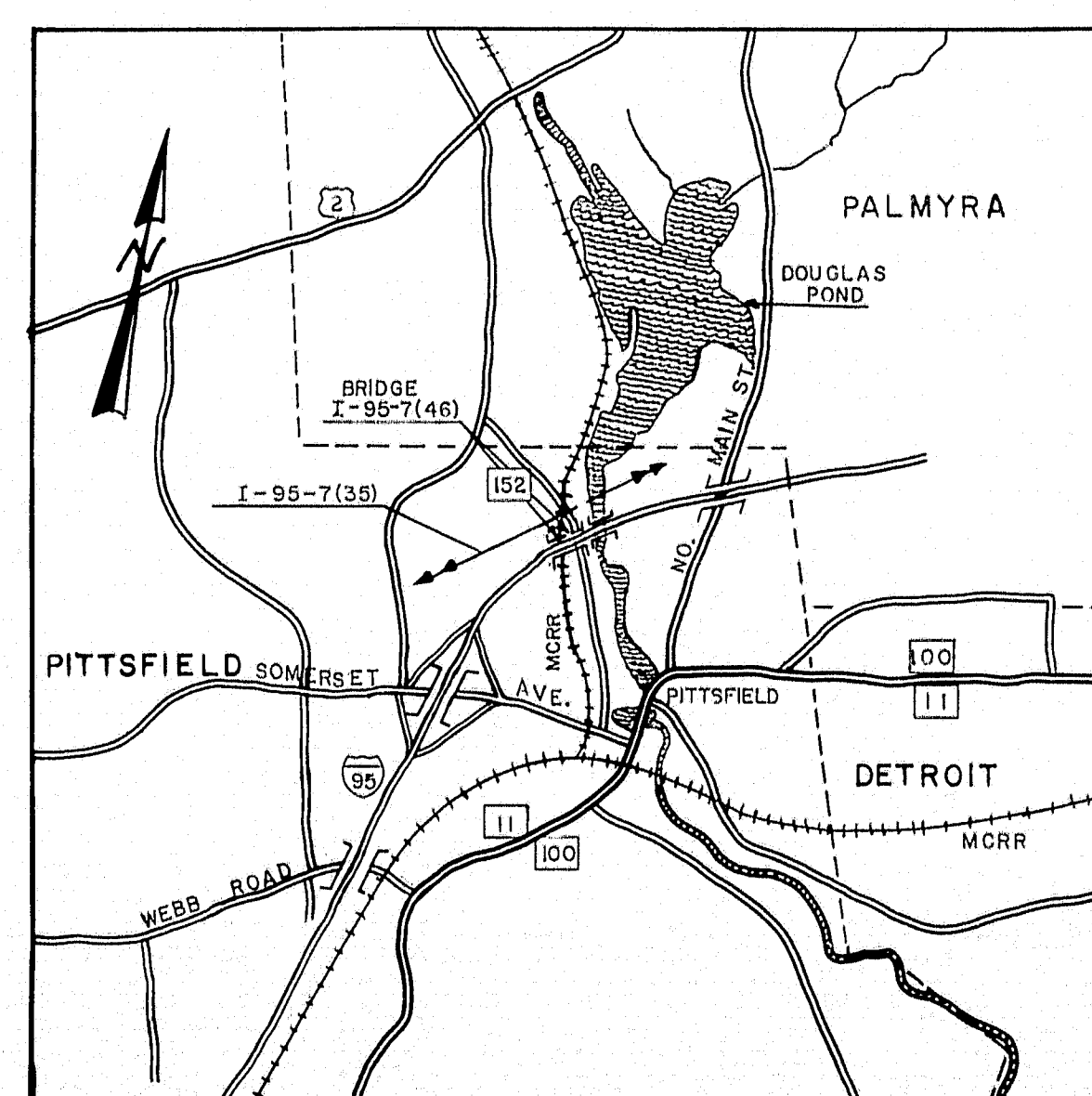


STATE OF MAINE  
STATE HIGHWAY COMMISSION



INTERSTATE 95  
OVER  
MAINE CENTRAL RAILROAD &  
ROUTE 152  
IN THE TOWN OF  
PITTSFIELD  
SOMERSET COUNTY  
FEDERAL AID PROJECT NO. I-95-7(46)144  
LENGTH OF PROJECT 0.082 MILES



**LOCATION MAP**  
APPROX. SCALE - 1" = 1 MILE

**TRAFFIC**

ROUTE 152		INTERSTATE 95
1300	A.D.T. 1963	5935
1820	A.D.T. 1983	7990
218	D.H.V.	959
11%	T.	11%
60%	D.	60%
55 MPH	V.	60 MPH

APPROVED  
MAINE CENTRAL RAILROAD COMPANY  
*W. Wiggins*  
CHIEF ENGINEER

5-17-63  
DATE

APPROVED  
MAINE STATE HIGHWAY COMMISSION

*David F. Smith*  
CHAIRMAN  
*Robert A. Williams*  
CHIEF ENGINEER

5/18/63  
DATE

NOTE -  
FOR INDEX OF SHEETS SEE SHEET 1A

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 1961, 1962.

CONTRACT: State of Maine, State Highway Commission, Standard Specifications Highways and Bridges, Revision of January, 1958, and Supplemental Specifications.

## LIVE LOADING

HS 20-44 as modified for Interstate Highways.

## ALLOWABLE STRESSES

Structural Steel -  $\frac{1}{2}$ " - 20,000 p.s.i.  
Reinforcing Steel -  $\frac{1}{2}$ " - 20,000 p.s.i.  
Concrete -  $\frac{1}{2}$ " - 1200 p.s.i.,  $n=10$

## CONCRETE CLASSIFICATION

All Concrete - Class "A" except concrete fill under Pier "I" - MCB-NB  
Concrete fill shall be Class "B".

## ELEVATIONS

Elevations are based on Bench Mark #29, Highway Vertical Spike in Birch, 130' left of Sta. 2181+00, N.B. Elev. 226.02.

# ESTIMATE OF QUANTITIES

ITEM DESCRIPTION	C.Y.	STRUCTURES			APPROACHES	TOTAL
		Interstate Northbound over Maine Central Railroad	Interstate Northbound over Route 152	Interstate Southbound over Maine Central Railroad & Route 152		
Structural Earth Excavation, Drainage	C.Y.				40	40
Structural Earth Excavation, Piers	C.Y.	230	80	250		560
Gravel Borrow, In Place Measure	C.Y.				10,200	10,200
Borrow	C.Y.				12,300	12,300
Granular Borrow	C.Y.				1200	1200
Gravel Base Course, In Place Measurement	C.Y.				2000	2000
Bituminous Concrete Surface Course, Type A	Tons	75	75	140		310
Portland Cement Concrete, Abutts & Retaining Walls	C.Y.	234	206	210		650
Portland Cement Concrete, Piers	C.Y.	192	135	278		605
Portland Cement Concrete, Roadway & Sidewalk Slabs on Steel Bridges	C.Y.	190	183	393		766
Portland Cement	Barrels	925	785	1320		3030
Structural Steel, Fabricated & Delivered	L.S.					Lump Sum
Structural Steel, Erection	L.S.					Lump Sum
Structural Steel, Field Painting	L.S.					Lump Sum
Reinforcing Steel, Delivered	Lbs.	93,000	78,700	146,500		318,200
Reinforcing Steel, Placing	Lbs.	93,000	78,700	146,500		318,200
Steel H-beam Piles, 42 lbs./linear foot	L.Ft.	2055	3020	4700		9775
Bridge Rail	L.Ft.	356	344	700		1400
Membrane Waterproofing	S.Y.	760	670	1450		2880
Epoxy Resin Surface Sealant	S.Y.	110	90	90		290
Slope Paving	S.Y.				805	805
Granite Bridge Curb	L.Ft.	370	360	715		1445
Loam Borrow	C.Y.				900	900
Seeding - Method No. 2	Units				100	100
Hay Mulch	Tons				11	11
Asphalt Mulch Binder	Gals.				2700	2700
Bituminous Treated Stone Slope Protection	S.Y.				1000	1000

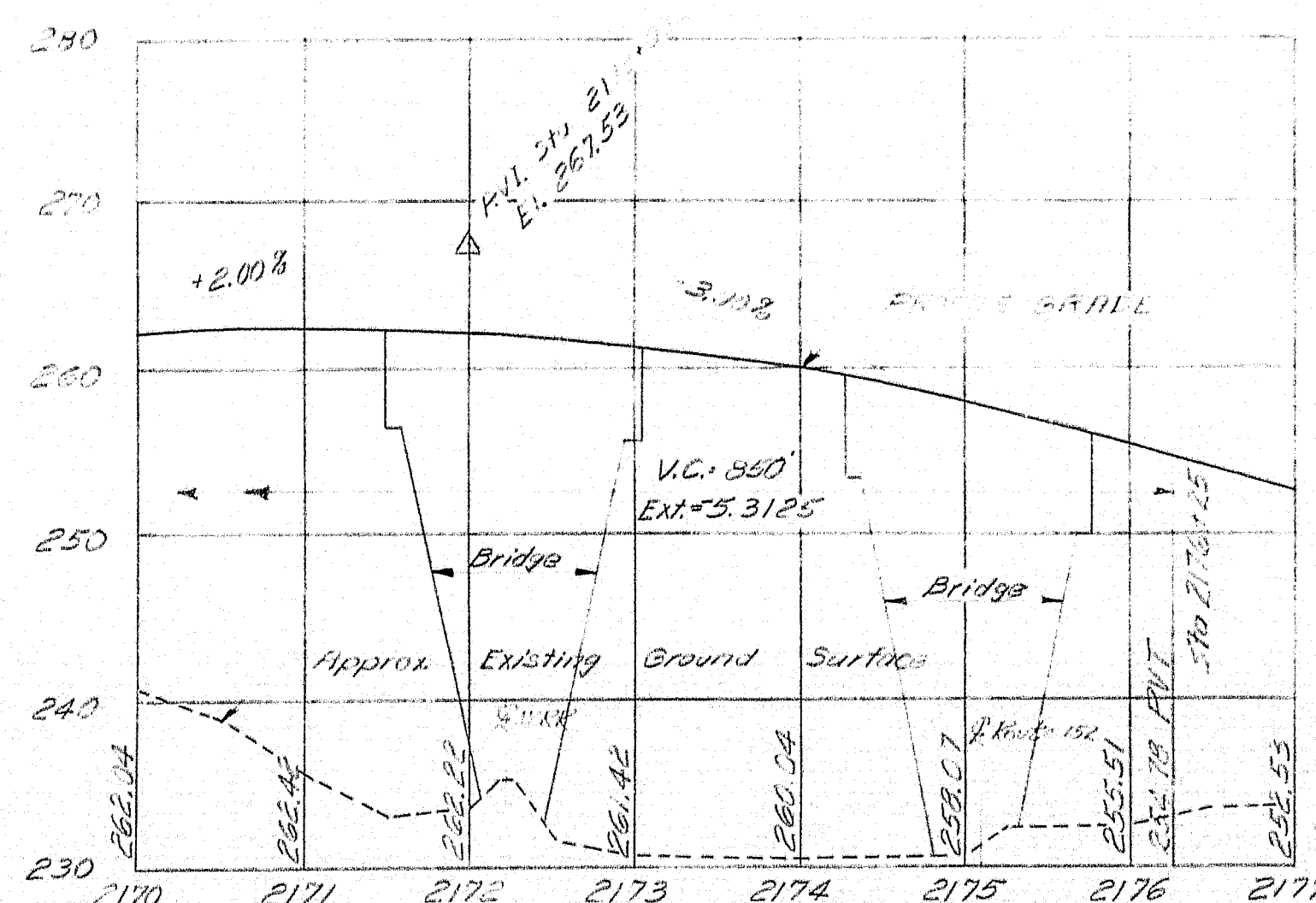
\* Not a part of this contract.  
\* Estimated quantity of structural steel (including drains)  
Interstate Northbound over M.C.R.R. 147,800 lbs.  
Interstate Northbound over Route 152 133,800 lbs.  
Interstate Southbound over M.C.R.R. & Route 152 353,600 lbs.  
Total 635,200 lbs.

# INDEX OF SHEETS

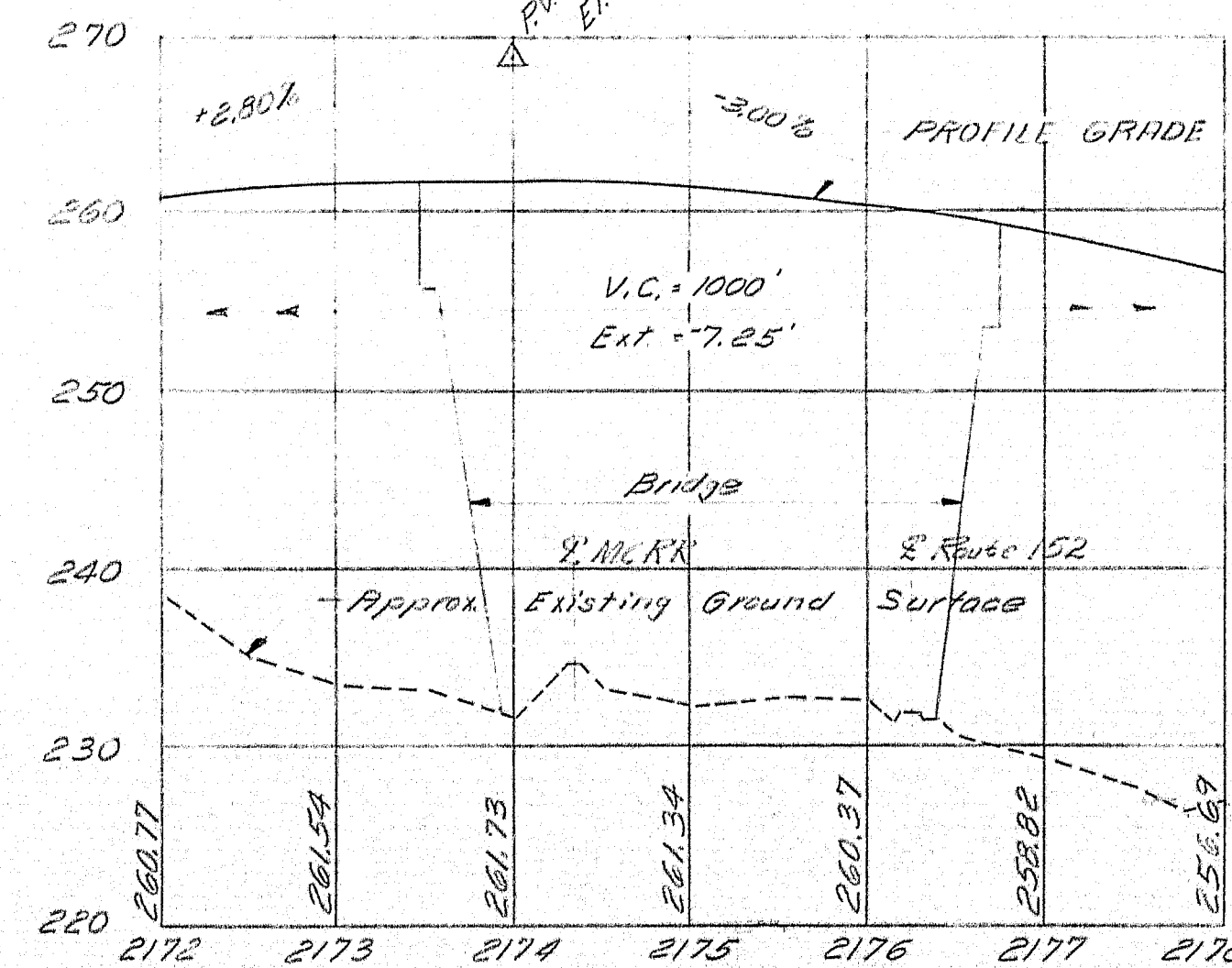
- Title Sheet
- Index, Northbound, Southbound, Piers
- General Plan & Elevation
- Maine Central Railroad Survey
- Foundation Survey
- Boring Details
- Reinforcing Work - Northbound, Stone Paving
- Reinforcing Work - Southbound
- Plan of Cross Sections
- Abutment No. 1 - Maine Central Railroad - Northbound
- Abutment No. 2 - Maine Central Railroad - Northbound
- Abutment No. 1 - Route 152 - Northbound
- Abutment No. 2 - Route 152 - Northbound
- Abutment No. 1 - M.C.R.R. & Route 152 - Southbound
- Abutment No. 2 - M.C.R.R. & Route 152 - Southbound
- Piers - Maine Central Railroad - Northbound
- Piers - Route 152 - Northbound
- Piers - Southbound
- Foundation Plan - Maine Central Railroad Northbound
- Foundation Plan - Route 152 - Northbound
- Structural Steel Foundation Plan - Southbound
- Expansion Joints - Northbound
- Expansion Joints - S.B., Drain Detail, Superstructure Notes
- Superstructure Details
- Blocking Details - Northbound
- Superstructure - M.C.R.R. - Spans 1 & 2 - Northbound
- Superstructure - M.C.R.R. - Spans 2 & 3 - Northbound
- Superstructure - Route 152 - Northbound
- Blocking Details - Southbound
- Deck Layout - Southbound
- Superstructure - Spans 1 & 2 - Southbound
- Superstructure - Spans 3, 4, 5 - Southbound
- Superstructure - Spans 4 & 5 - Southbound
- Reinforcing Steel Schedule - Abutments
- Reinforcing Steel Schedule - Piers & Superstructure

## STANDARD DETAILS

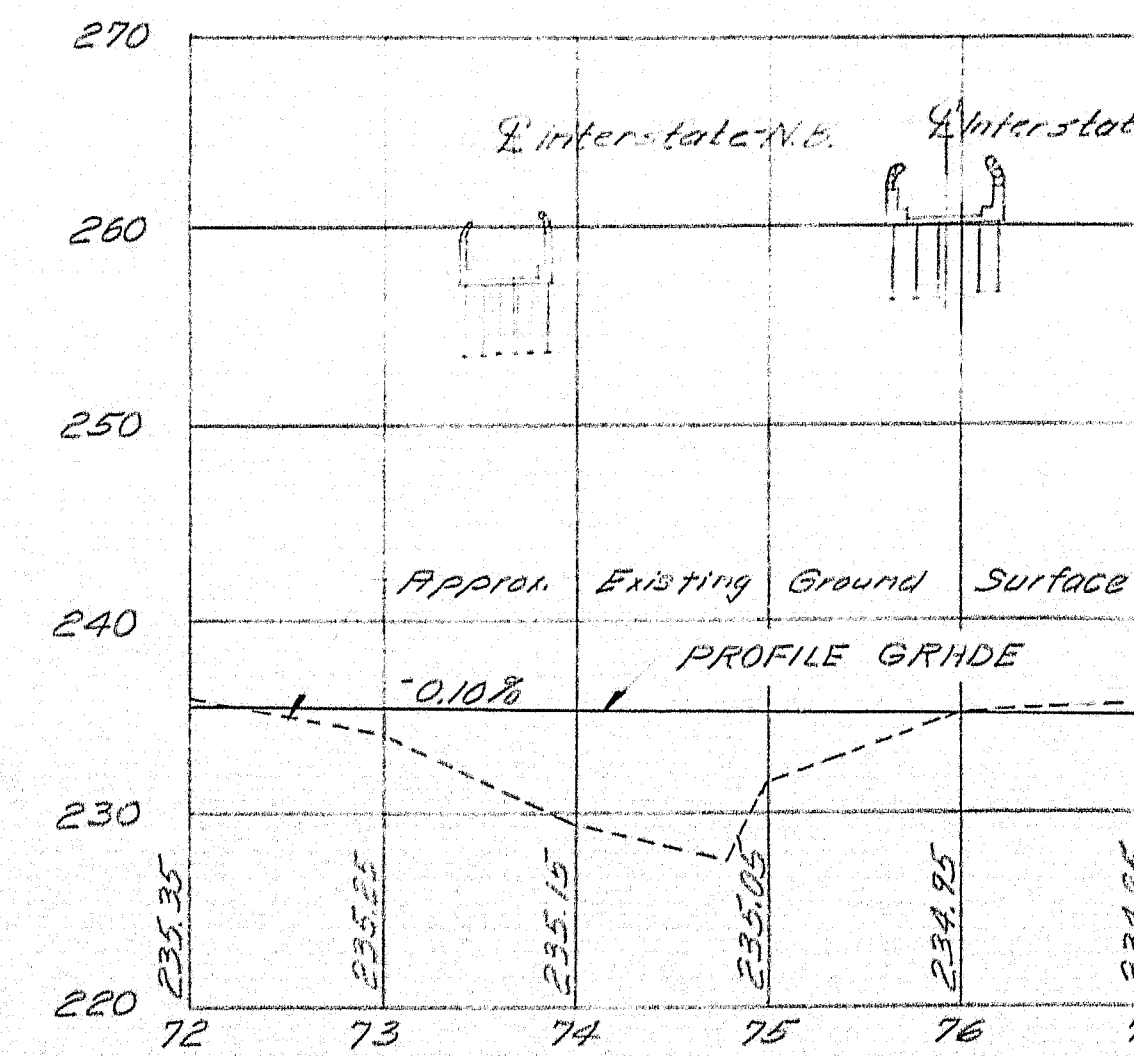
- SD 11-65 Reinforcing Pier Piles  
SD 11-65 Bridge Rail  
SD 11-65 Bridge Spillways  
SD 11-65 Diaphragms, Armored Joint  
SD 11-65 Shear Connectors, Drains



PROFILE & INTERSTATE - NORTHBOUND



PROFILE & INTERSTATE - SOUTHBOUND



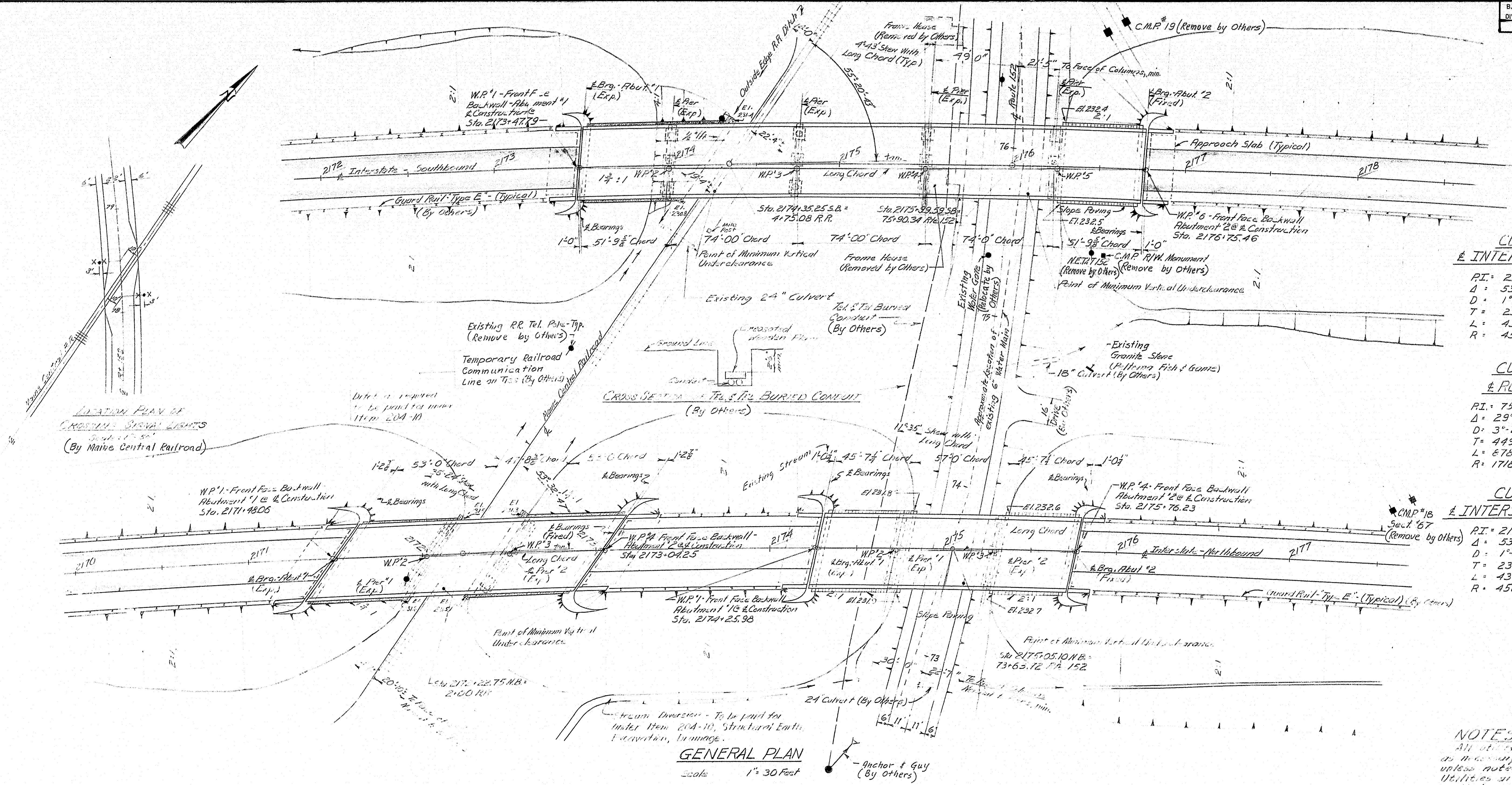
PROFILE & ROUTE 152

PROFILE SCALES:  
Horiz. 1"=100'  
Vert. 1"=10'

DESIGN - C.D.H. & P.W. TRACE - L.L.B. CHECK - J.D.B.	BRIDGE NO. SURVEY - PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION <b>INTERSTATE 95</b> OVER <b>MAINE CENTRAL RAILROAD &amp; ROUTE 152</b> IN THE TOWN OF <b>PITTSFIELD</b> <b>SOMERSET COUNTY</b> INDEX, QUANTITIES, SPECIFICATIONS, PROFILES SHEET 1A OF 41 AUGUSTA, MAINE JAN. 63	



B.P.R.	STATE	PROJECT NUMBER	SHEET	TOTAL
DIV. NO.			NO.	SHEETS
1	MAINE	T-95-7(46)	2	41



#### CURVE DATA INTERSTATE-SOUTHBOUND

$PI = 2178+76.36$   
 $\Delta = 53^{\circ}45'05''$   
 $D = 1^{\circ}15'$   
 $T = 2322.99$   
 $L = 4300.12$   
 $R = 4583.66$

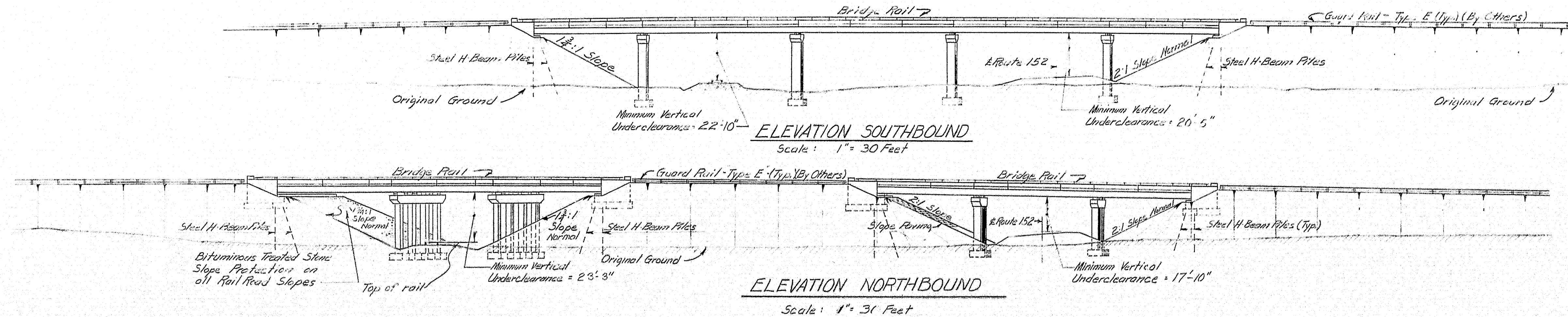
#### CURVE DATA ROUTE 152

$PI = 75+23.69$   
 $\Delta = 29^{\circ}17'20''$   
 $D = 3^{\circ}20'$   
 $T = 449.20$   
 $L = 678.75$   
 $R = 1718.87$

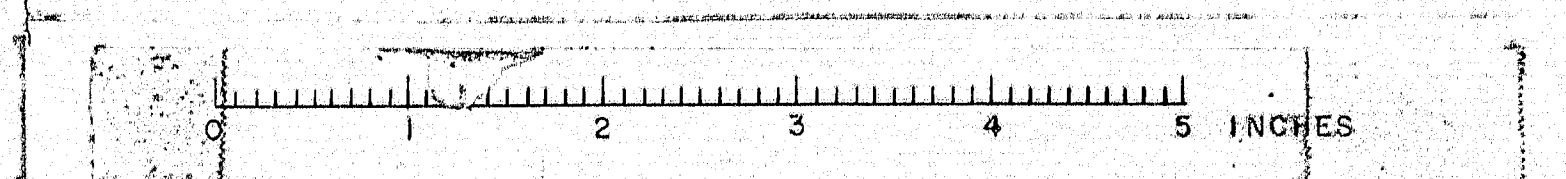
#### CURVE DATA INTERSTATE-NORTHBOUND

$PI = 2178+08.23$   
 $\Delta = 53^{\circ}45'05''$   
 $D = 1^{\circ}15'$   
 $T = 2322.99$   
 $L = 4300.12$   
 $R = 4583.66$

**NOTES:**  
 All structures to be removed as shown on this plan unless noted otherwise.  
 Utilities are:  
 Maine Central Railroad Co.  
 New England Tel. & Tel. Co.  
 Pittsfield Water Works  
 Central Maine Power Co.  
 This plan shows ultimate construction.  
 See "Section through Interstate-Southbound" and "Section through Interstate-Northbound" for roadway work in this contract.  
 For "Project Limits" and "Limit of Work" see sheets 3 & 9.

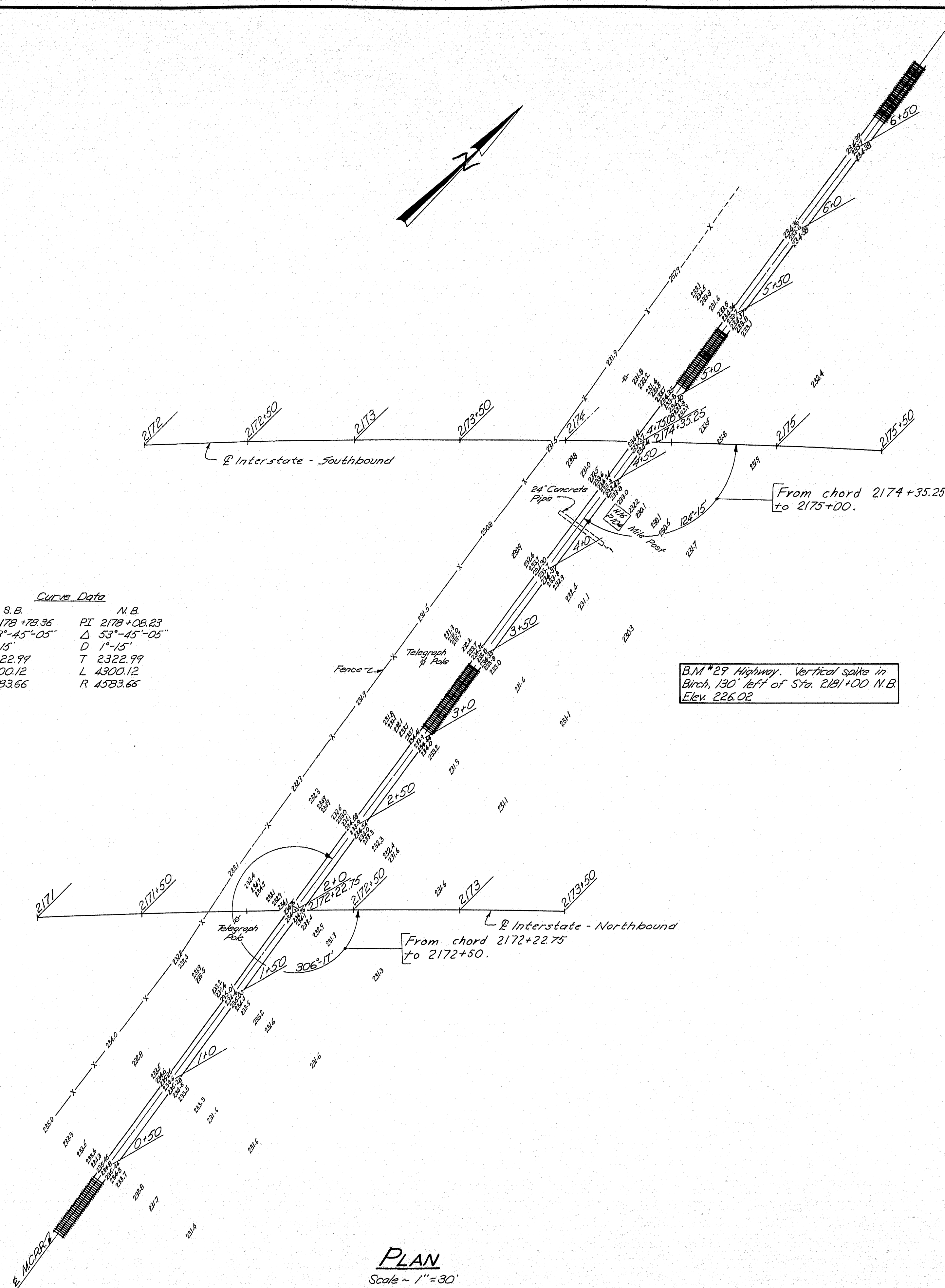


DESIGN - C. D. H.	BRIDGE NO.
TRACE - J. W.	STATE HIGHWAY COMMISSION
CHECK - D. J. B.	BRIDGE DIVISION
	INTERSTATE 95
	OVER
	MAINE CENTRAL RAILROAD
	& ROUTE 152
	IN THE TOWN OF
	PITTSFIELD
	SOMERSET COUNTY
	GENERAL PLAN & ELEVATIONS
SHEET 2 OF 41	AUGUSTA, MAINE JAN. 63





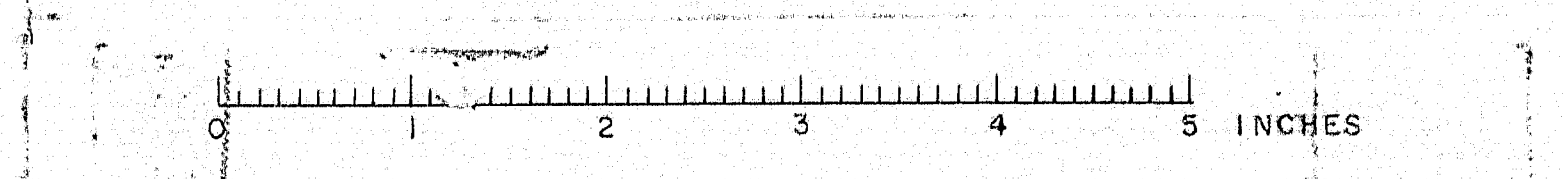
B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-7(46)	3	41



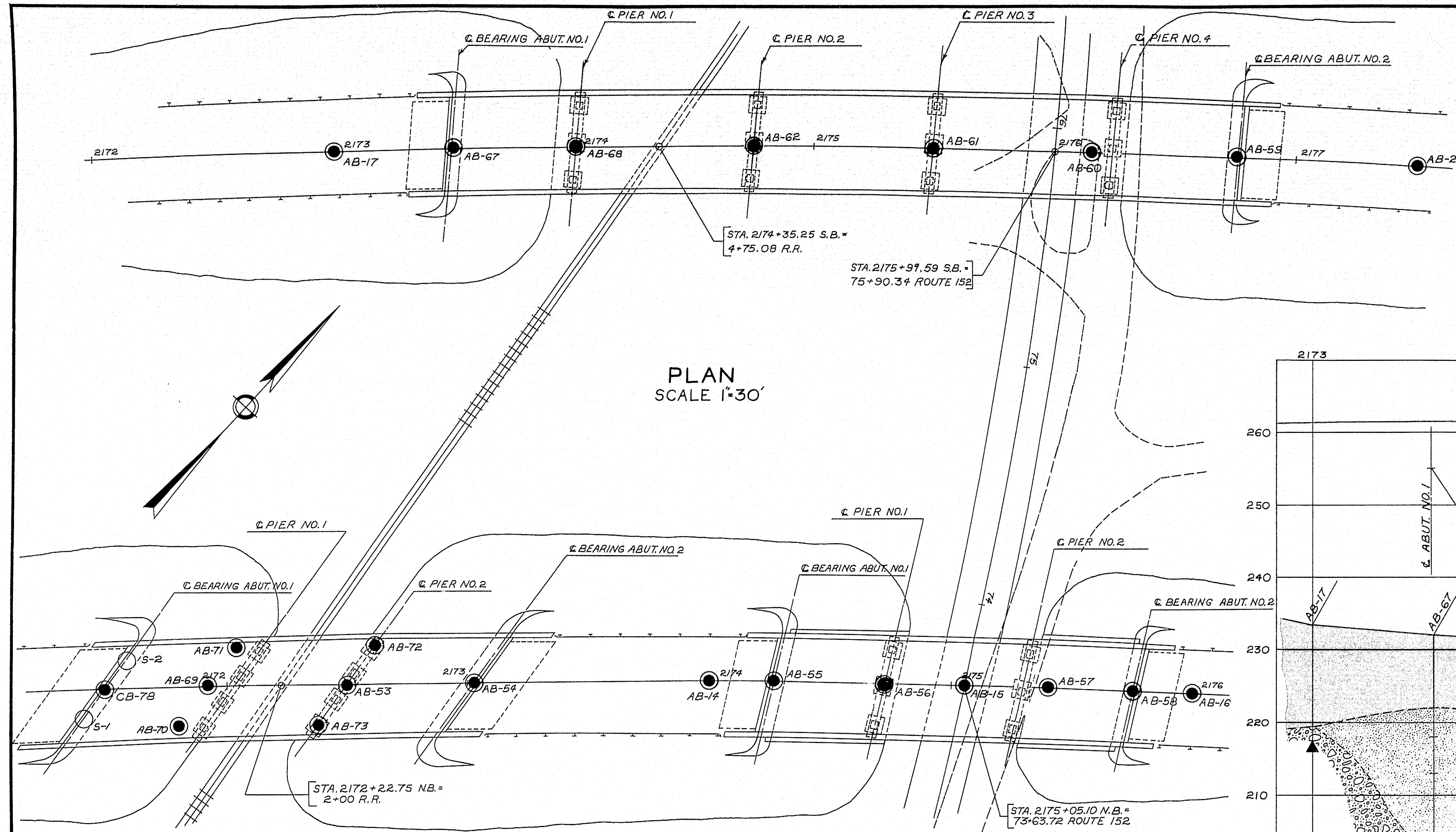
DESIGN- RGS  
TRACE- RGS  
CHECK- RGS

BRIDGE NO.  
SURVEY- BLAKE  
PLOT- RGS

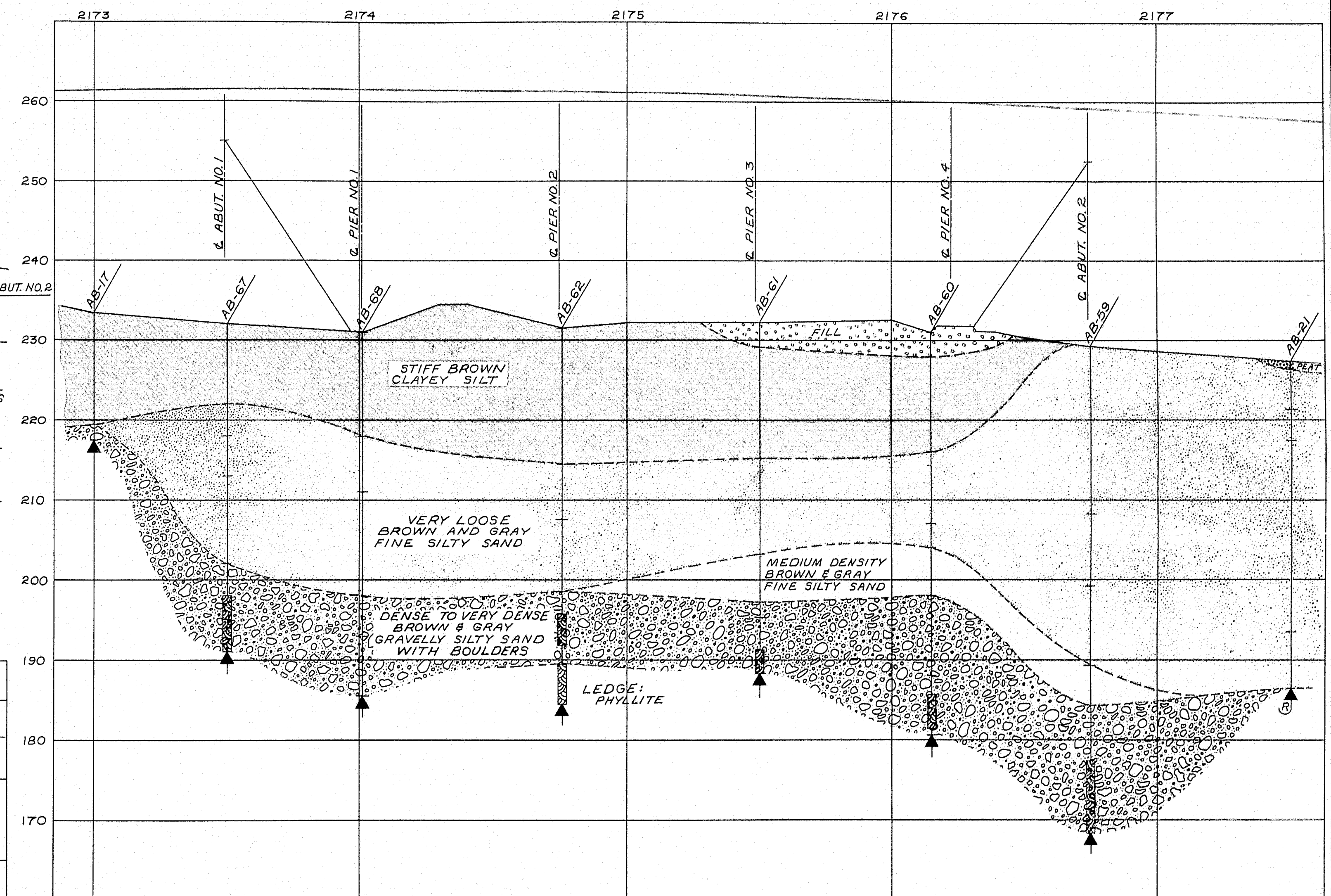
STATE HIGHWAY COMMISSION  
BRIDGE DIVISION  
**INTERSTATE 95**  
OVER  
**MAINE CENTRAL RAILROAD  
& ROUTE 152**  
IN THE TOWN OF  
**PITTSFIELD**  
**SOMERSET COUNTY**  
MAINE CENTRAL RAILROAD SURVEY  
SHEET 3 OF 4 AUGUSTA, MAINE JULY 1962



