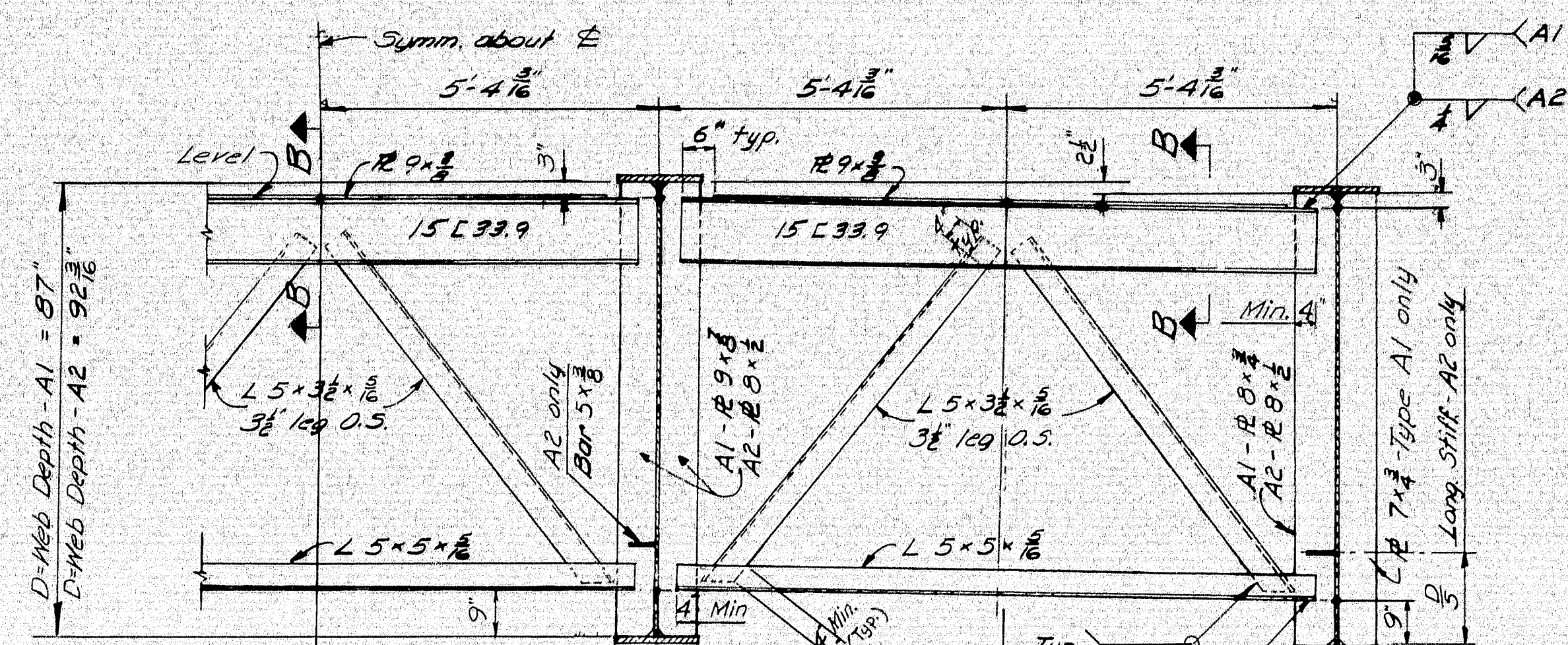
99-83



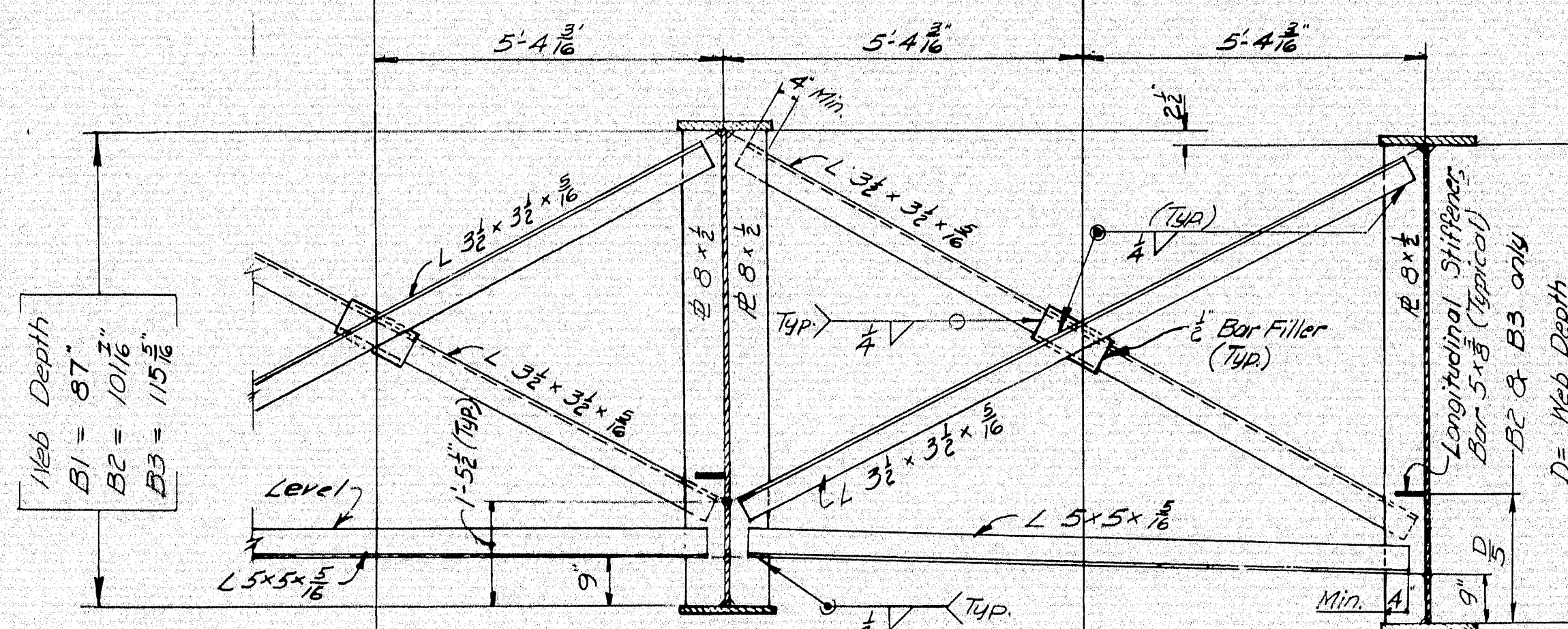




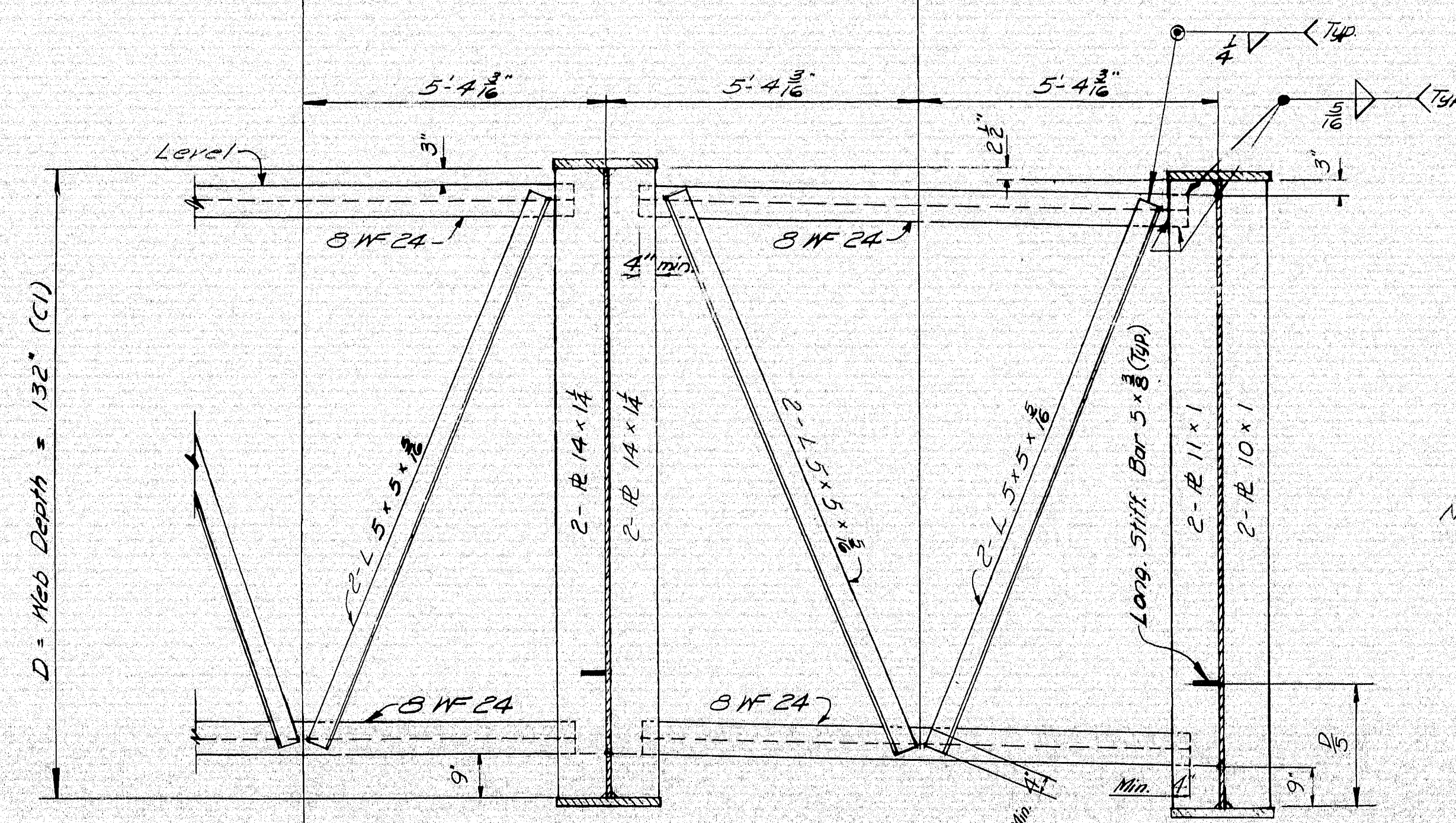




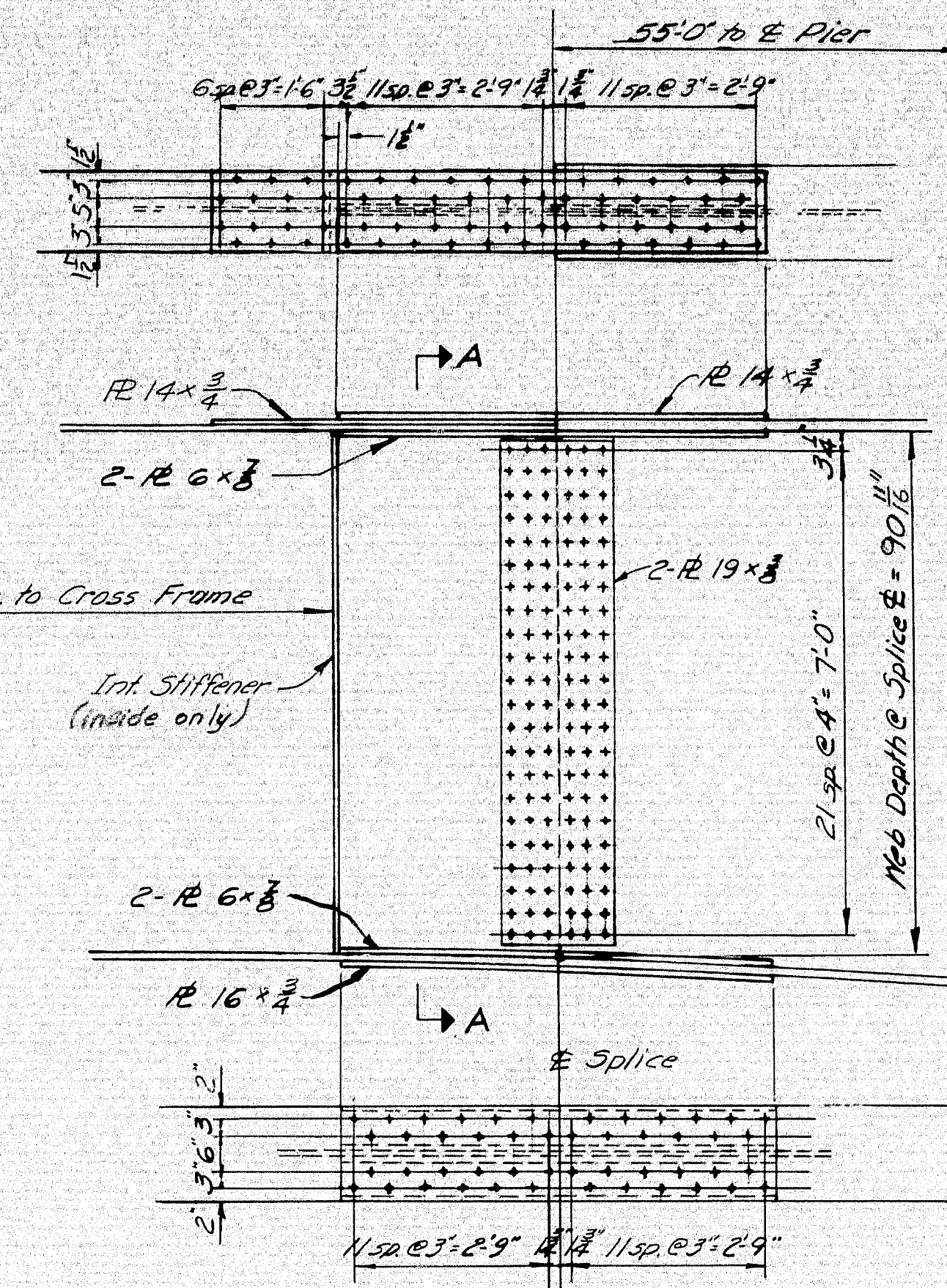
CROSS FRAME - TYPE "A"  
A1 - A2