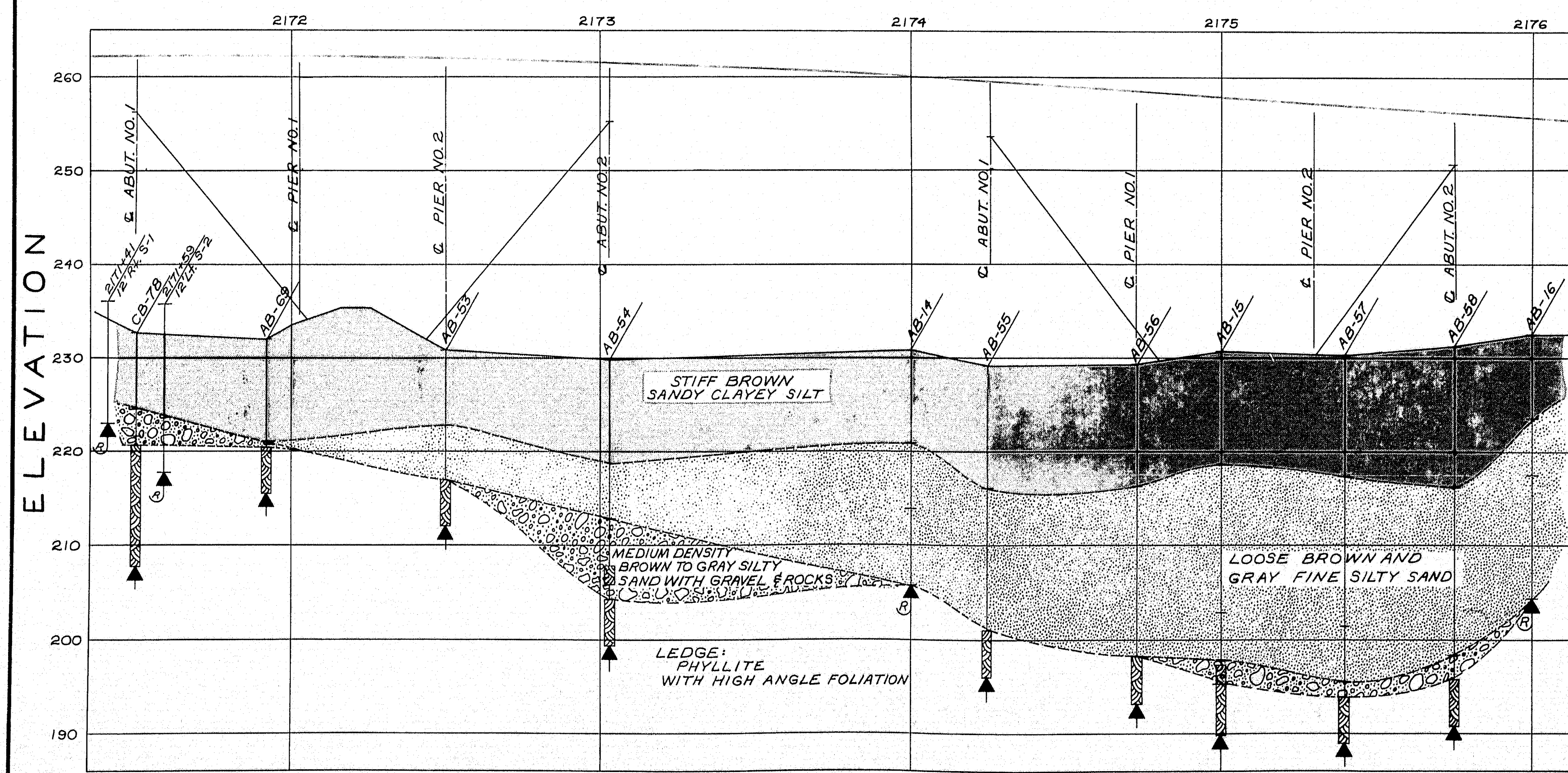




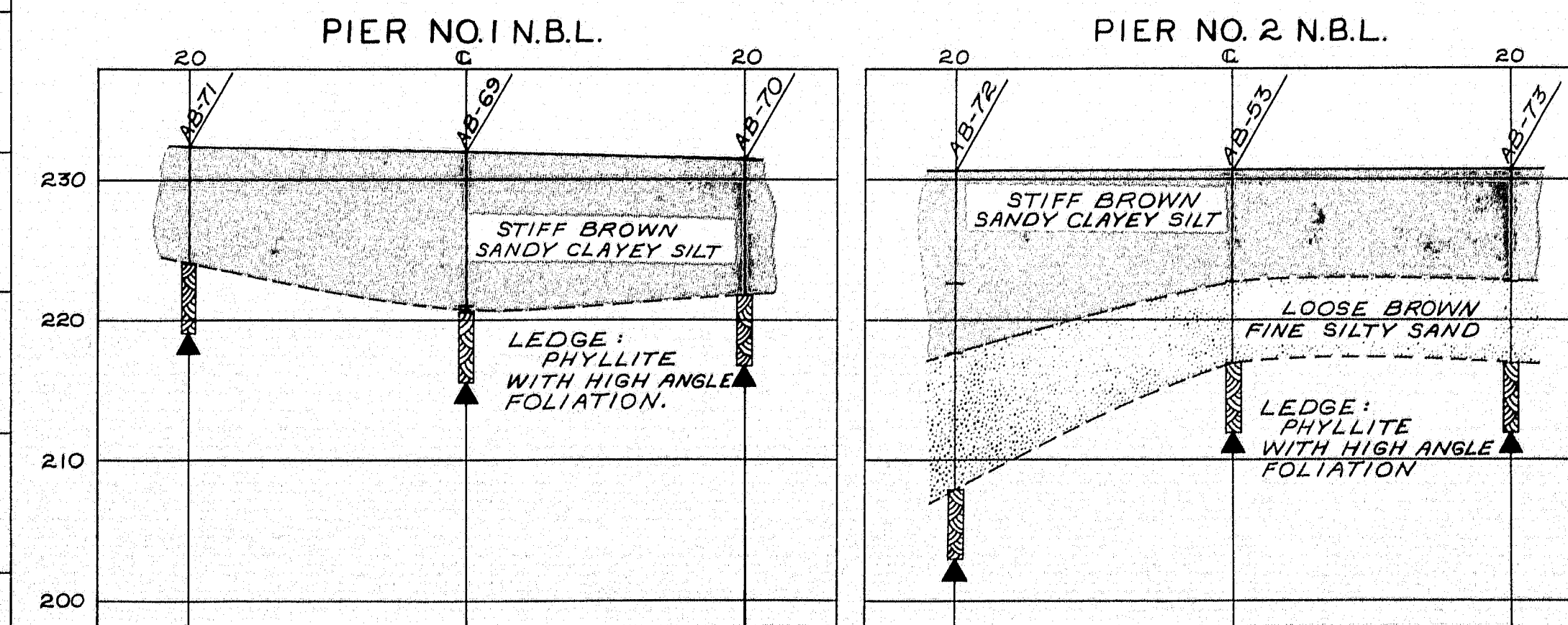
PROFILE SOUTHBOUND LANE



PROFILE NORTHBOUND LANE



TRANSVERSE SECTIONS



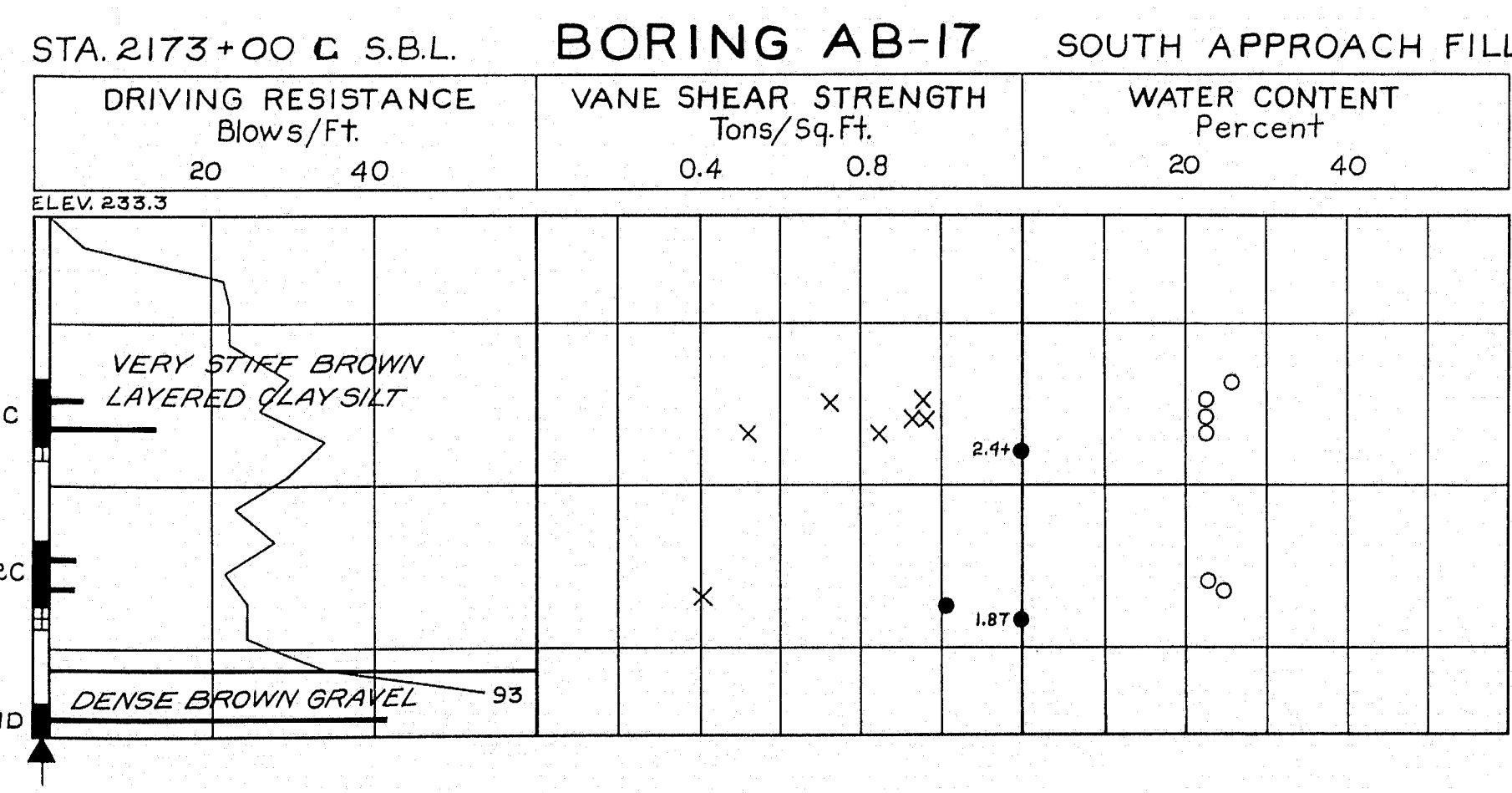
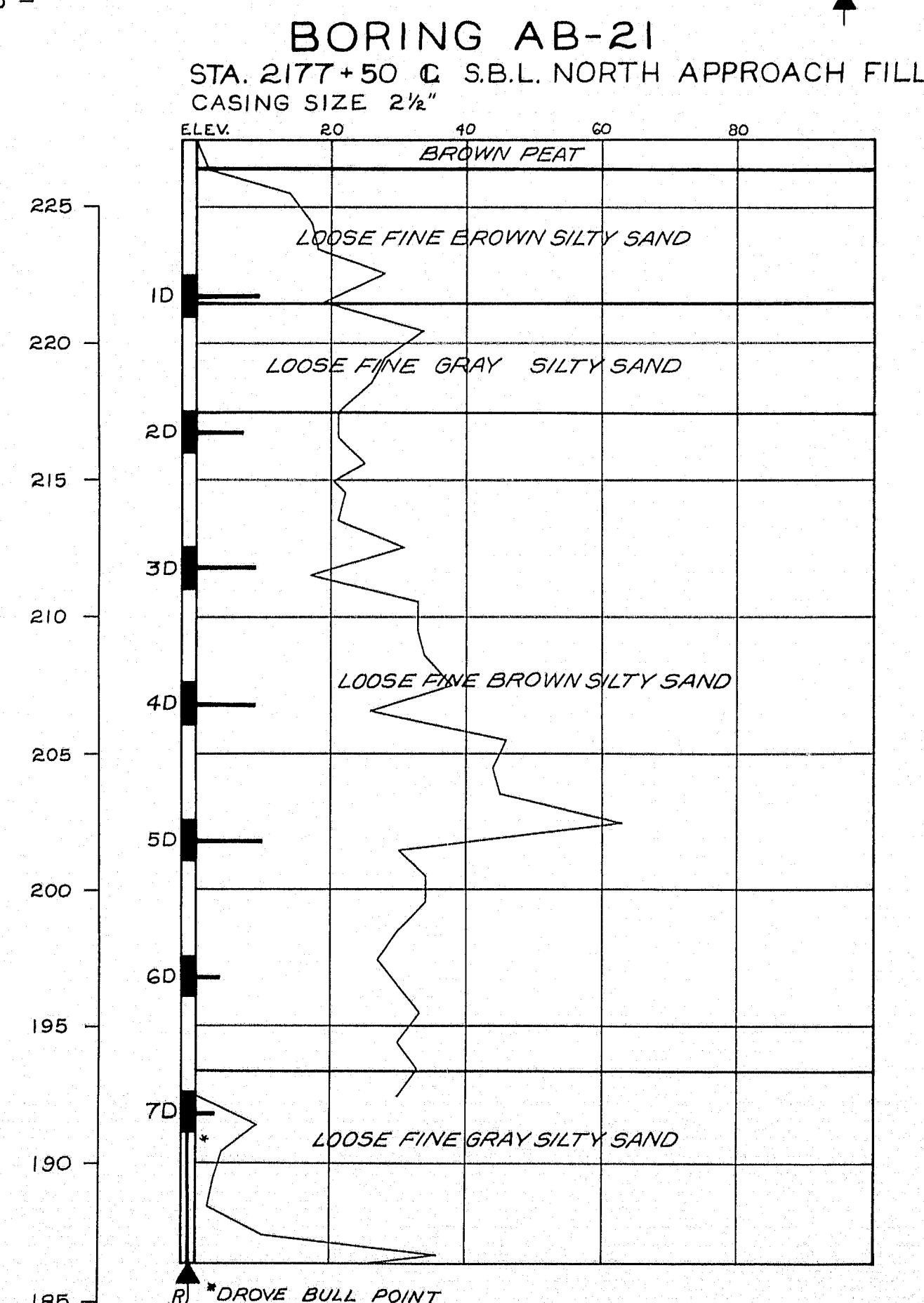
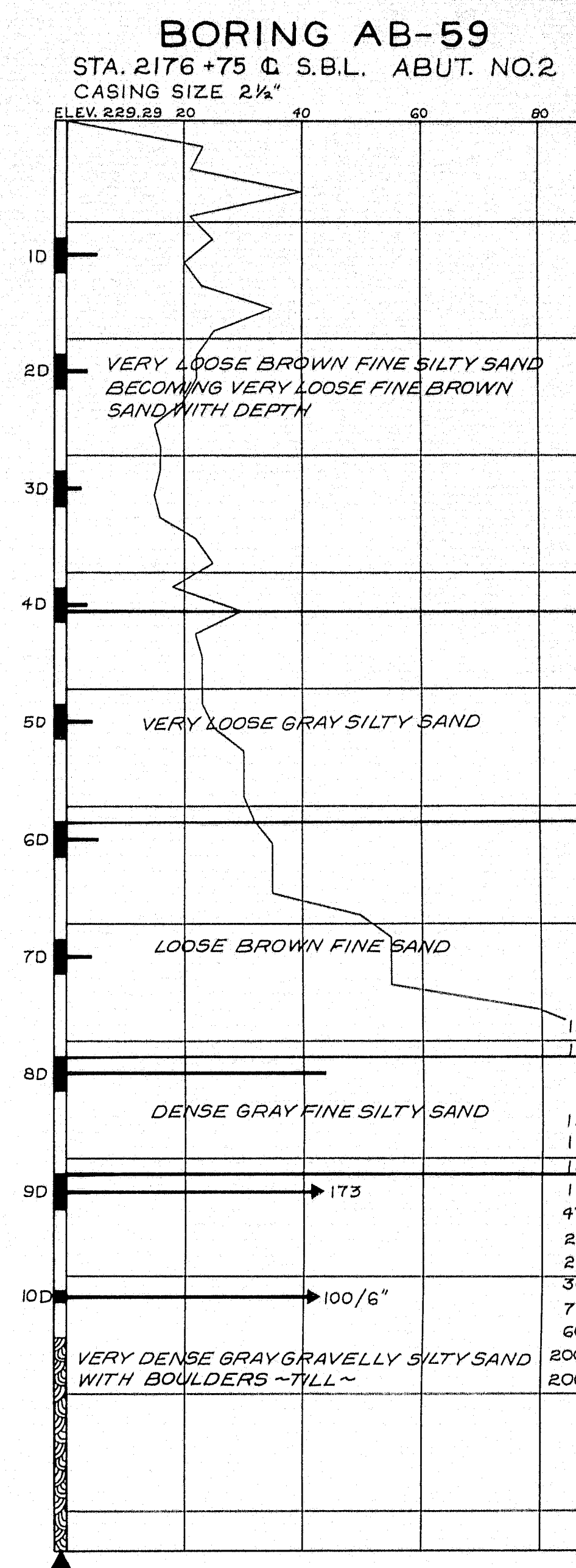
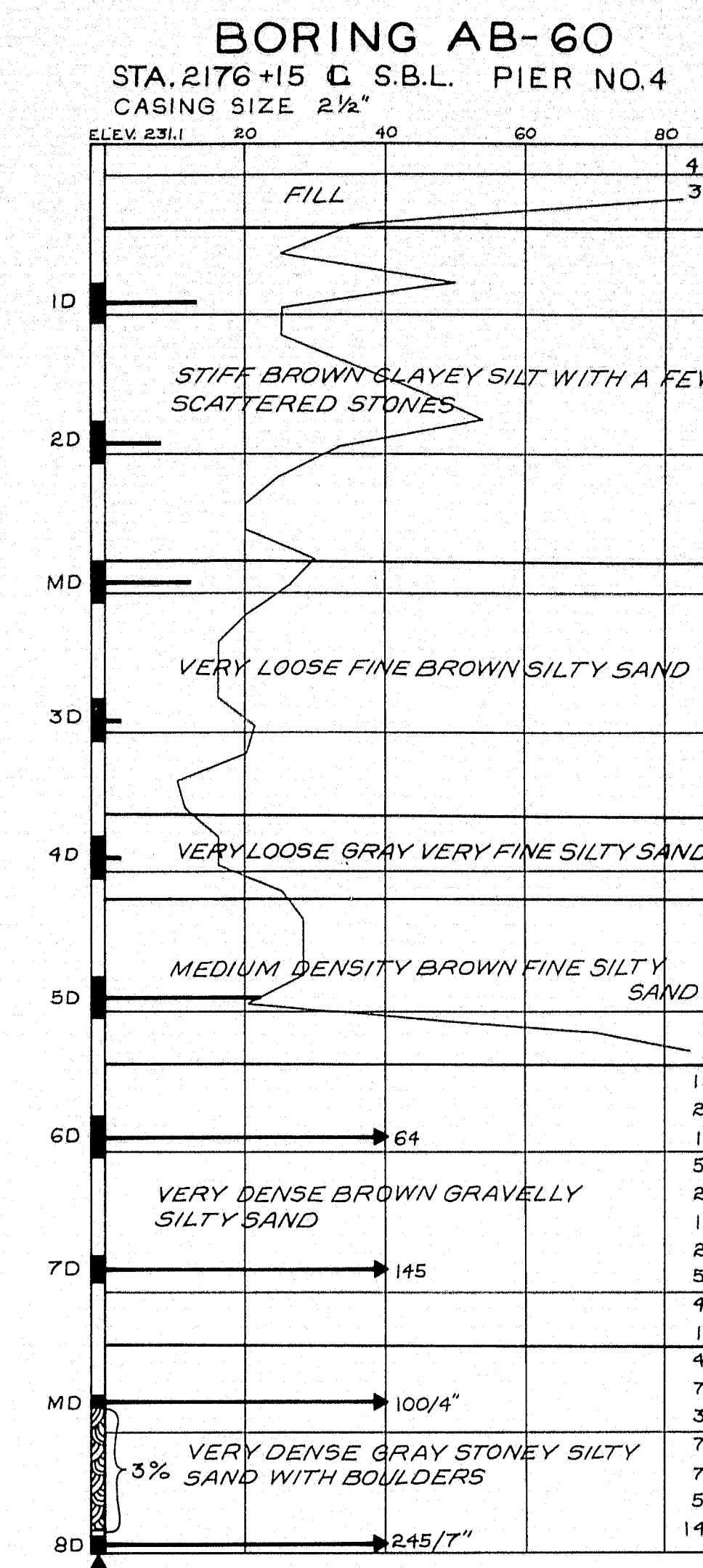
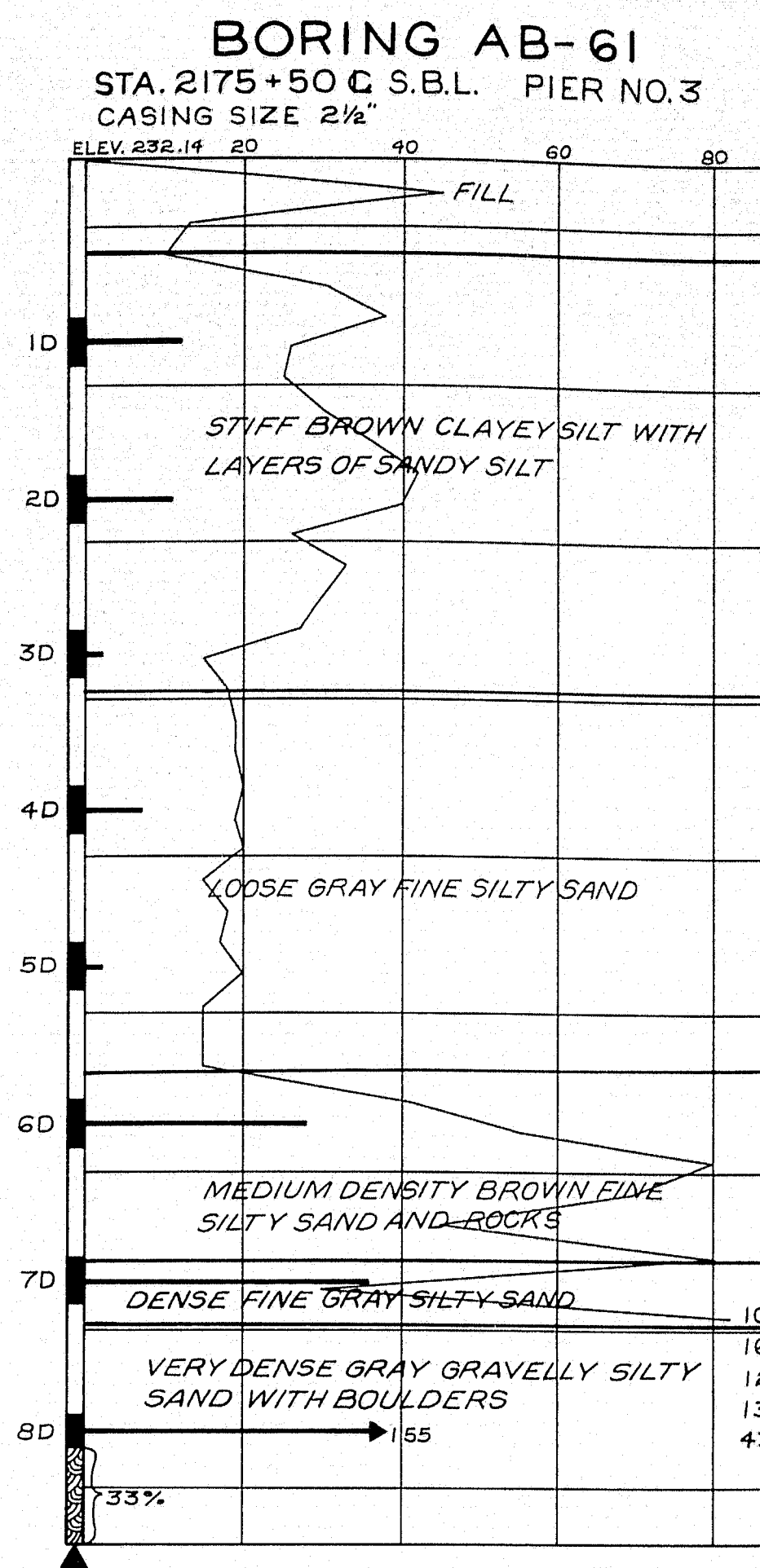
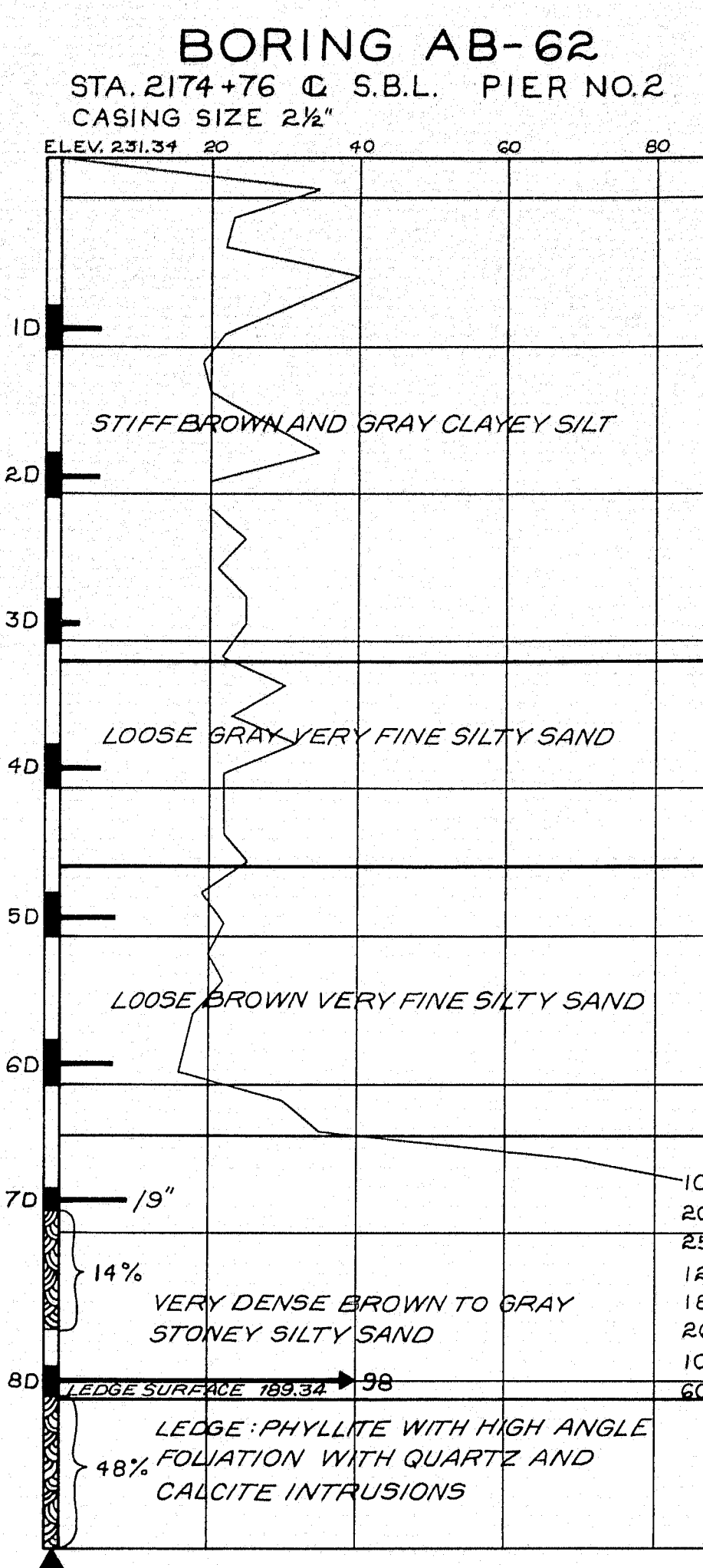
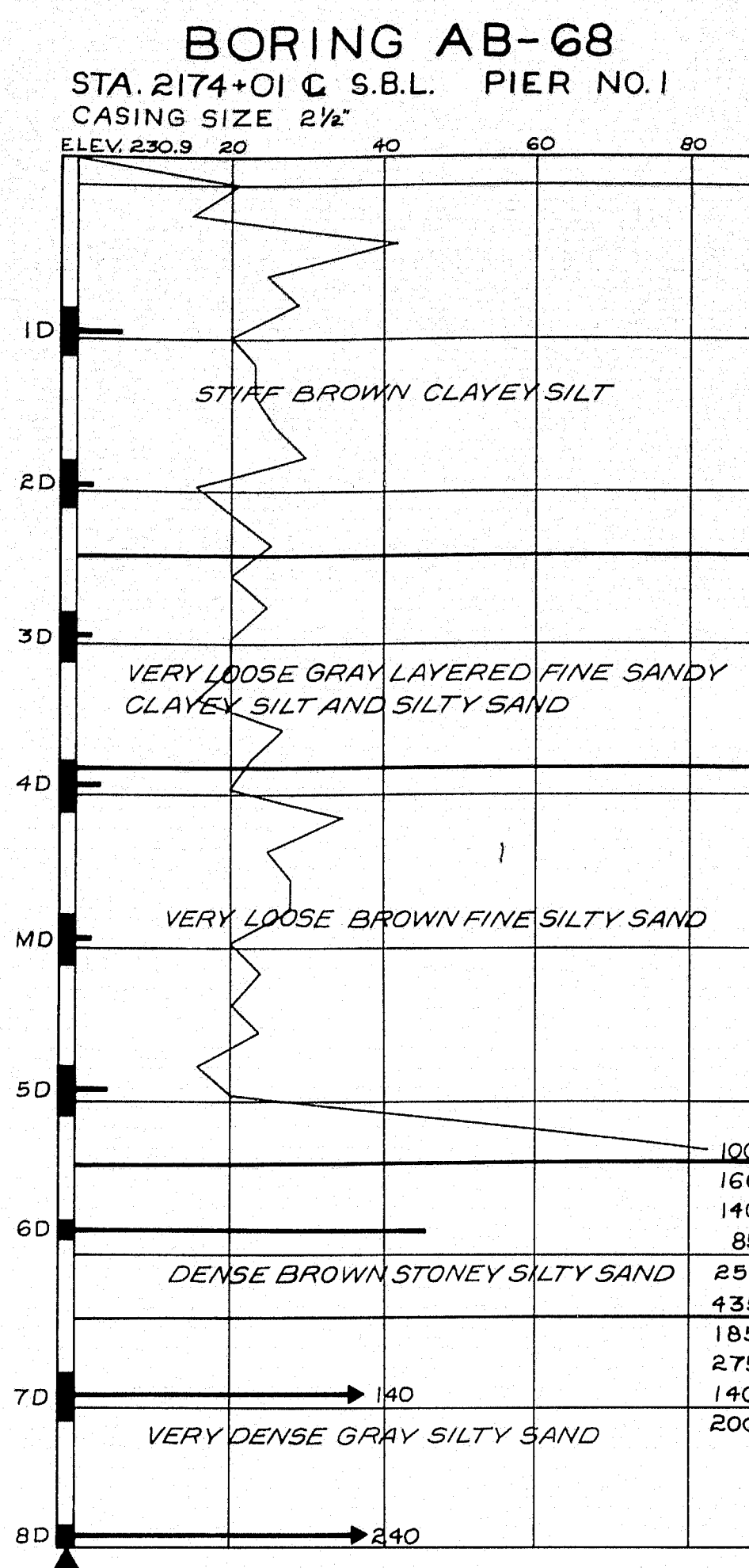
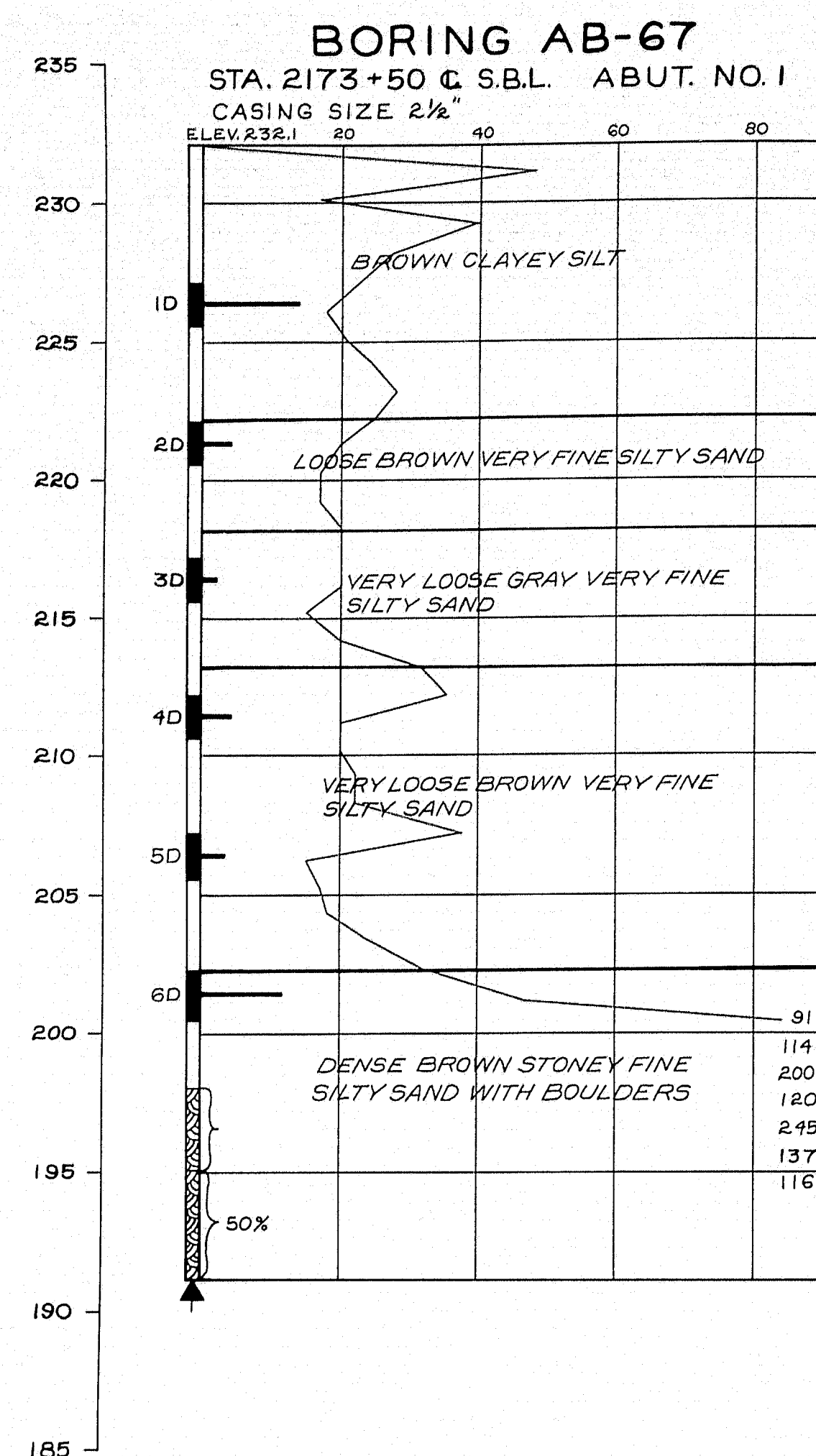
DESIGN: SOILS DIVISION  
 TRACE: SURVEY-  
 CHECK: PLOT-

STATE HIGHWAY COMMISSION  
 BRIDGE DIVISION

INTERSTATE 95  
 OVER  
 MAINE CENTRAL R.R. AND ROUTE 152  
 IN THE TOWN OF  
 PITTSFIELD  
 SOMERSET COUNTY  
 FOUNDATION SURVEY

SHEET 4 OF 41 AUGUSTA, MAINE April 1963





**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&H SAMPLER #1290'S  
2" O.D. 16 GA. SEAMLESS TUBING  
3 1/2" O.D. 16 GA. SEAMLESS TUBING  
UNSUCCESSFUL SAMPLE ATTEMPT AND TYPE OF SAMPLER  
NUMBER OF BLOWS REQUIRED TO DRIVE SPOON OR TUBING ONE FOOT WITH 350 FT. LBS. OF ENERGY PER BLOW  
FIELD VANE TEST  
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

**SHEAR NOTES**

• FIELD VANE SHEAR STRENGTH  
X LABORATORY VANE SHEAR STRENGTHS  
— SHEAR STRENGTHS IN EXCESS OF CAPACITY OF EQUIPMENT

**WATER CONTENT NOTES**

○ NATURAL WATER CONTENTS, GIVEN AS PER CENT OF DRY WEIGHT

**NOTE:**  
THIS SHEET HAS BORING DETAILS FOR SOUTHBOUND LANE STRUCTURE.

DESIGN—  
TRACE—  
CHECK—

Soils Division

BRIDGE NO.  
SURVEY—  
PLOT—

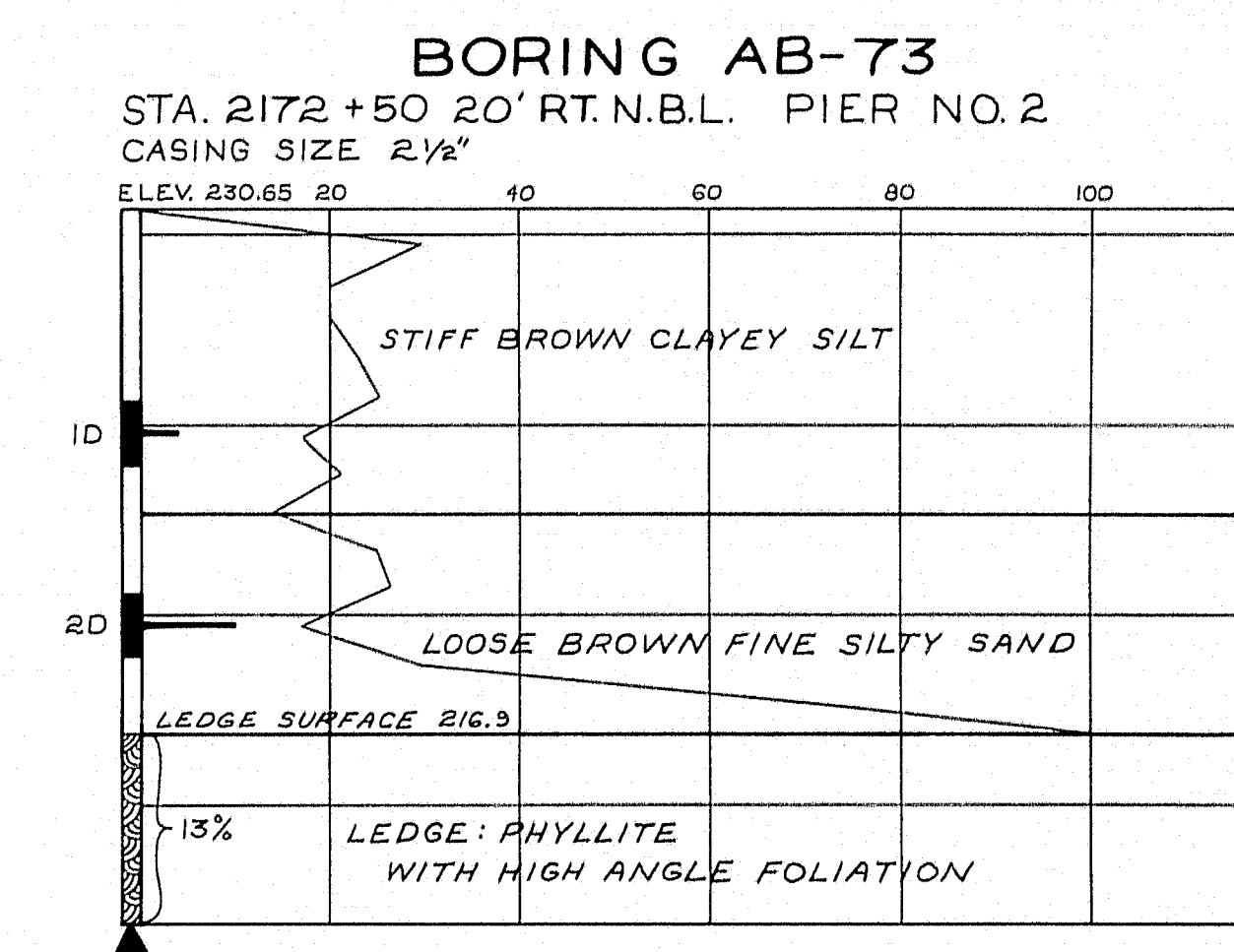
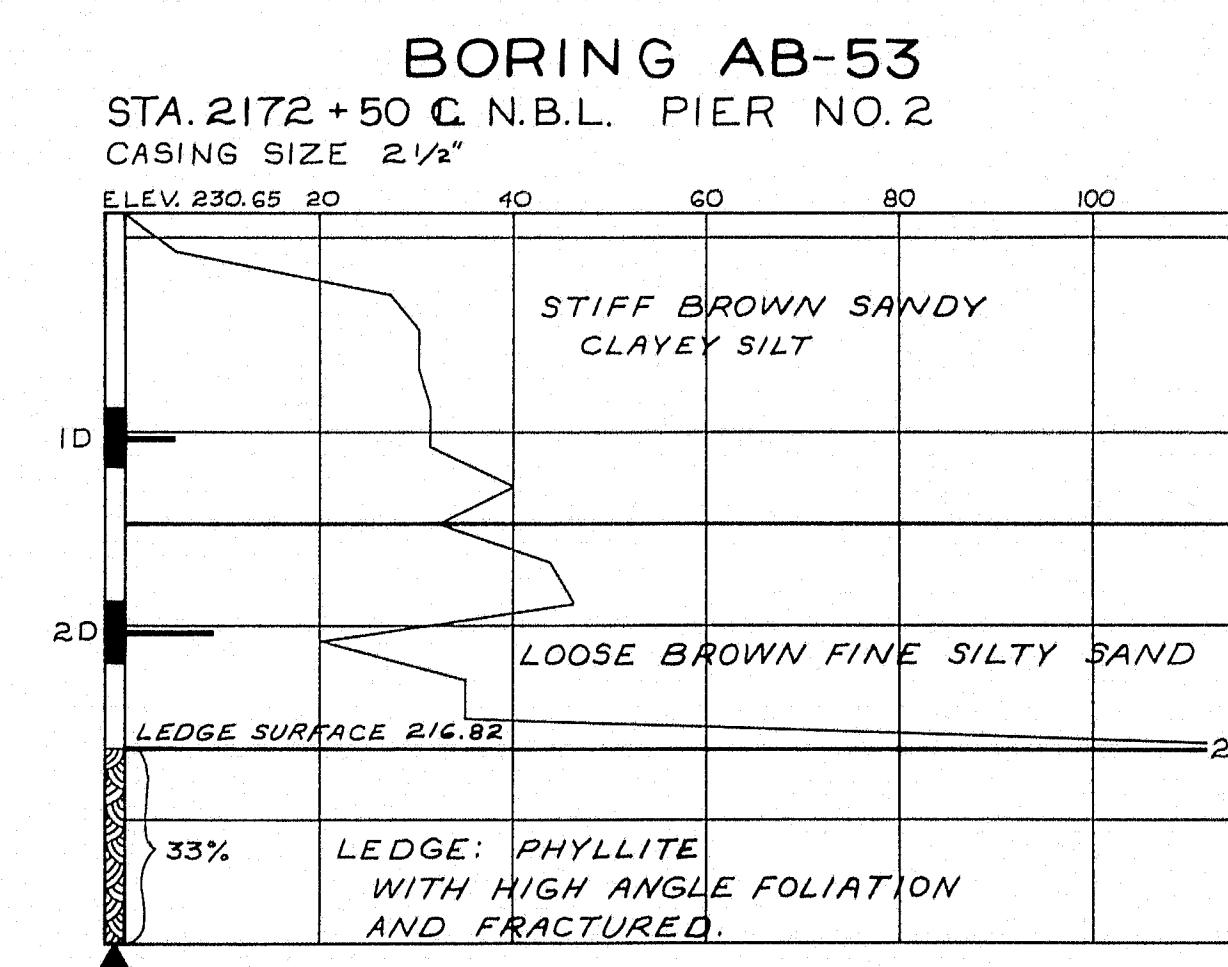
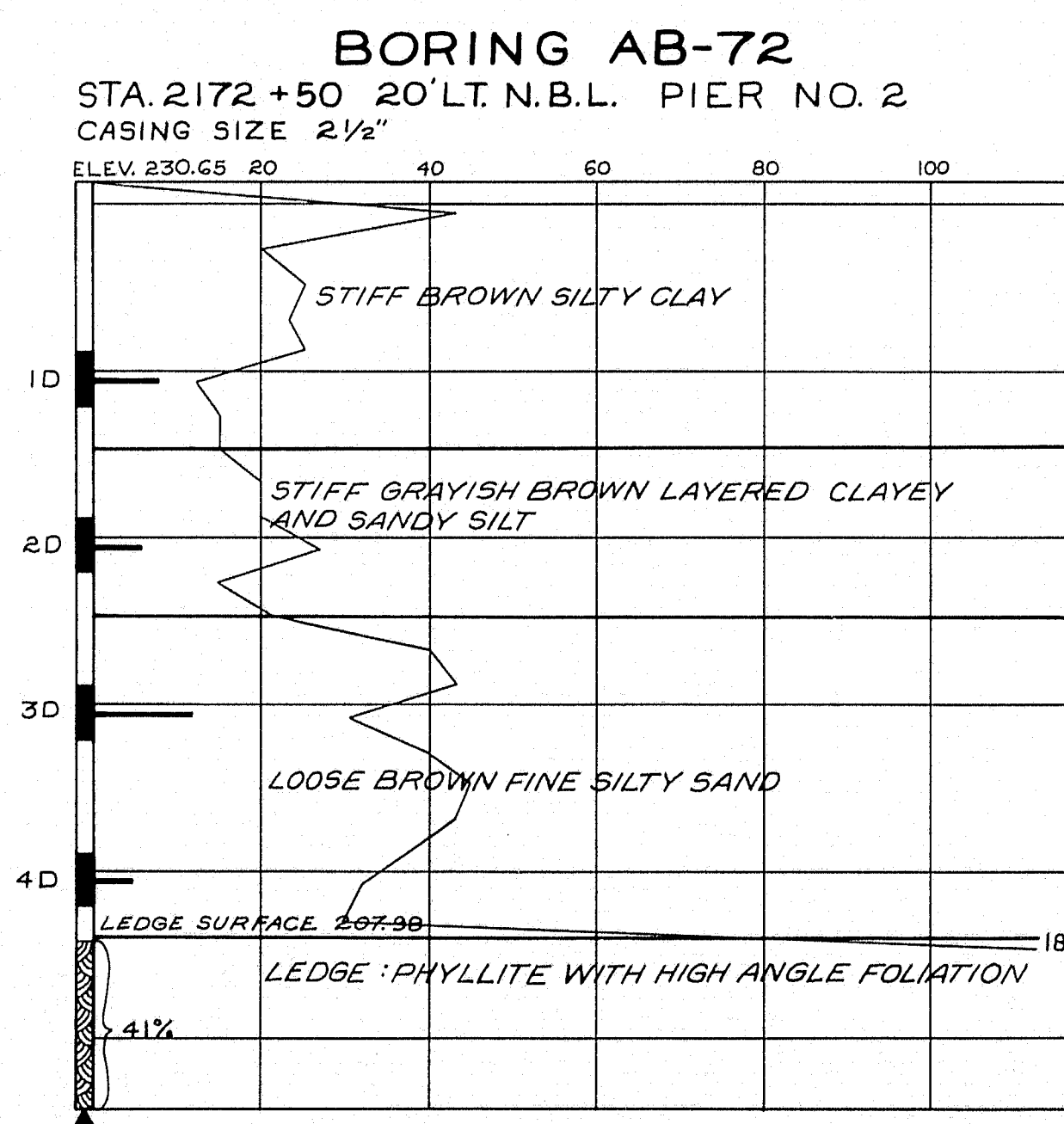
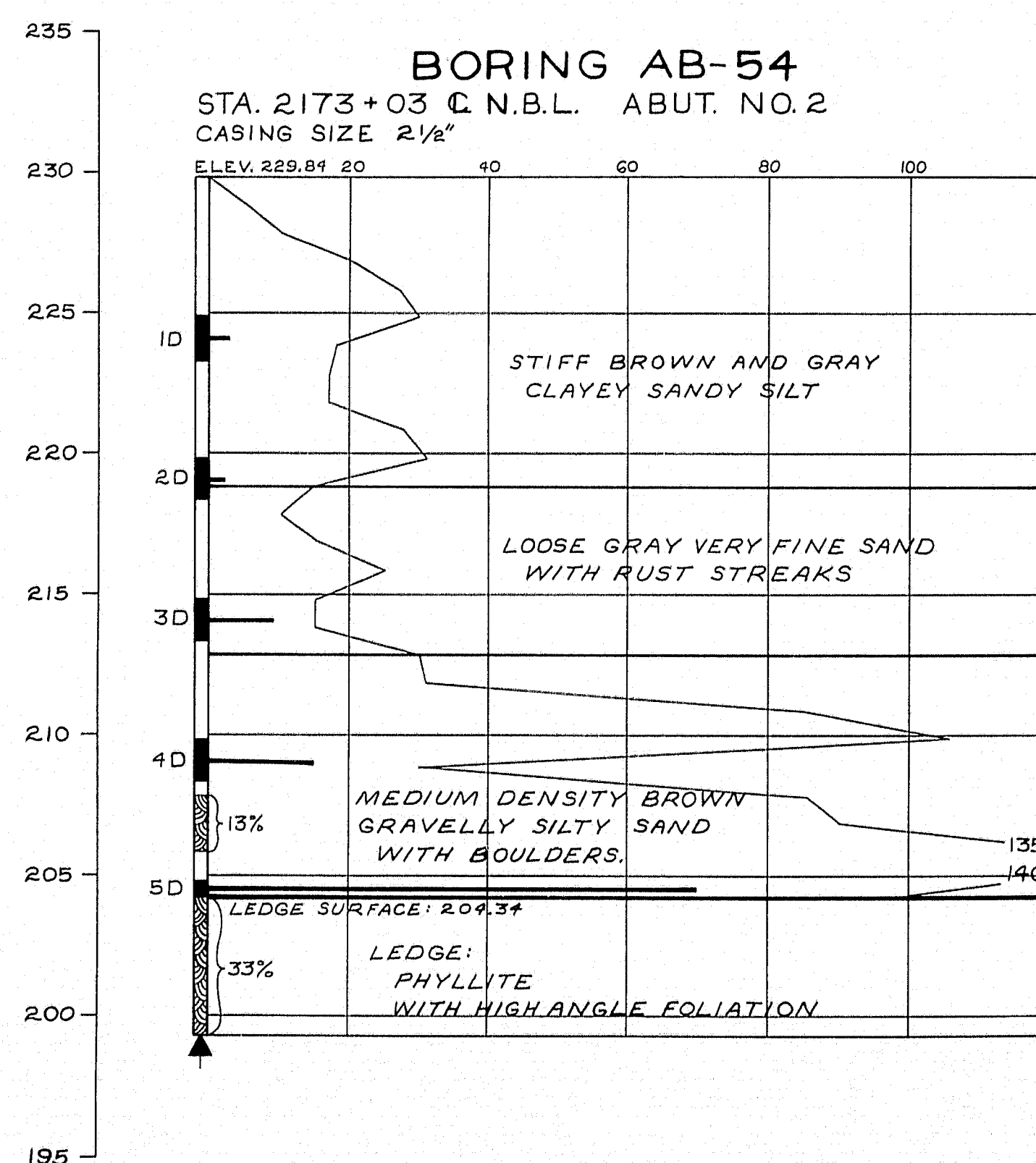
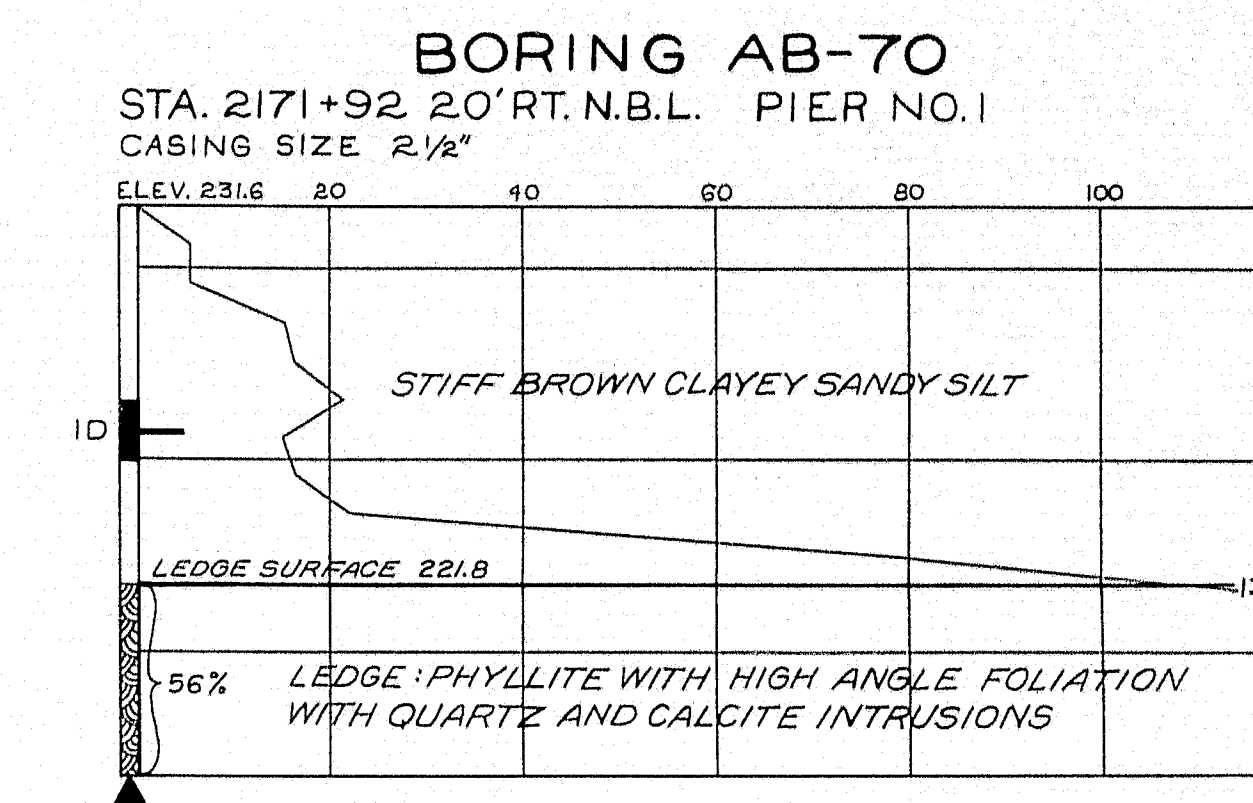
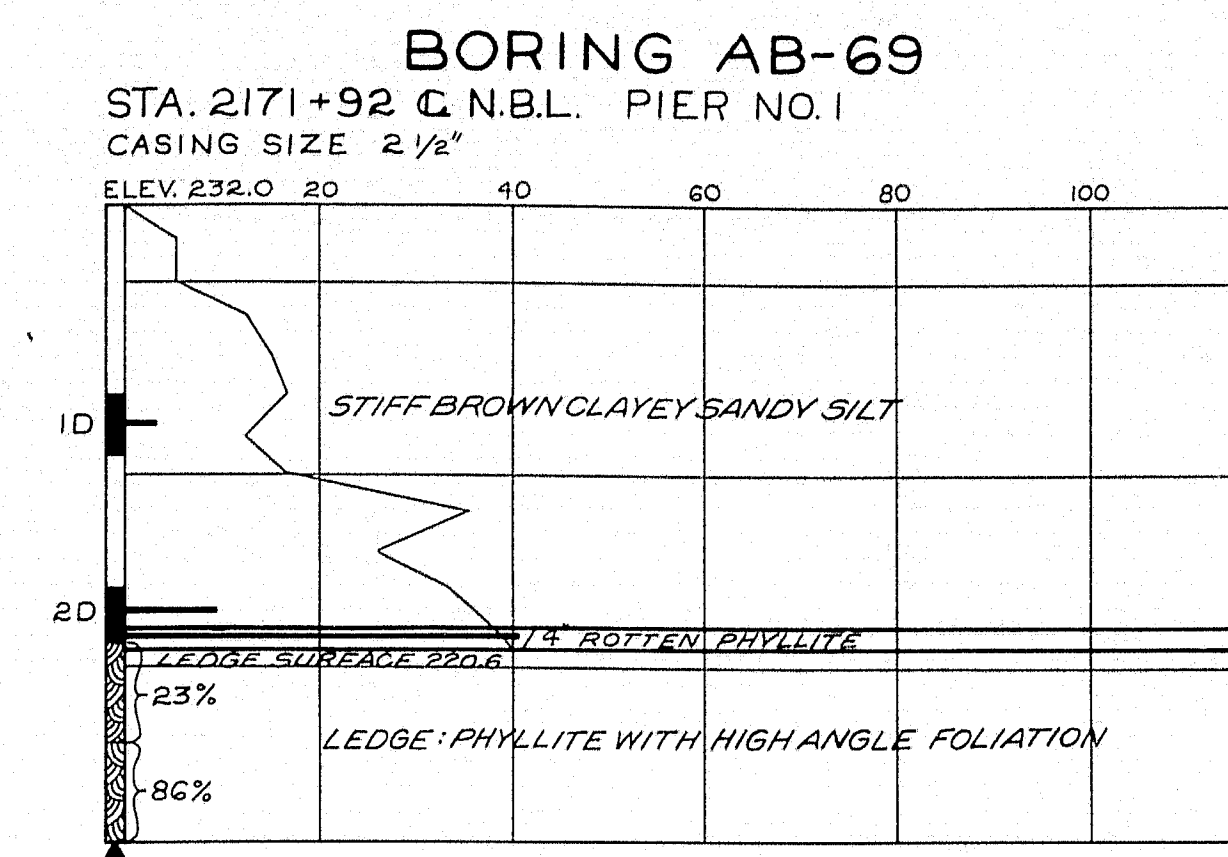
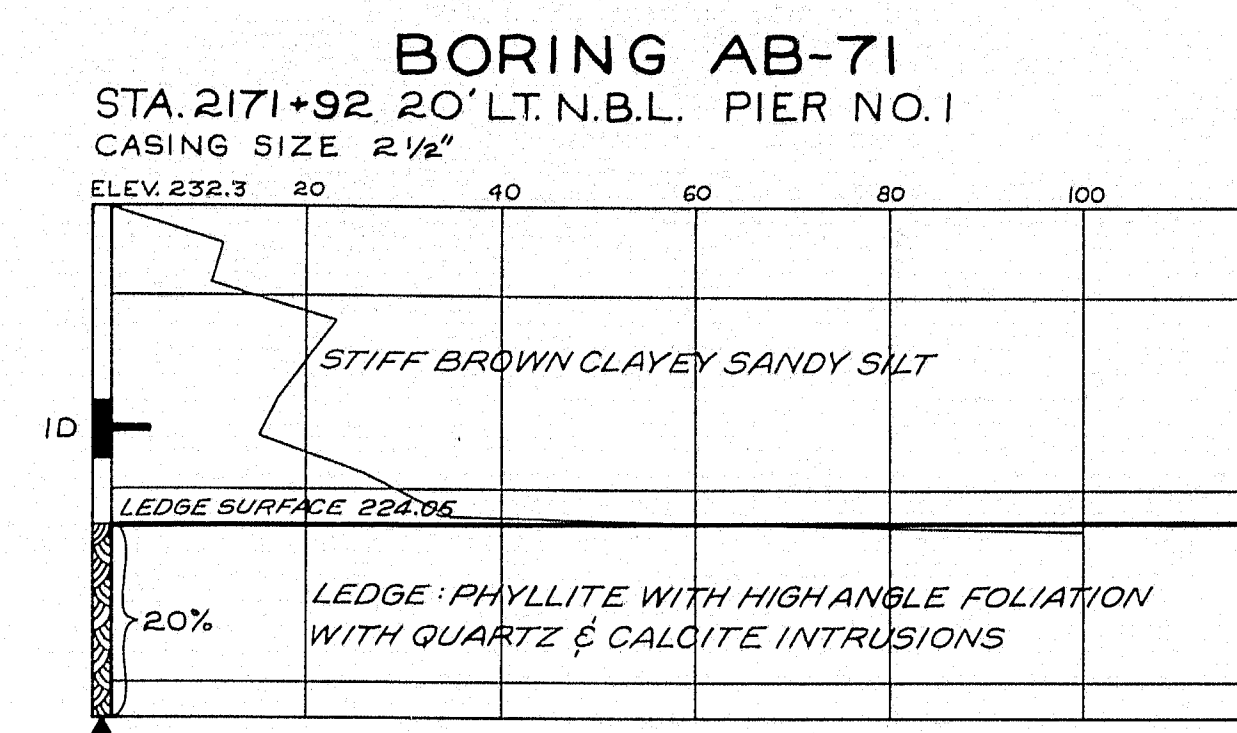
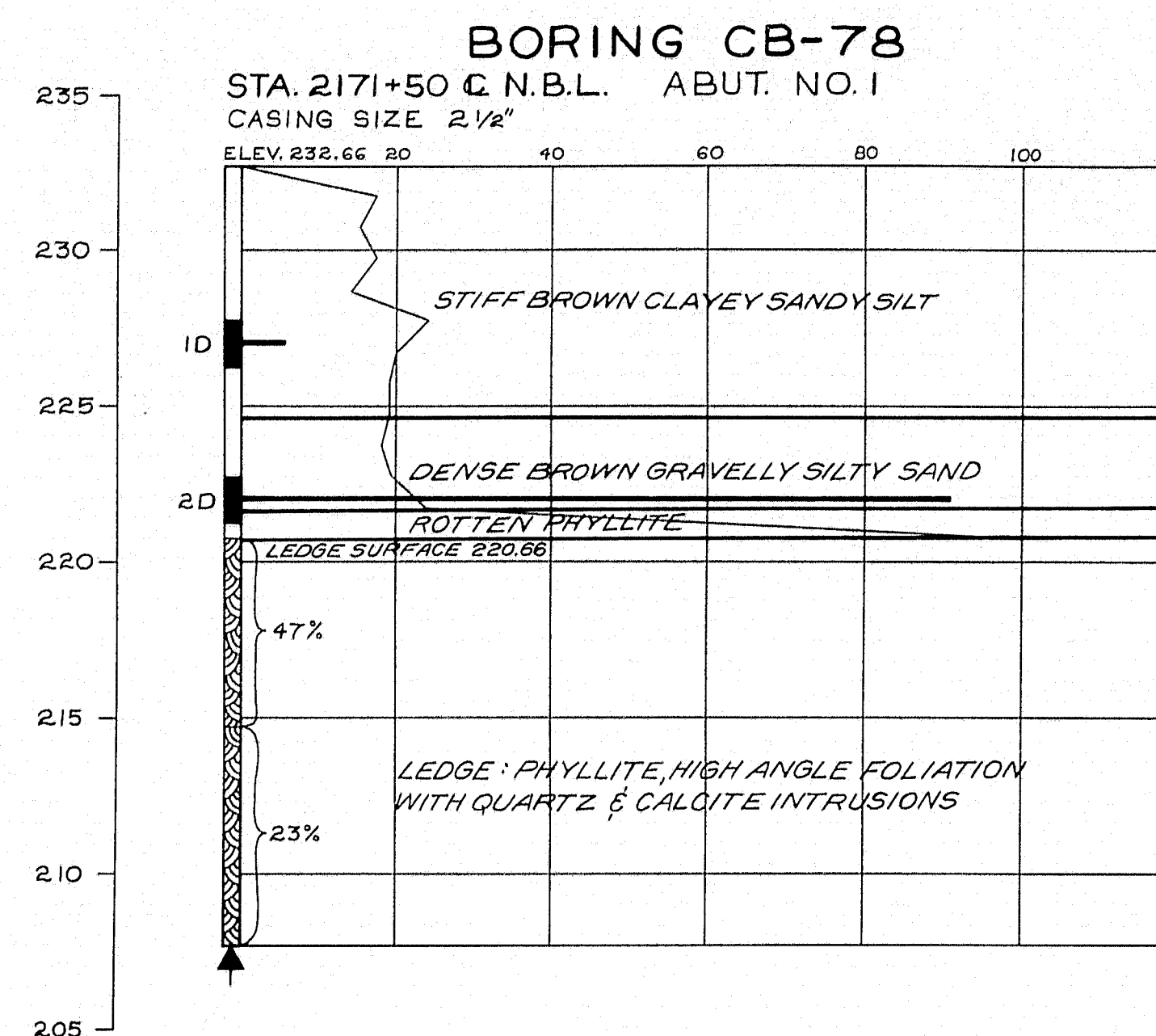
STATE HIGHWAY COMMISSION  
BRIDGE DIVISION

INTERSTATE 95  
OVER  
MAINE CENTRAL R.R. AND ROUTE 152  
IN THE TOWN OF  
PITTSFIELD  
SOMERSET COUNTY  
BORING DETAILS

SHEET 5 OF 41 AUGUSTA, MAINE April 1963



ELEVATION



NOTE:  
THIS SHEET HAS BORING DETAILS  
FOR NORTHBOUND LANE MCRR STRUCTURE.

DESIGN - Soils Division  
TRACE -  
CHECK -

BRIDGE NO.  
SURVEY -  
PLOT -

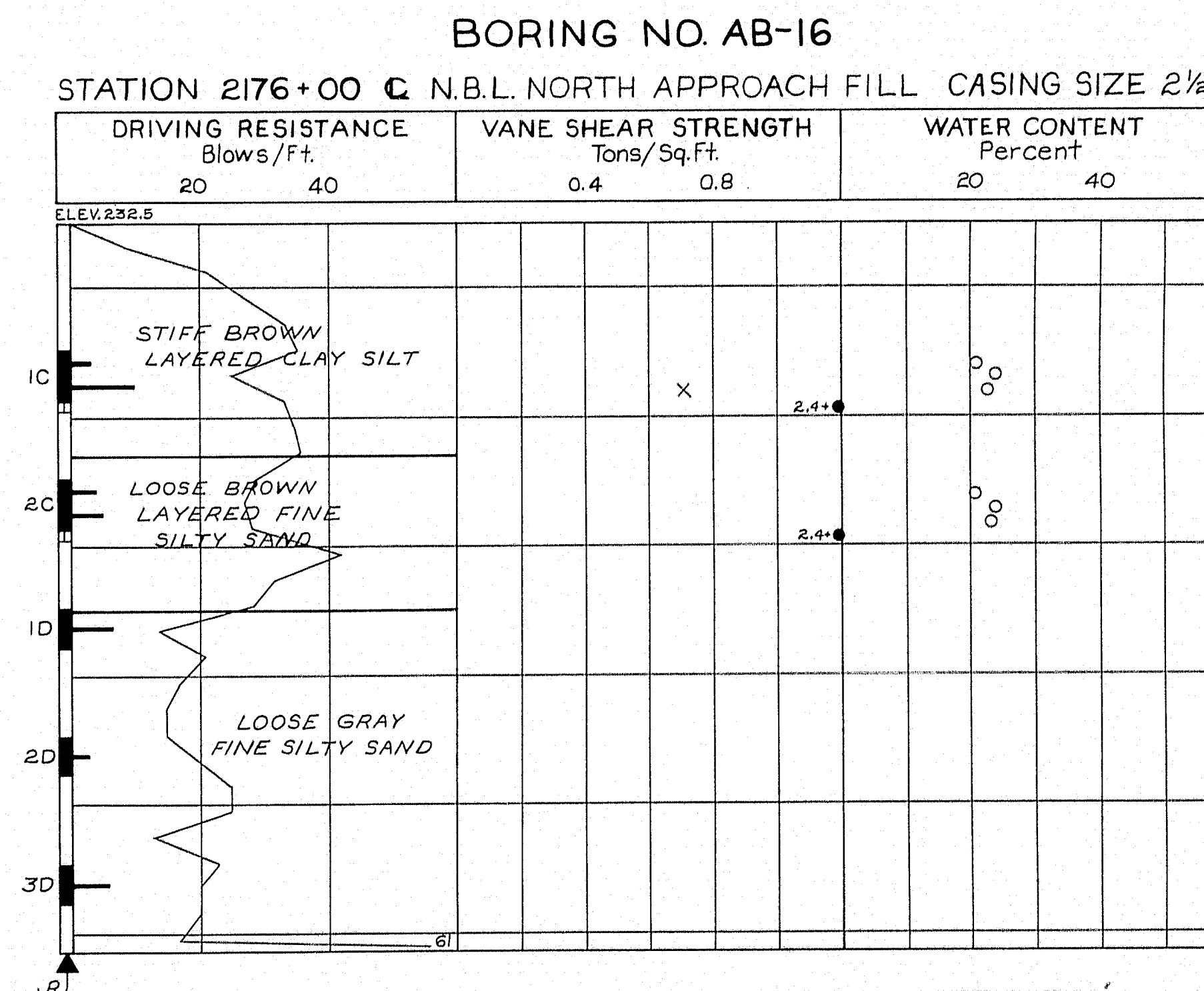
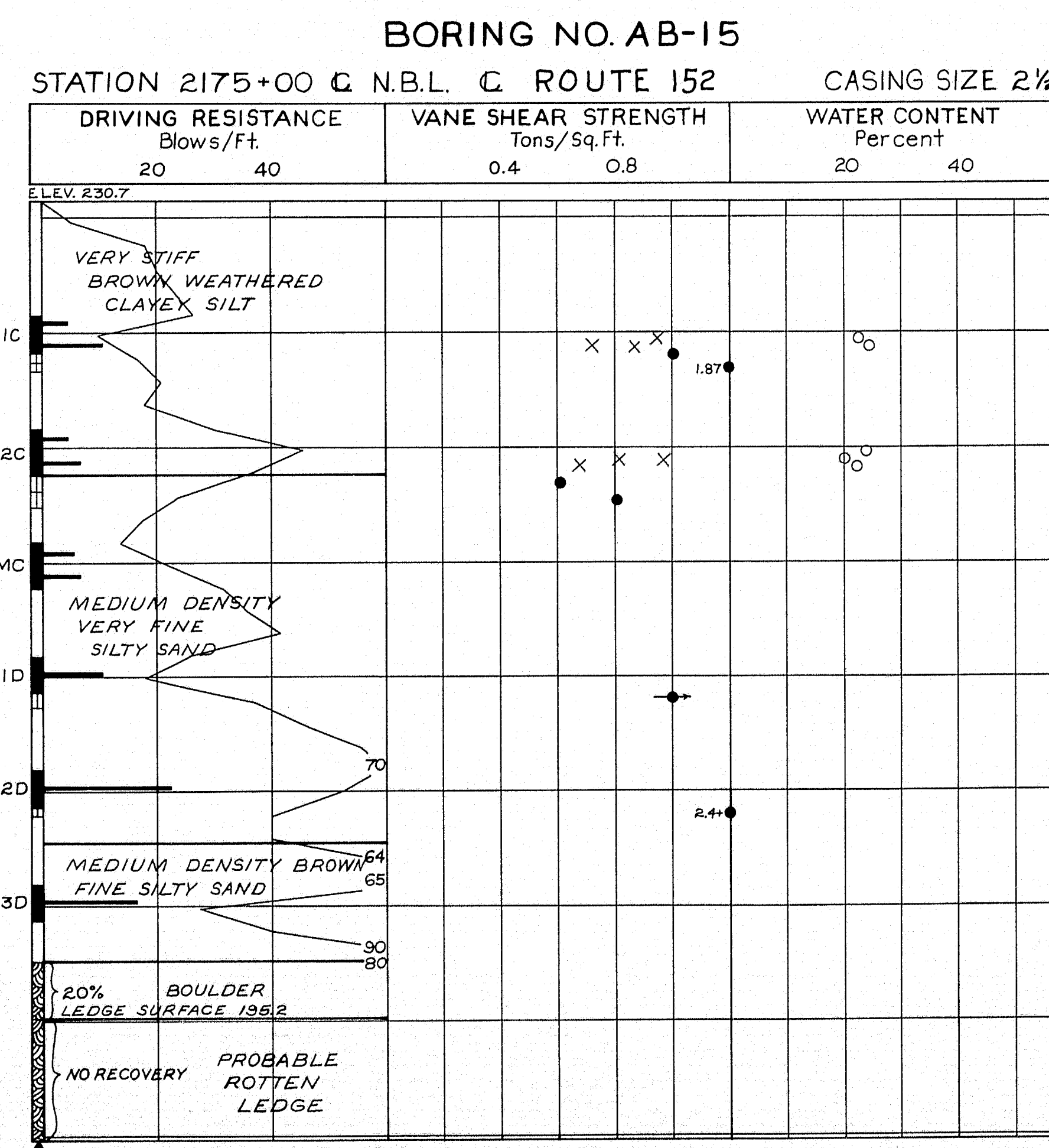
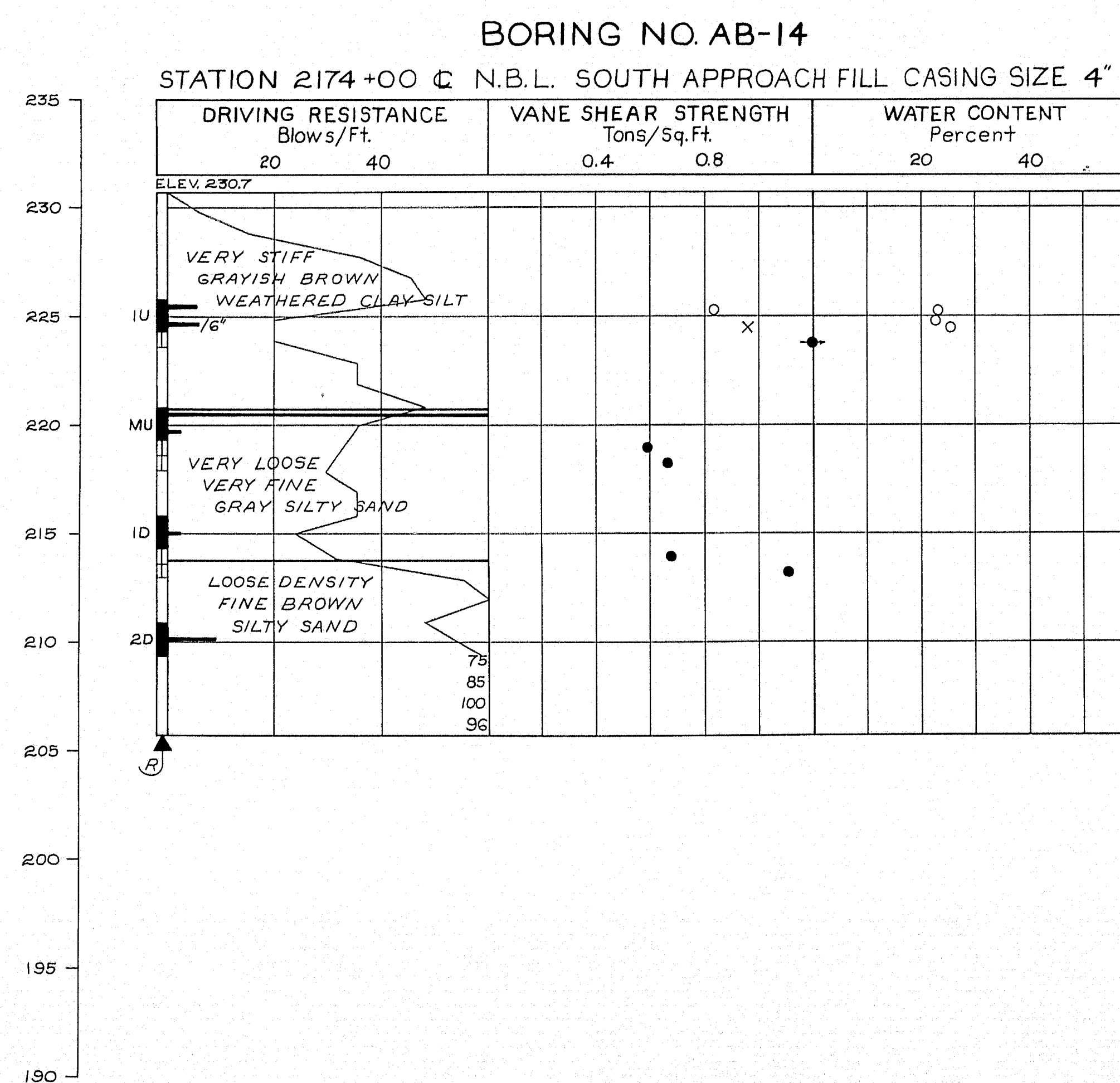
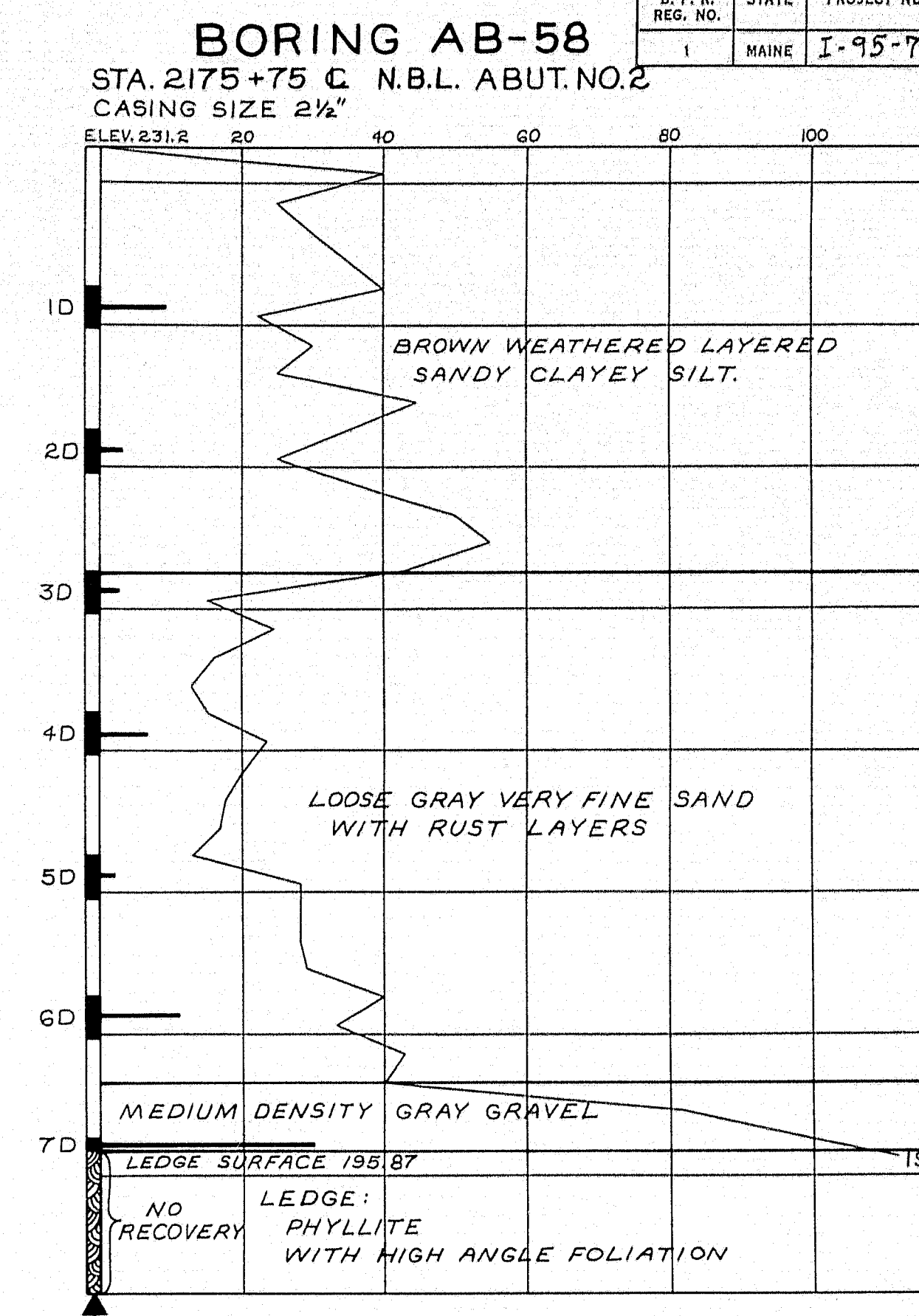
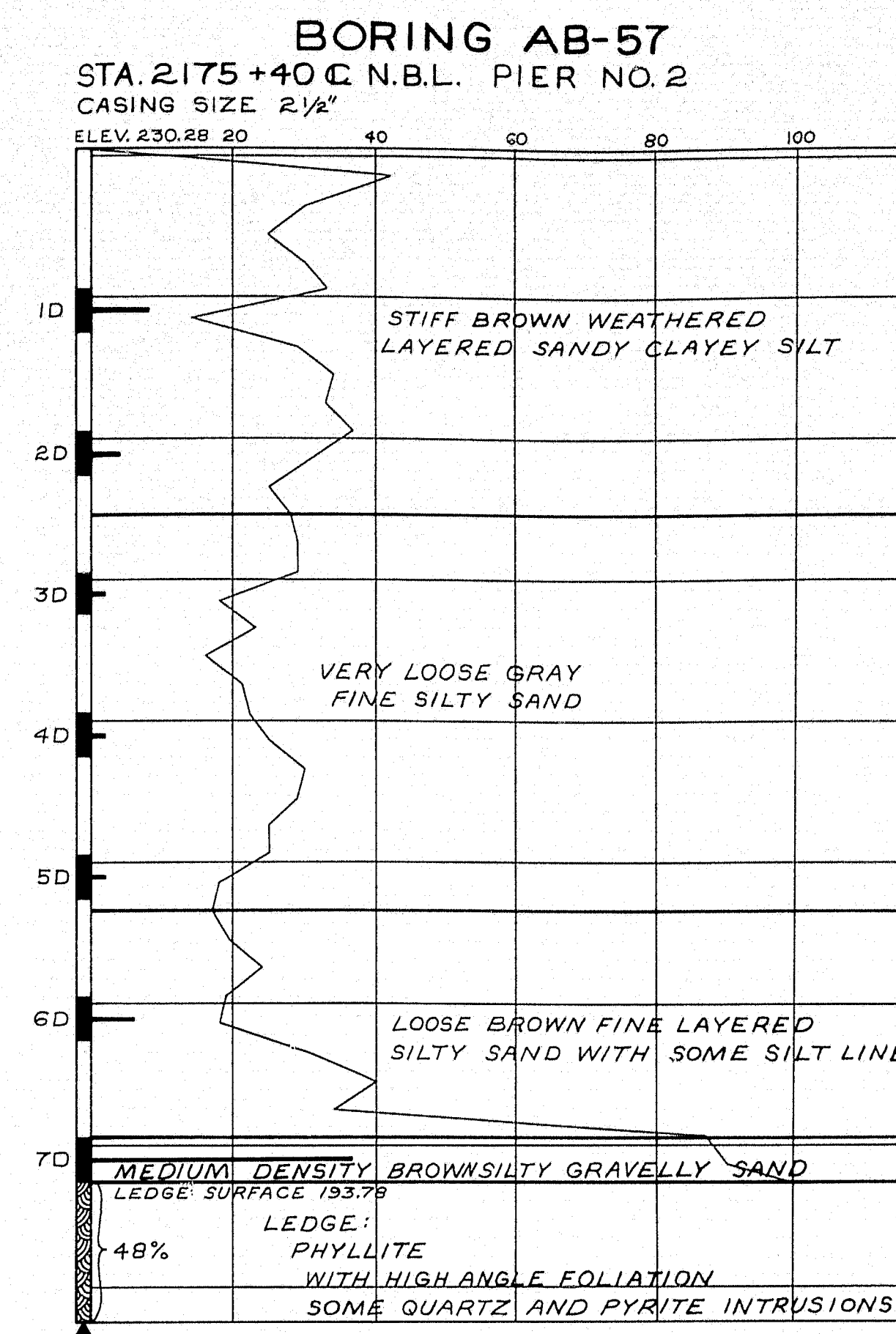
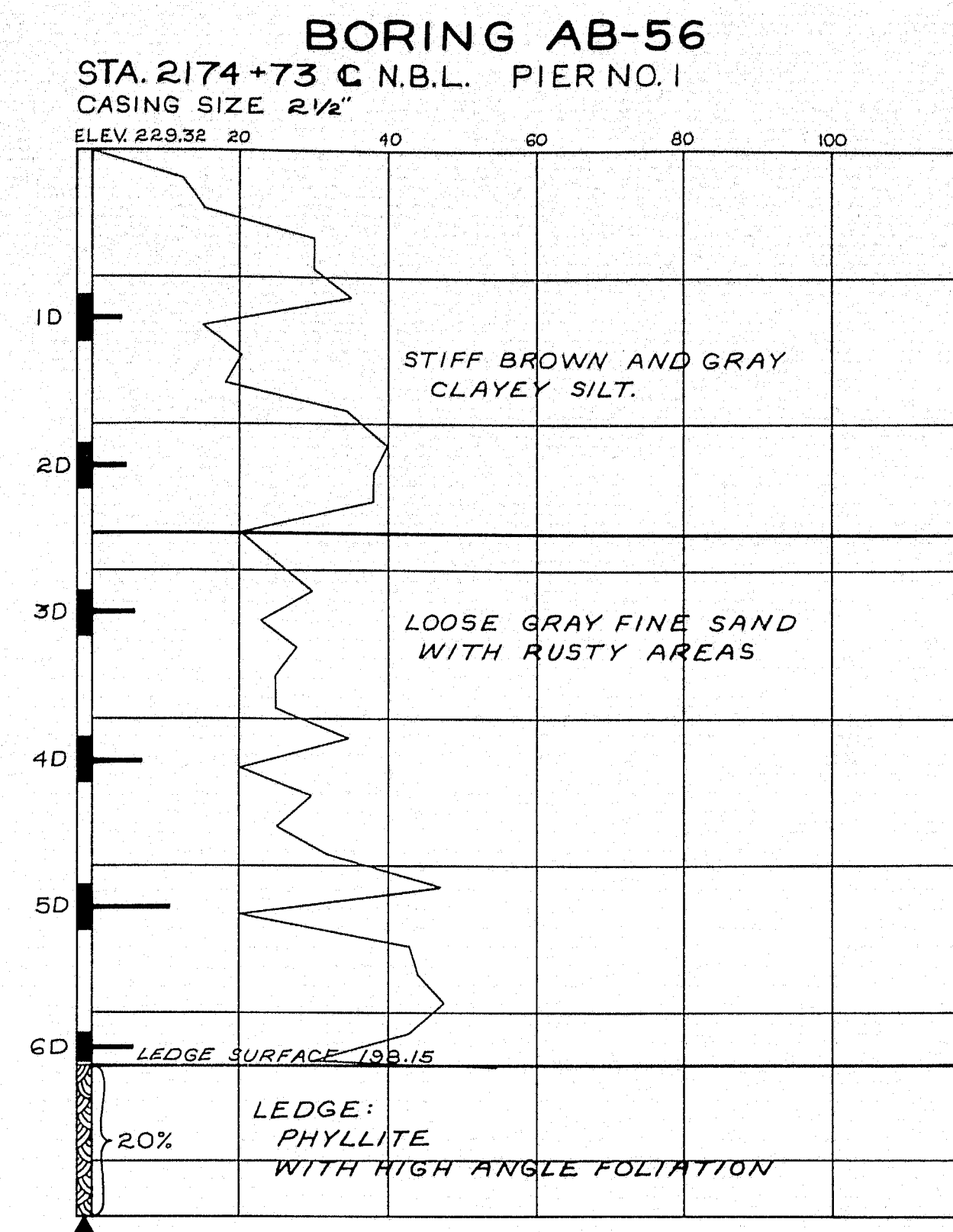
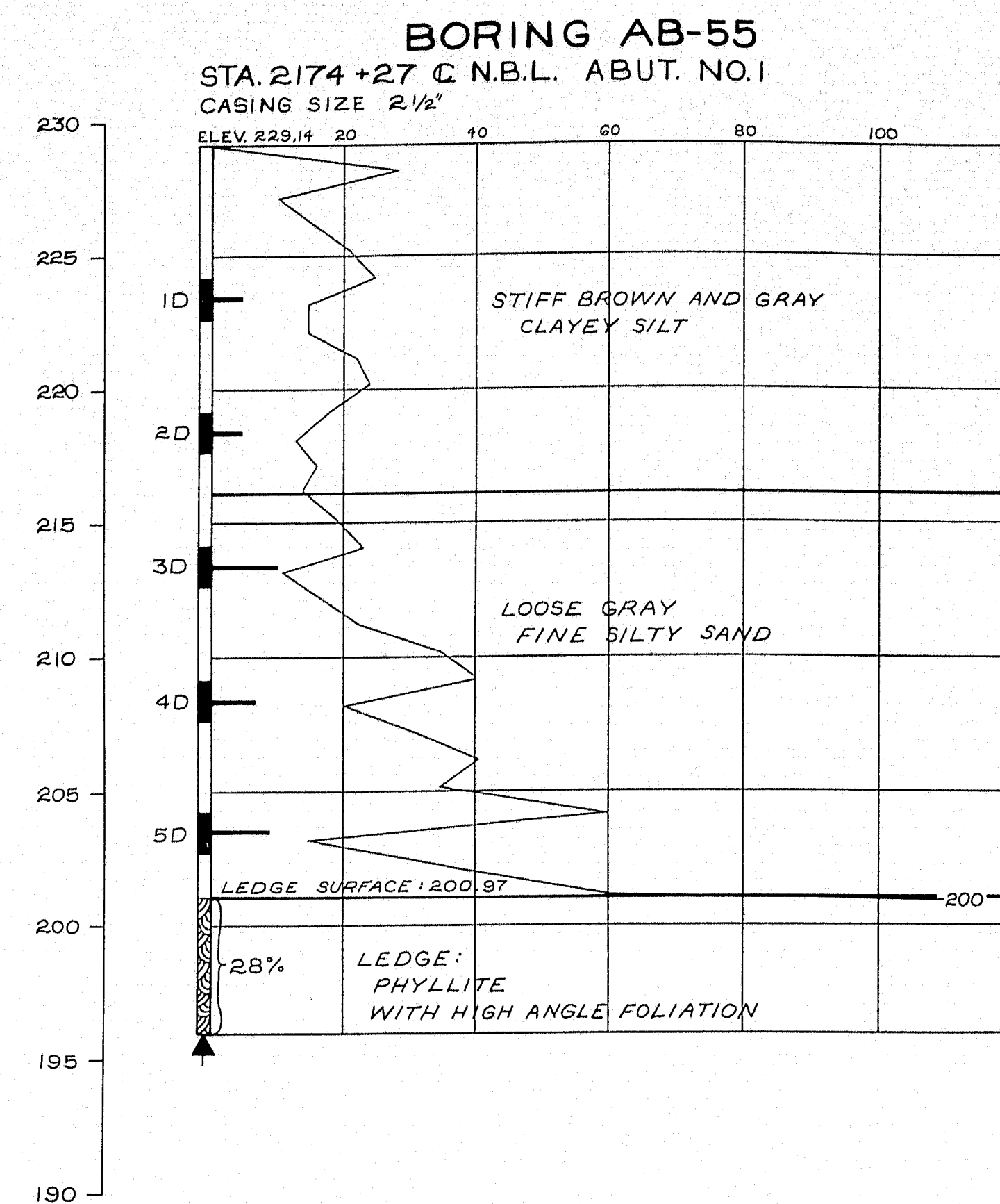
STATE HIGHWAY COMMISSION  
BRIDGE DIVISION

INTERSTATE 95  
OVER  
MAINE CENTRAL R.R. AND ROUTE 152  
IN THE TOWN OF  
PITTSFIELD  
SOMERSET COUNTY  
BORING DETAILS

SHEET 6 OF 41 AUGUSTA, MAINE April 1963



ELEVATION



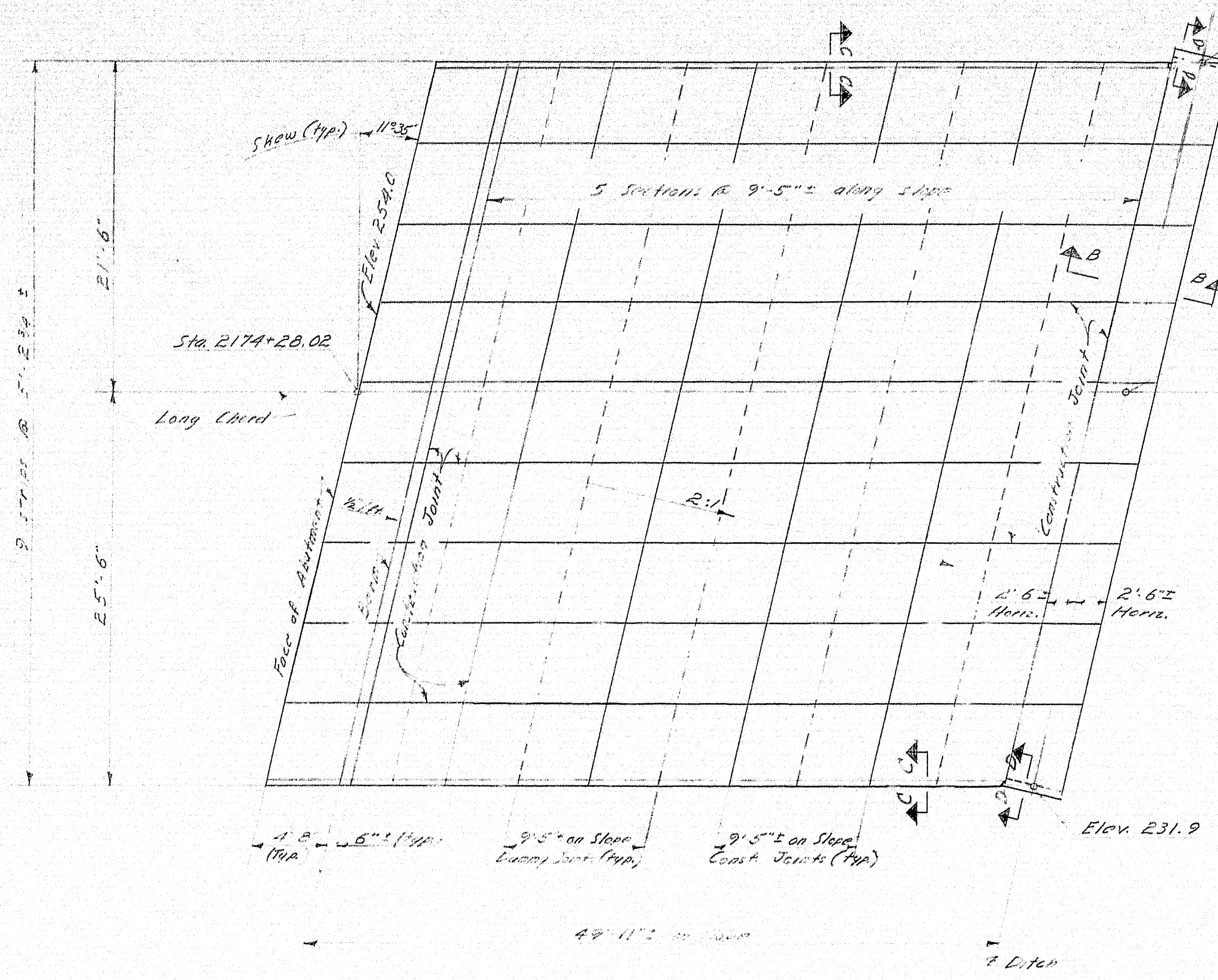
NOTE:  
THIS SHEET HAS BORING DETAILS FOR NORTHBOUND LANE RTE. 152 STRUCTURE.

DESIGN - Soils Division  
TRACE -  
CHECK -  
BRIDGE NO. SURVEY PLOT -  
STATE HIGHWAY COMMISSION  
BRIDGE DIVISION  
INTERSTATE 95  
OVER  
MAINE CENTRAL R.R. AND ROUTE 152  
IN THE TOWN OF  
PITTSFIELD  
SOMERSET COUNTY  
BORING DETAILS  
SHEET 7 OF 4/ AUGUSTA, MAINE April 1963

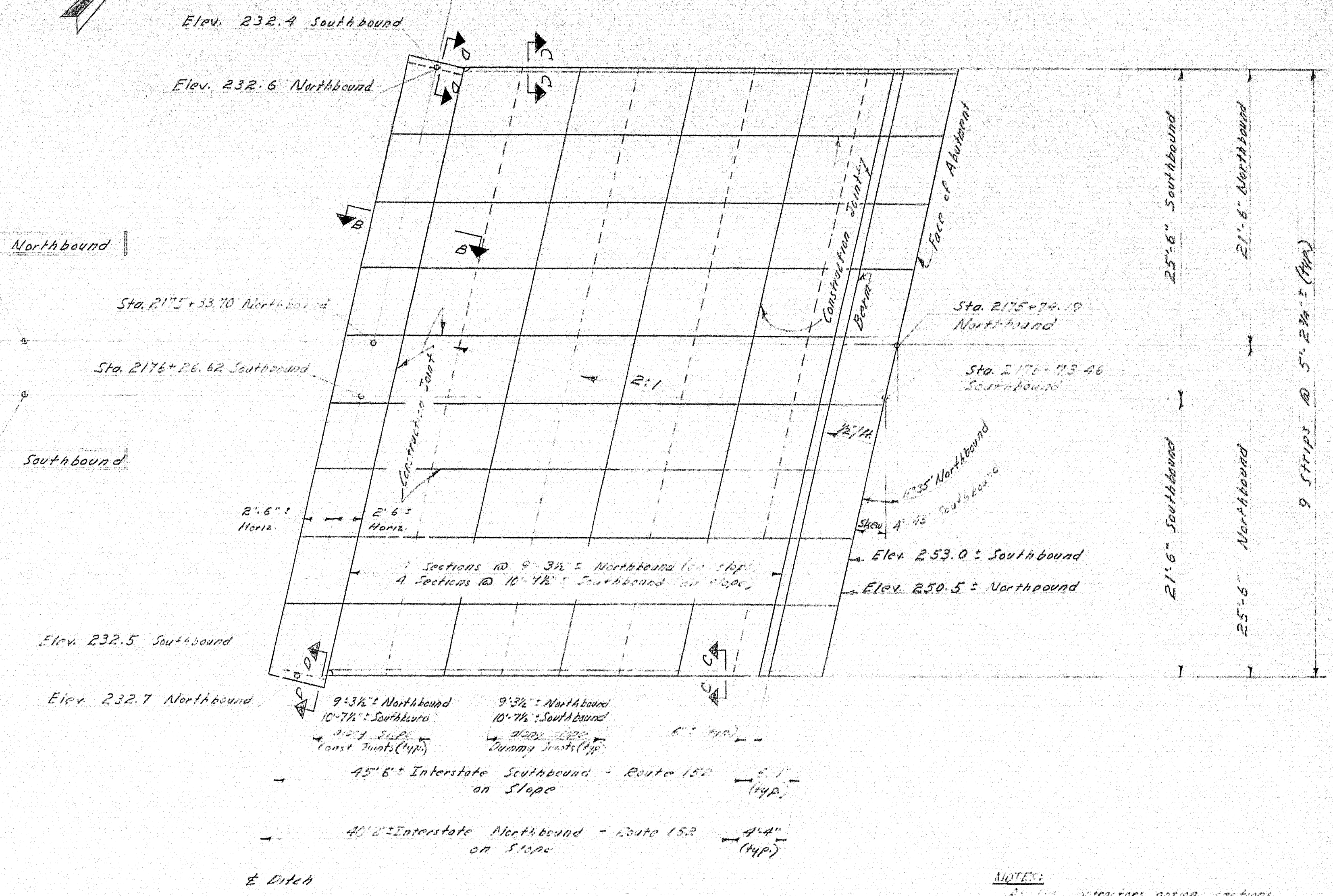






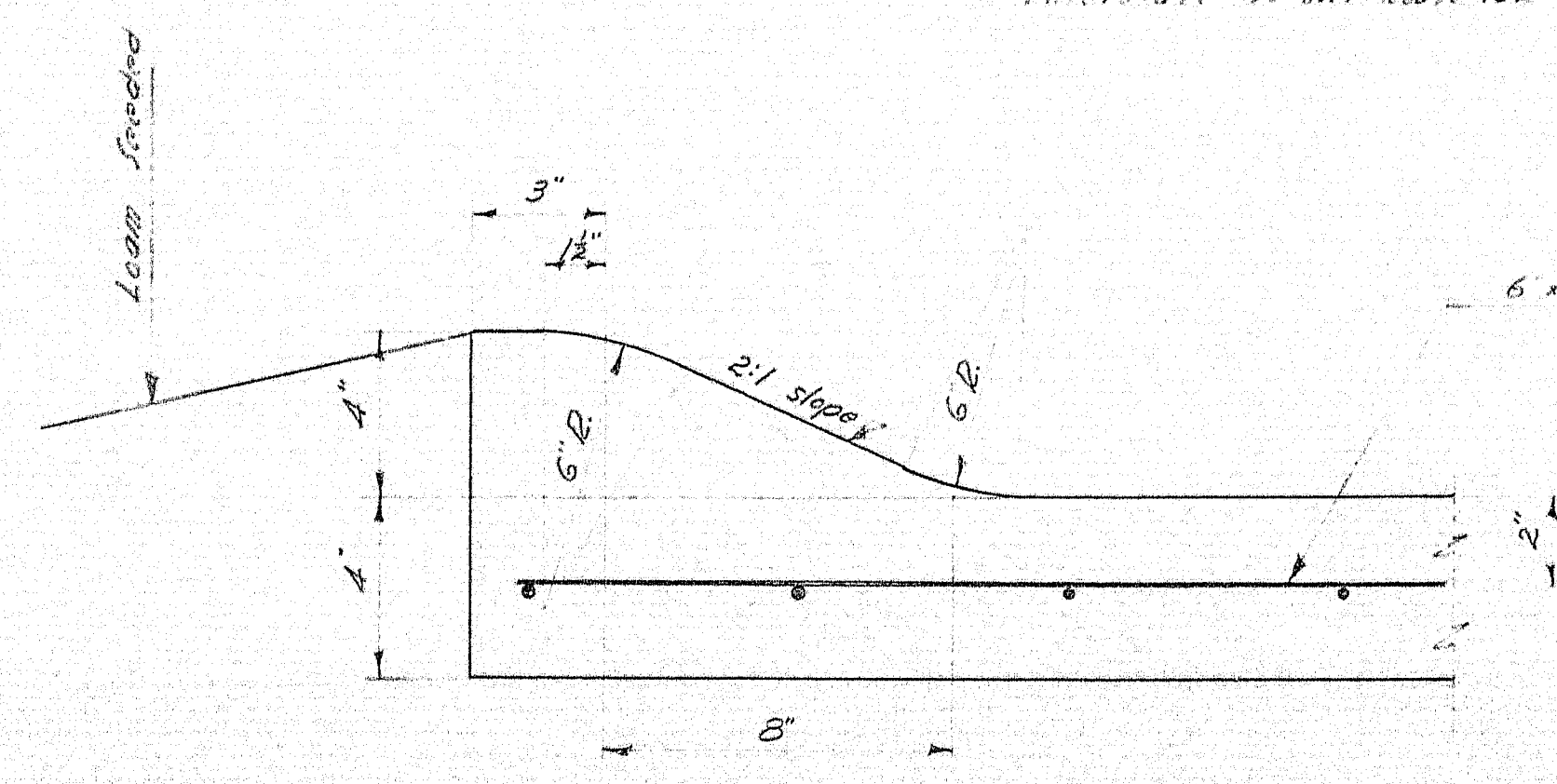


**ABUTMENT #1 N.B.**  
Interstate 95 over Route 152

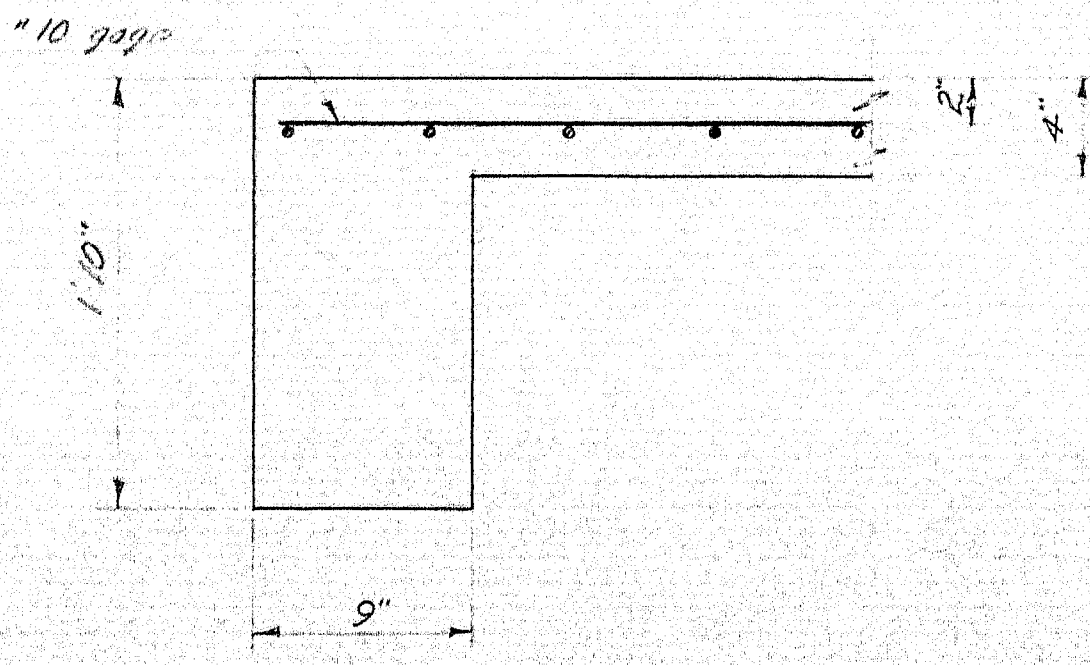


**ABUTMENT #2 N.B. & S.B.**  
Interstate 95 over Route 152

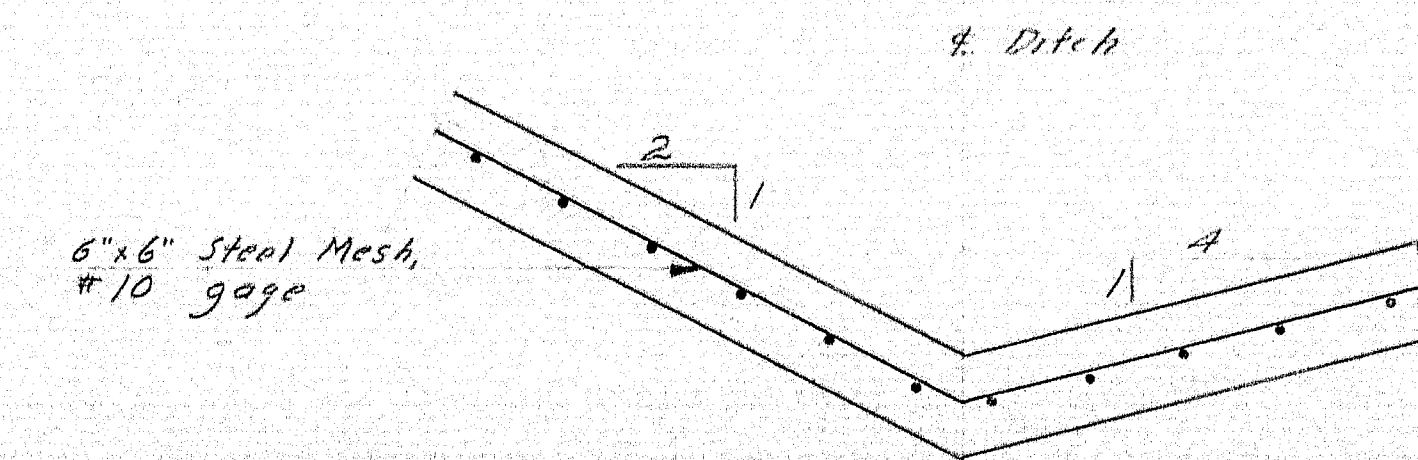
**NOTES:**  
1. The contractor shall place sections of the same strip may be cut in place. Shown bands be using a preferred continuous tapered expansion joint filler between adjoining sections. Dummy joints shall be made with a sidewalk edger tool to a depth of about 1/4". Construction joints shall be finished with a sidewalk edging tool. The top surface of all joints shall be uniform in appearance.



SECTION C-C



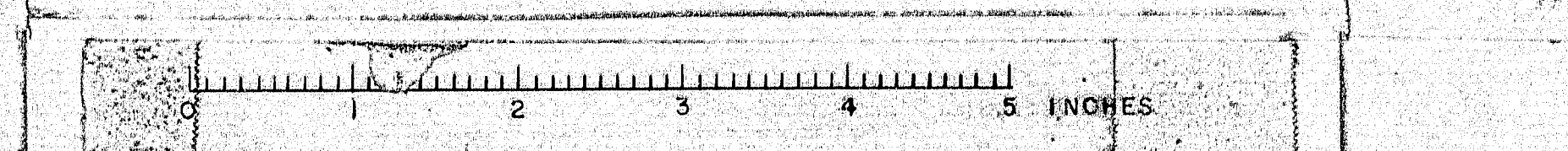
SECTION D-D



SECTION B-B

Work this sheet with sheet "B"

DESIGN-DETAIL-BTA	BRIDGE NO.
TRACE-VL	SURVEY-PLOT
STATE HIGHWAY COMMISSION BRIDGE DIVISION <b>INTERSTATE 95</b> OVER <b>MAINE CENTRAL RAILROAD &amp; ROUTE 152</b> IN THE TOWN OF <b>PITTSFIELD</b> <b>SOMERSET COUNTY</b> SLOPE PAVING-ALTERNATE SHEET 8A OF 41 AUGUSTA, MAINE AUGUST 1963	

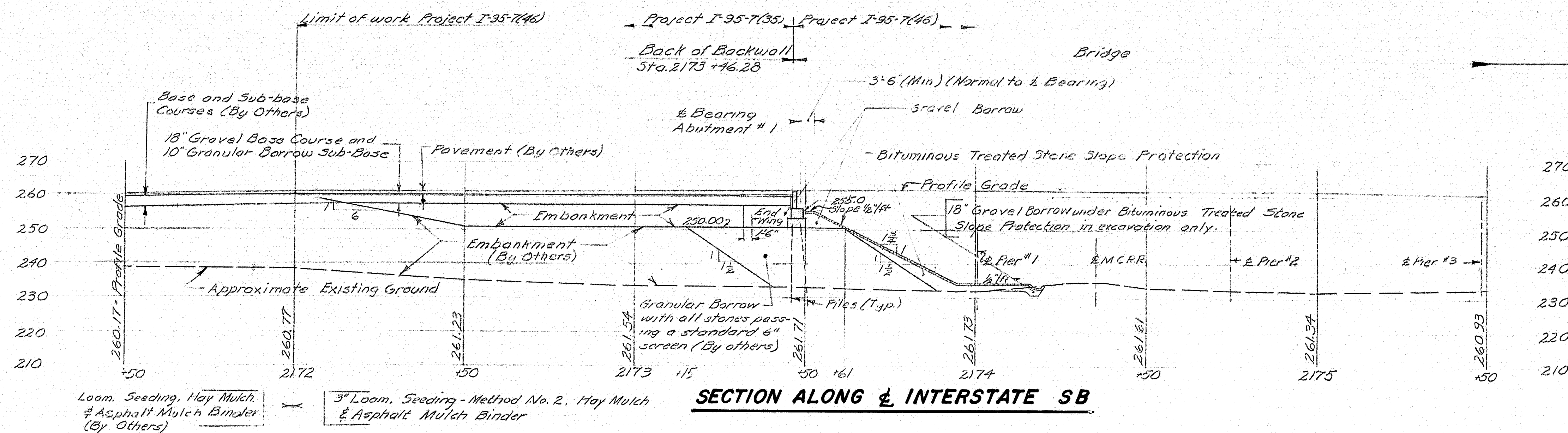




# NOTE

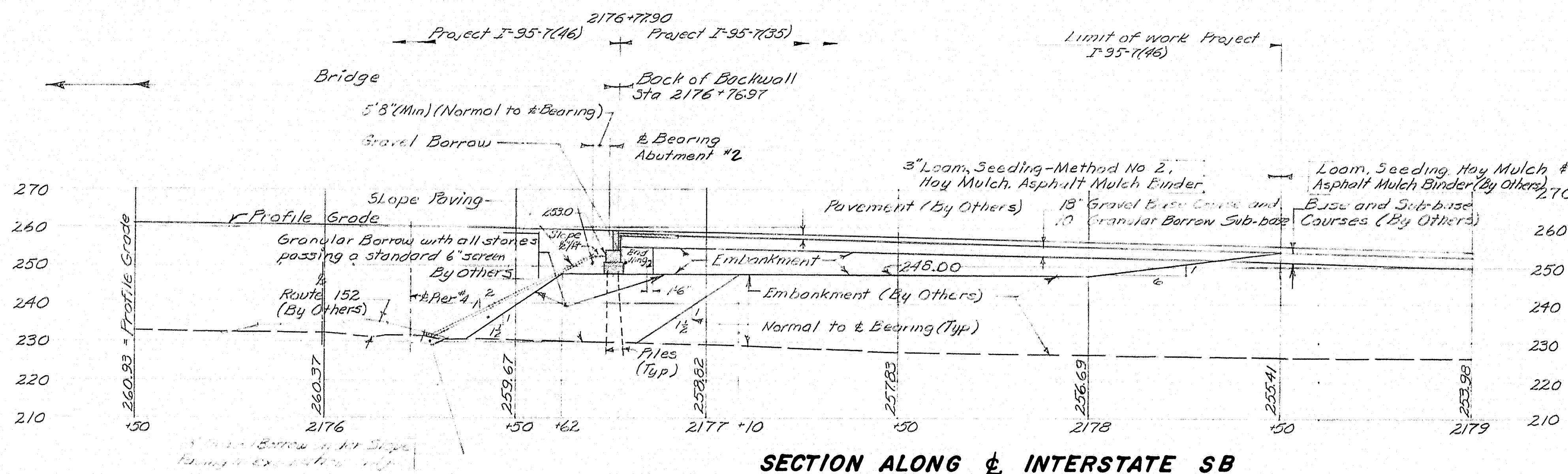
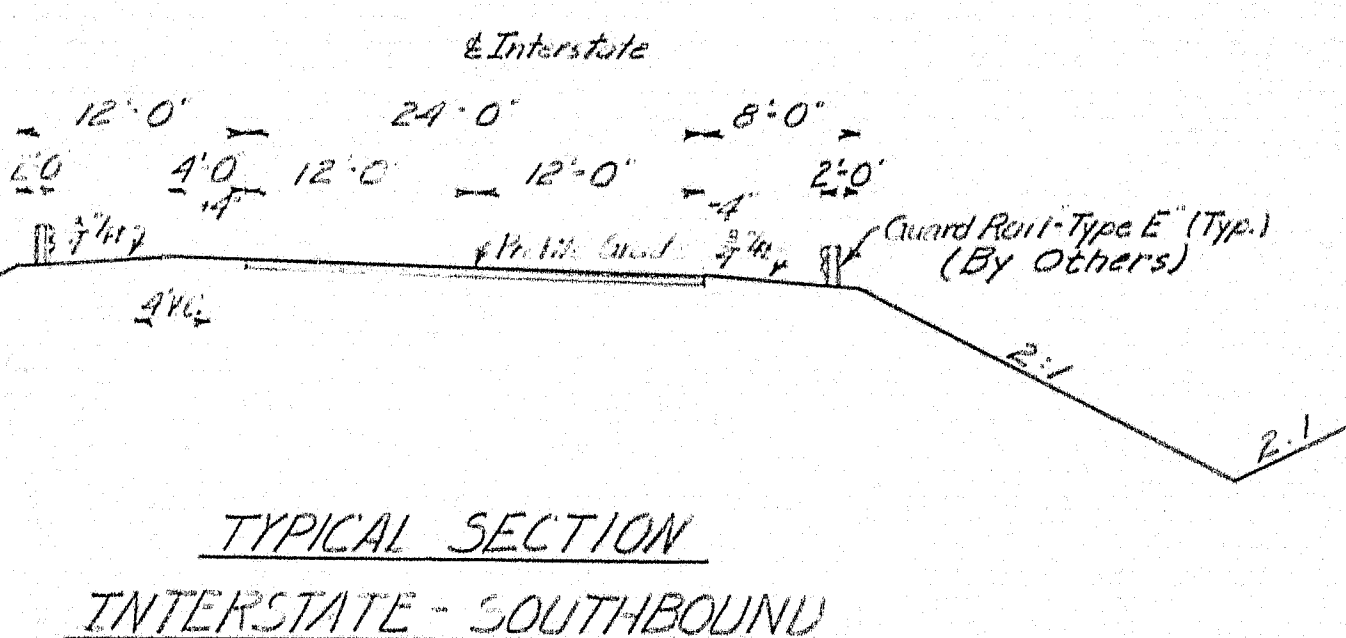
Face of Guard Rail shall line up with inside face of Concrete End Posts on bridge. For location of ends of posts see Table below.