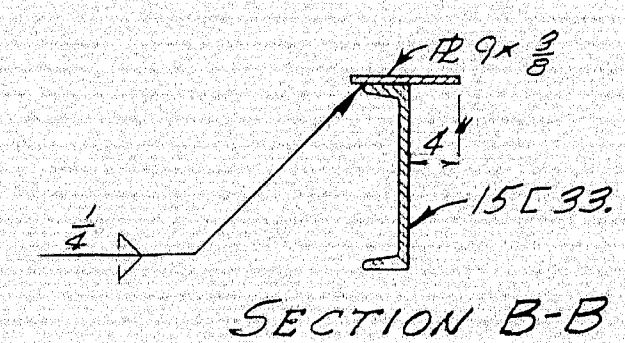
CROSS FRAME - TYPE "B"  
B1 - B2 - B3



CROSS FRAME - TYPE "C"  
C1

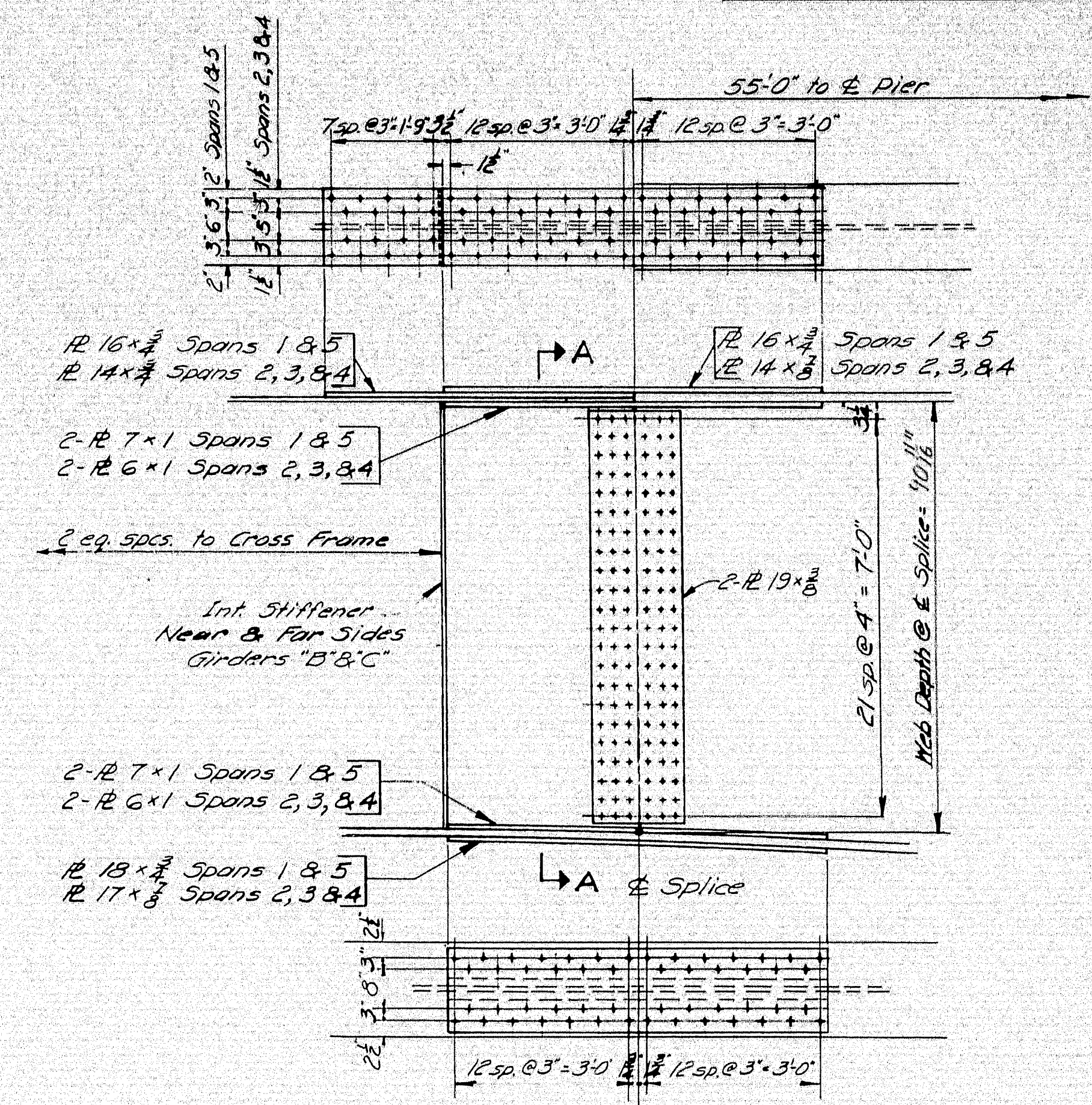


SPLICE DETAIL  
Girders "A" & "D"  
(Exterior)

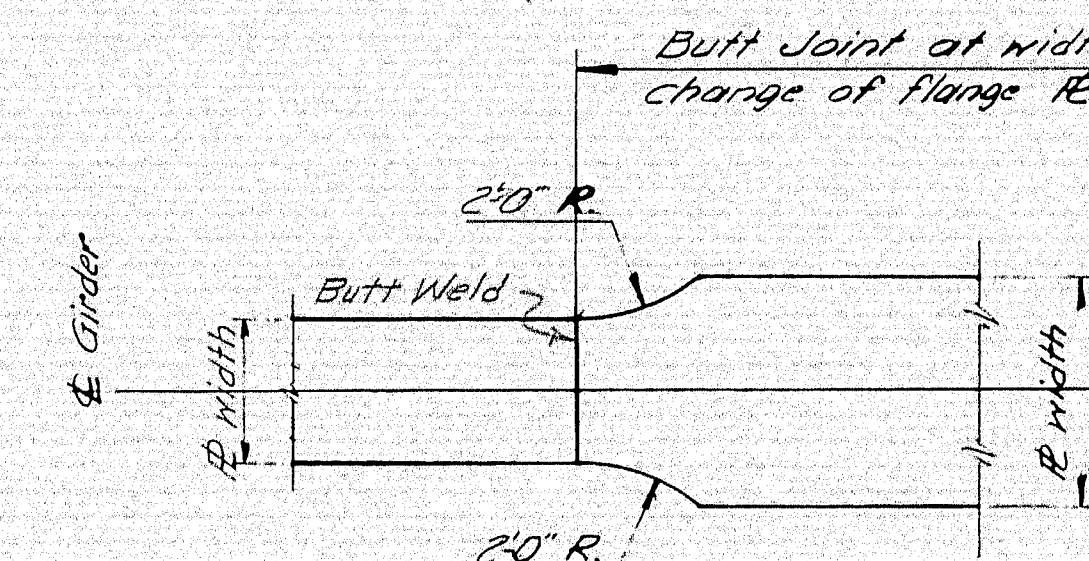


SECTION B-B