LOCATION CONCRETE END POSTS		
ABUTMENT	STATION	OFF & INTERSTATE
S.B. #1	2173+31	10'-5" R
	2173+36	22'-5" L
S.B. #2	2176+89	18'-5" R
	2176+91	22'-5" L



SECTION ALONG & INTERSTATE SB

TYPICAL SECTION  
INTERSTATE - NORTHBOUND



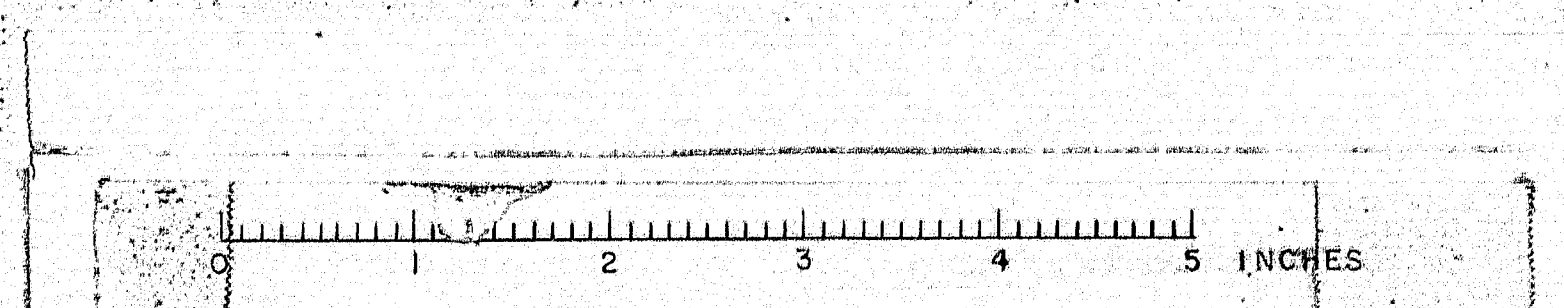
SECTION ALONG & INTERSTATE SB

NOTE: For details of Route 152, Typical Section, see Sheet 8.

DESIGN - C.D.H.	BRIDGE NO.
TRACE - B.S.H.	SURVEY -
CHECK - Dr. J. H. H.	PLOT -

STATE HIGHWAY COMMISSION  
BRIDGE DIVISION

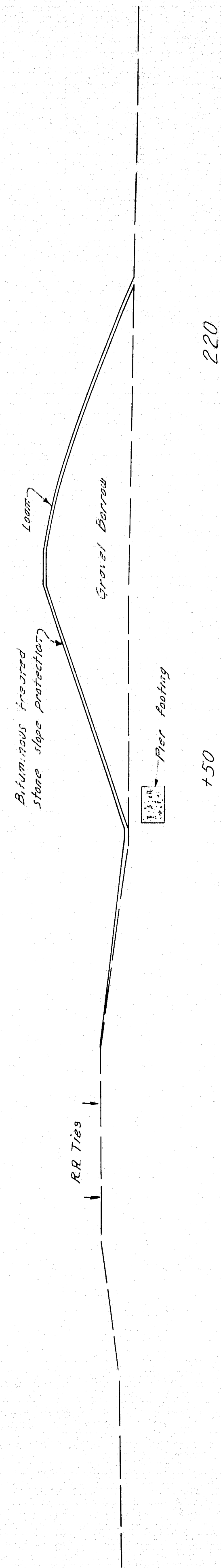
**INTERSTATE 95**  
OVER  
**MAINE CENTRAL RAILROAD & ROUTE 152**  
IN THE TOWN OF  
**PITTSFIELD**  
**SOMERSET COUNTY**  
ROADWAY WORK - SOUTHBOUND  
SHEET 9 OF 41 AUGUSTA, MAINE JANUARY 1963



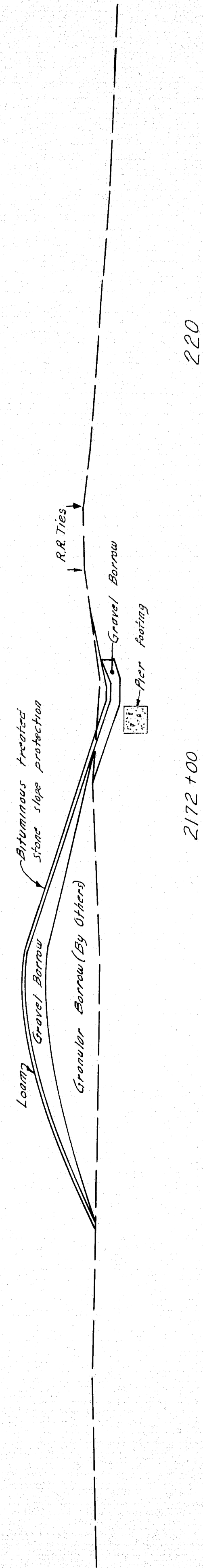


B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	SHEET OF
1	MAINE	T-95-7(48)	10	41

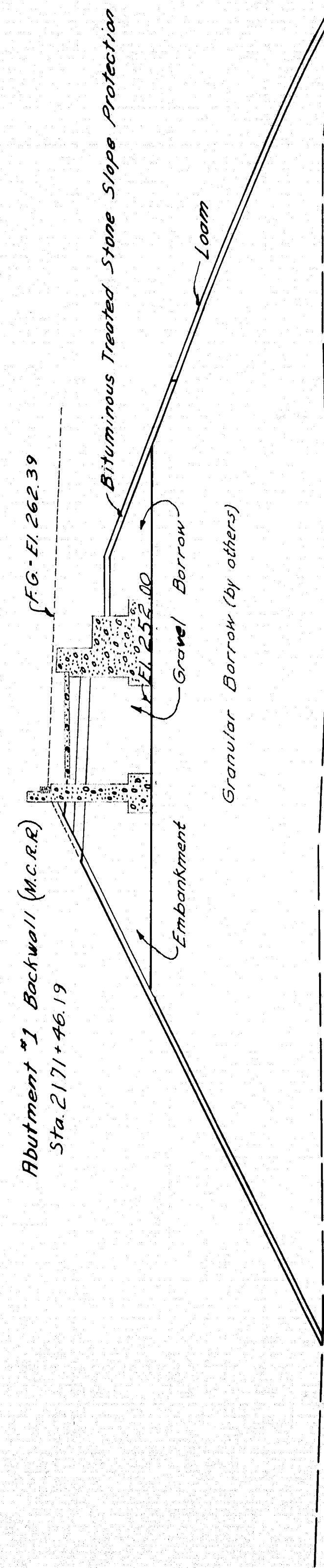
FG-EL 261.89



FG-EL 262.22



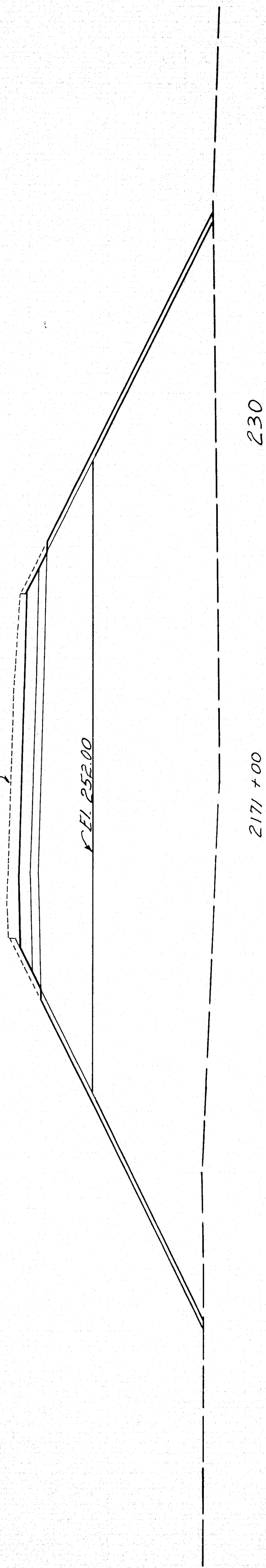
Abutment #1 Backwall (M.C.R.R.)  
Sta. 2171+46.19



+50

220

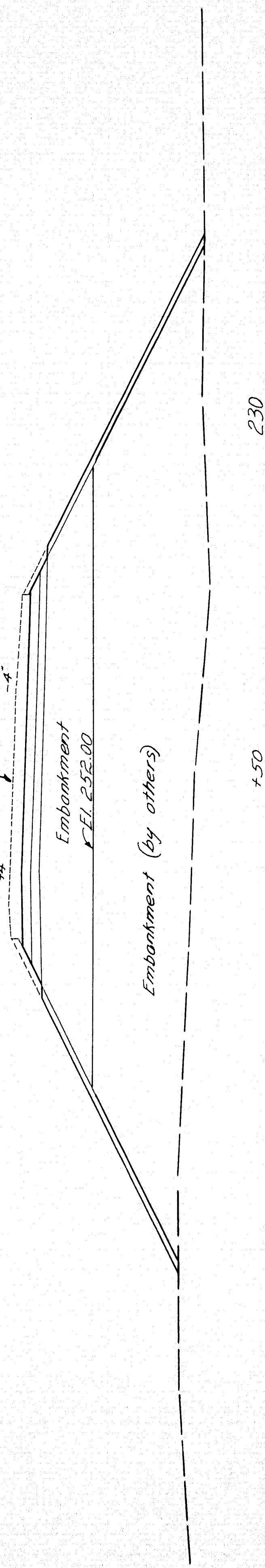
FG-EL 262.42



2171+00

230

FG-EL 262.31



+50

230

DESIGN - C.D.H. & P.W. DET. - L.L.R.	BRIDGE NO.
TRACE - L.L.R.	SURVEY
CHECK -	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
INTERSTATE 95 OVER MAINE CENTRAL RAILROAD & ROUTE 152 IN THE TOWN OF PITTSFIELD SOMERSET COUNTY	
CROSS SECTIONS - /	
SHEET 10 OF 41	AUGUSTA, MAINE JAN. 63

3" Loam, Seeding, Method No. 2  
Hay Mulch & Asphalt Mulch Binder.

Embankment (by others)

Approximate Existing Ground Surface (Typical all sections)

Limit of Work (Zero section)

2170+00

230

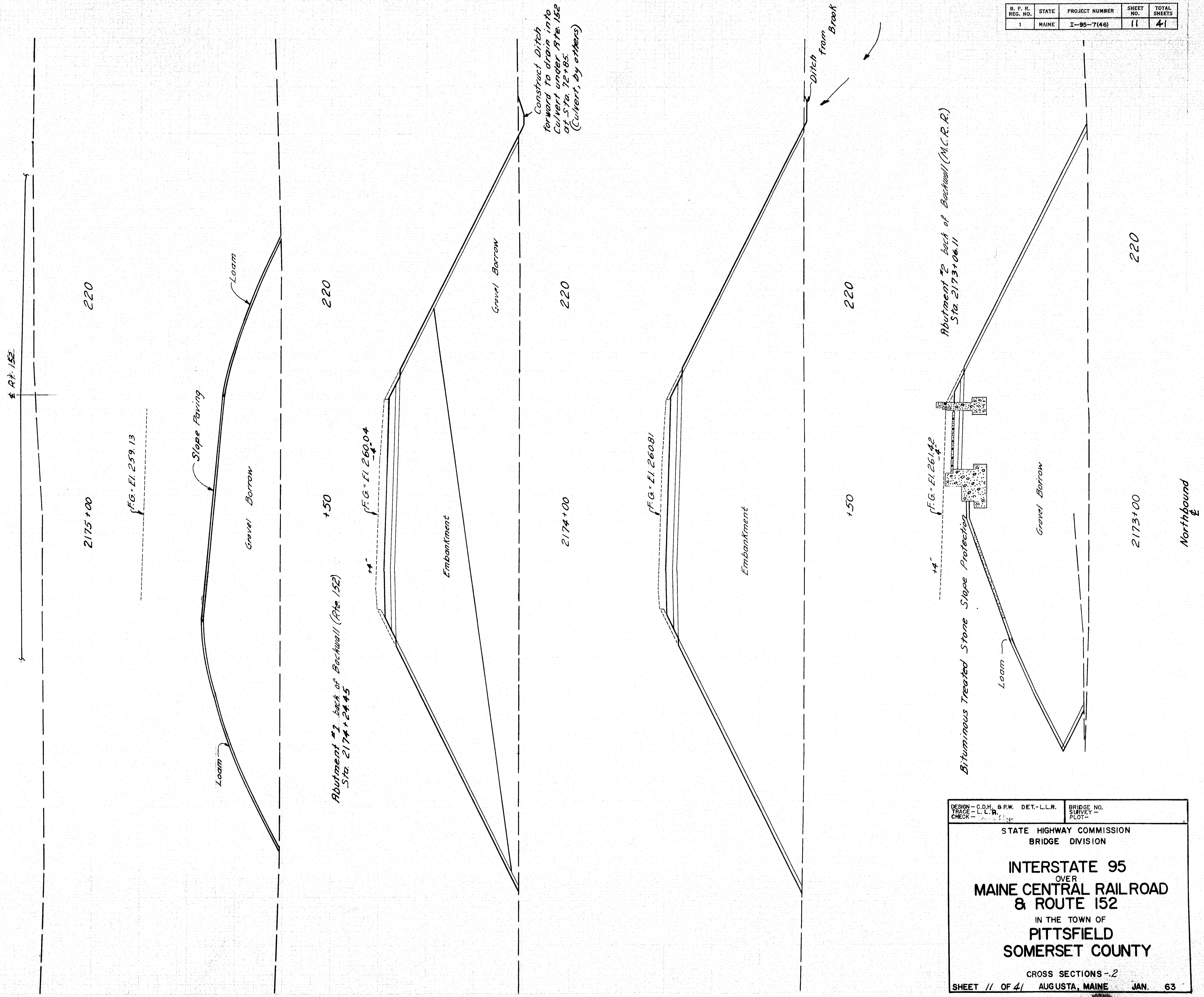
Northbound

83 35

0 1 2 3 4 5 INCHES



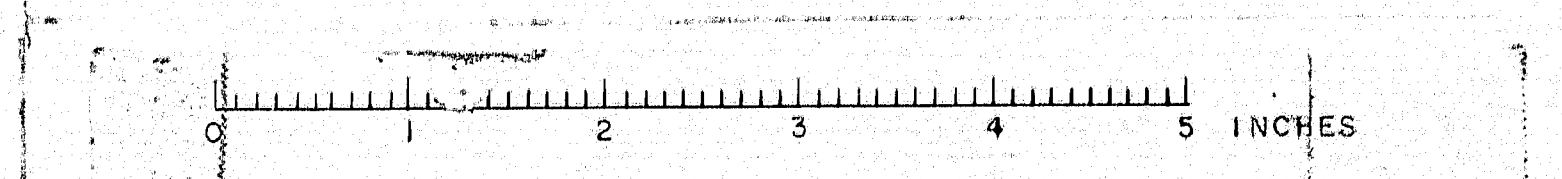
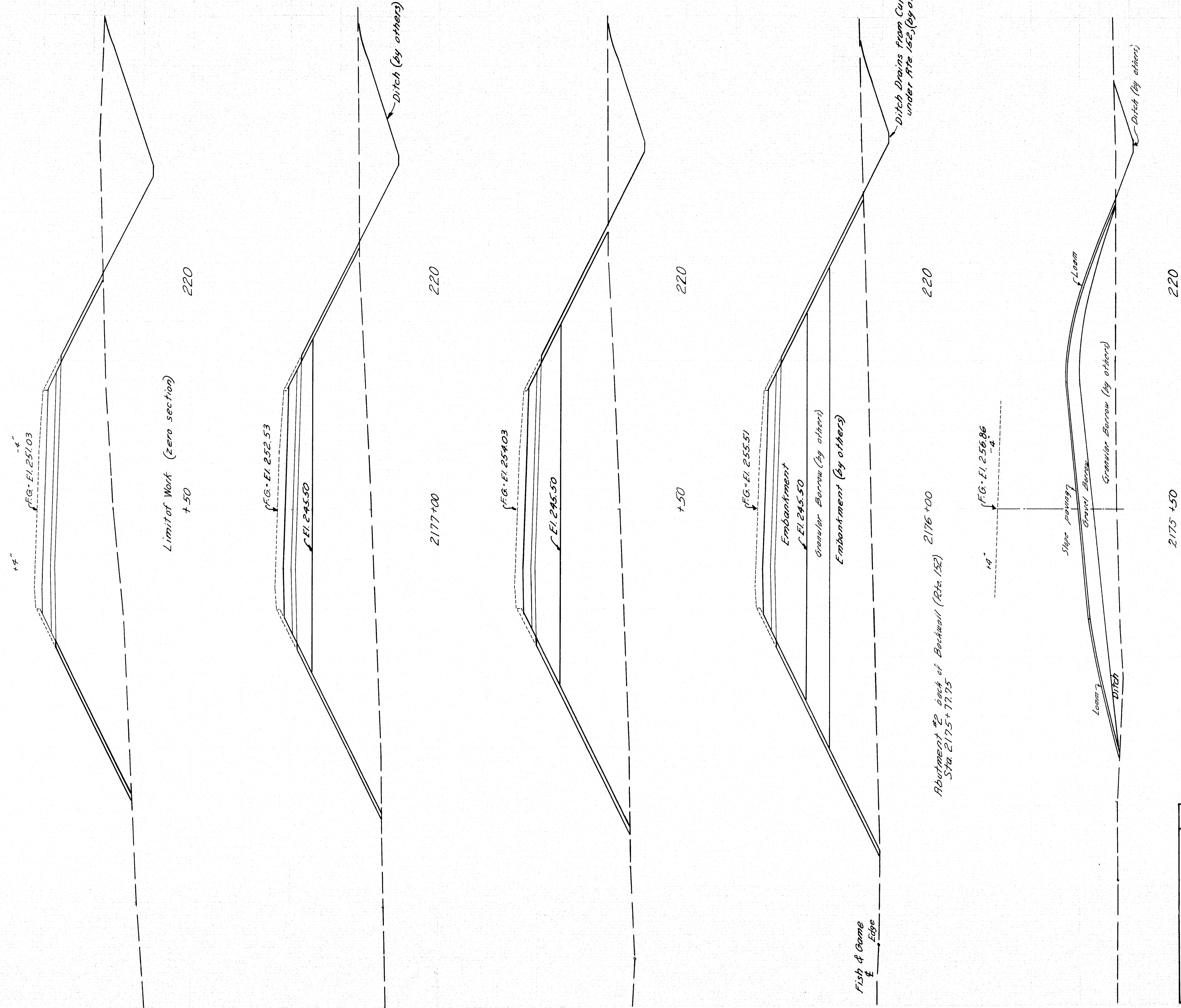
B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-7(46)	11	41



DESIGN - C.D.H. & P.W.	DET. - L.L.R.	BRIDGE NO.
TRACE - L.L.R.	SURVEY	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION		
<b>INTERSTATE 95</b> OVER <b>MAINE CENTRAL RAILROAD &amp; ROUTE 152</b> IN THE TOWN OF <b>PITTSFIELD</b> <b>SOMERSET COUNTY</b>		
CROSS SECTIONS - 2		
SHEET 11 OF 41	AUGUSTA, MAINE	JAN. 63



B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-7(16)	12	41



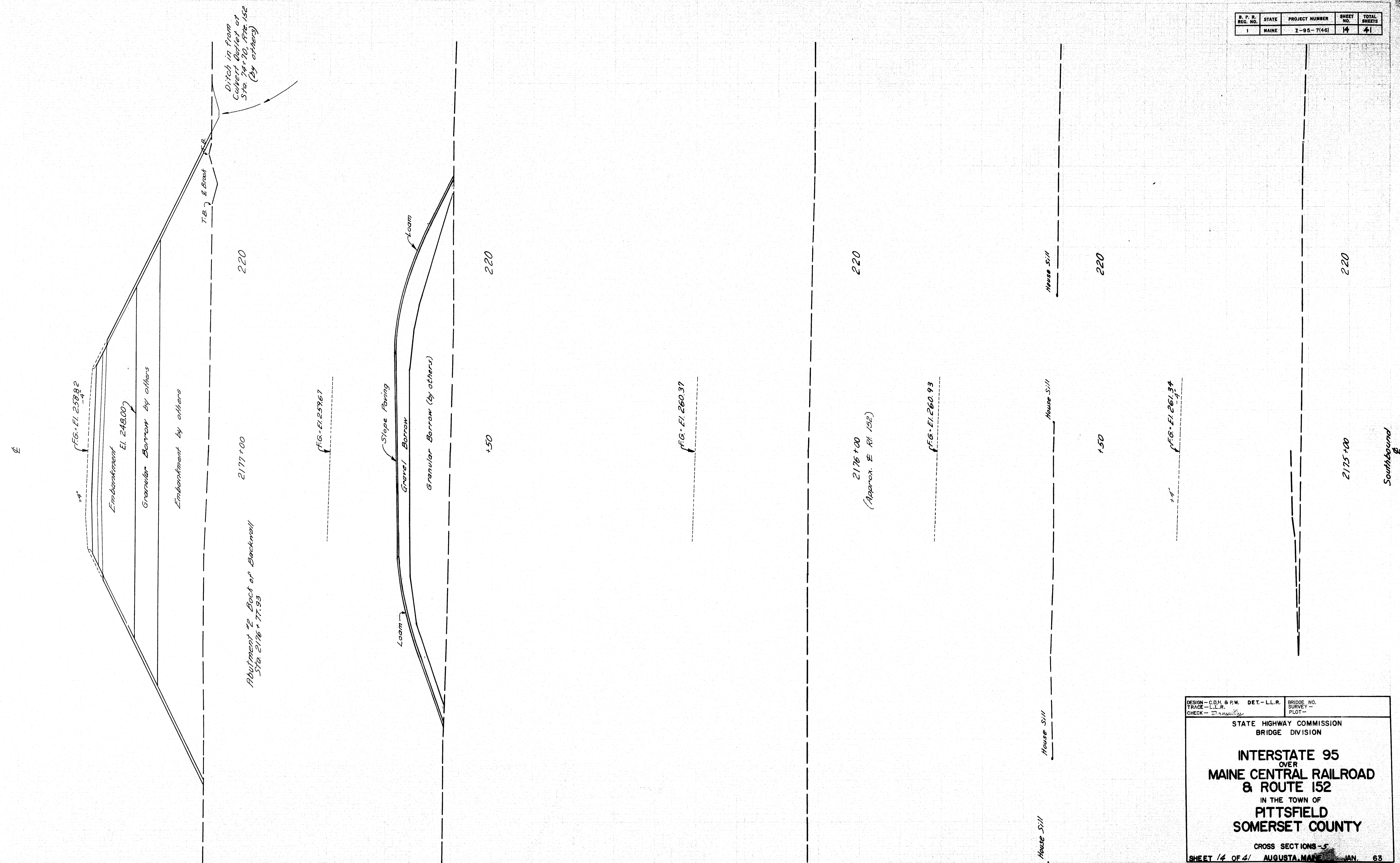
DESIGN - C.D.H. & P.W. DET - L.L.R.	BRIDGE NO.
TRACE - L. L. R.	SURVEY -
CHECK -	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
INTERSTATE 95 OVER MAINE CENTRAL RAILROAD & ROUTE 152 IN THE TOWN OF PITTSFIELD SOMERSET COUNTY	
CROSS SECTIONS - 3	
SHEET 12 OF 41	AUGUSTA, MAINE JAN. 63







B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-7(46)	14	41



DESIGN - C.D.H. B.P.W. DET. - L.L.R. BRIDGE NO. \_\_\_\_\_  
PRICE - L.L.R. SURVEY PLOT - \_\_\_\_\_  
CHECK - *D. M. Kelly*

STATE HIGHWAY COMMISSION  
BRIDGE DIVISION

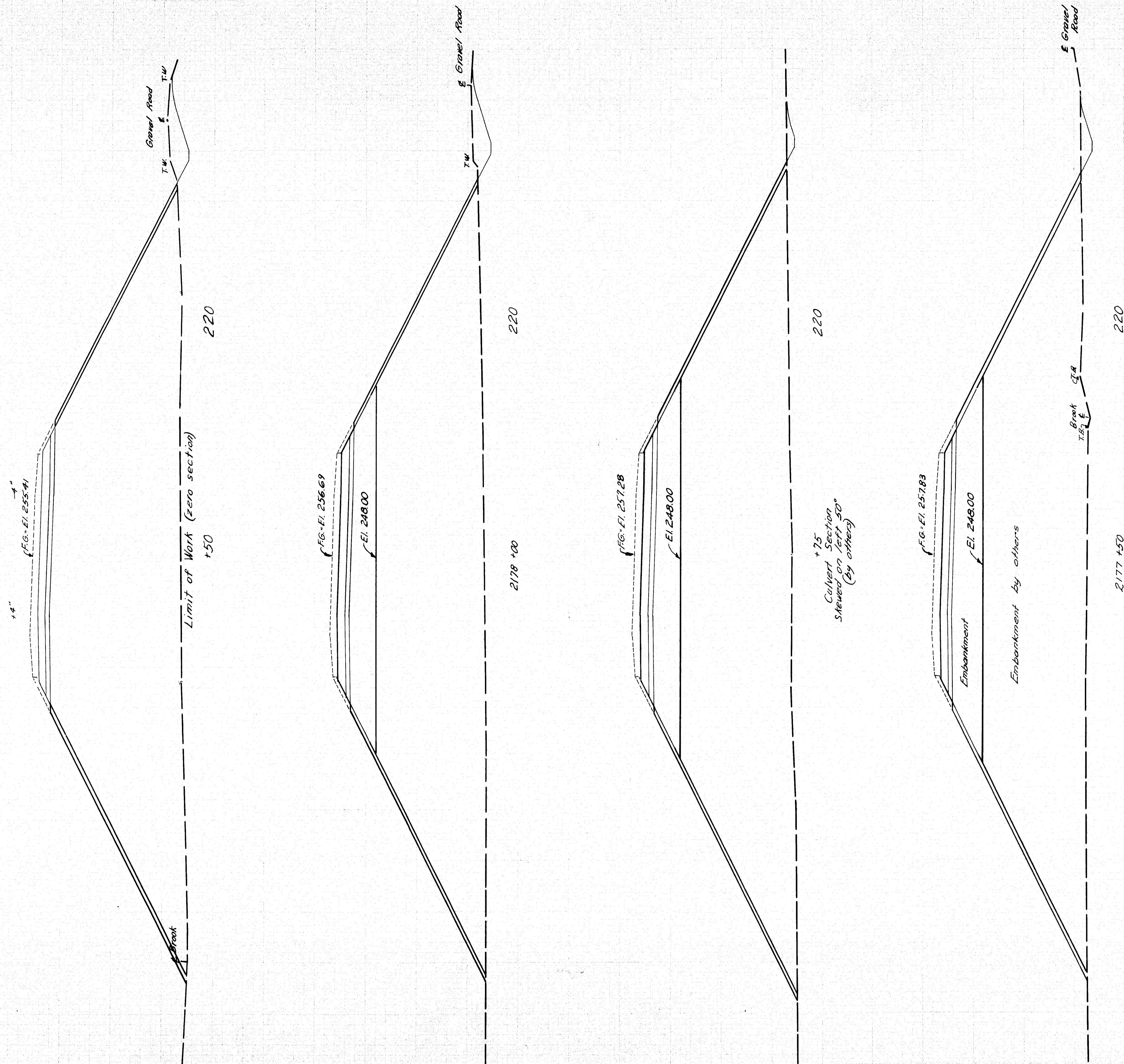
INTERSTATE 95  
OVER  
MAINE CENTRAL RAILROAD  
& ROUTE 152  
IN THE TOWN OF  
PITTSFIELD  
SOMERSET COUNTY

CROSS SECTIONS - 5

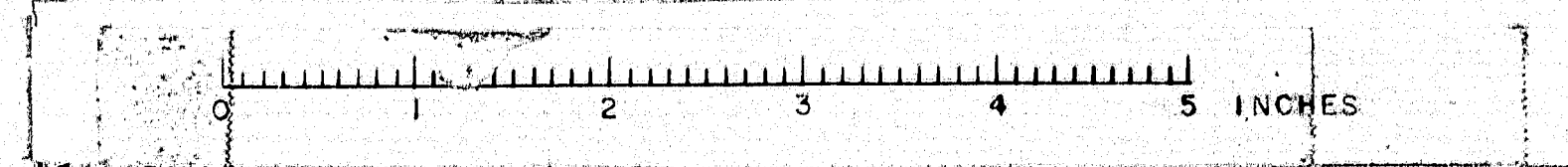
SHEET 14 OF 41 AUGUSTA, MAINE JAN. 63



D. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-7(46)	15	41



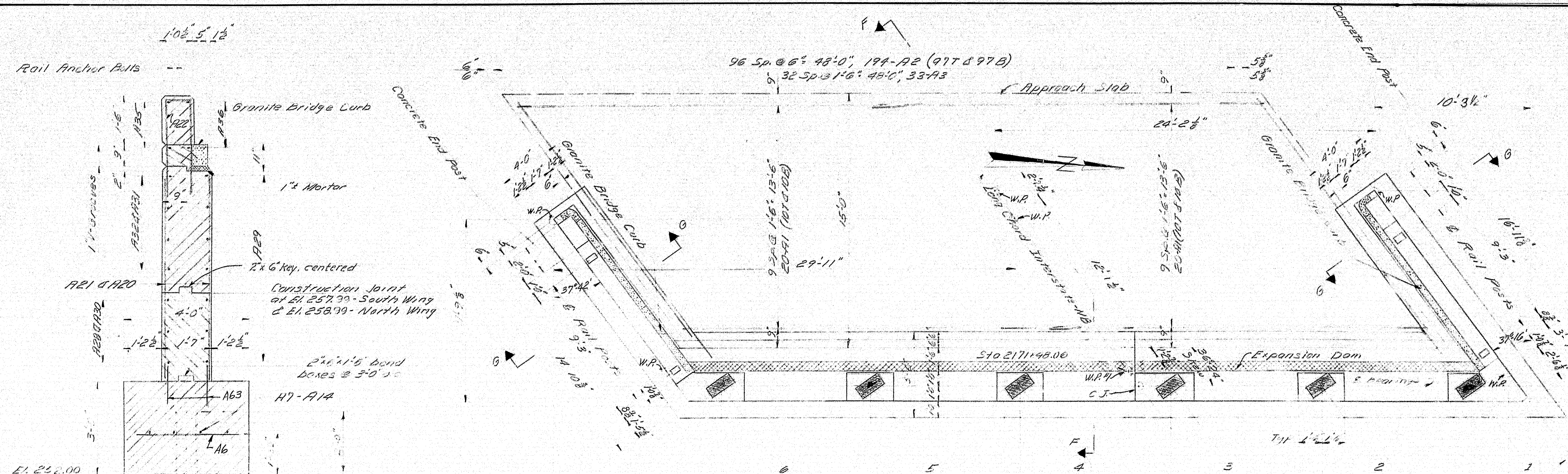
DESIGN - C.D.H. TRACE - L.L.R. CHECK - <i>W. S. S. S.</i>	DET. - L.L.R.	BRIDGE NO. SURVEY - PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION		
INTERSTATE 95 OVER MAINE CENTRAL RAILROAD & ROUTE 152 IN THE TOWN OF PITTSFIELD SOMERSET COUNTY		
CROSS SECTIONS - 6 SHEET 15 OF 41 AUGUSTA, MAINE JAN. 63		



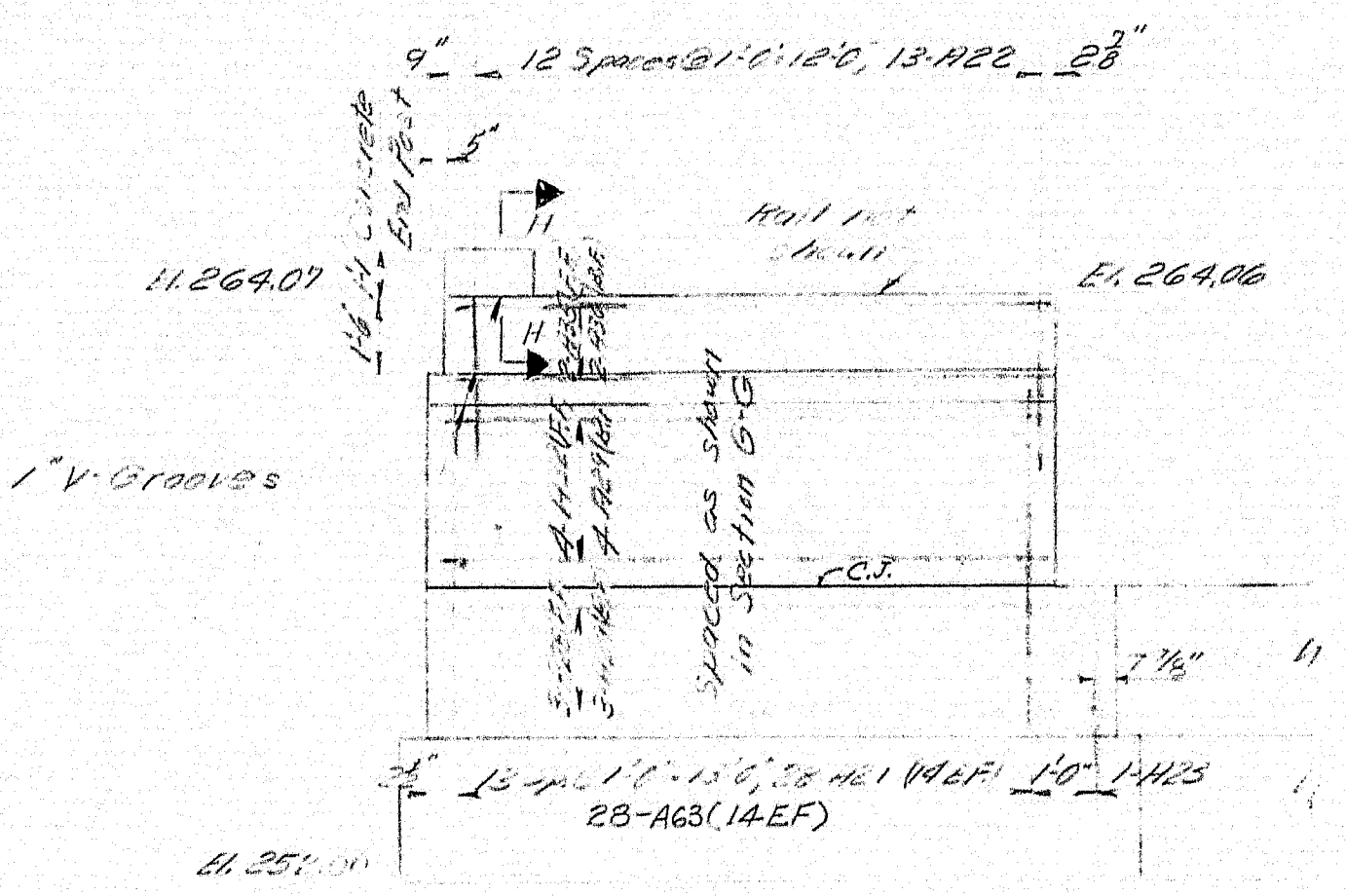
South bound



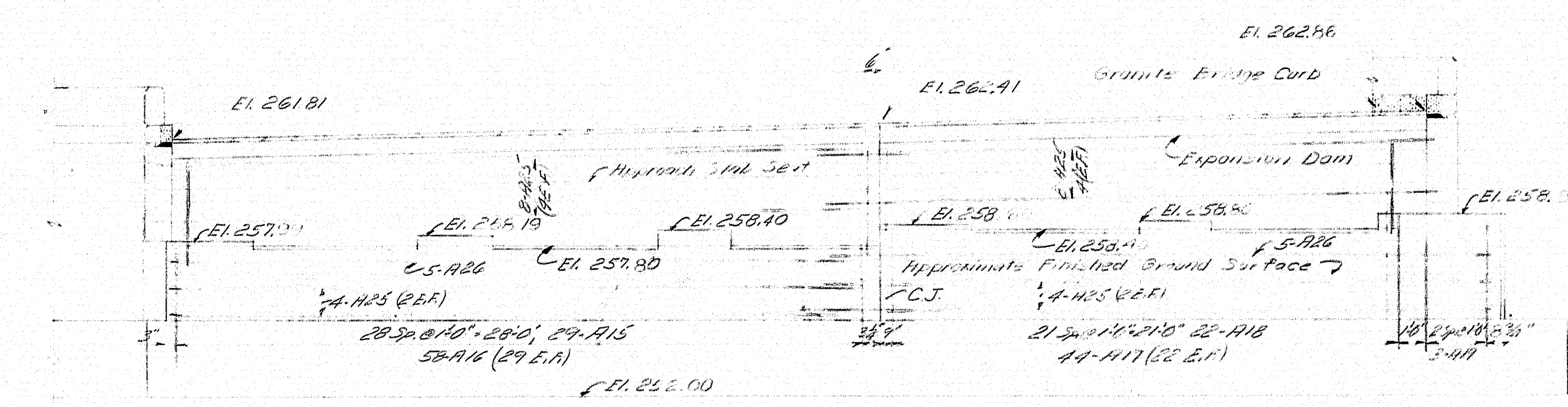
B.P.R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-7(46)	16	41



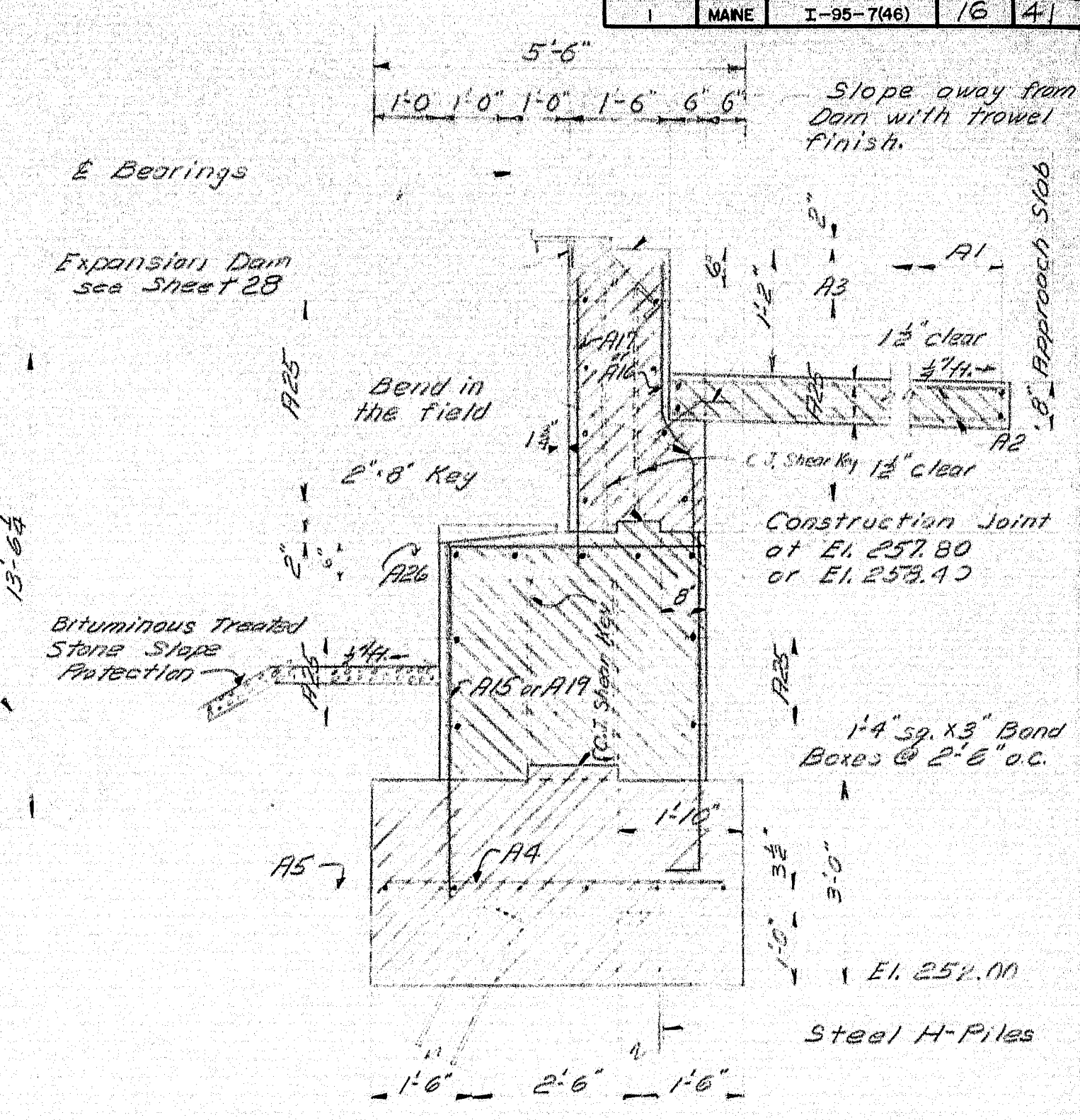
SECTION G-G



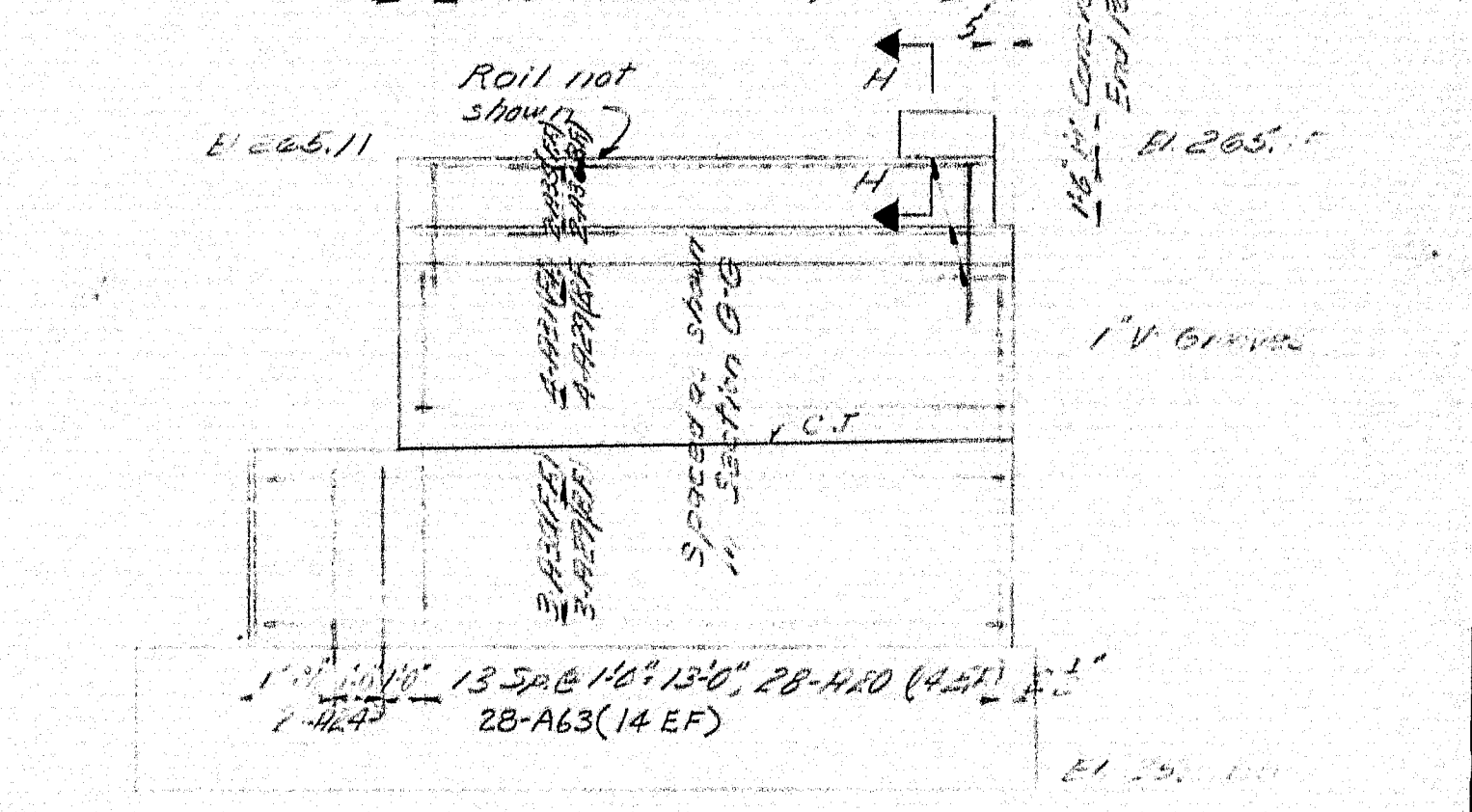
SOUTH ELEVATION



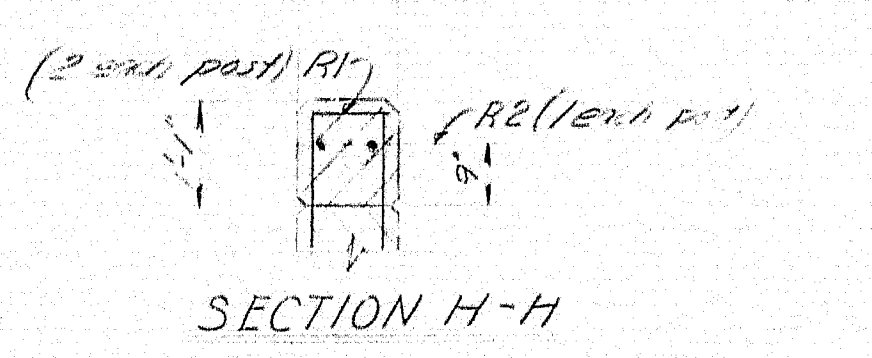
FRONT ELEVATION



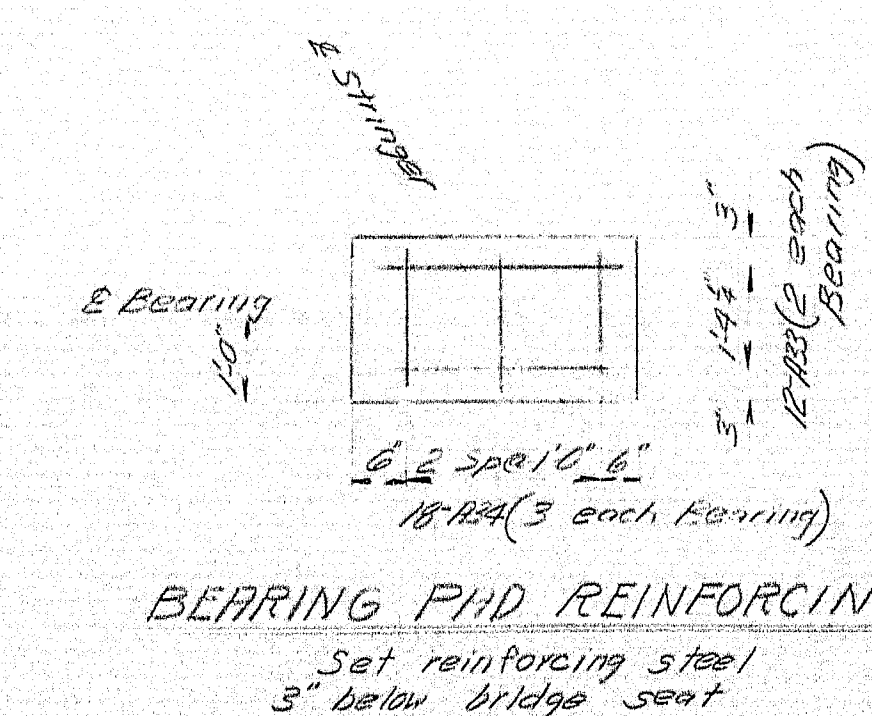
SECTION F-F



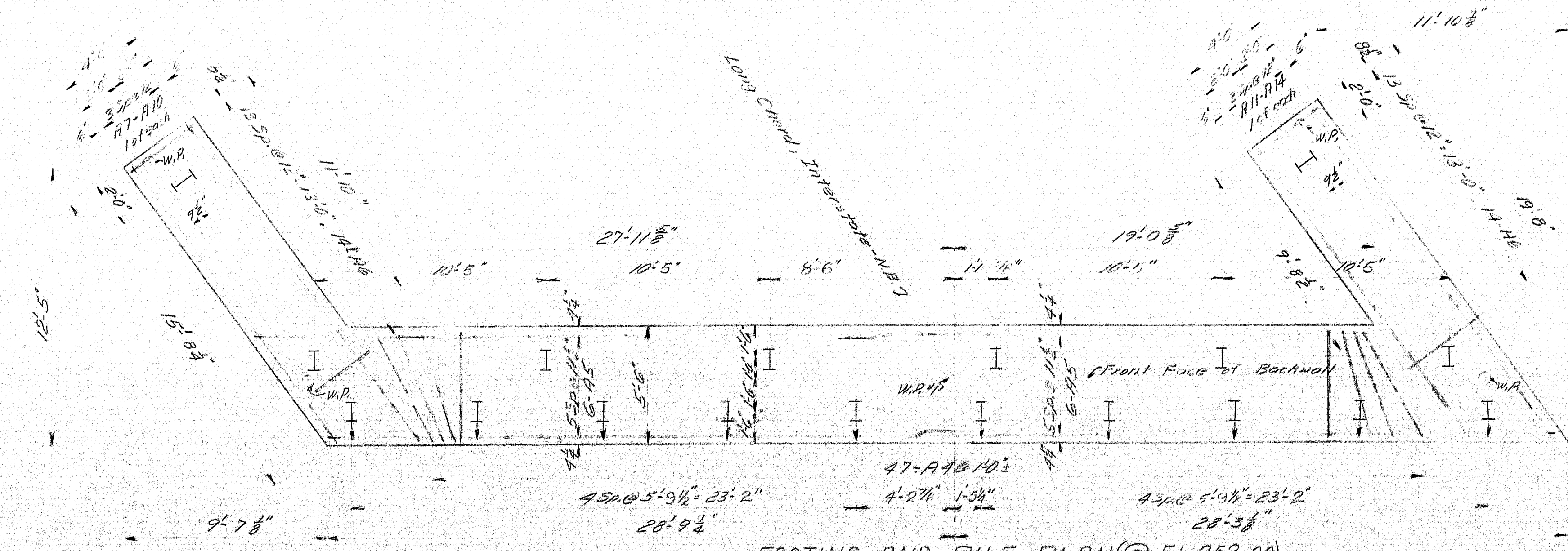
NORTH ELEVATION



SECTION H-H



BEARING AND REINFORCING



FOOTING AND PILE PLAN (@ El. 252.00)

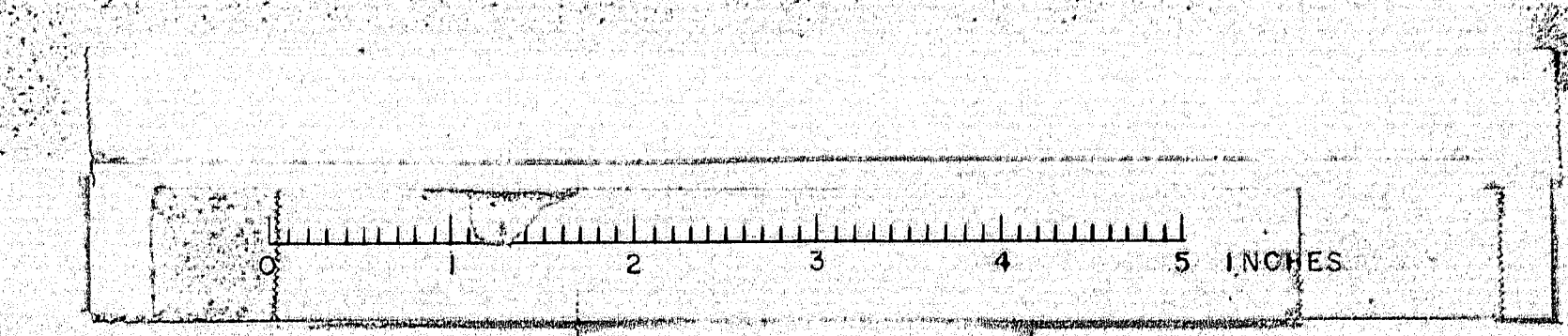
VERTICAL CONSTRUCTION JOINT - KEY DETAIL

NOTES  
For General Notes & Pile Notes  
See Sheet 17.

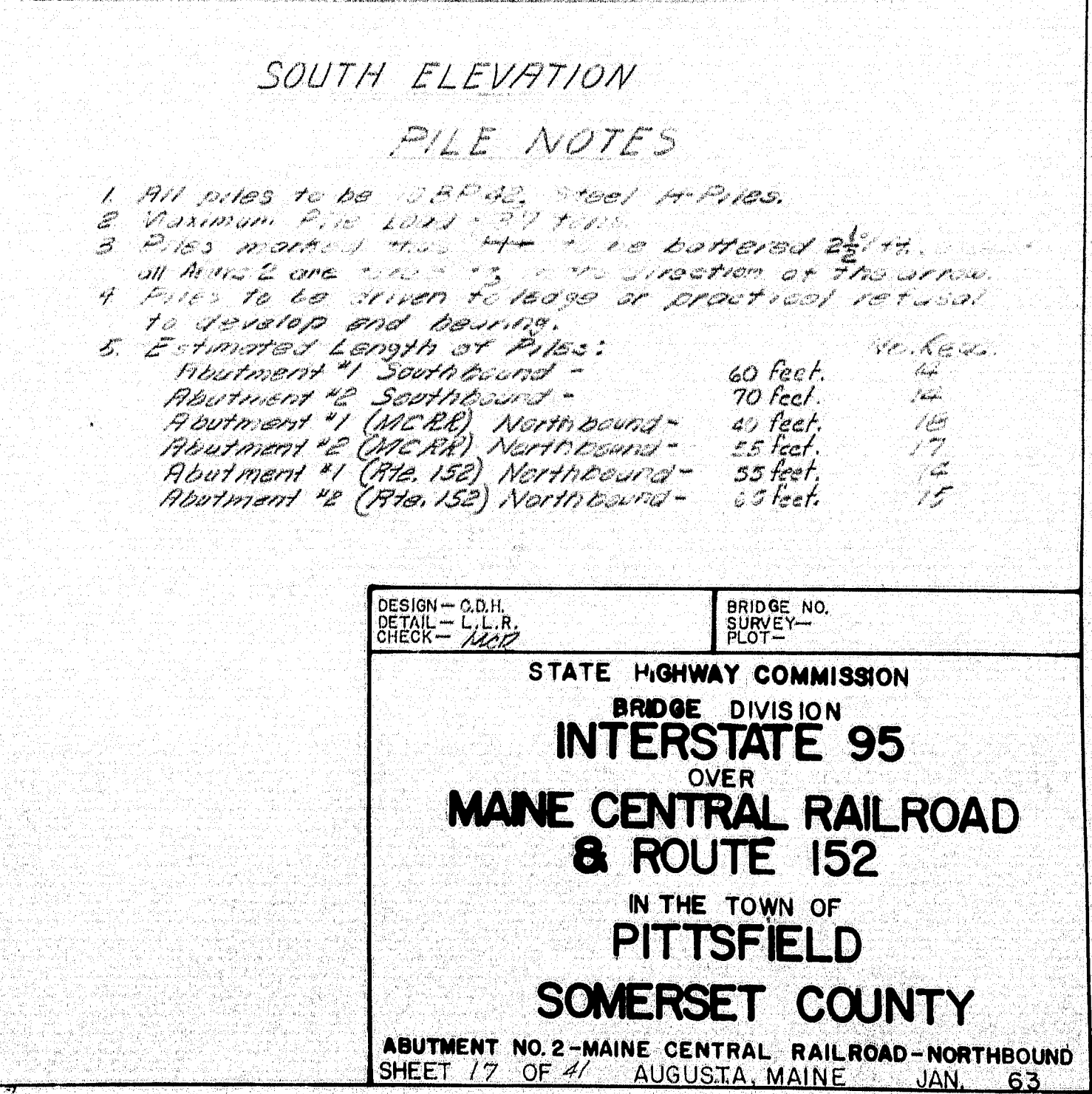
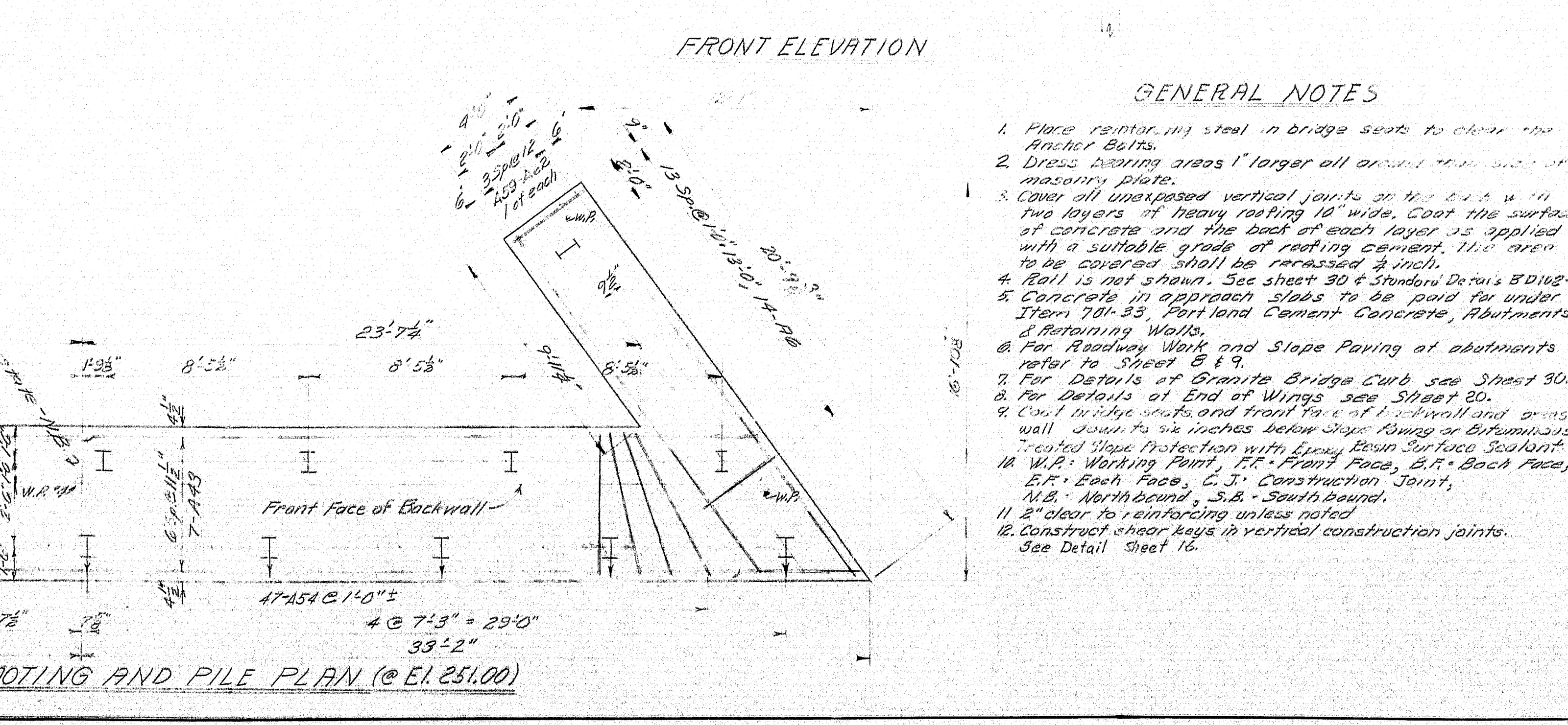
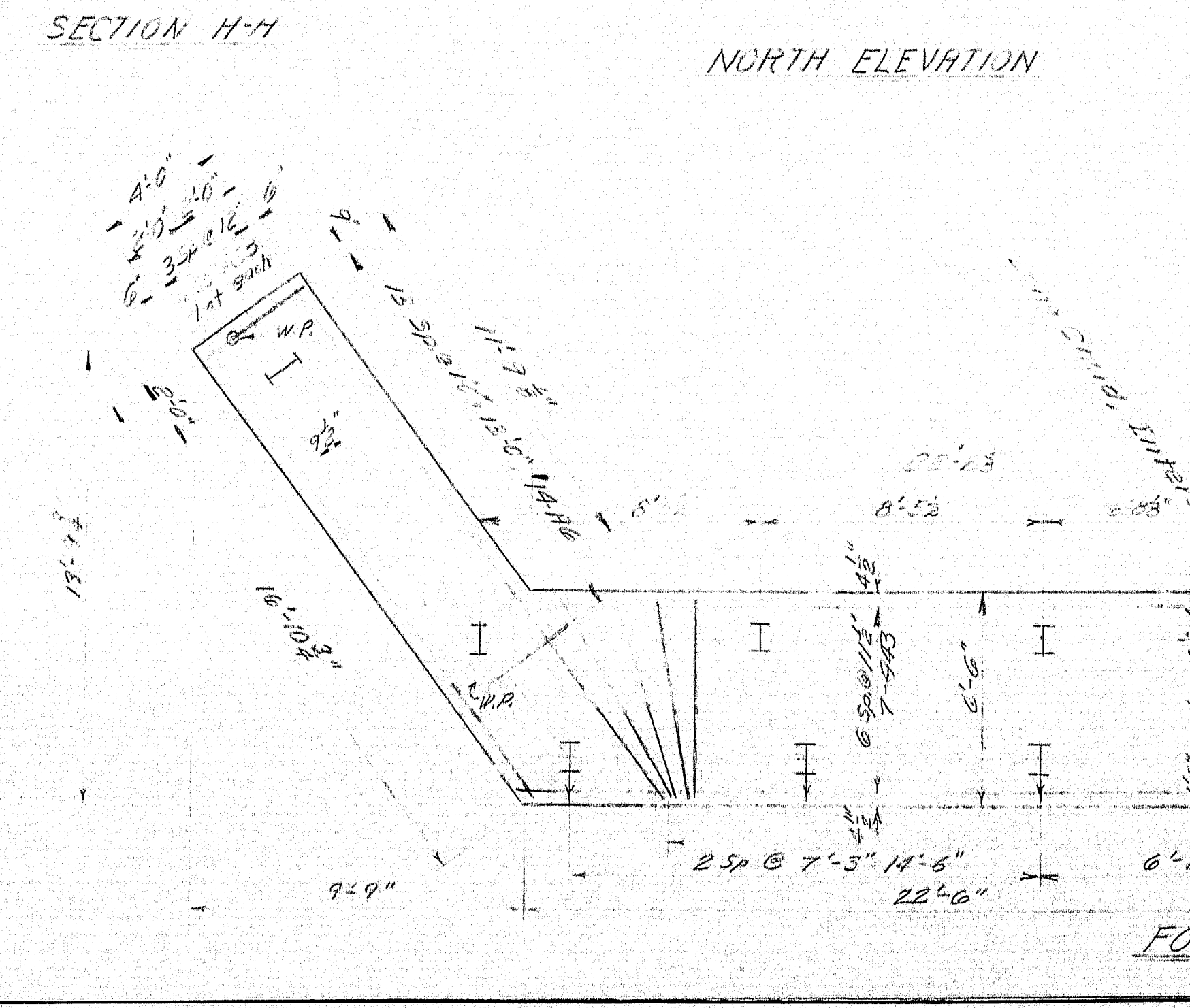
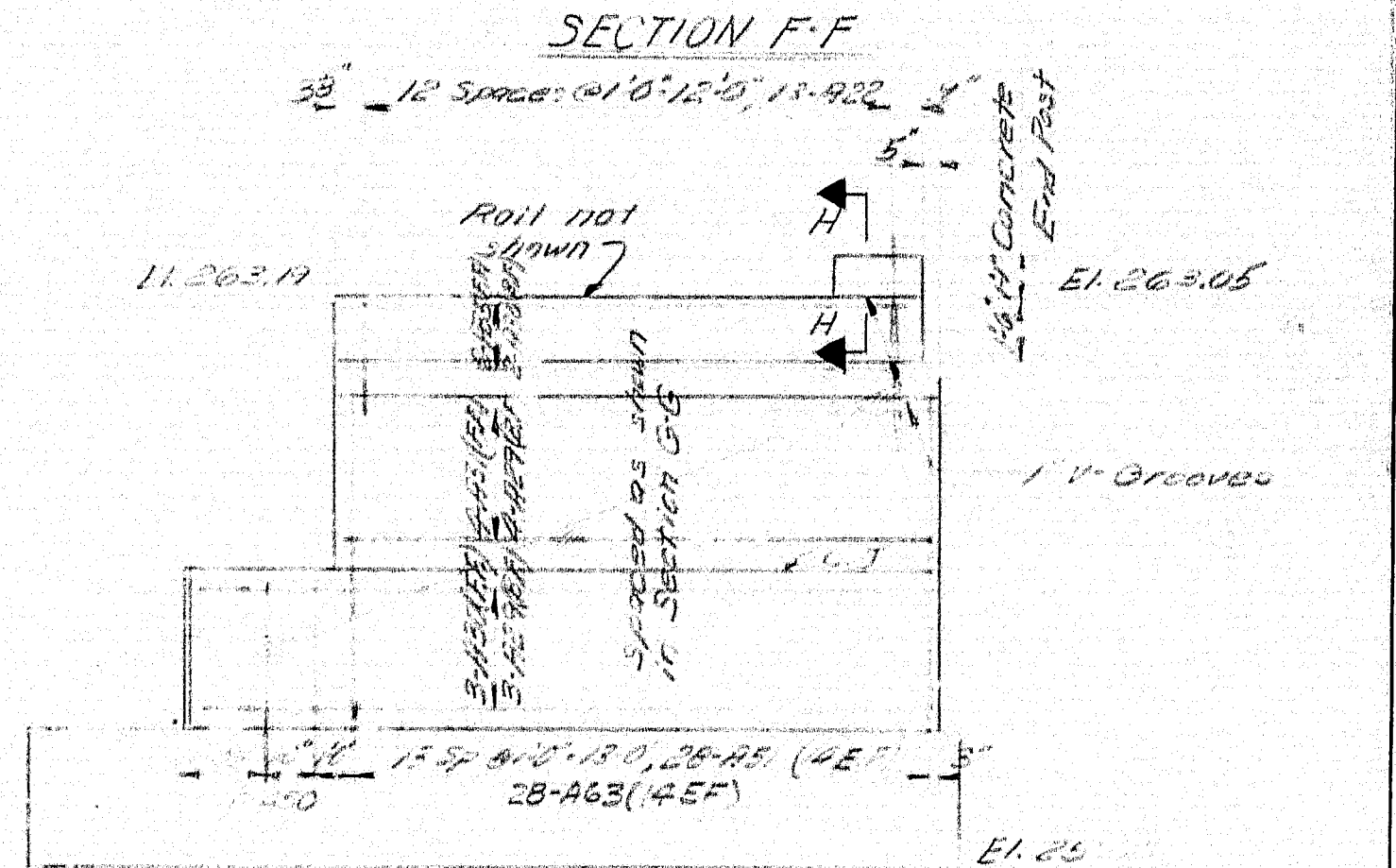
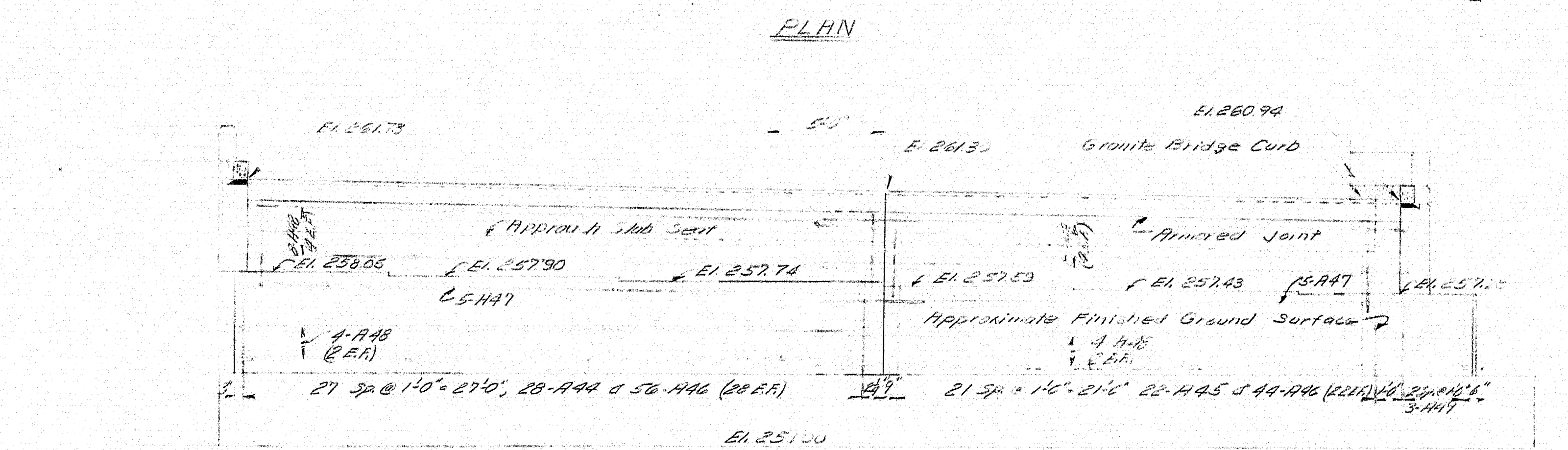
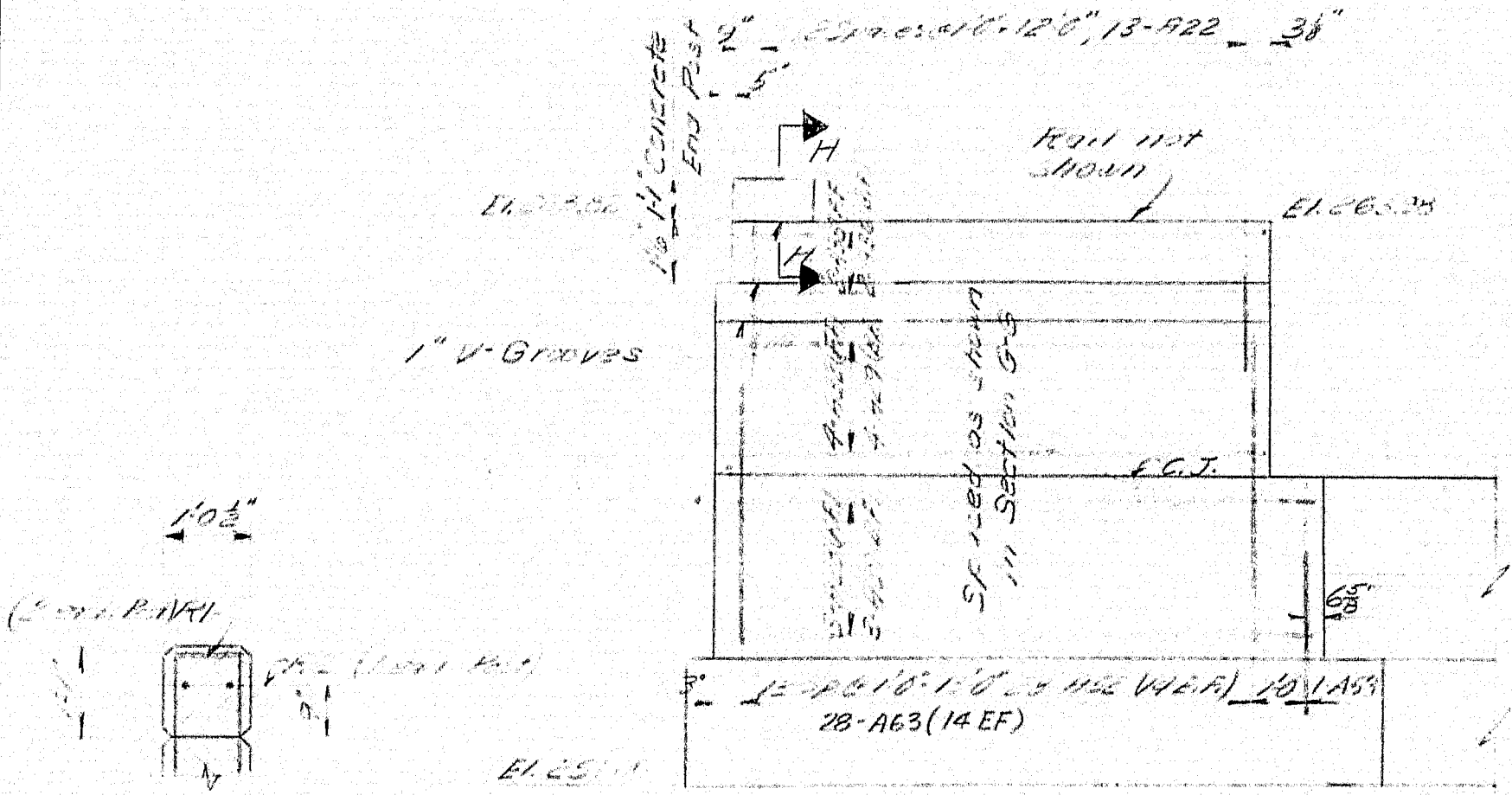
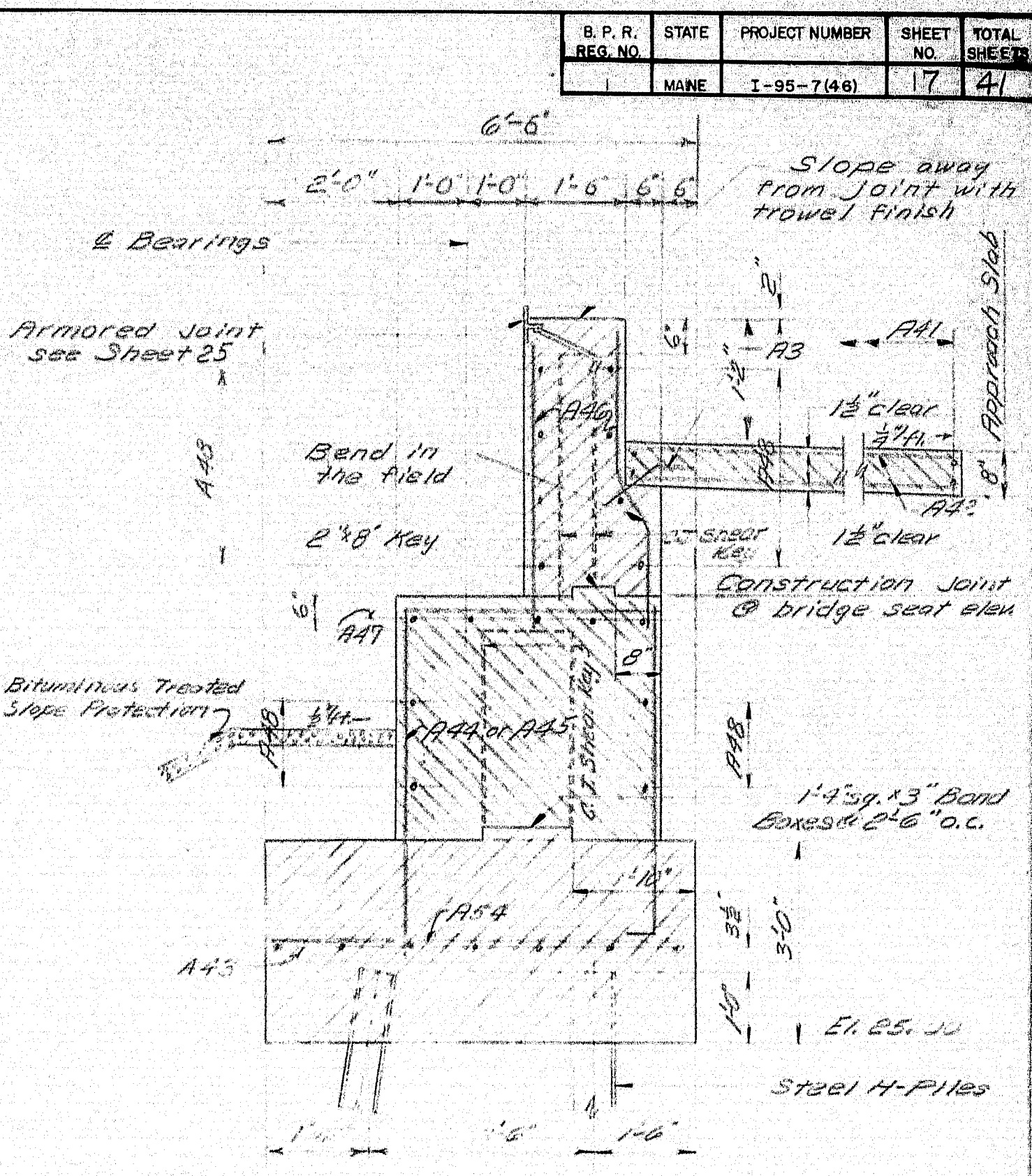
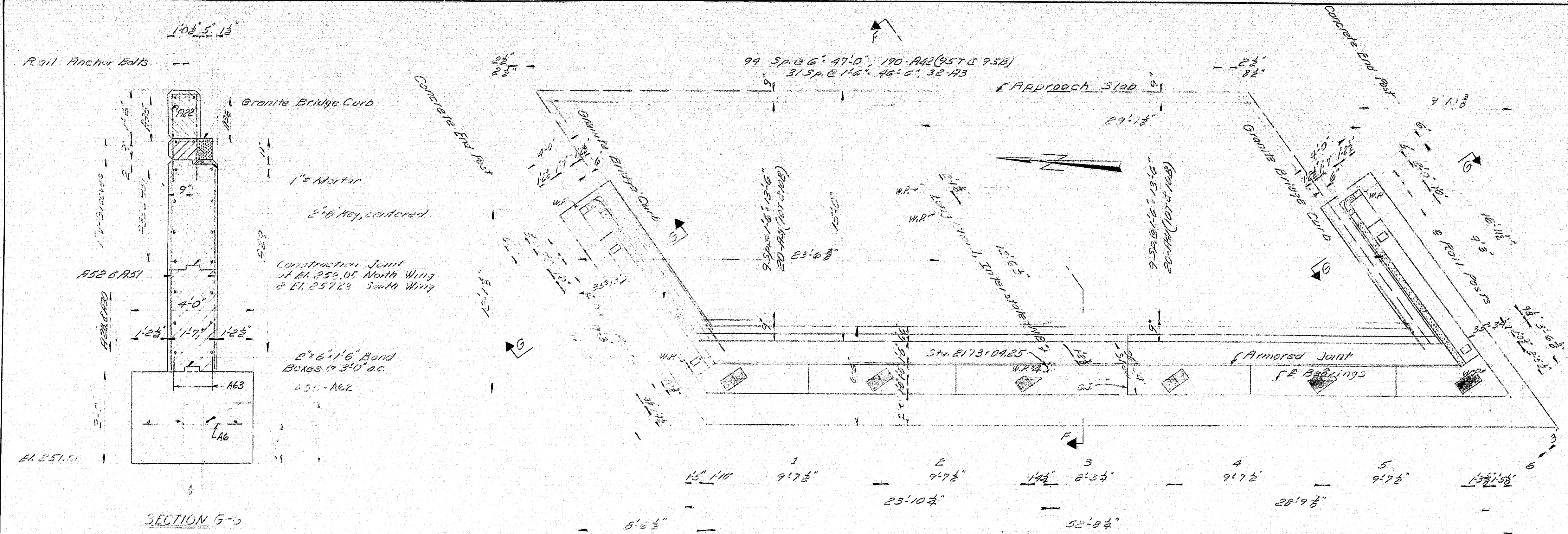
DESIGN - C.D.H.  
DETAIL - J.L.B.  
CHECK - W.B.

BRIDGE NO.  
SURVEY -  
PLAN -

STATE HIGHWAY COMMISSION  
BRIDGE DIVISION  
**INTERSTATE 95**  
OVER  
**MAINE CENTRAL RAILROAD**  
& ROUTE 152  
IN THE TOWN OF  
**PITTSFIELD**  
**SOMERSET COUNTY**  
ABUTMENT NO. 1 - MAINE CENTRAL RAILROAD - NORTHBOUND  
SHEET 16 OF 41 AUGUSTA, MAINE JAN. 63



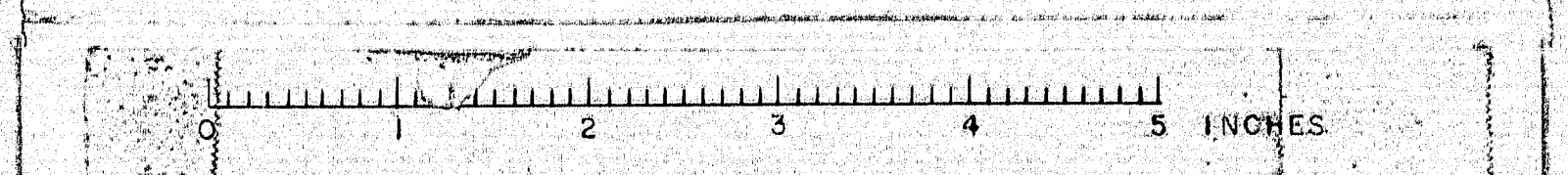




DESIGN - C.D.H.  
DETAIL - L.L.R.  
CHECK - H.W.D.

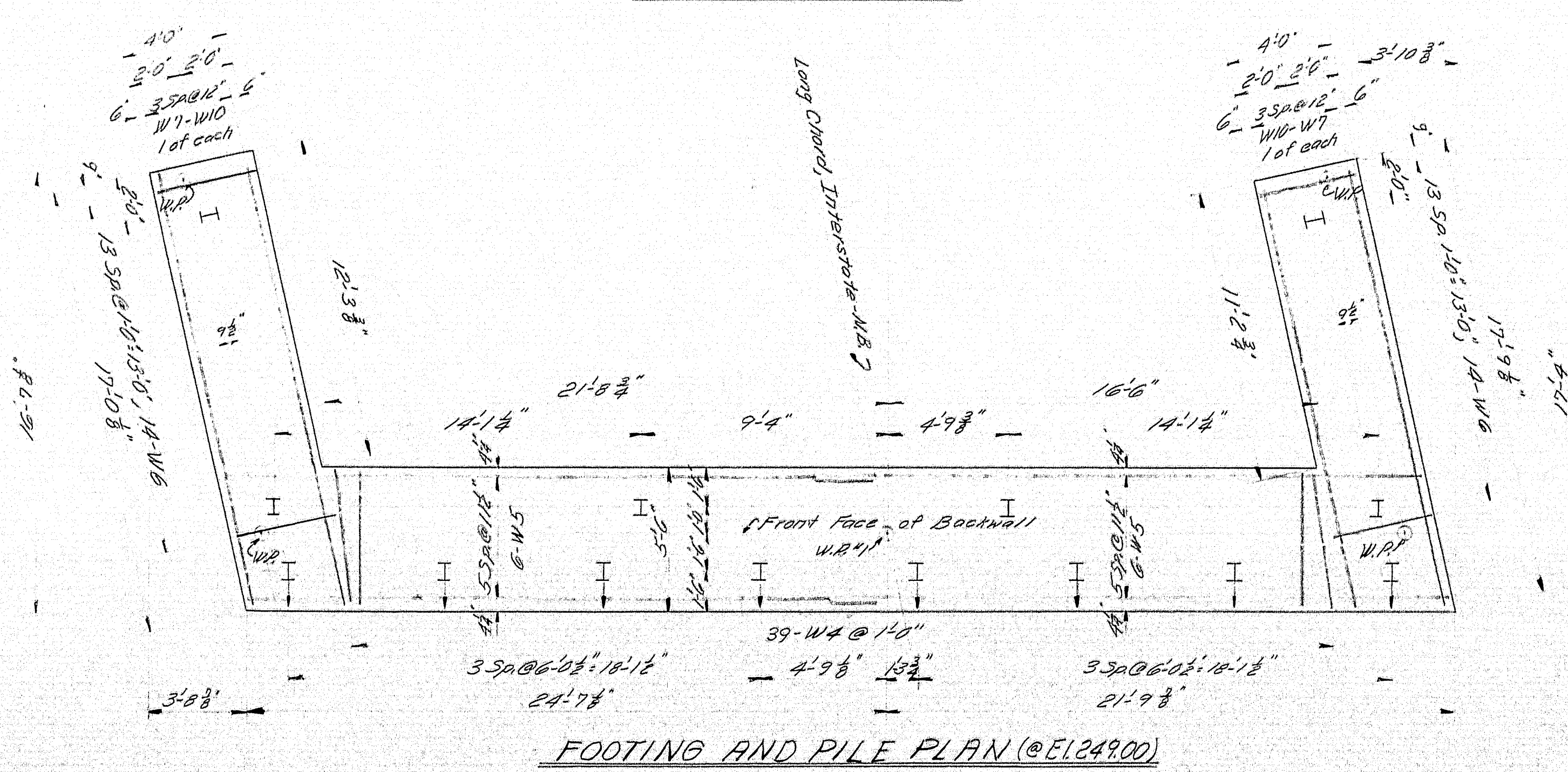
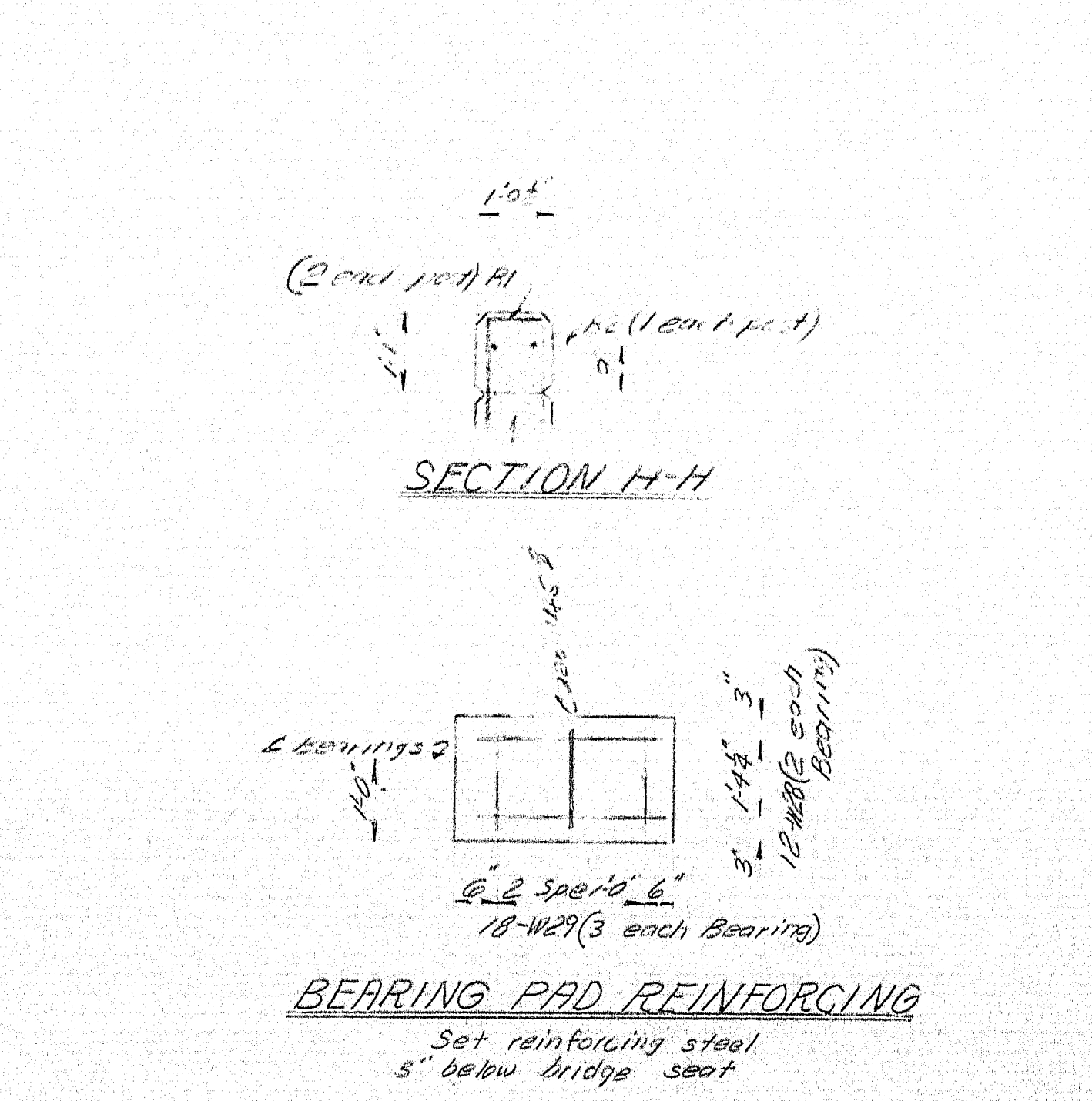
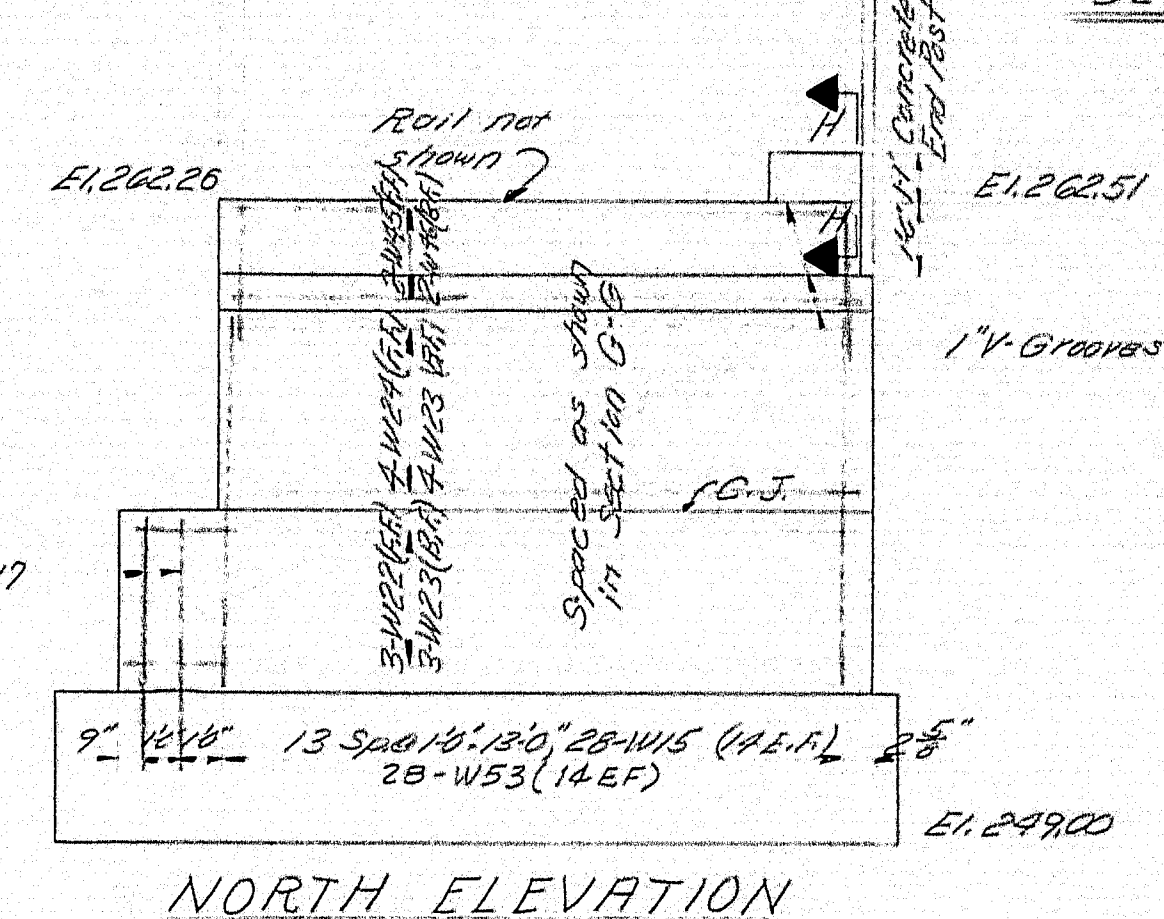
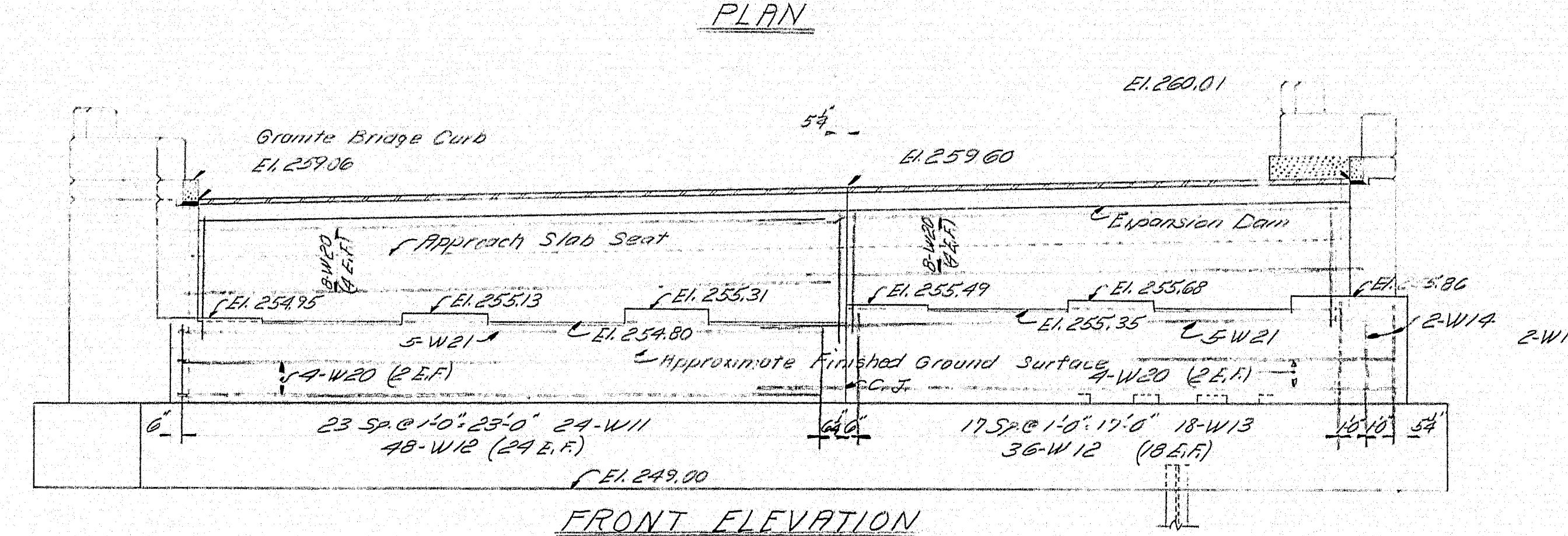
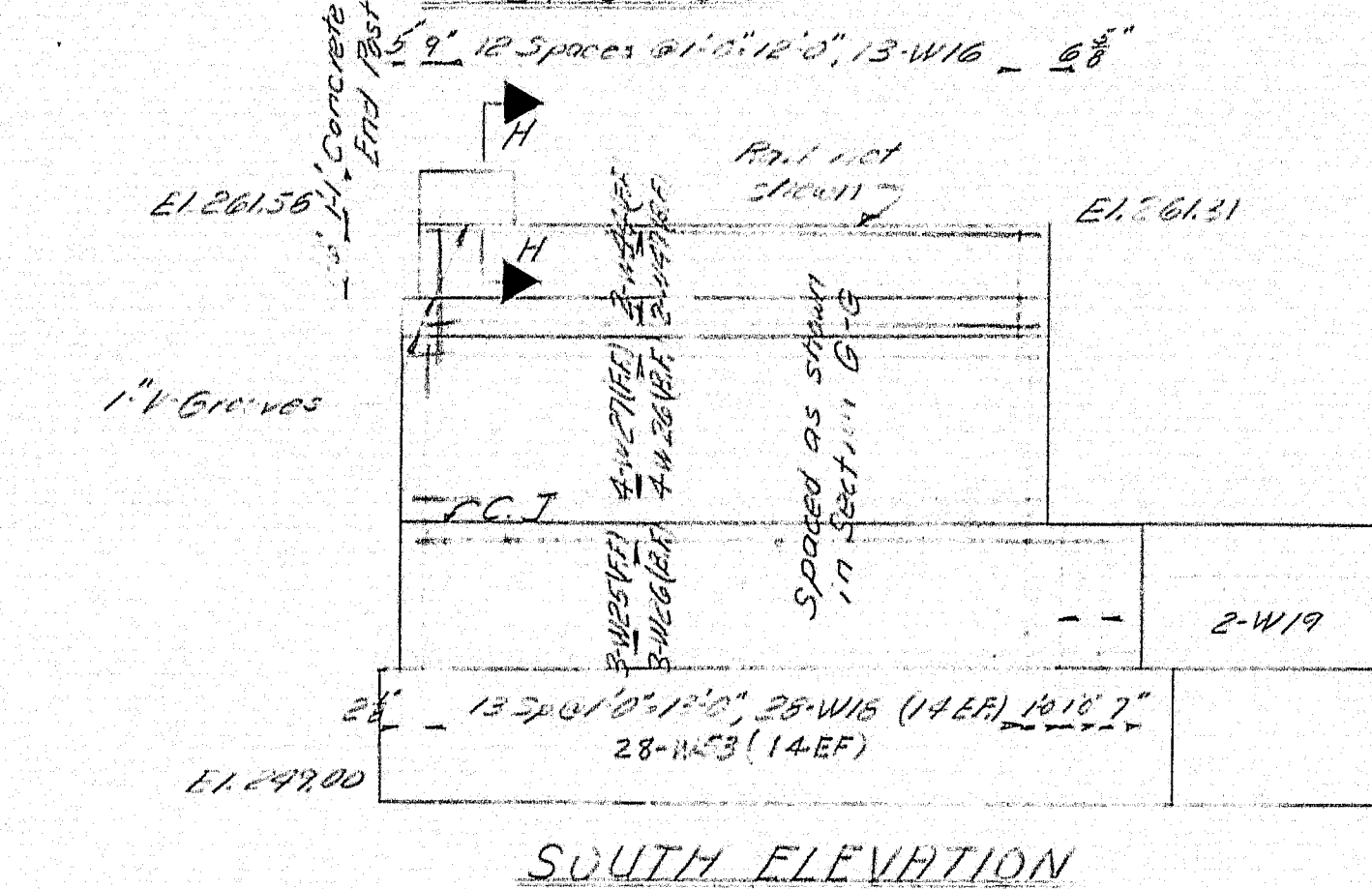
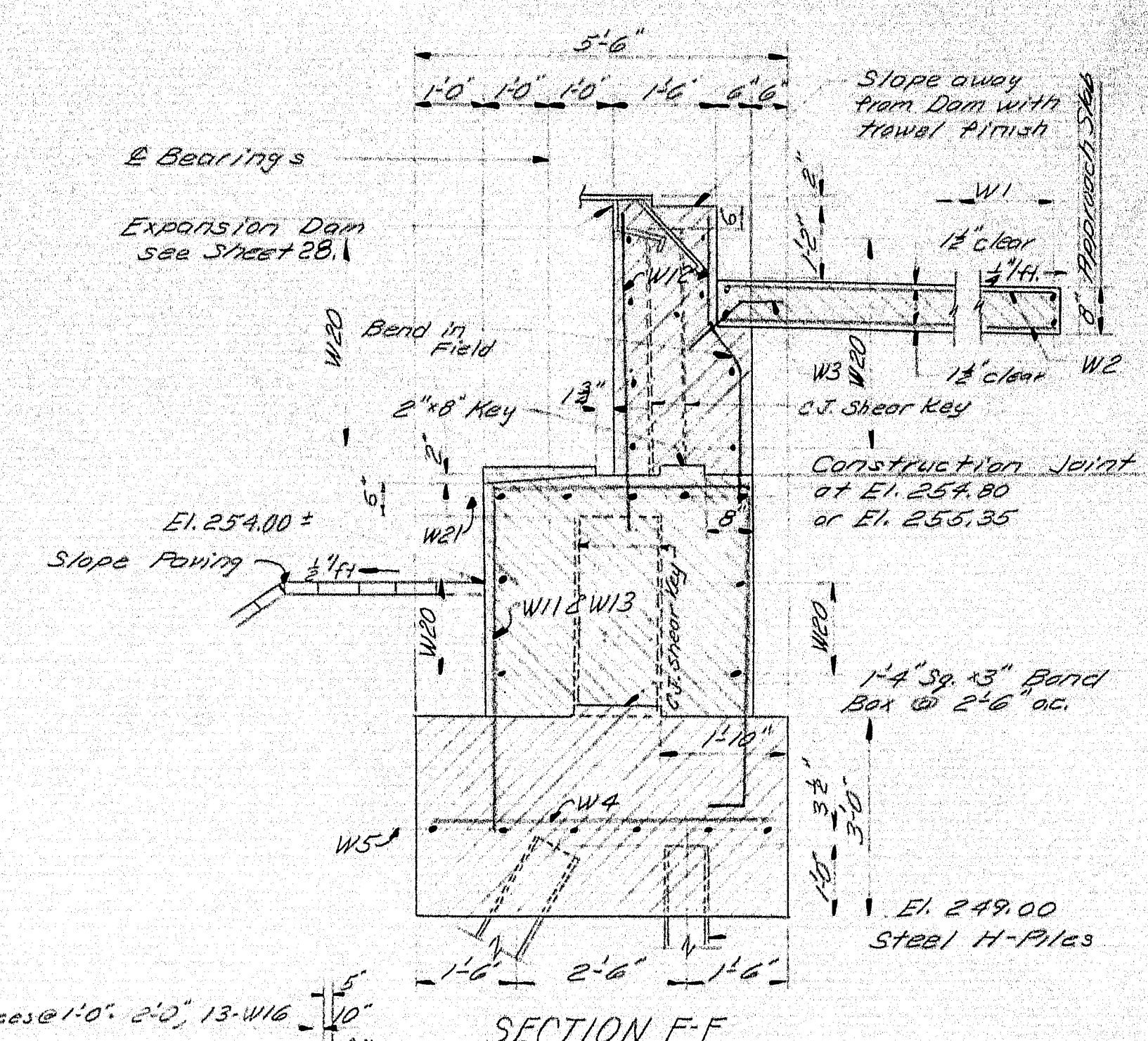
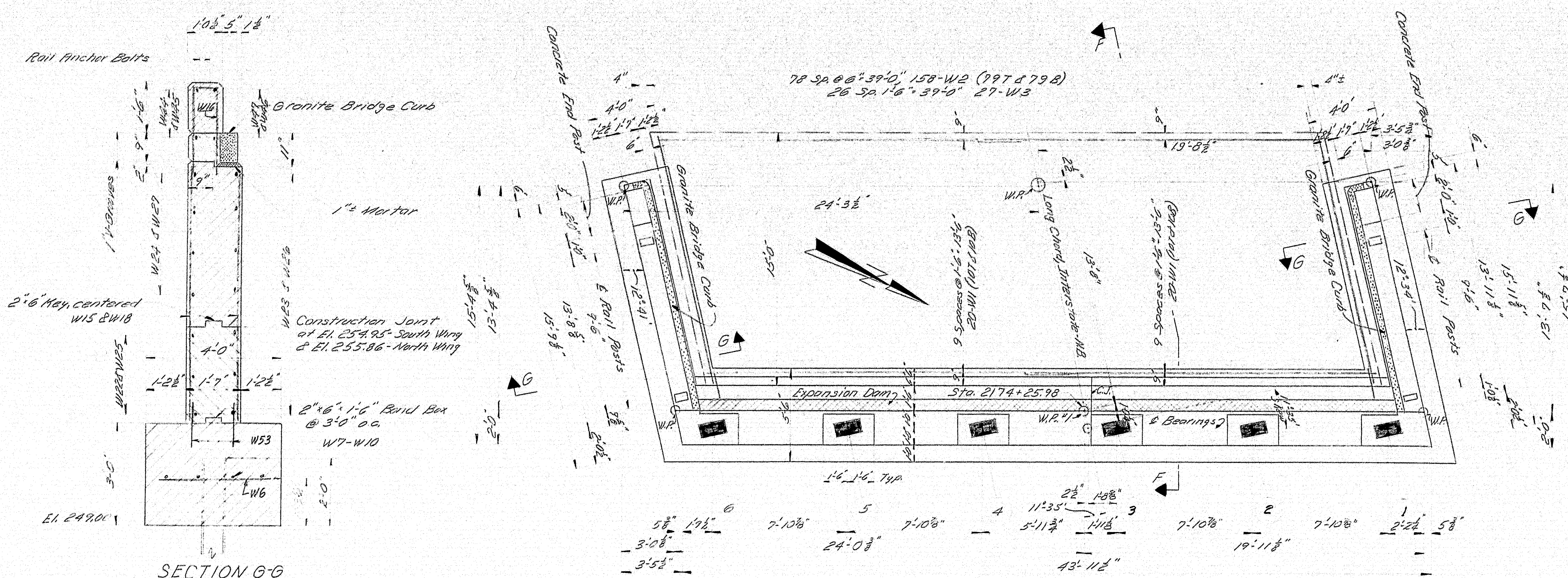
BRIDGE NO.  
SURVEY  
PLOT - 1102

STATE HIGHWAY COMMISSION  
BRIDGE DIVISION  
**INTERSTATE 95**  
OVER  
**MAINE CENTRAL RAILROAD & ROUTE 152**  
IN THE TOWN OF  
**PITTSFIELD**  
**SOMERSET COUNTY**  
ABUTMENT NO. 2 - MAINE CENTRAL RAILROAD - NORTHBOUND  
SHEET 17 OF 41 AUGUSTA, MAINE JAN 63





B.P.R.	STATE	DATE	BY	CHECKED	TOTAL
1	MAINE	7-25-1966	18	4	

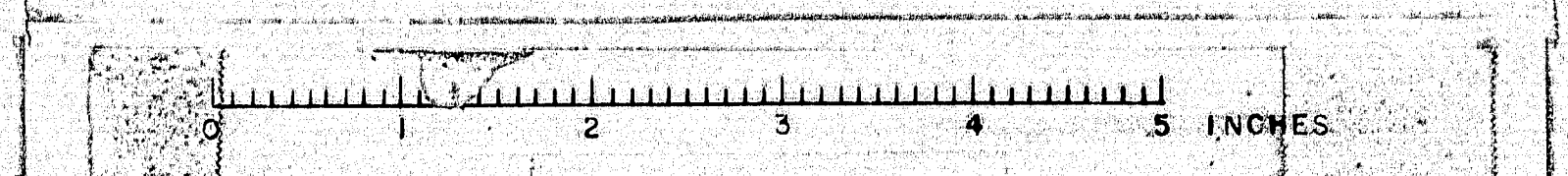


**BEARING PAD REINFORCING**  
Set reinforcing steel 5" below bridge seat

**NOTES**  
For General Notes & Pile Notes See Sheet 17.

DESIGN - C.D.H.  
DETAIL - L.L.R.  
CHECK - D.W.B.