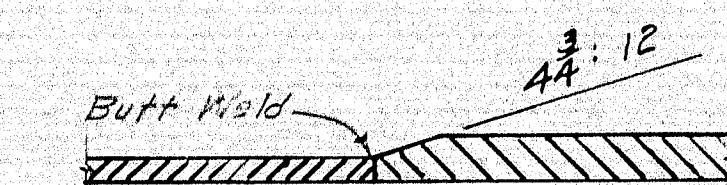
Note: For the convenience of the Contractor  
1-1/8" hole for an erection bolt will be  
permitted at each cross frame connection.



SPLICE DETAIL  
Girders "B" & "C"  
(Interior)



TRANSITION OF WIDTH  
(Typical)



UNEQUAL R THICKNESS  
(Typical)

BUTT JOINT - FLANGE PLATES

Note: Splice connections to be made with  
5/8" High Tensile Strength Bolts. Holes  
to be 15/16".

DESIGN - M.C.R. TRACE - G.W.C. CHECK - A.H.R.	BRIDGE NO. SURVEY - PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
INTERSTATE 95	
OVER	
PENOBSCOT RIVER	
IN THE TOWN OF	
MEDWAY	
PENOBSCOT COUNTY	
CROSS FRAMES & SPLICES	
SHEET 80 OF 93 AUGUSTA, MAINE October 1964	

99-85