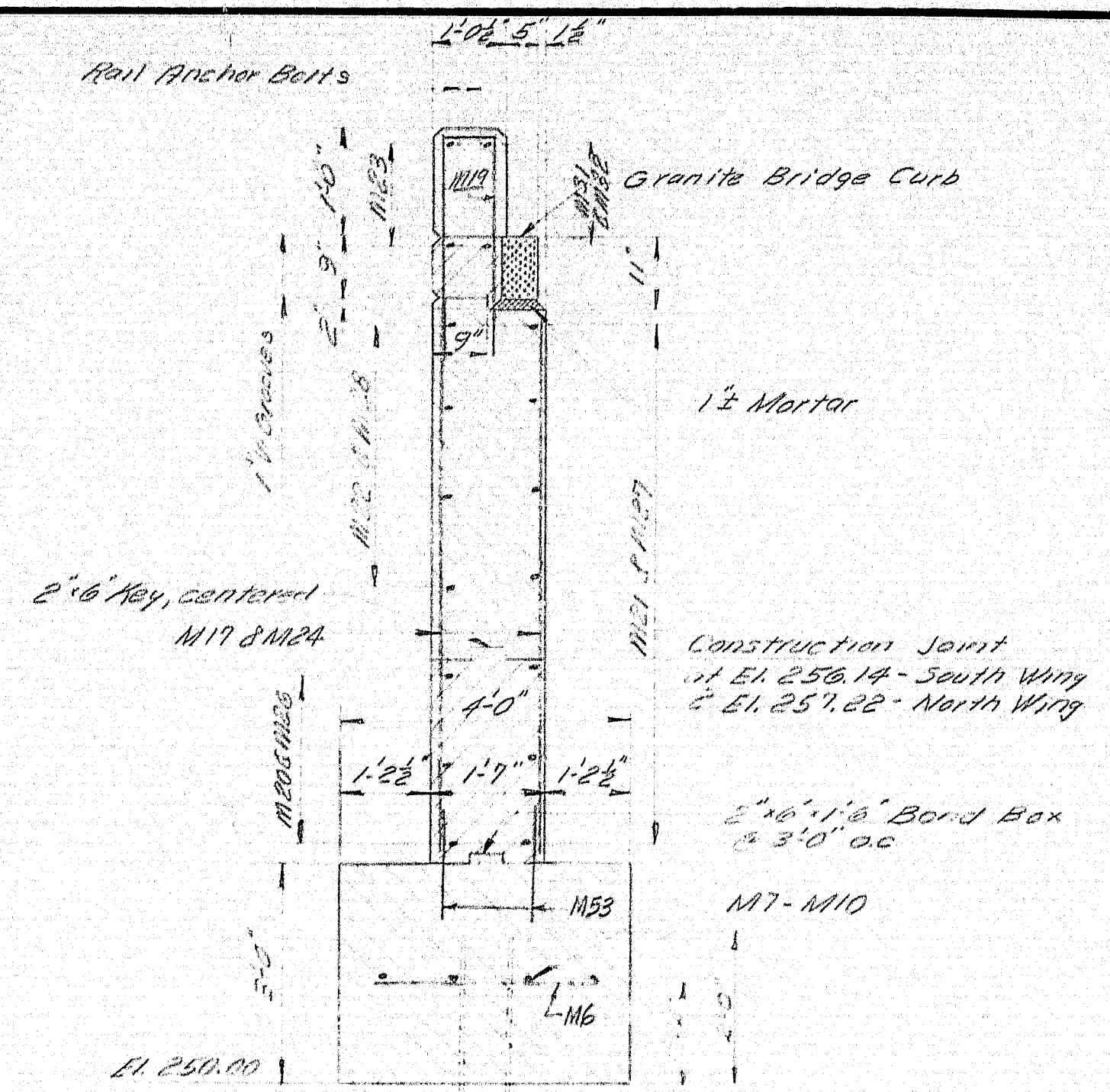
STATE HIGHWAY COMMISSION  
BRIDGE DIVISION  
**INTERSTATE 95**  
OVER  
**MAINE CENTRAL RAILROAD & ROUTE 152**  
IN THE TOWN OF  
**PITTSFIELD**  
**SOMERSET COUNTY**  
ABUTMENT NO. 1 - ROUTE 152 - NORTHBOUND  
SHEET 18 OF 41 AUGUSTA, MAINE JAN. 1963



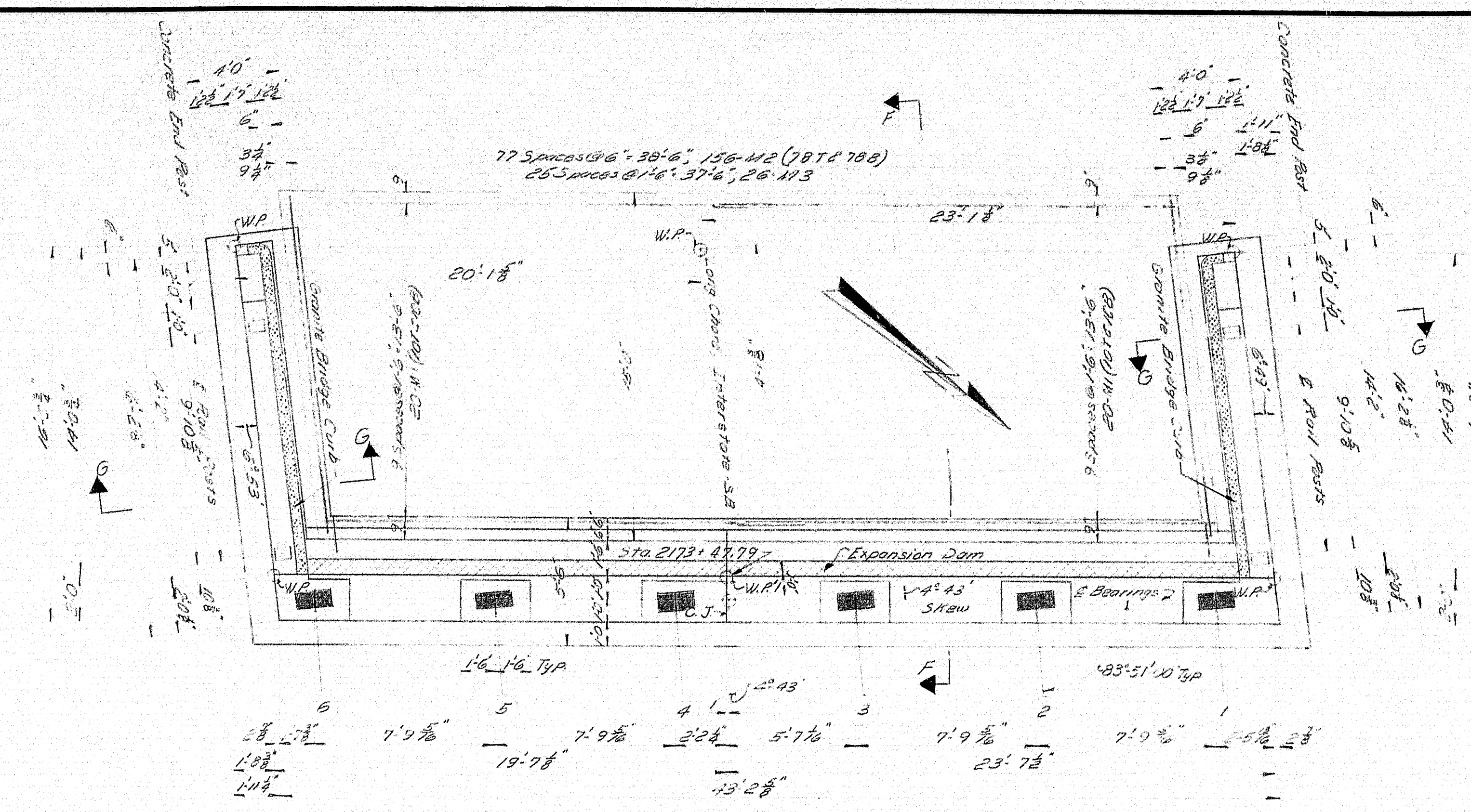




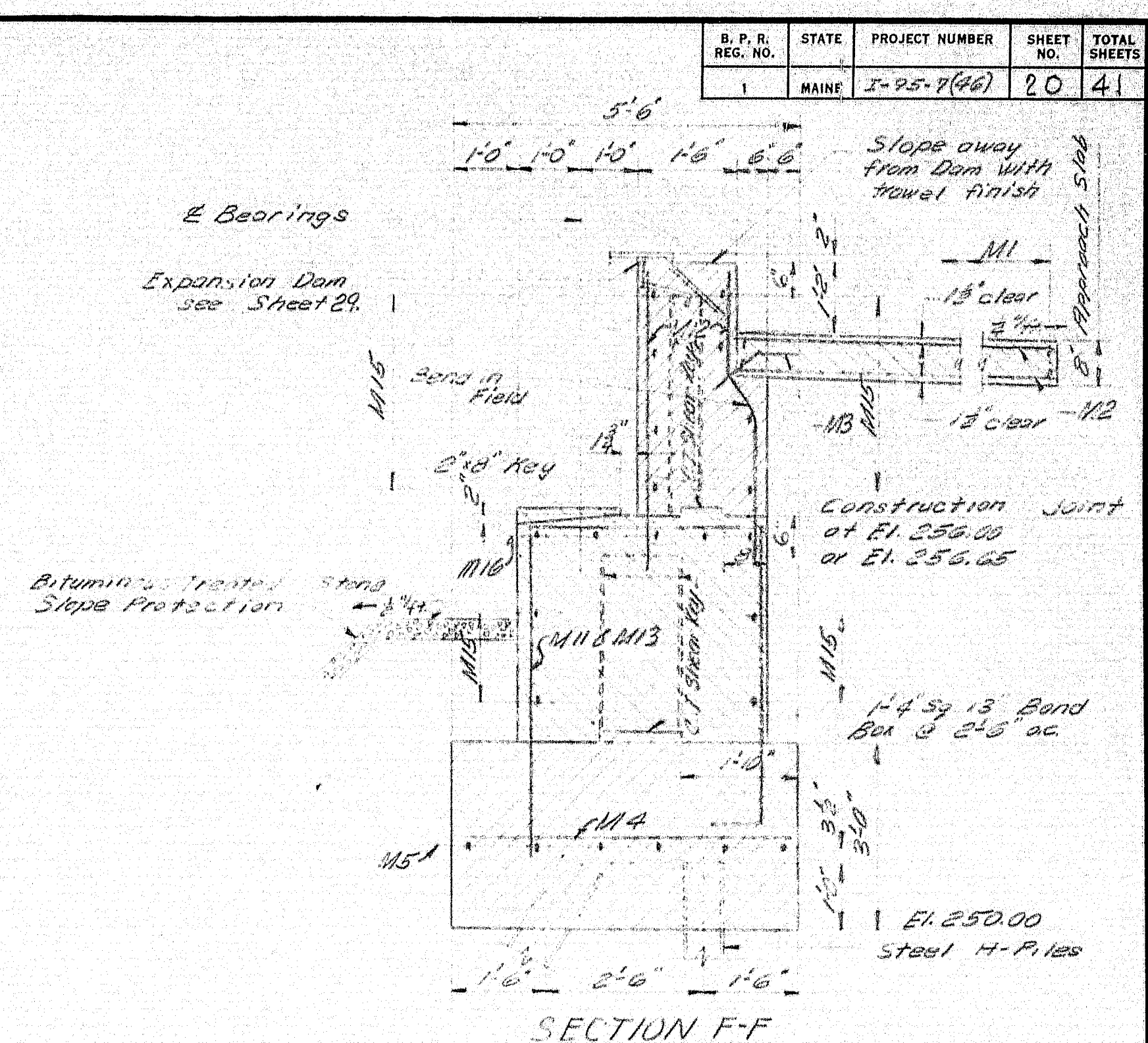




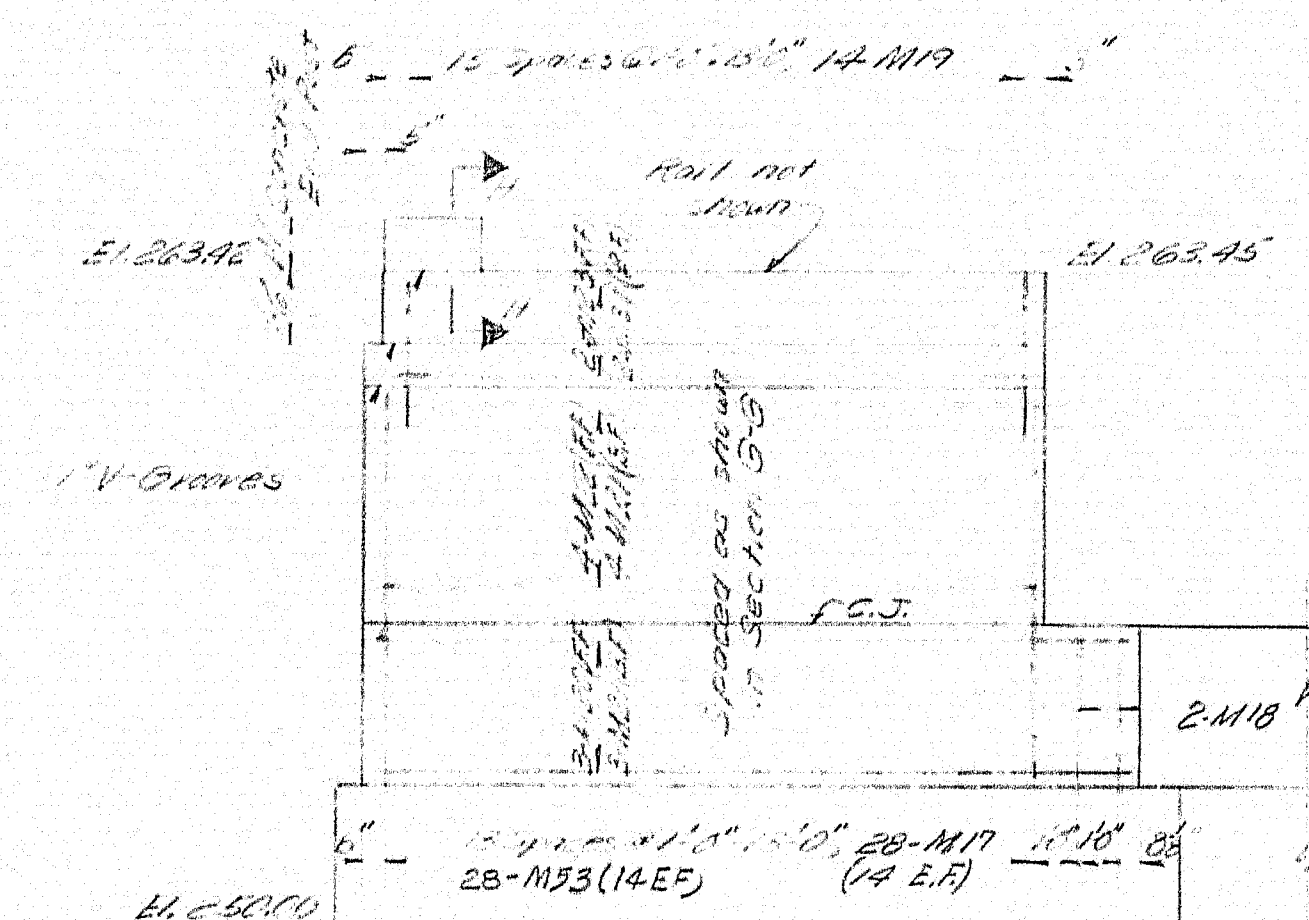
SECTION G-G



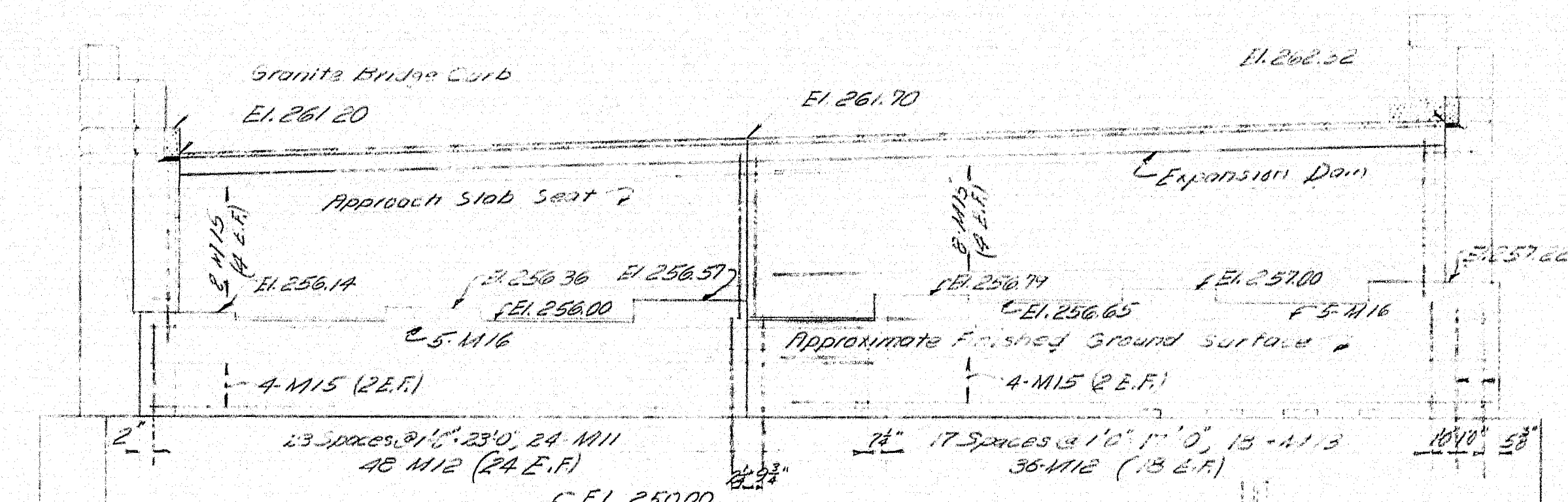
PLAN



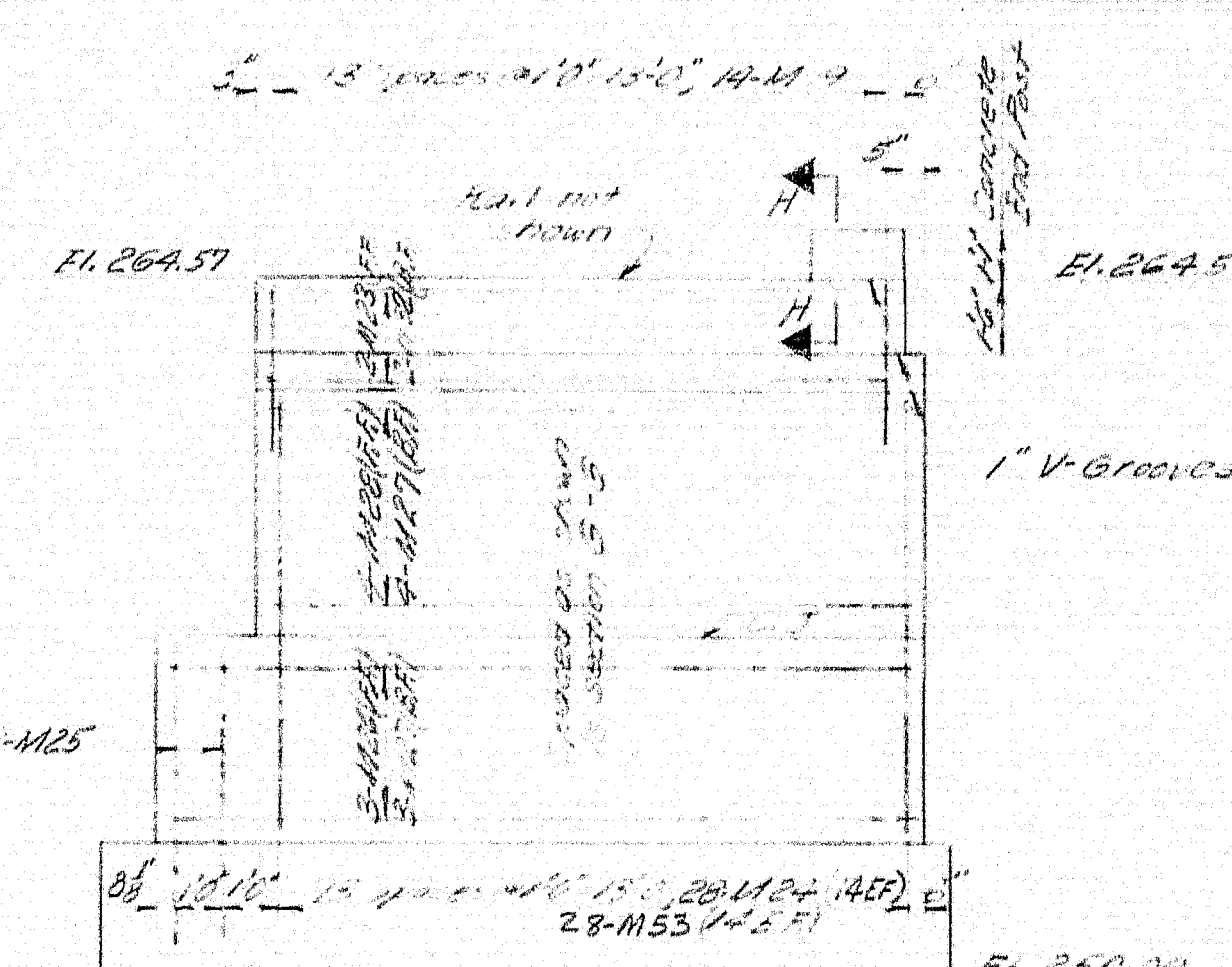
SECTION F-F



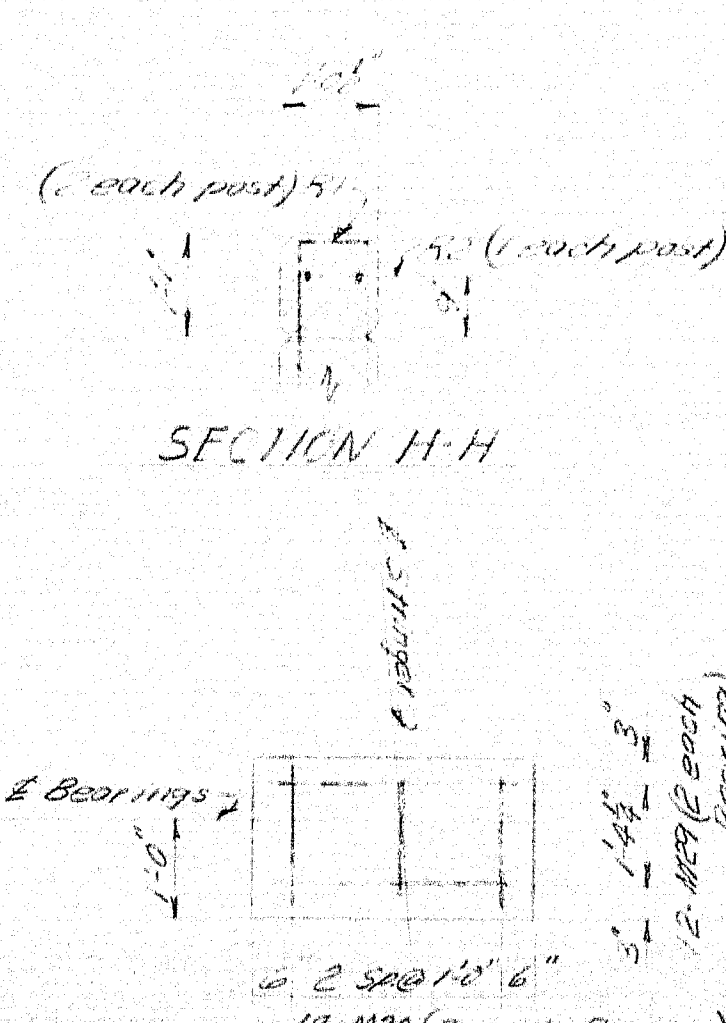
SOUTH ELEVATION



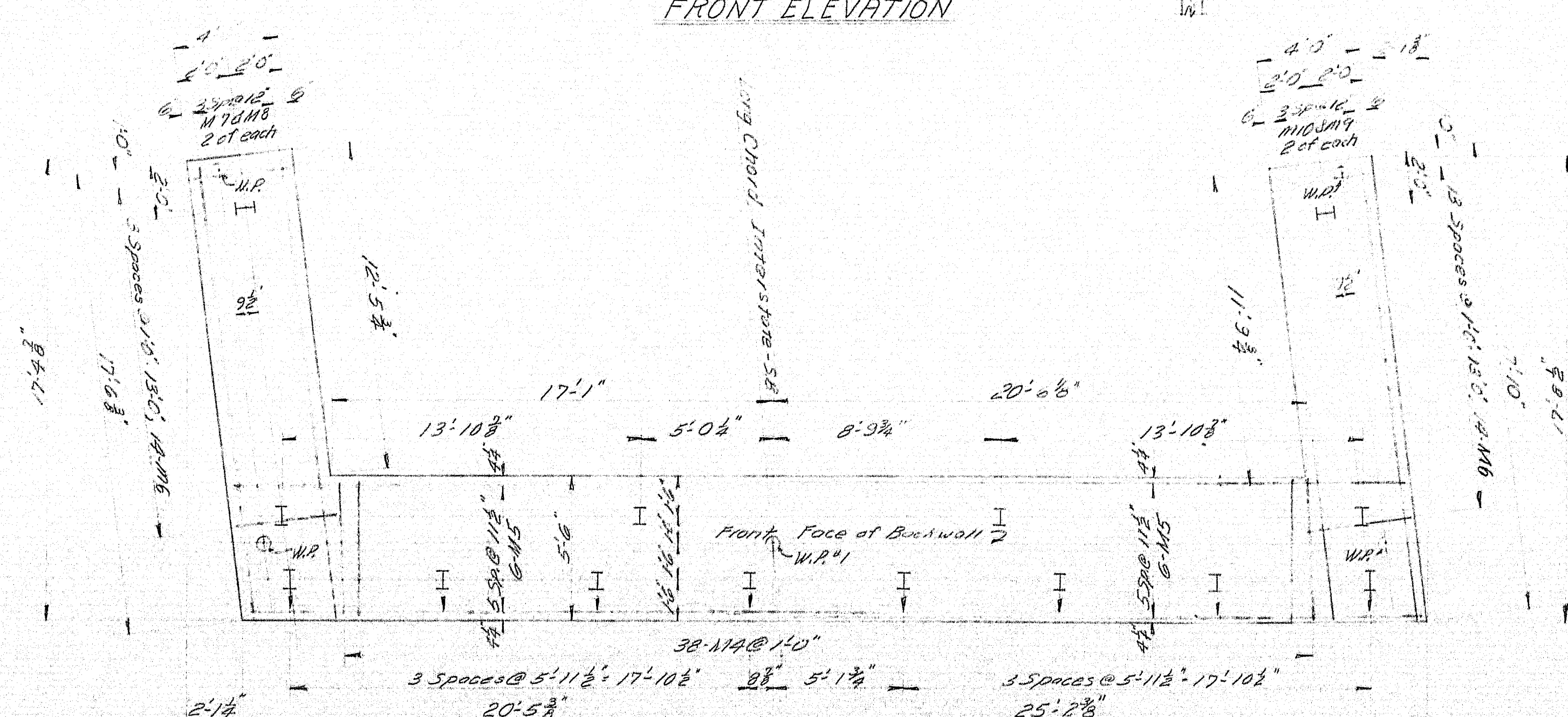
FRONT ELEVATION



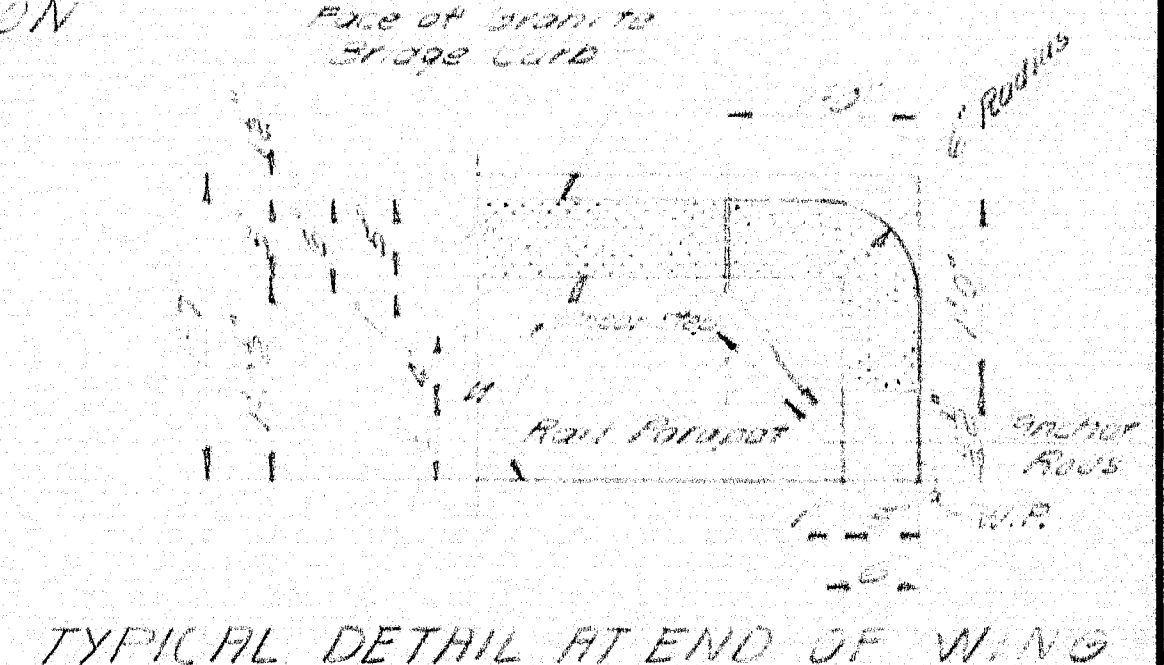
NORTH ELEVATION



SECTION H-H



FOOTING AND PILE PLAN (© EL. 250.00)

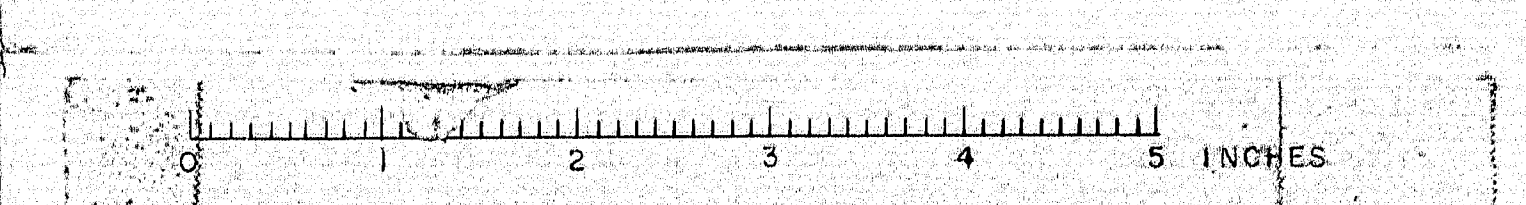


TYPICAL DETAIL AT END OF WING

BEARING PAD REINFORCING  
Set Reinforcing Steel  
3" below Bridge Seat

NOTES  
For General Notes & Pile Notes  
See Sheet 17.

DESIGN - C.D.M.	BRIDGE NO.
TRACE - M.A.C.	SURVEY -
CHECK - M.A.C.	PILOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
INTERSTATE 95 OVER MAINE CENTRAL RAILROAD & ROUTE 152 IN THE TOWN OF PITTSFIELD SOMERSET COUNTY	
ABUTMENT NO. 1 - M.C.R.R. & RTE. 152 - SOUTHBOUND SHEET 20 OF 41 AUGUSTA, MAINE JAN. 1963	



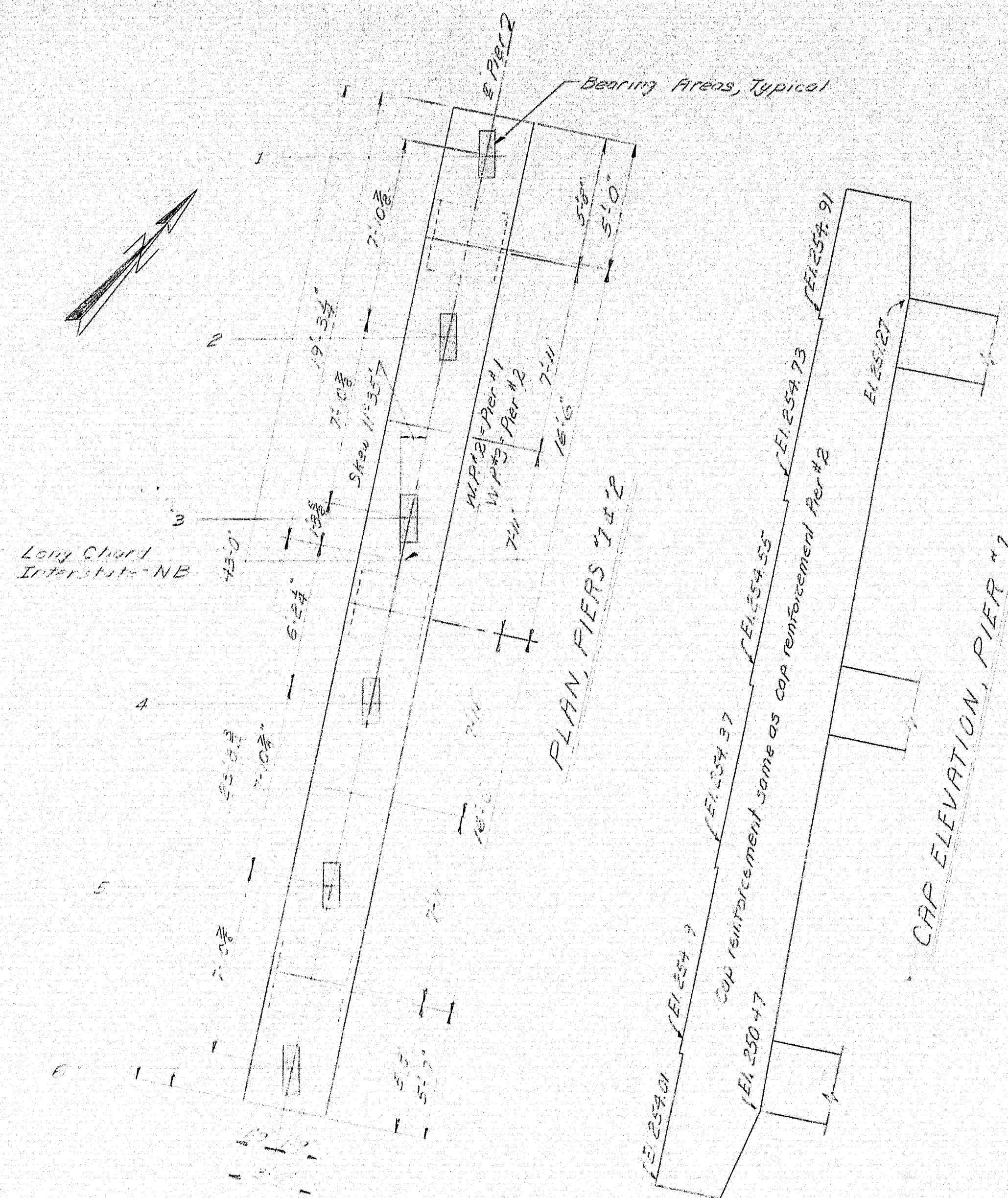




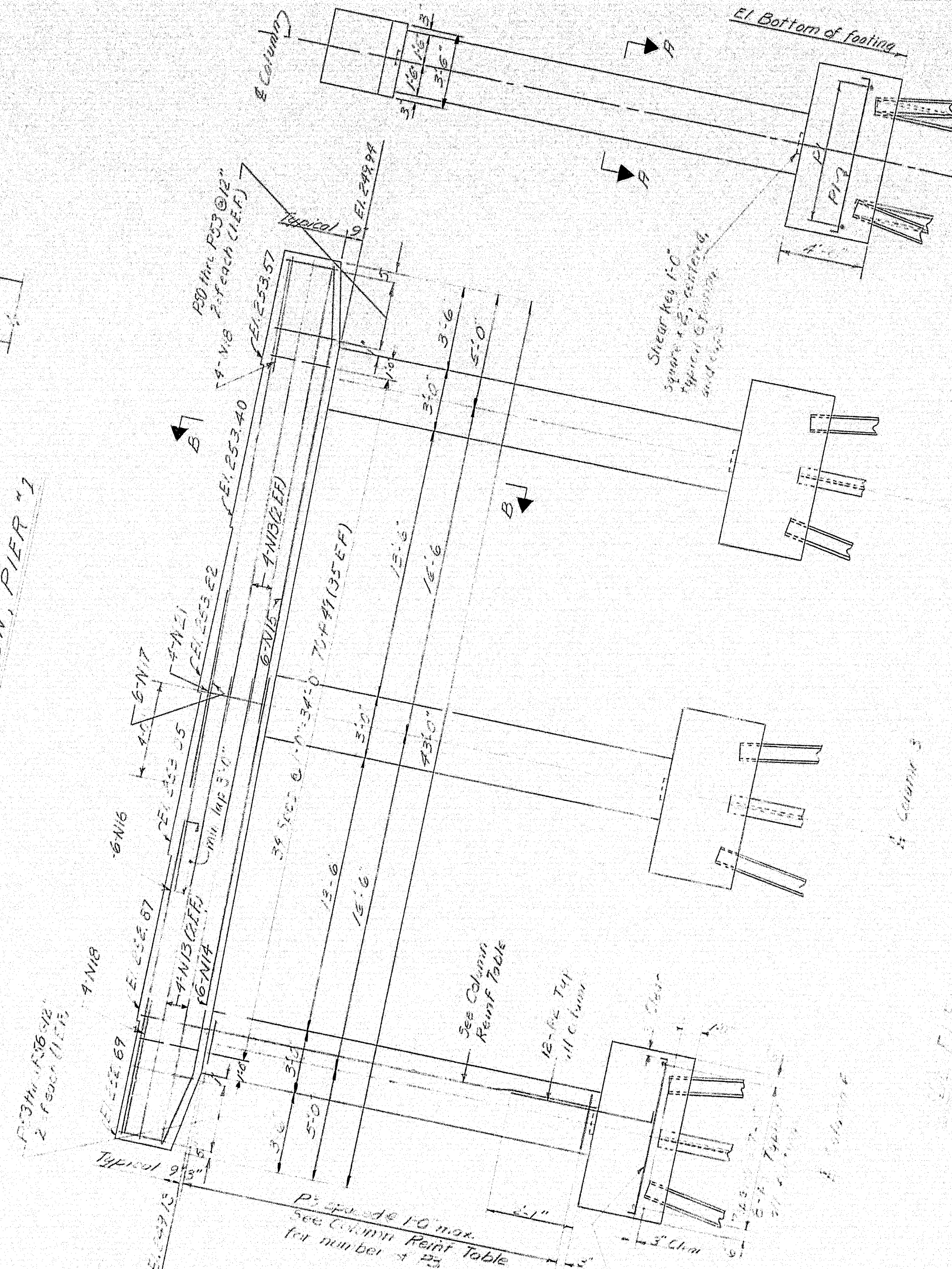




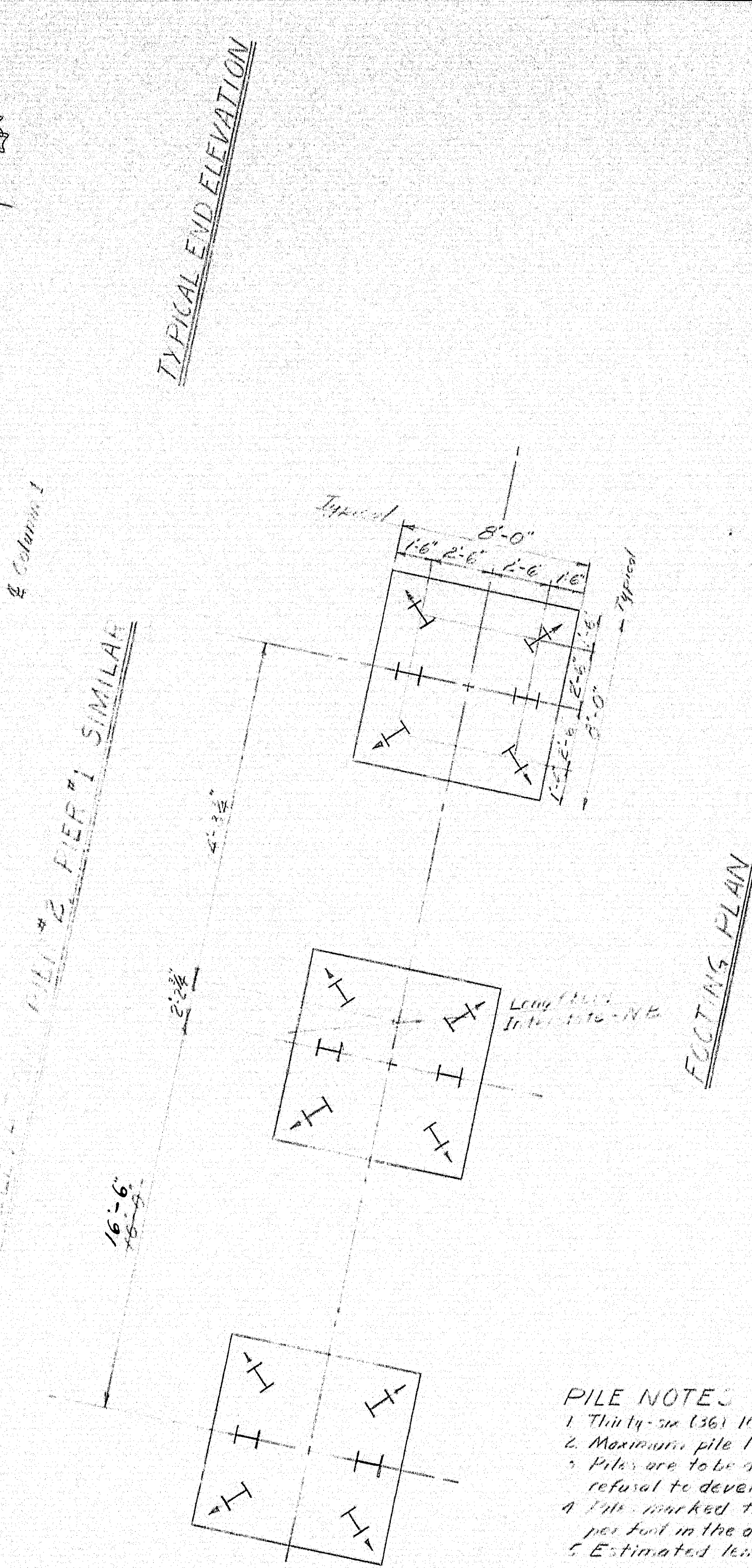




PLAN, PIERS 1 & 2

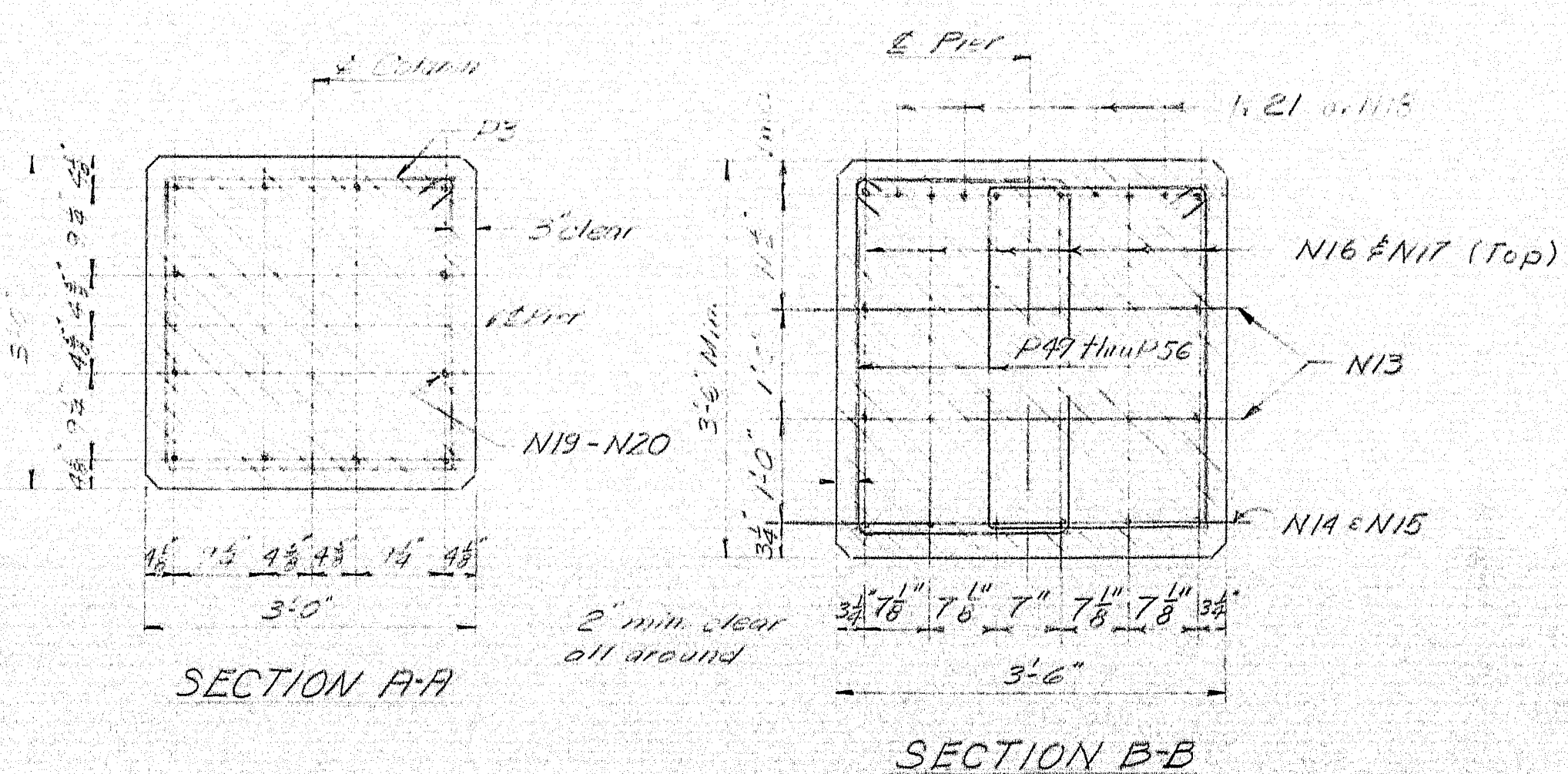


CAP ELEVATION, PIER #1



TYPICAL END ELEVATION

FLIGHT PLAN



SECTION A-A

SECTION B-B

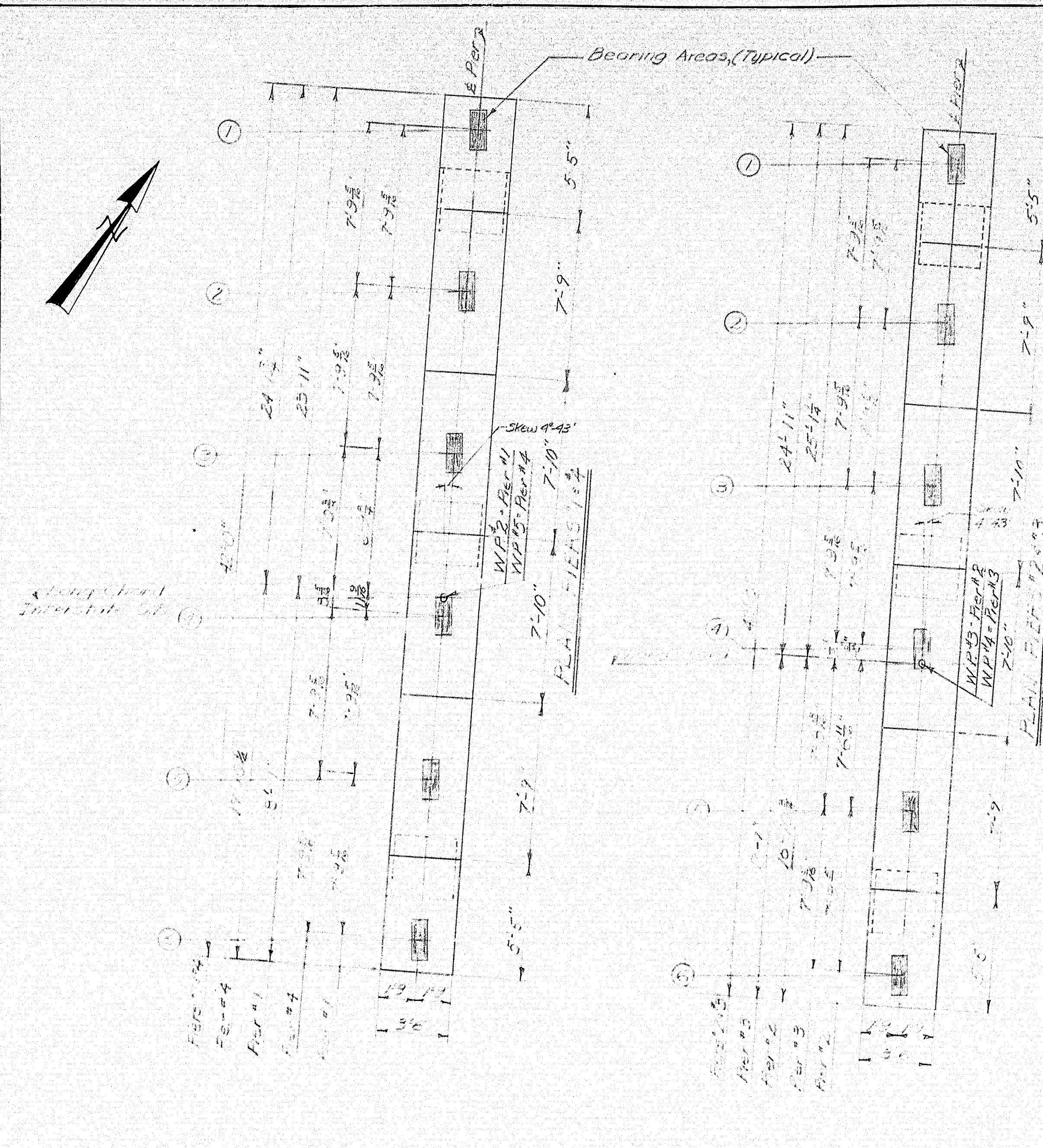
BOTTOM OF FOOTING ELEVATIONS & COLUMN REINF.								
Pier	Column	Bottom of Footing El.	Column Reinf.		Pier	Column	Bottom of Footing El.	Column Reinf.
#1	1	226.5	12-N19 22-P3	2	1	227.5	12-N20 19-P3	
	3	226.5	12-N19 21-P3		3	227.5	12-N20 19-P3	
	6	226.5	12-N19 21-P3		6	227.5	12-N20 19-P3	

- PILE NOTES**
1. Thirty-two (32) 16" x 42" steel H-piles required.
  2. Maximum pile load = 37 tons.
  3. Piles are to be driven to bottom or refusal, whichever occurs first, and then driven 2 feet further to develop end bearing.
  4. Piles marked this way to be battered 2 inches per foot in the direction of the arrow.
  5. Estimated length of pile:
- Pier #1 = 35 feet  
Pier #2 = 40 feet

- PIER NOTES**
1. E.F. = each face; N.B. = northbound.
  2. Position reinforcing in Pier Cap to clear swaged anchor bolts.
  3. Chamfer all exposed edges 3/4 inch.
  4. Dress shaded Bearing Areas 1" larger all around than Min. Maturity Chart, and to the exact bearing elevations given.

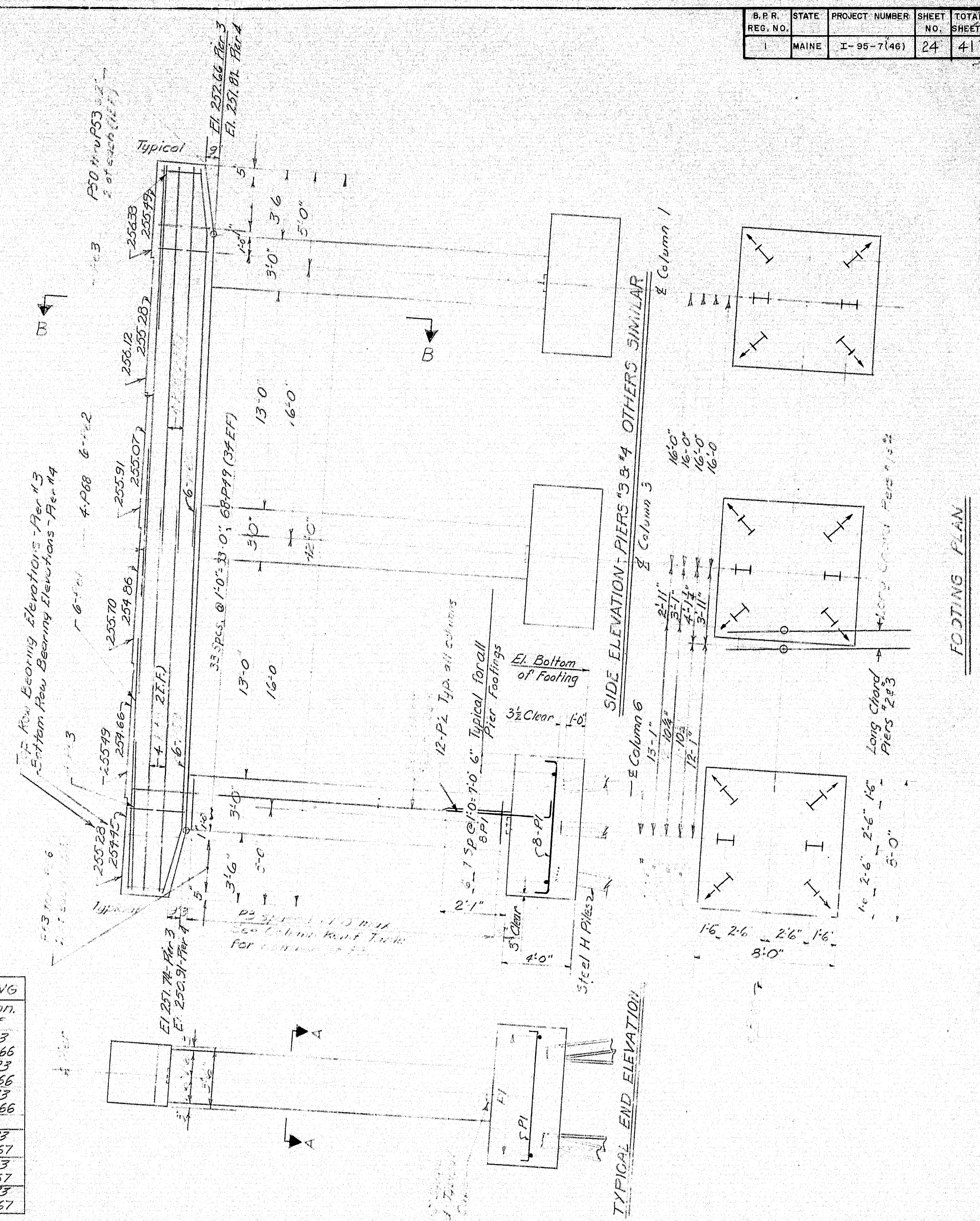
DESIGN - C.D.H. TRACE - L.H. CHECK - J.H.	BRIDGE NO. SURVEY PLOT
STATE HIGHWAY COMMISSION BRIDGE DIVISION INTERSTATE 95 OVER MAINE CENTRAL RAILROAD & ROUTE 152 IN THE TOWN OF PITTSFIELD SOMERSET COUNTY PIERS-ROUTE 152-NORTHBOUND SHEET 23 OF 41 AUGUSTA, MAINE DEC. 62	



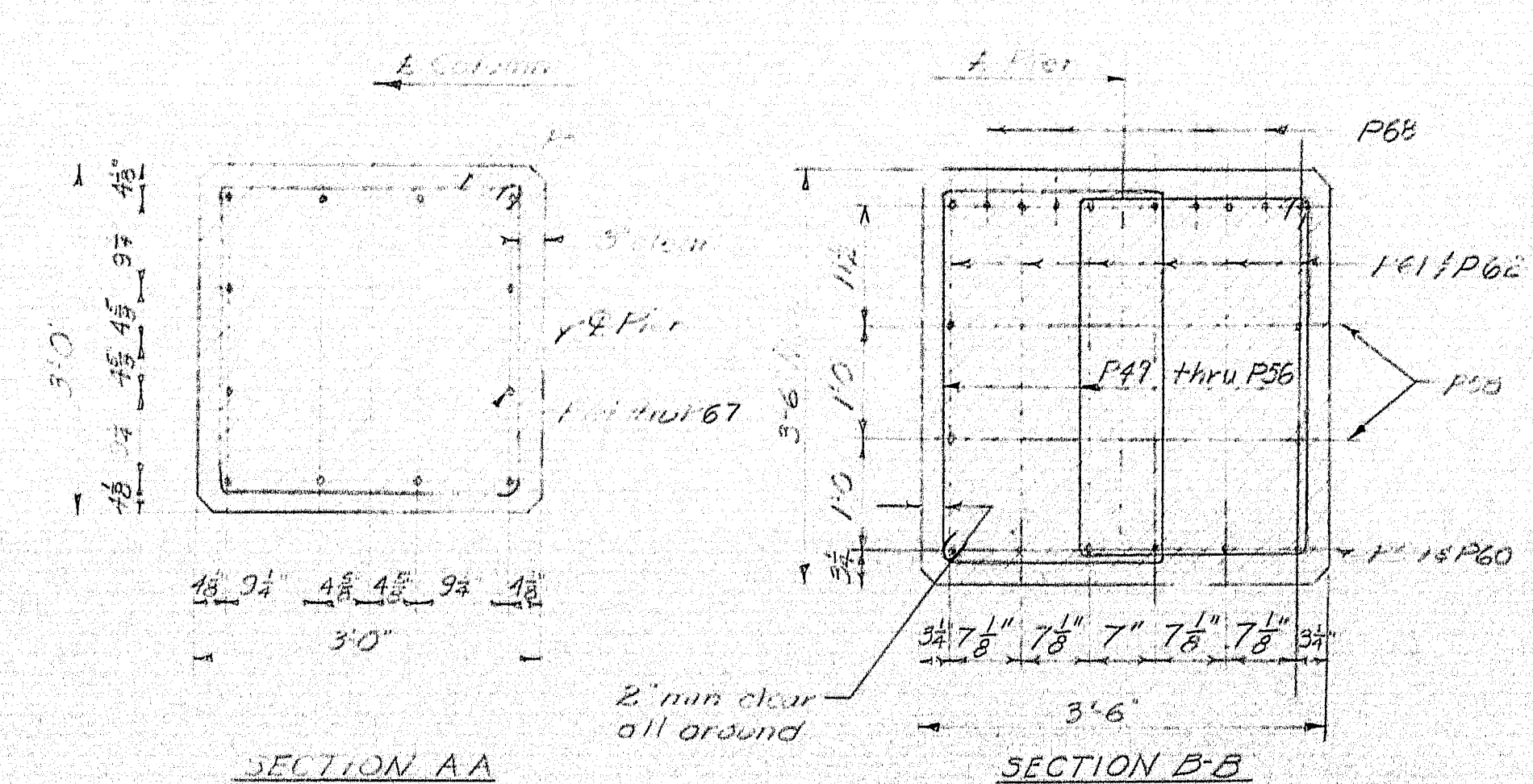


BOTTOM OF FOOTING ELEVATIONS & COLUMN REINFORCING							
Pier	Column	Bottom of Ftg. El.	Column Reinf.	Pier	Column	Bottom of Ftg. El.	Column Reinf.
1	1	226.5	24-P3 12-P64	3	1	226.5	23-P3 12-P66
	3	226.5	24-P3 12-P64		3	226.5	23-P3 12-P66
	6	226.5	23-P3 12-P64		6	226.5	22-P3 12-P66
2	1	226.0	24-P3 12-P65	4	1	227.5	21-P3 12-P67
	3	226.0	24-P3 12-P65		3	227.5	21-P3 12-P67
	6	226.0	23-P3 12-P65		6	227.5	20-P3 12-P67

- PILE NOTES**
- Seventy-two (72) 10BP42 Steel H-Piles required.
  - Maximum pile load - 37 tons.
  - Piles are to be driven to ledge or practical refusal to develop and bearing.
  - Piles marked thus H- to be battered 2 inches per foot in the direction of the arrow.
  - Estimated length of piles:  
 Pier #1 - 40 feet, 18 Reqd.  
 Pier #2 - 40 feet, 18 "  
 Pier #3 - 40 feet, 18 "  
 Pier #4 - 40 feet, 18 "



- PIER NOTES**
- EF - each face; SB - south bound.
  - Position reinforcing in Pier 1, 3, 4, 6 shown.
  - Chamber all exposed edges 1/2 inch.
  - Dress shaded Bearing Areas 1" larger all around than the Masonry Plates, and to the exact bearing elevations given.
  - For layout of Working Points (W.P.), See General Plan.



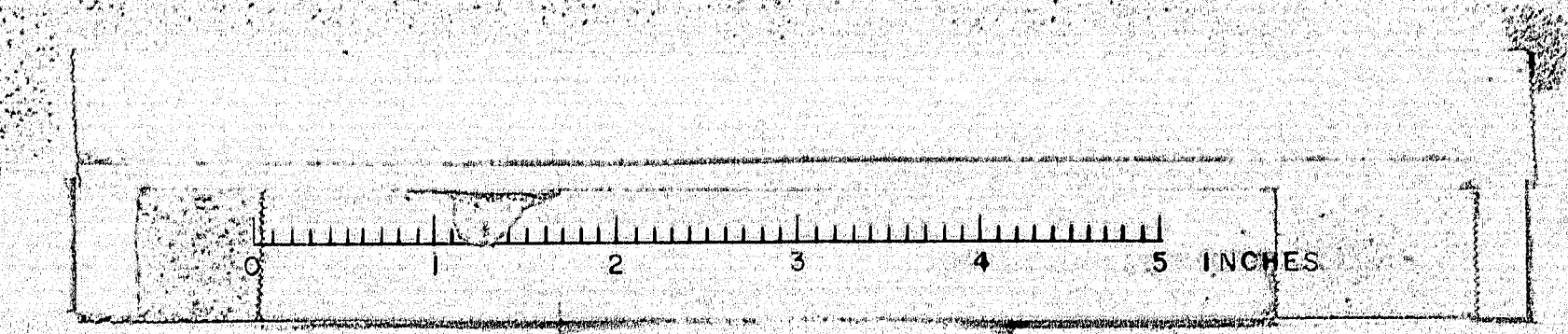
DESIGN - C.D.H.  
 DETAIL - B.S.H.  
 CHECK - D. H. H.

STATE HIGHWAY COMMISSION  
 BRIDGE DIVISION

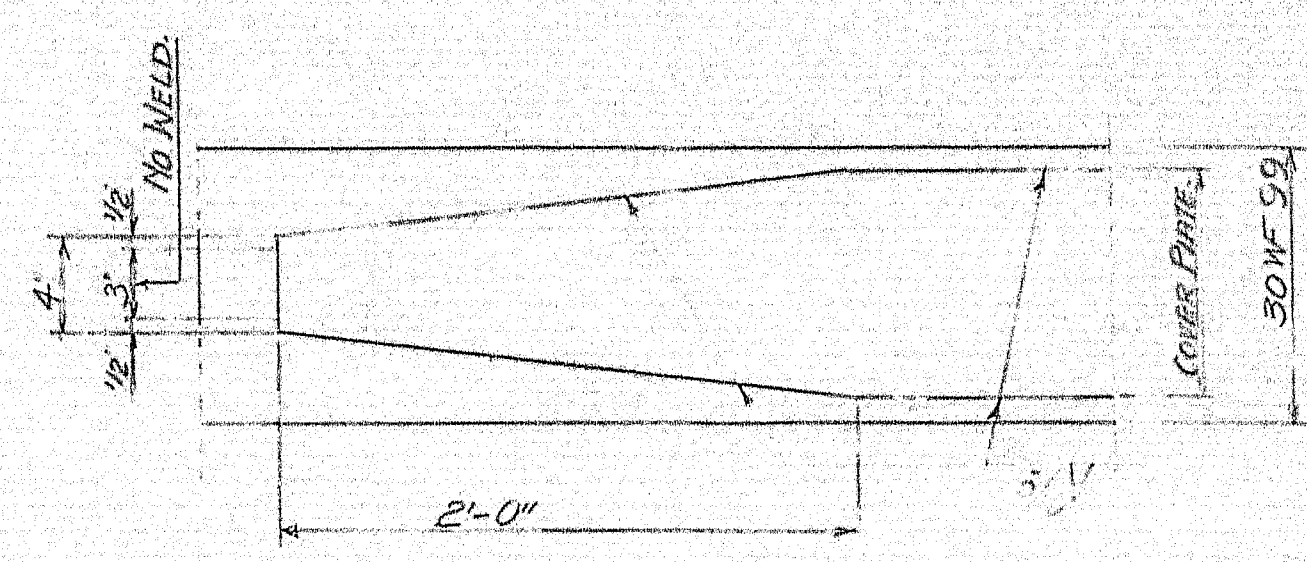
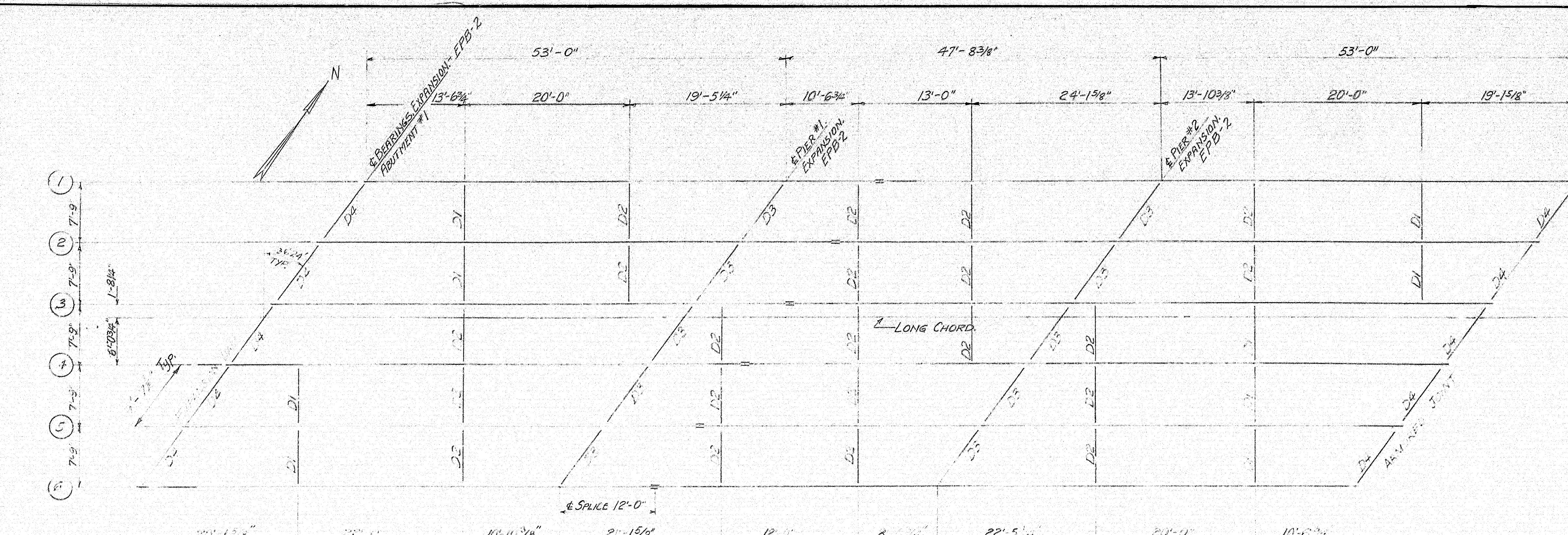
**INTERSTATE 95  
 OVER  
 MAINE CENTRAL RAILROAD  
 & ROUTE 152**

IN THE TOWN OF  
**PITTSFIELD  
 SOMERSET COUNTY**

PIERS - SOUTHBOUND  
 SHEET 24 OF 41 AUGUSTA, MAINE JAN 1963

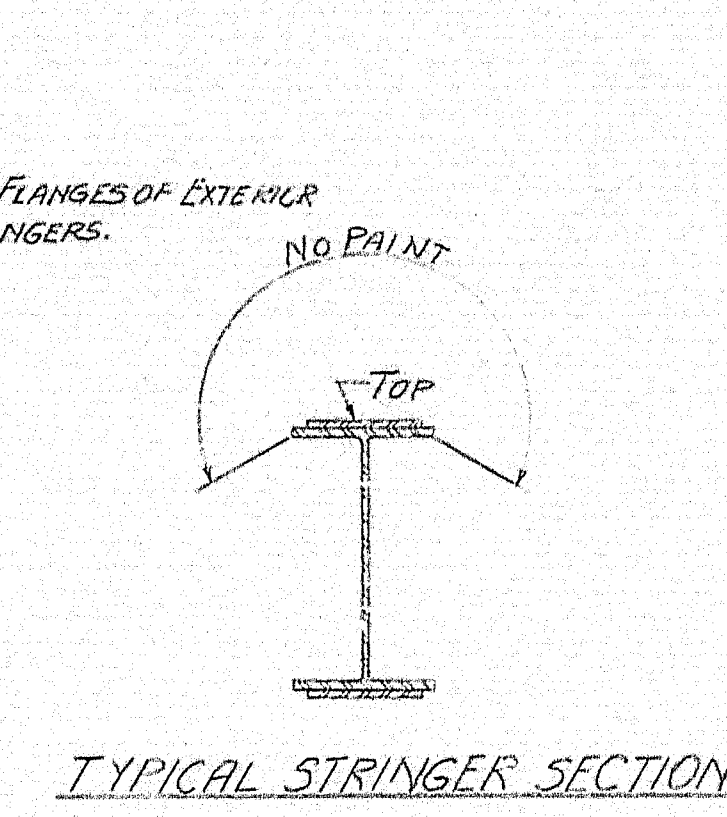
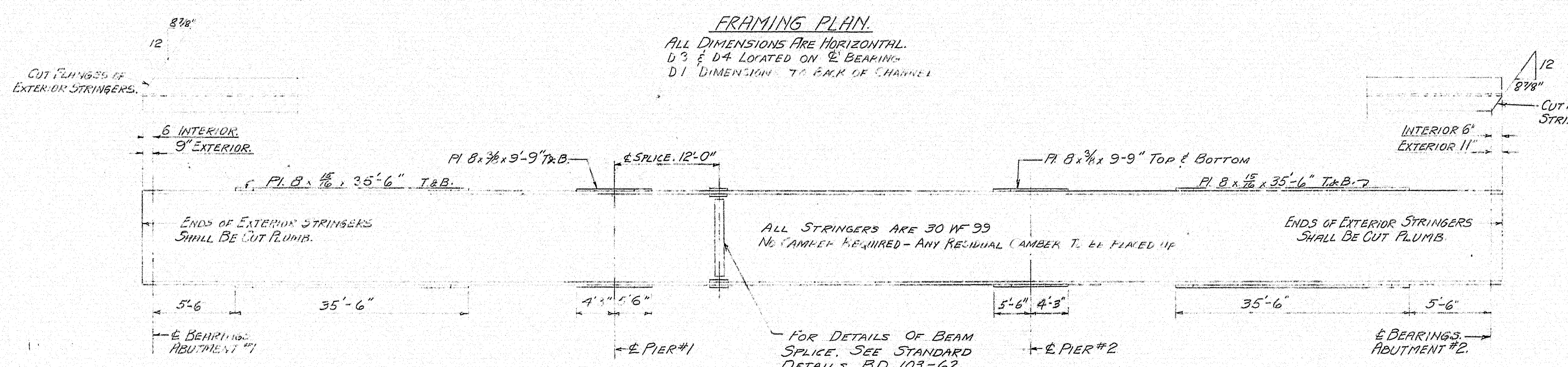






END OF COVER PLATE DETAIL

**FRAMING PLAN**  
ALL DIMENSIONS ARE HORIZONTAL.  
D3 & D4 LOCATED ON E BEARING.  
D1 DIMENSION TO BACK OF CHANNEL.



TYPICAL STRINGER SECTION

**-NOTES-**

1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE LATEST REVISION OF THE SPECIFICATION A.S.T.M. DESIGNATION A36 EXCEPT DIAPHRAGMS WHICH MAY BE A36 OR A7.
2. FIELD CONNECTIONS SHALL BE 7/8"  $\phi$  HIGH TENSILE STRENGTH BOLTS, 12" LONG SPACED.
3. THE ENGINEER SHALL BE SUPPLIED WITH A DIAGRAM SHOWING MATCH MARKS OF CONNECTION PARTS ASSEMBLED IN THE SHOP.
4. D1 & D2 ARE TOP & BOTTOM DIAPHRAGMS D3 & D4 ARE THE 6" DIAPHRAGMS. SEE STANDARD DETAIL BD 104-62.
5. FOR BEARING DETAILS - EMB-2 & EMB-3, SEE STANDARD DETAIL BD 101-52.
6. FOR FIELD END DETAIL SEE SHEET 1-95-7448-25.
7. FOR WAREHOUSE DETAIL SEE STANDARD DETAIL BD 104-62.

GRADES FROM ABUT #1 TO SPICE		GRADES FROM SPICE TO ABUT #2	
①	- .52830		- .86133
②	- .50943		- .82976
③	- .47163		- .81172
④	- .45283		- .77001
⑤	- .39622		- .75422
⑥	- .37735		- .71251

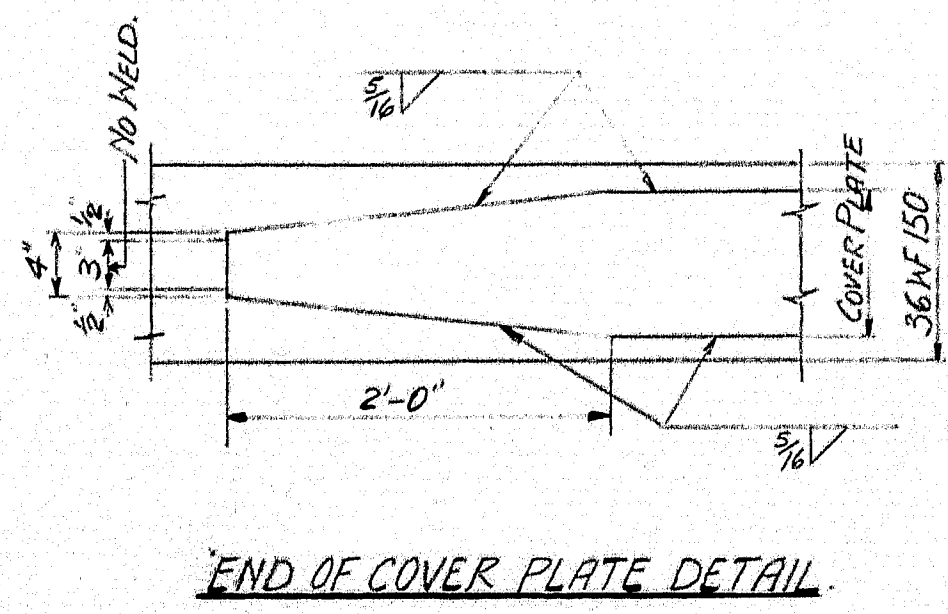
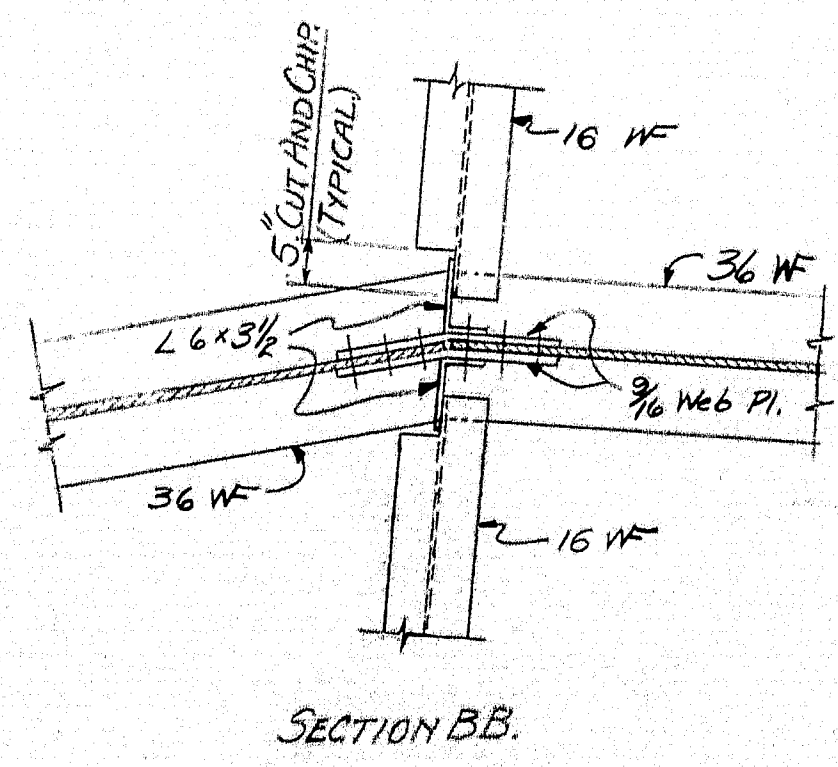
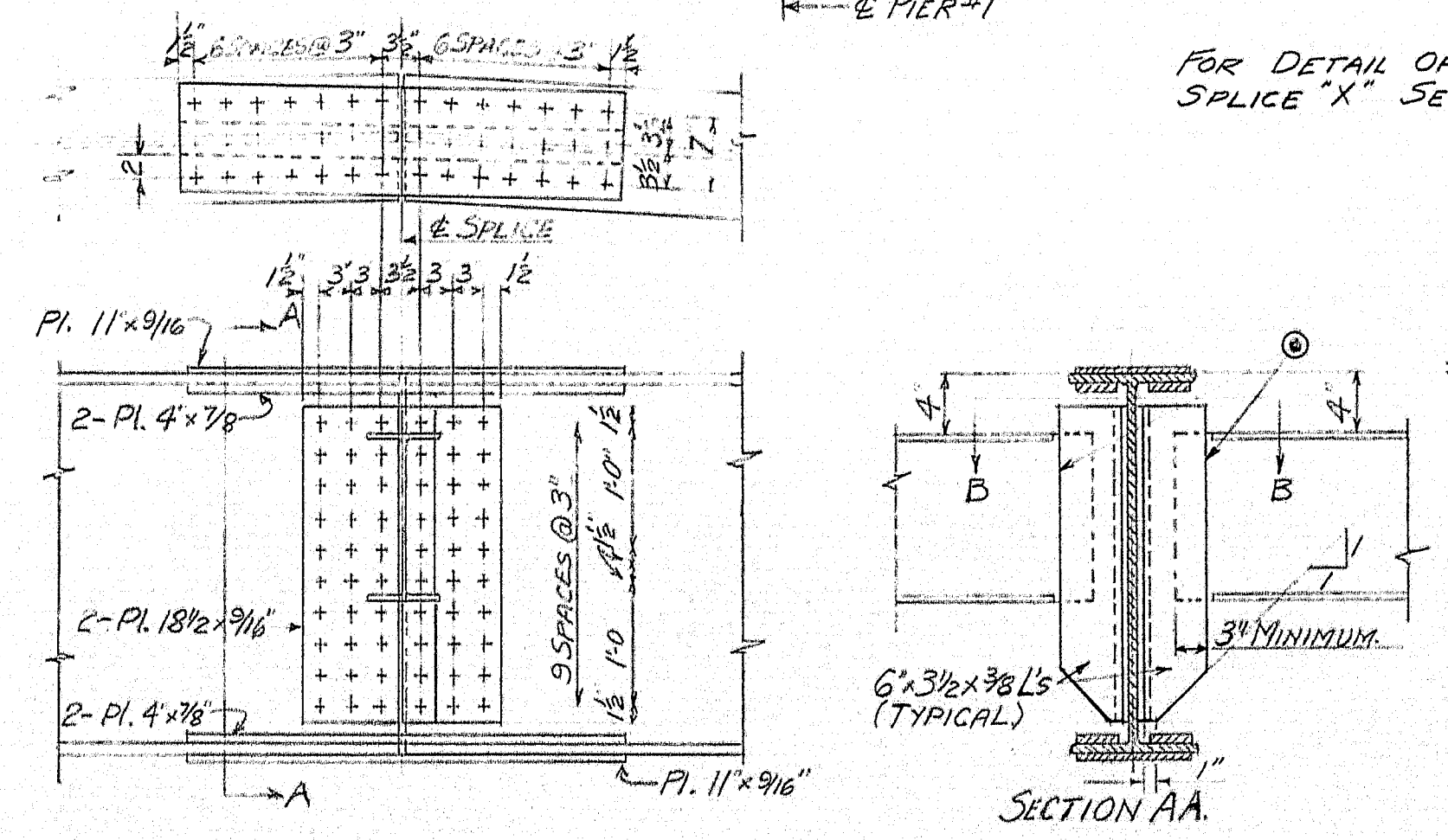
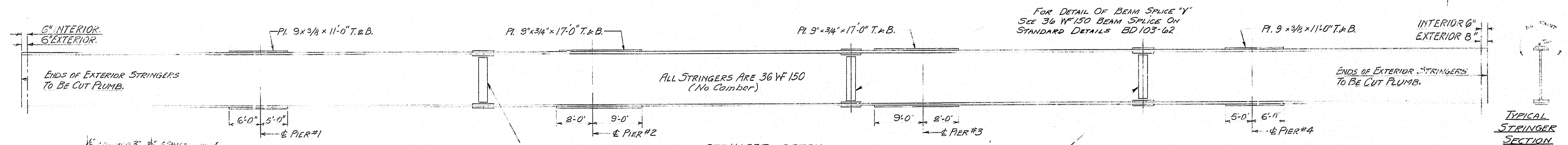
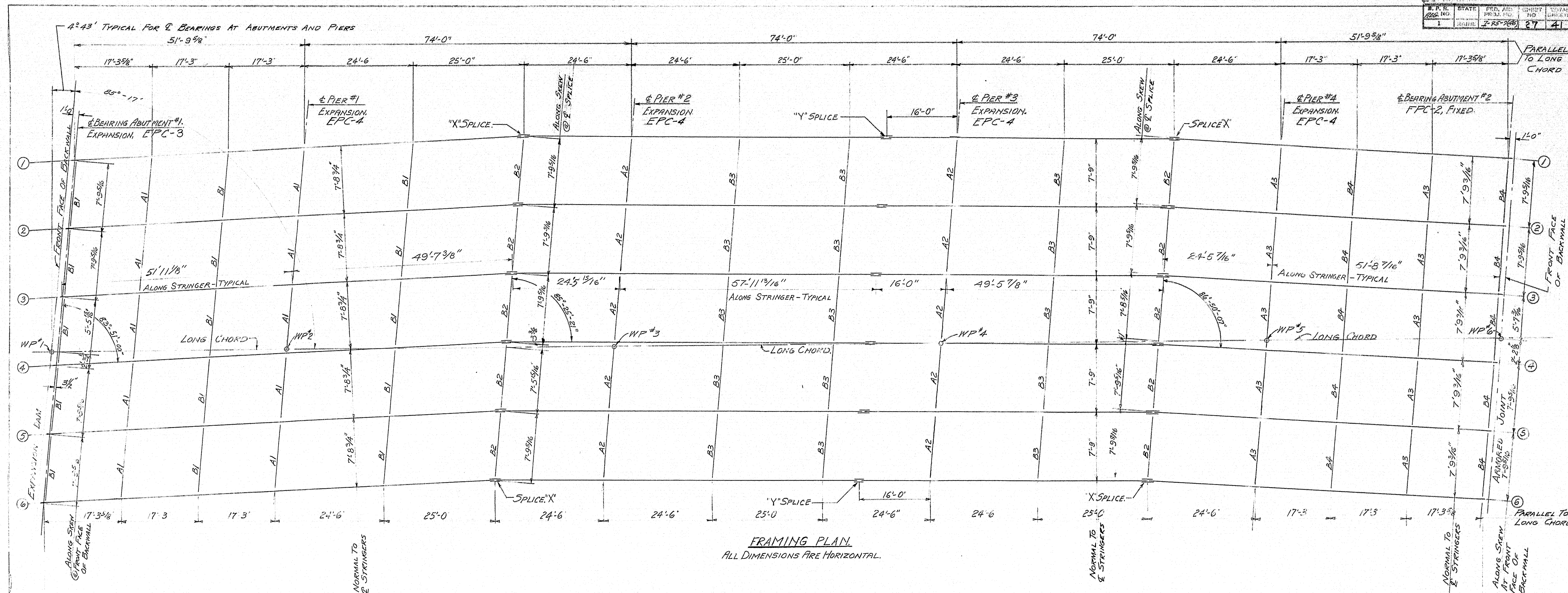
DIAGRAM OF GRADES AT & OF STRINGERS

DESIGN - C. D. H. TRACE - J. E. CHECK - [Signature]	BRIDGE NO. PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION <b>INTERSTATE 95</b> OVER <b>MAINE CENTRAL RAILROAD &amp; ROUTE 152</b> IN THE TOWN OF <b>PITTSFIELD</b> <b>SOMERSET COUNTY</b>	
FRAMING PLAN - MAINE CENTRAL RAILROAD - NORTHBOUND SHEET 25 OF 41 AUGUSTA, MAINE DEC 62	





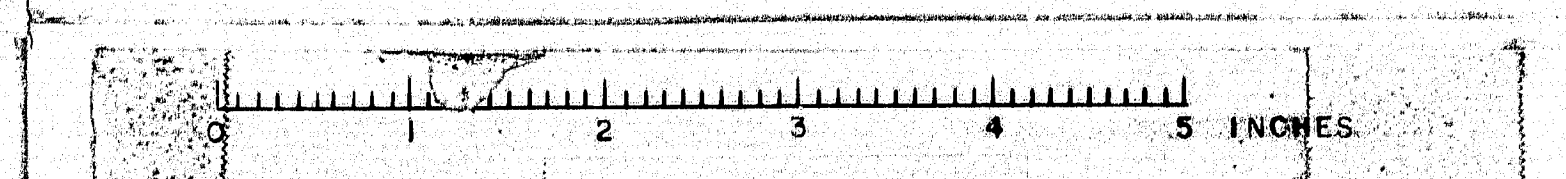




- NOTES**
1. FOR BEARING PEDESTALS EPC-3, EPC-4 & F1C-2 SEE STANDARD DETAILS BD 101-62.
  2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE LATEST REVISION OF THE SPECIFICATION A.S.T.M. DESIGNATION A36 EXCEPT DIAPHRAGMS WHICH MAY BE A360M.
  3. FIELD CONNECTIONS SHALL BE 7/8\"/>

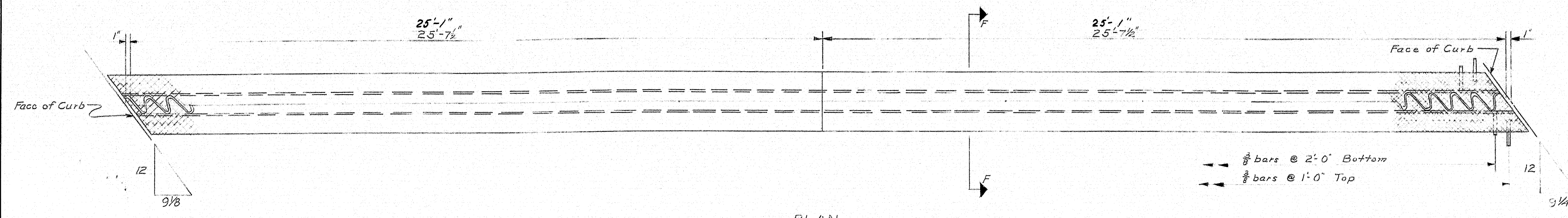
DESIGN - C.P.M.  
DETAIL - J.R.  
CHECK - M.C.R.

STATE HIGHWAY COMMISSION  
BRIDGE DIVISION  
INTERSTATE 95  
OVER  
MAINE CENTRAL RAILROAD  
& ROUTE 152  
IN THE TOWN OF  
PITTSFIELD  
SOMERSET COUNTY  
STRUCTURAL STEEL FRAMING PLAN-SOUTHBOUND  
SHEET 27 OF 41 AUGUSTA, MAINE JAN. 1963

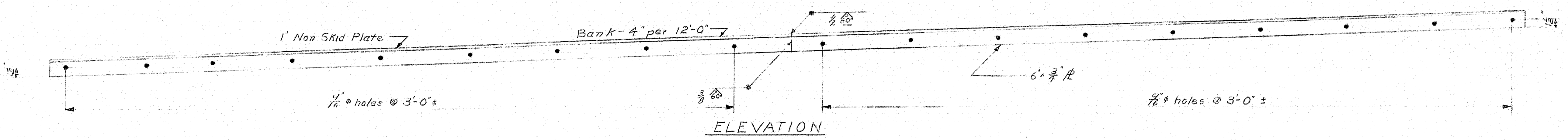




B. P. R.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-7(46)	28	41

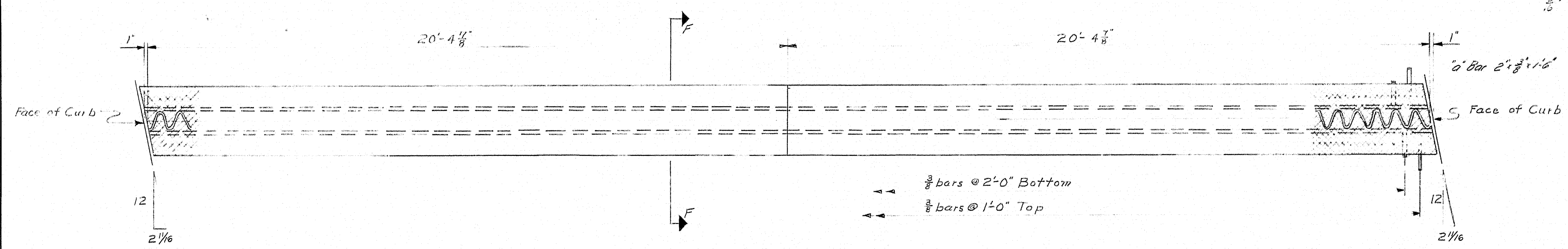


PLAN

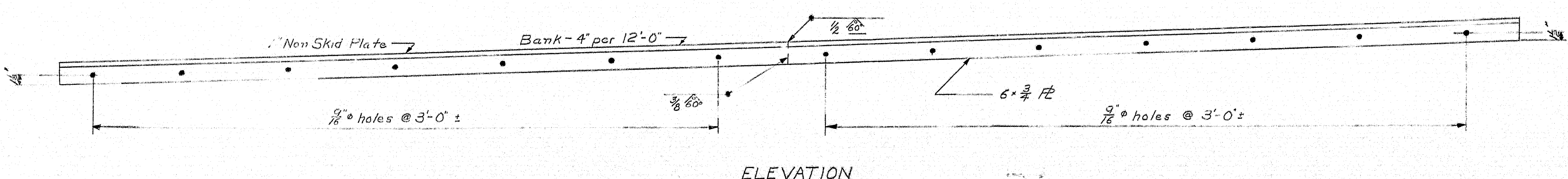


ELEVATION

EXPANSION DAM - MCRR  
1 Required at Abutment #1

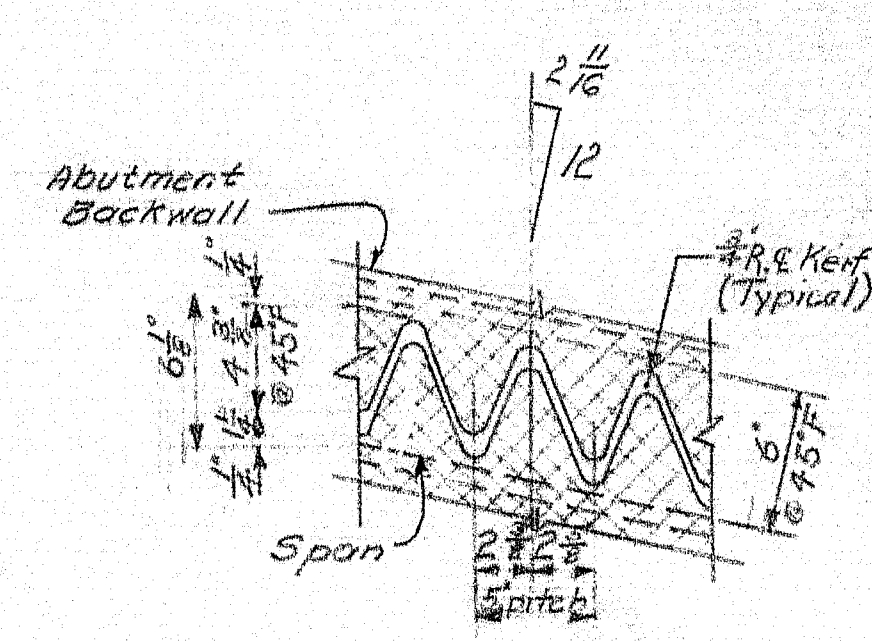


PLAN

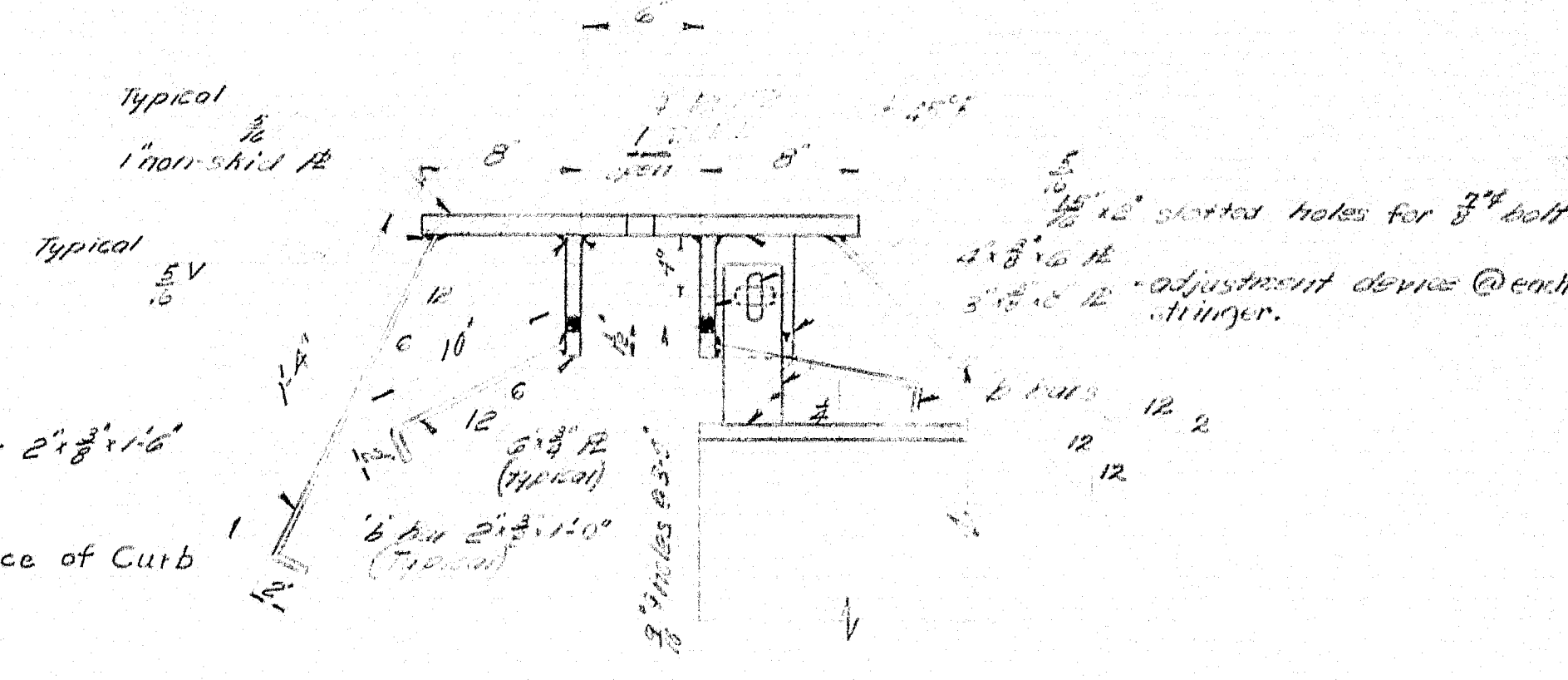


ELEVATION

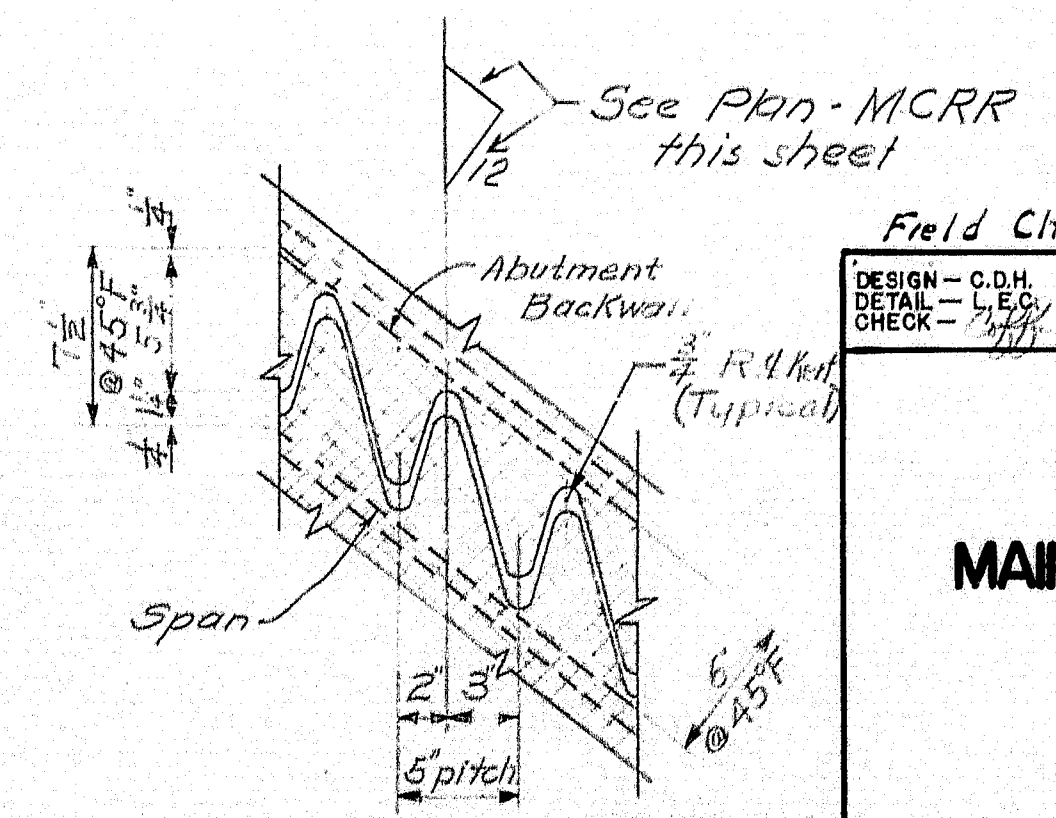
EXPANSION DAM - RT 152  
1 Required at Abutment #1



CUTTING DETAIL FOR  
1" NON SKID PLATE - RT 152  
Note: Cut from one plate and match mark.



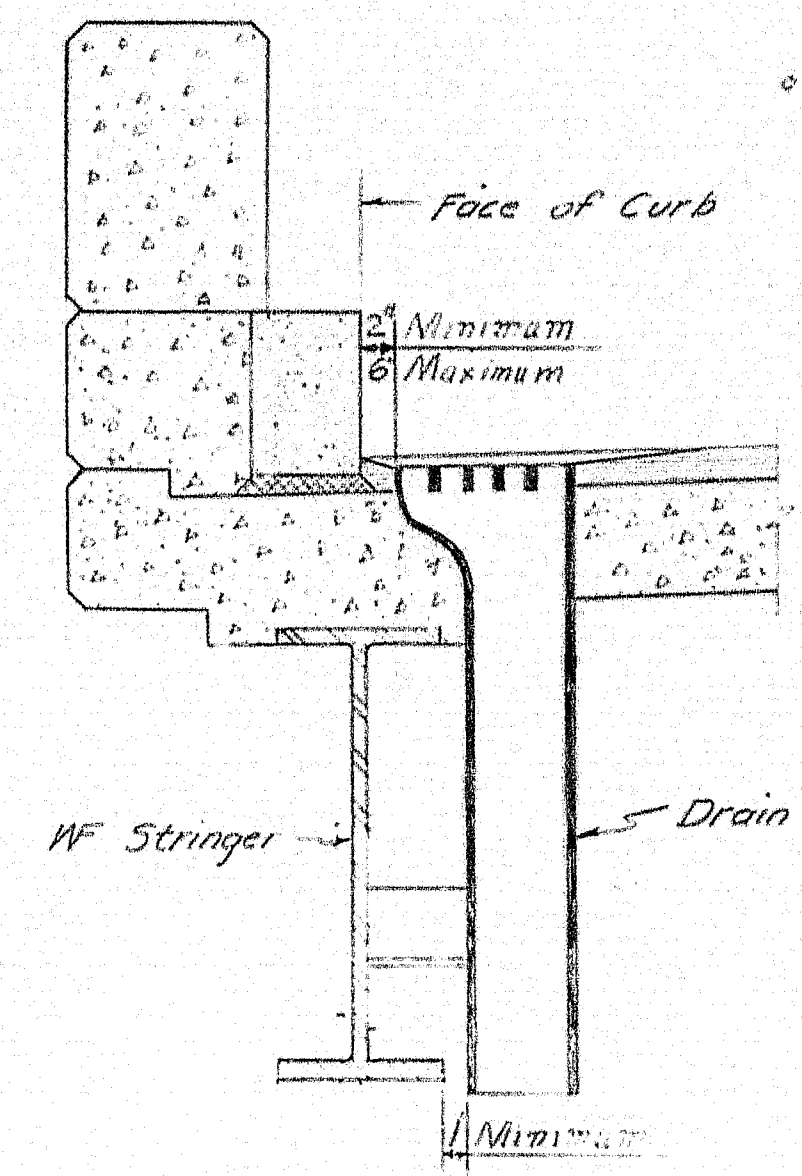
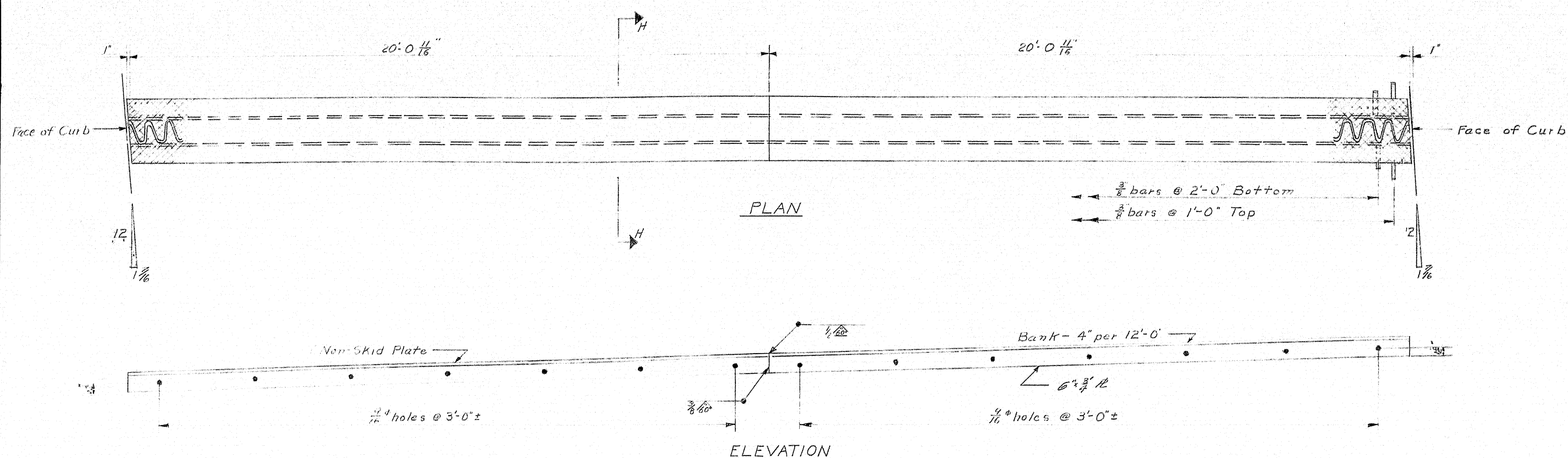
SECTION F-F



CUTTING DETAIL FOR 1" NON-SKID PLATE - MCRR  
Note: Cut from one plate and match mark.

DESIGN - C.D.H.	BRIDGE NO.
CHECK - L.E.G.	152
DATE - 1/1/64	PLOT -
STATE HIGHWAY COMMISSION	
BRIDGE DIVISION	
INTERSTATE 95	
OVER	
MAINE CENTRAL RAILROAD	
8 ROUTE 152	
IN THE TOWN OF	
PITTSFIELD	
SOMERSET COUNTY	
EXPANSION DAMS - NORTHBOUND	
SHEET 28	OF 47
AUGUSTA, MAINE	DEC. 19 62





**DRAIN DETAIL**

For location, see superstructure sheets.

5 Required - MCRB-N.B.

4 Required - RI 152-N.B.

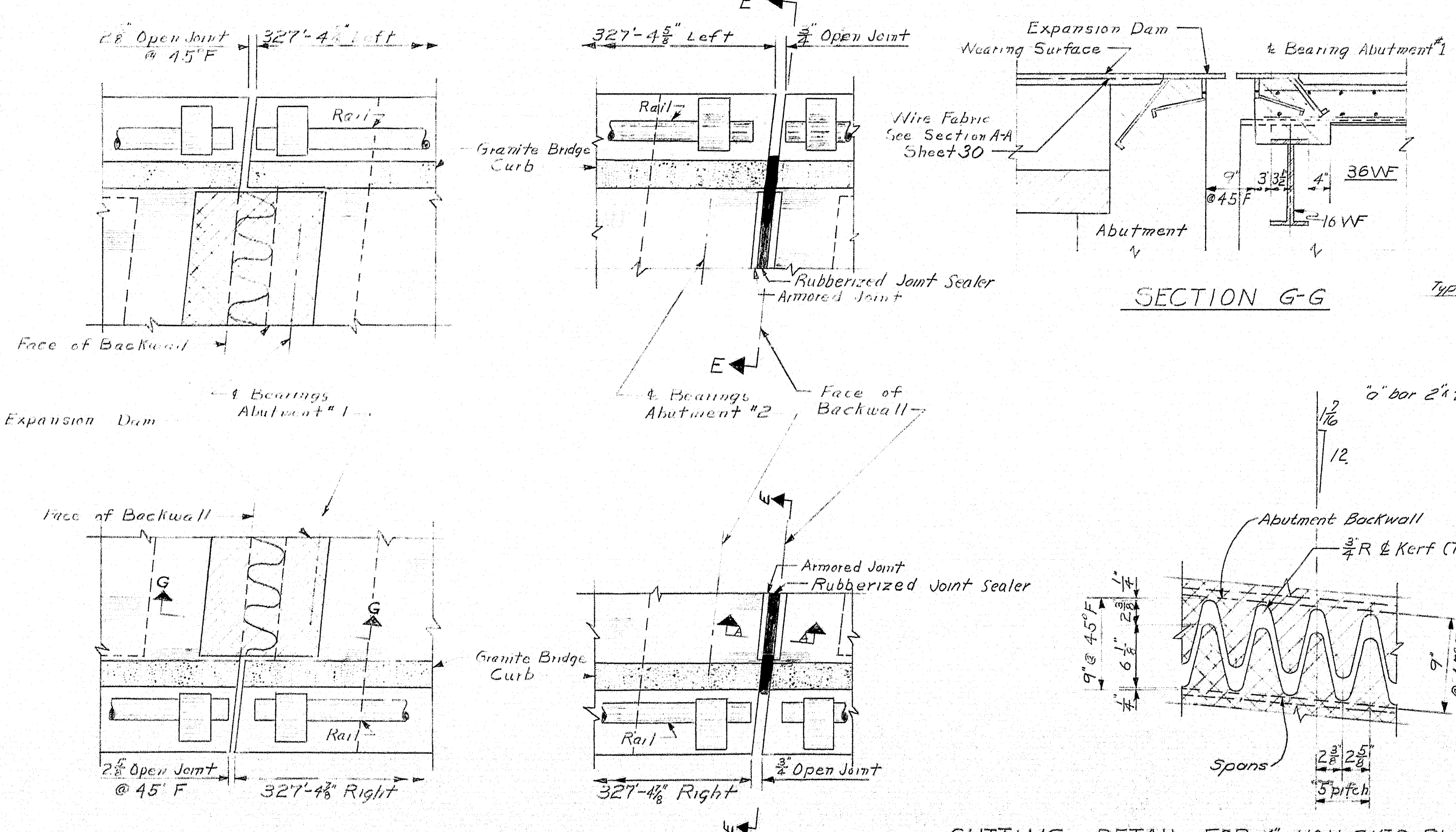
3 Required - MCRB RI 152-S.B.

**GENERAL SUPERSTRUCTURE NOTES**

- At joints in parapet, granite curb over Pier, and 1/2" preferred expansion joint filler. At all other joints, break the bond between concrete surfaces with a suitable grade of asphalt paint. Form V-Groove on top, inside & outside face of parapet and outside face of curb and slab at each vertical joint. Provide joints in granite curb at curb and parapet C.J.'s.
- At low points in slabs, place a 1" plastic tube through the slab for drainage. Exact location to be determined in the field. Do not cover with waterproofing. This work to be incidental to contract items.
- For Bridge Rail, see Standard Details BD 102-62.
- For Drain Details, see Standard Details BD 104-62.

**EXPANSION DAM - S.B.**

1- Required at Abutment #1



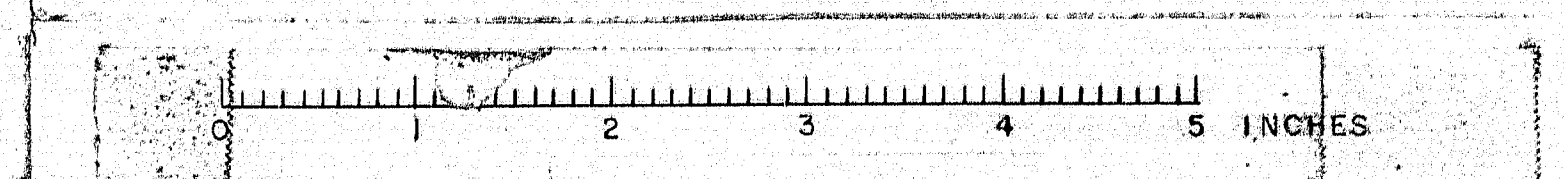
**PLAN OF ENDS OF S.B. SUPERSTRUCTURE**

Notes: For sections A-A & View E-E, see sheet 30.

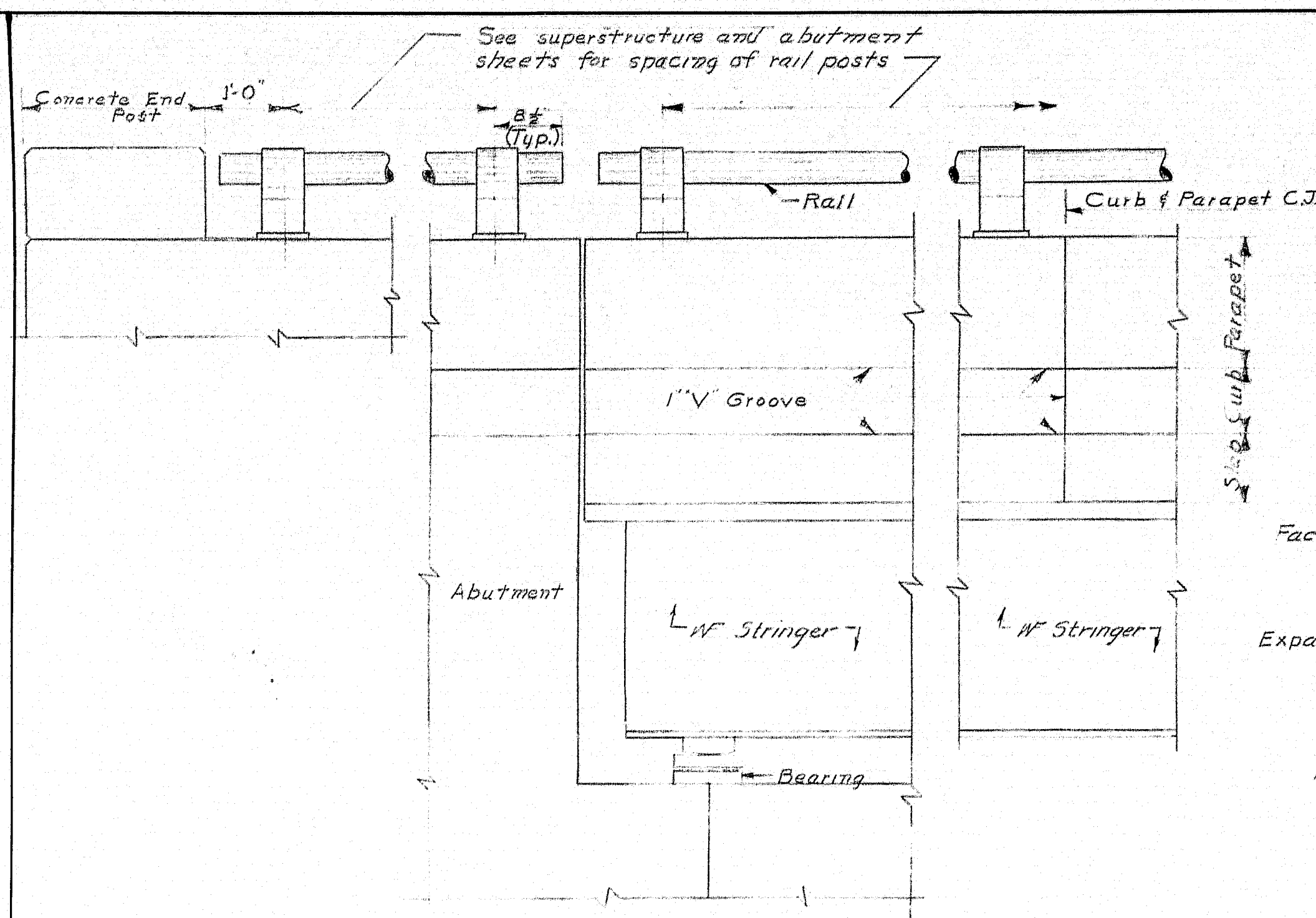
**CUTTING DETAIL FOR 1" NON-SKID PLATE - S.B.**

Note: Cut from one plate and match mark

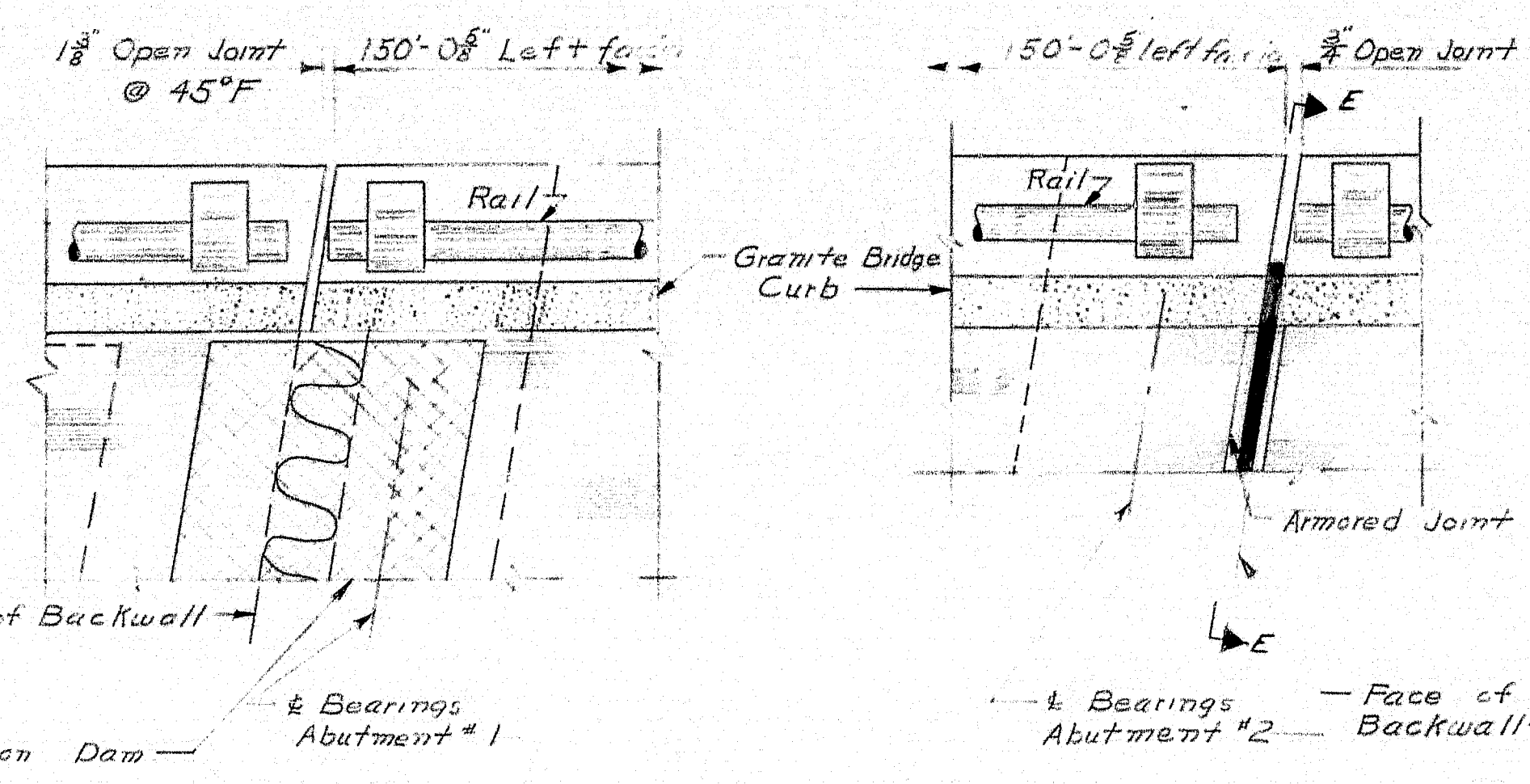
DESIGN - C. D. H.	BRIDGE NO.
TRACE - L. E. C.	SURVEY -
CHECK - M. J. P.	PLOT -
STATE HIGHWAY COMMISSION	
BRIDGE DIVISION	
INTERSTATE 95	
OVER	
MAINE CENTRAL RAILROAD	
& ROUTE 152	
IN THE TOWN OF	
PITTSFIELD	
SOMERSET COUNTY	
EXPANSION DAM - S.B., DRAIN DETAIL, SUPERSTRUCTURE NOTES	
SHEET 29 OF 41	AUGUSTA, MAINE DEC. 62



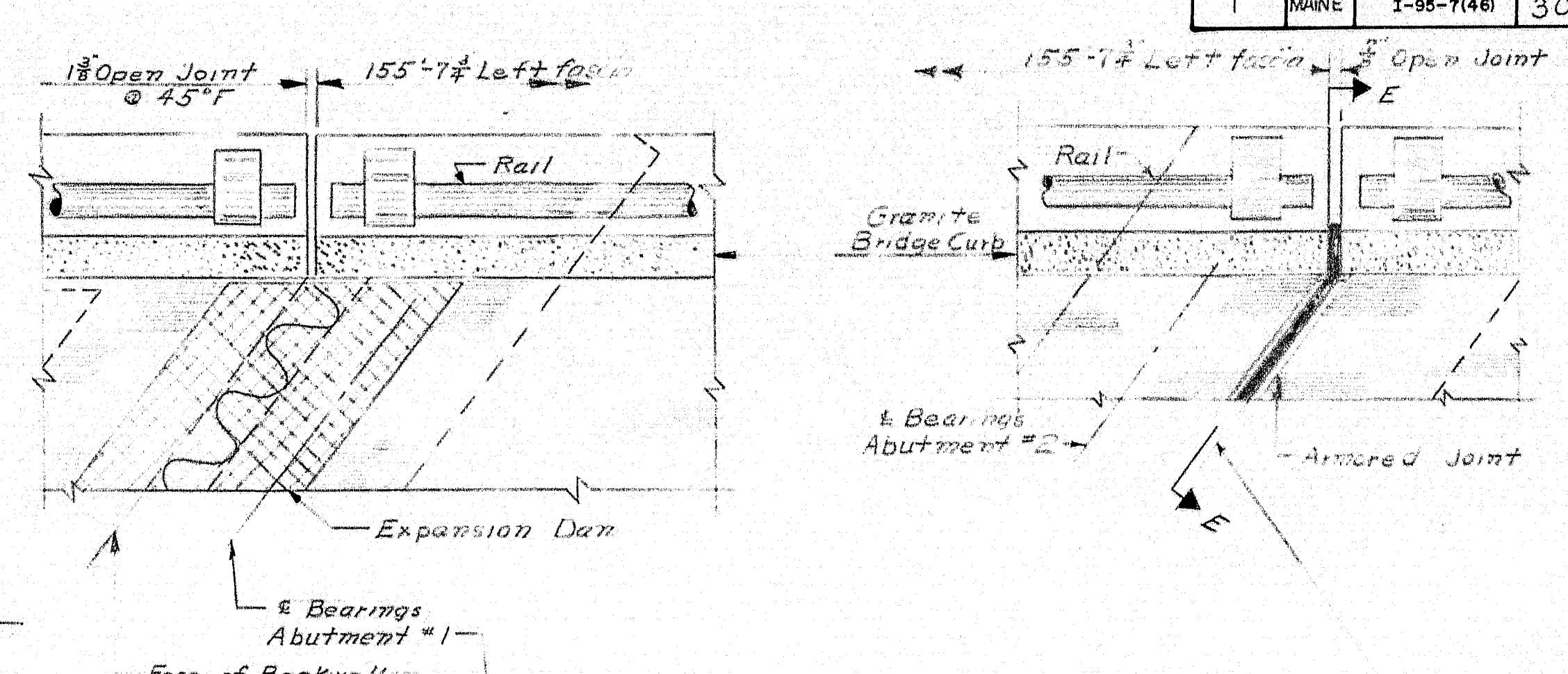




ELEVATION OF END OF SUPERSTRUCTURE

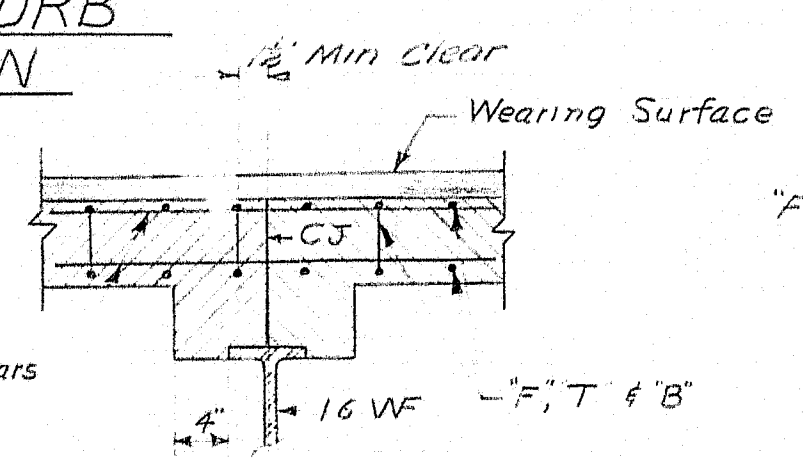


PLAN OF ENDS OF ROUTE 152, N.E. SUPERSTRUCTURE

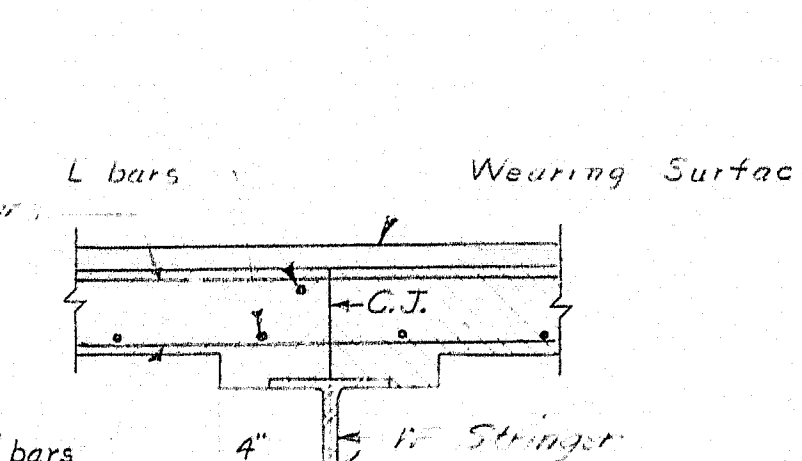


PLAN OF ENDS OF MCR SUPERSTRUCTURE, N.E.

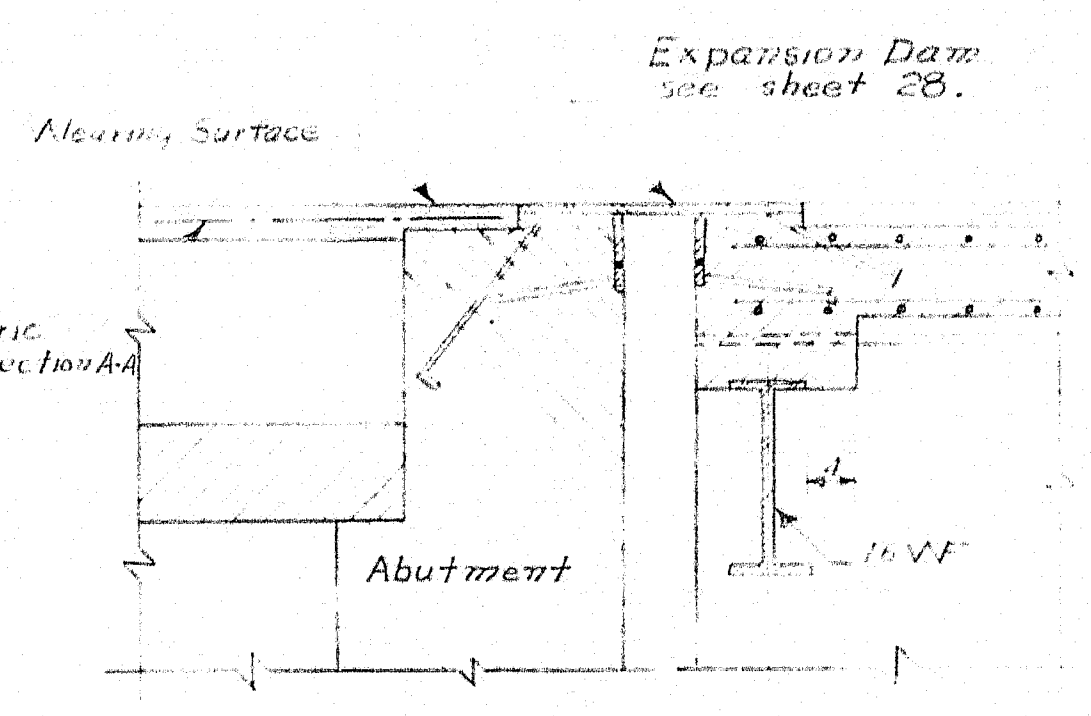
GRANITE BRIDGE CURB TYPICAL SECTION



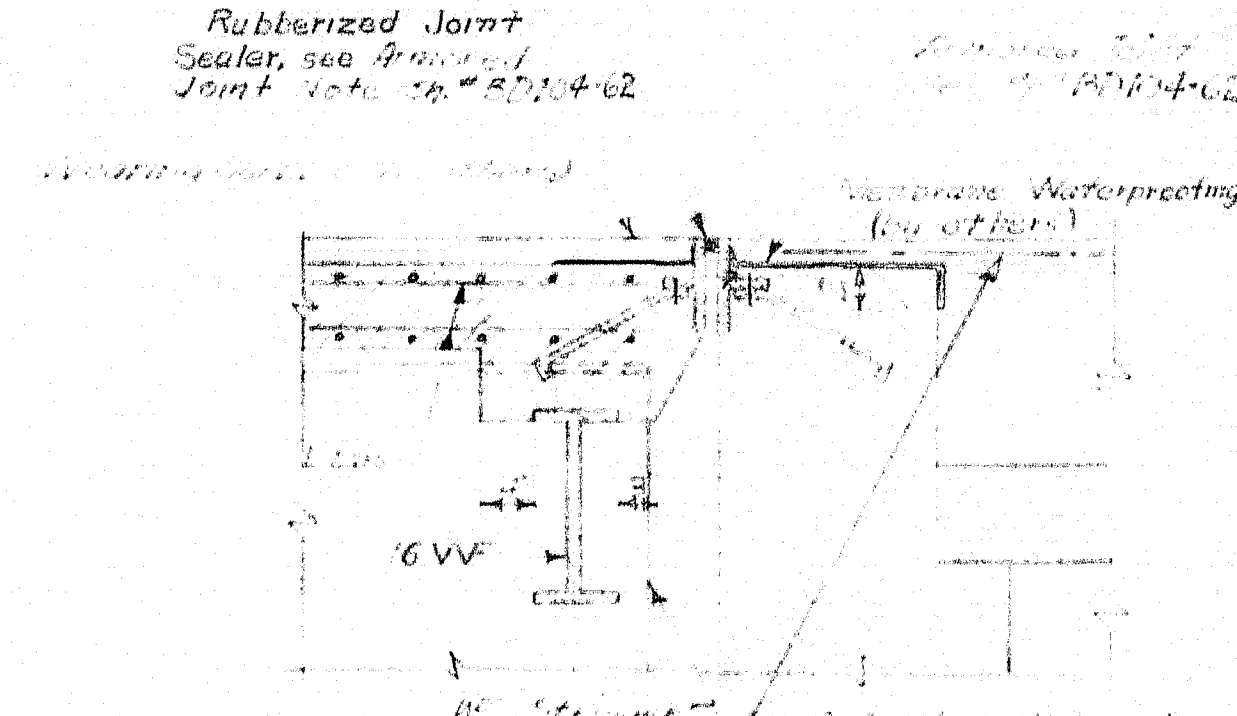
SECTION C-C



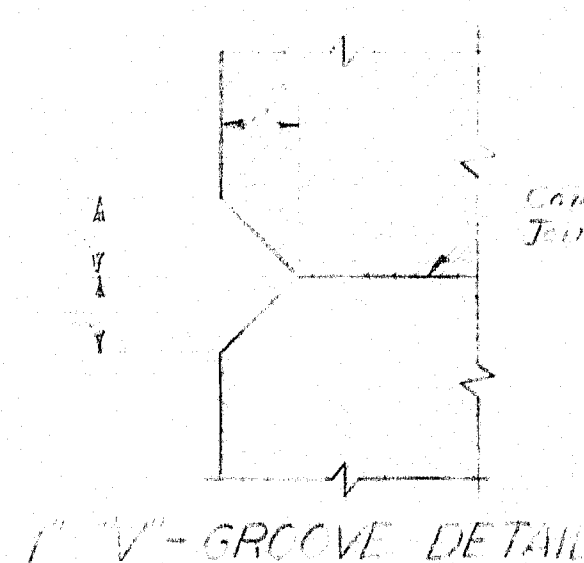
SECTION B-B



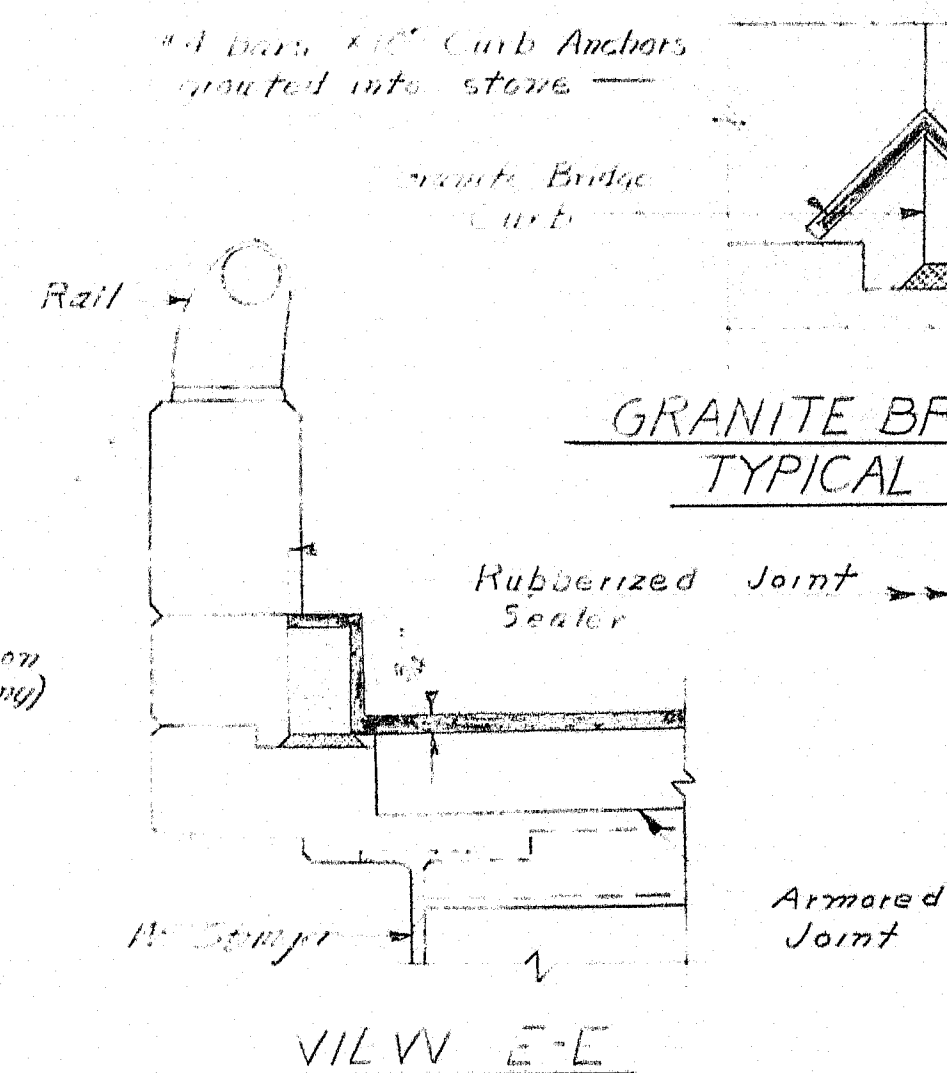
SECTION D-D



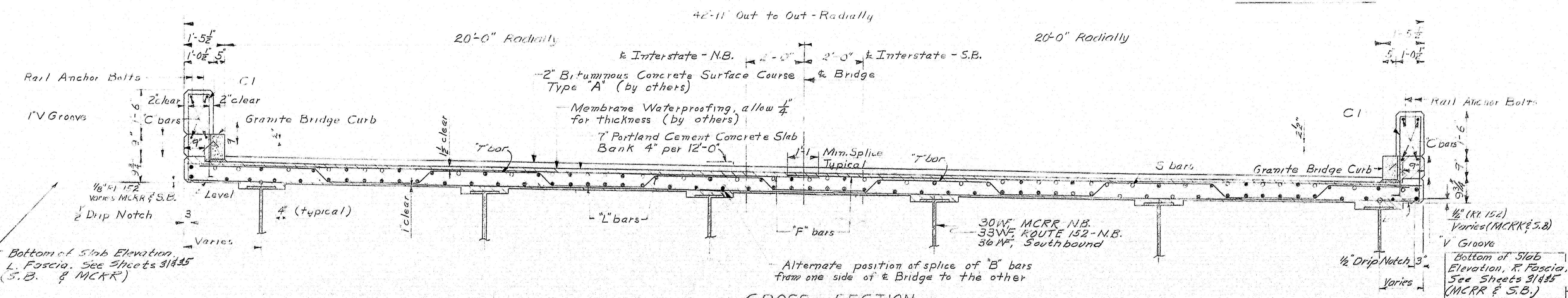
SECTION A-A



V-GROOVE DETAIL

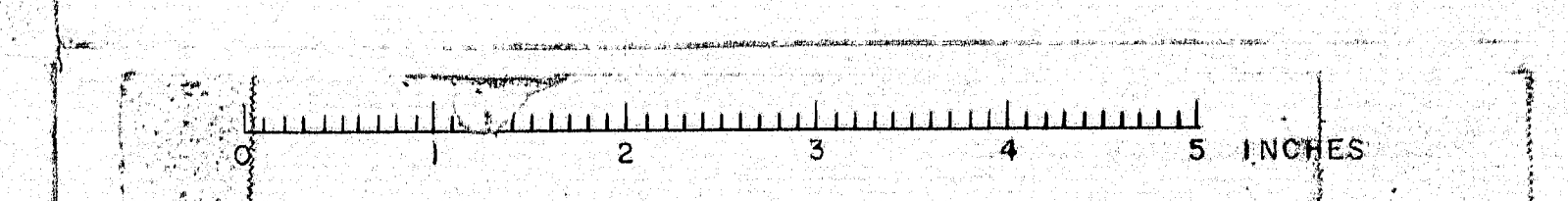


VILW E-E

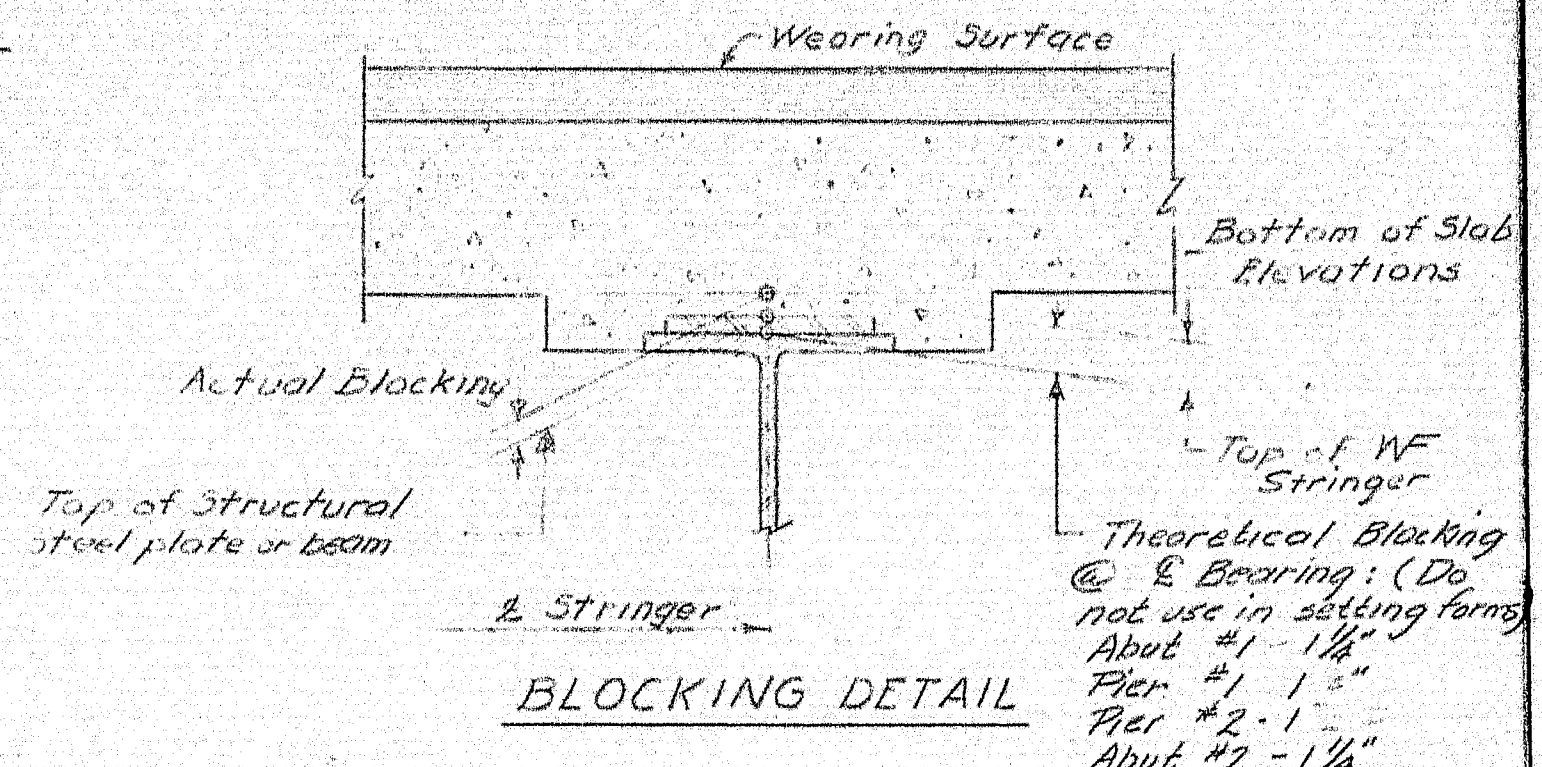
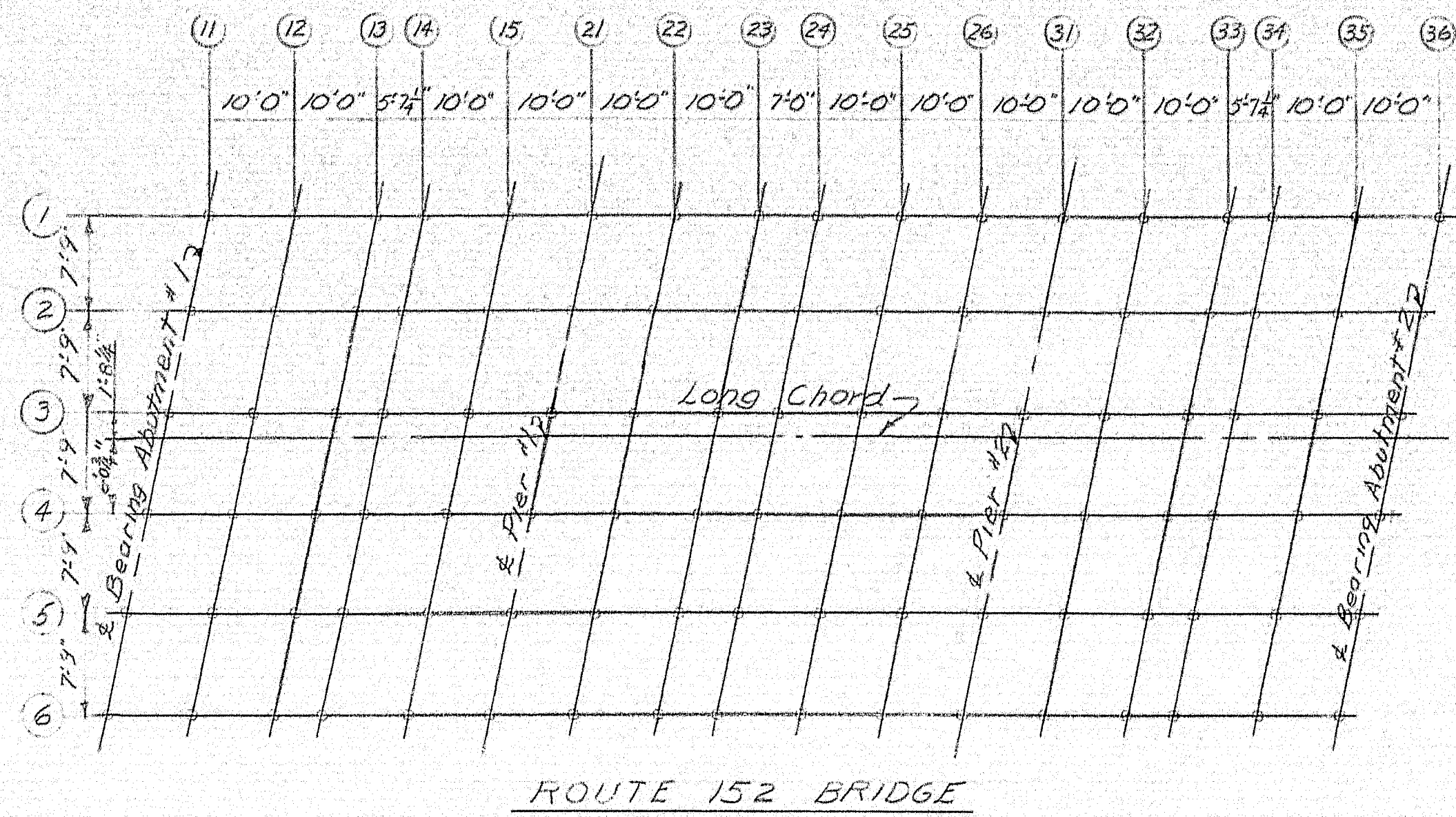
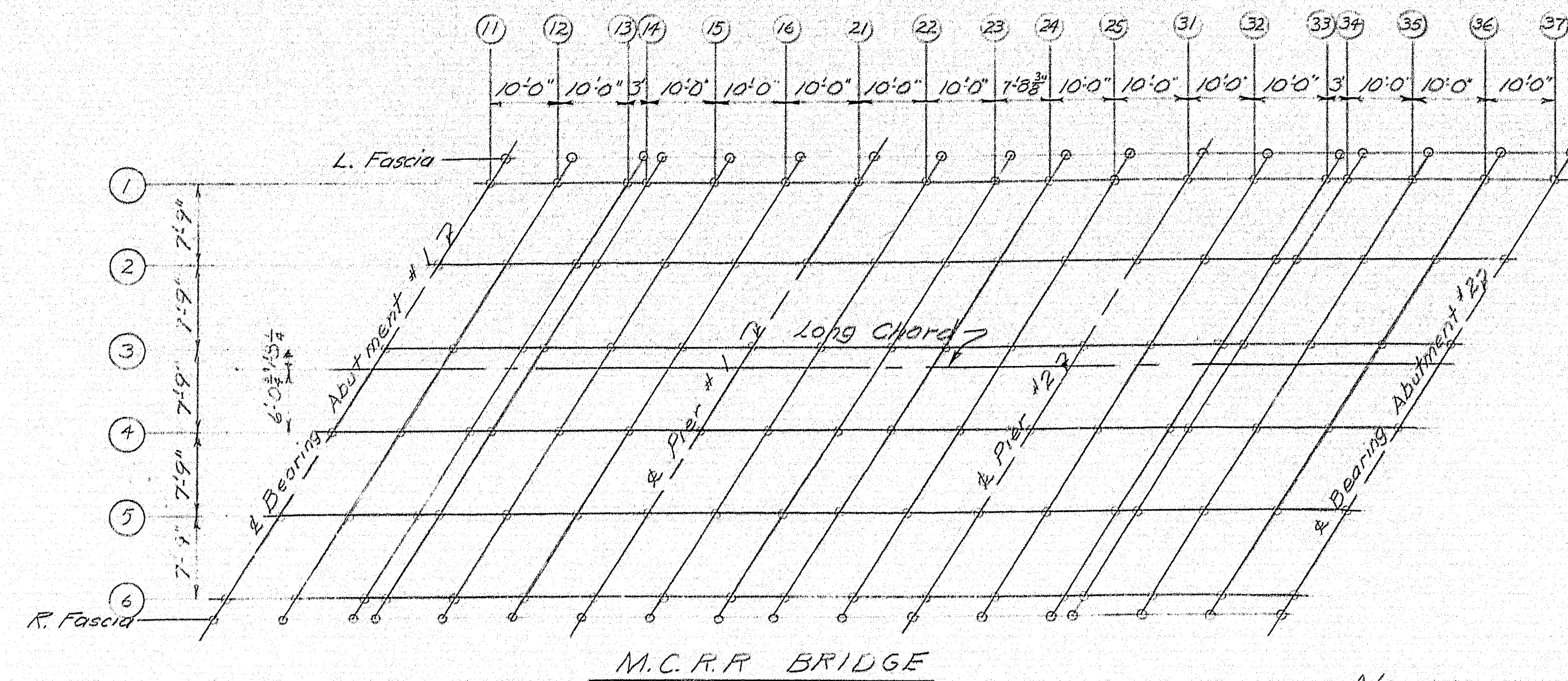


CROSS SECTION Looking Easterly

DESIGN - C.D.H. & P.W. SURVEY - L.E.C. CHECK -	BRIDGE NO. SURVEY - PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION INTERSTATE 95 OVER MAINE CENTRAL RAILROAD & ROUTE 152 IN THE TOWN OF PITTSFIELD SOMERSET COUNTY SUPERSTRUCTURE DETAILS SHEET 30 OF 41 AUGUSTA, MAINE DEC. 1962	







BLOCKING PLAN

*BOTTOM OF SLAB ELEVATIONS - MCRR																		
POINT	11	12	13	14	15	16	21	22	23	24	25	31	32	33	34	35	36	37
L. Fascia	262.05	262.05	262.05	262.01	261.96	261.89	261.81	261.75	261.69	261.63	261.54	261.46	261.39	261.32	261.29	261.18	261.06	260.92
1	262.06	262.05	262.05	262.02	261.97	261.90	261.82	261.76	261.70	261.65	261.56	261.48	261.41	261.34	261.31	261.21	261.10	260.96
2	261.87	261.86	261.84	261.83	261.78	261.71	261.64	261.58	261.53	261.47	261.39	261.31	261.25	261.18	261.15	261.05	260.94	260.81
3	261.67	261.67	261.65	261.63	261.60	261.53	261.46	261.40	261.35	261.30	261.22	261.14	261.08	261.02	260.99	260.89	260.79	260.65
4	261.47	261.47	261.45	261.44	261.40	261.34	261.27	261.22	261.17	261.12	261.05	260.97	260.91	260.85	260.82	260.73	260.63	260.50
5	261.26	261.27	261.25	261.25	261.21	261.17	261.09	261.04	260.99	260.93	260.87	260.80	260.74	260.68	260.66	260.57	260.47	260.34
6	261.06	261.07	261.05	261.05	261.02	260.96	260.90	260.85	260.81	260.76	260.69	260.63	260.57	260.51	260.49	260.41	260.31	260.10
R. Fascia	261.00	261.00	261.01	261.00	260.97	260.92	260.86	260.82	260.78	260.73	260.66	260.60	260.54	260.49	260.46	260.37	260.27	260.15

* BOTTOM OF SLAB ELEVATIONS - ROUTE 152																	
POINT	11	12	13	14	15	21	22	23	24	25	26	31	32	33	34	35	36
1	257.20	257.02	256.84	256.73	256.50	256.28	256.06	257.87	257.72	257.40	257.23	256.98	256.75	256.52	256.37	256.09	255.82
2	257.02	256.84	256.66	256.55	256.32	256.10	257.70	257.67	257.34	257.30	257.06	256.81	256.57	256.34	256.20	255.92	255.64
3	256.84	256.68	256.47	256.37	256.14	257.72	257.72	257.51	257.36	257.12	256.88	256.63	256.39	256.16	256.02	255.74	255.47
4	256.65	256.41	256.30	256.19	257.76	257.74	257.54	257.33	257.18	256.74	256.70	256.45	256.22	255.71	255.84	255.57	255.29
5	256.47	256.24	256.11	256.00	257.74	257.56	257.36	257.15	257.00	256.77	256.52	256.27	256.04	255.81	255.67	255.39	255.12
6	256.29	256.11	256.03	257.82	257.60	257.38	257.18	256.77	256.82	256.59	256.34	256.10	255.86	255.63	255.49	255.21	254.94

\* See Sheet 30 "Cross Section" for fascia information

