

STATE OF MAINE STATE HIGHWAY COMMISSION

PLAN AND PROFILE STATE HIGHWAY #80 BANGOR

PENOBSCOT COUNTY
FEDERAL AID PROJECT NO. 1-080-8(4) 179
STATE HIGHWAY #80 OVER BROADWAY

TOTAL LENGTH .109 MILES
PLAN 1 IN. = 50 FT. or As Noted
SCALES { PROFILE { HOR. 1 IN. = 50 FT.
VER. 1 IN. = 5 FT.
CROSS SECTIONS 1 IN. = 10 FT.

INDEX OF SHEETS

SHEET NO. 1	TITLE PAGE
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SHEET NO. 4-6	CROSS SECTIONS
SHEET NO. 7-14	BRIDGE
SHEET NO. 15	SPECIAL DETAILS
SHEET NO. 3 A	UTILITIES

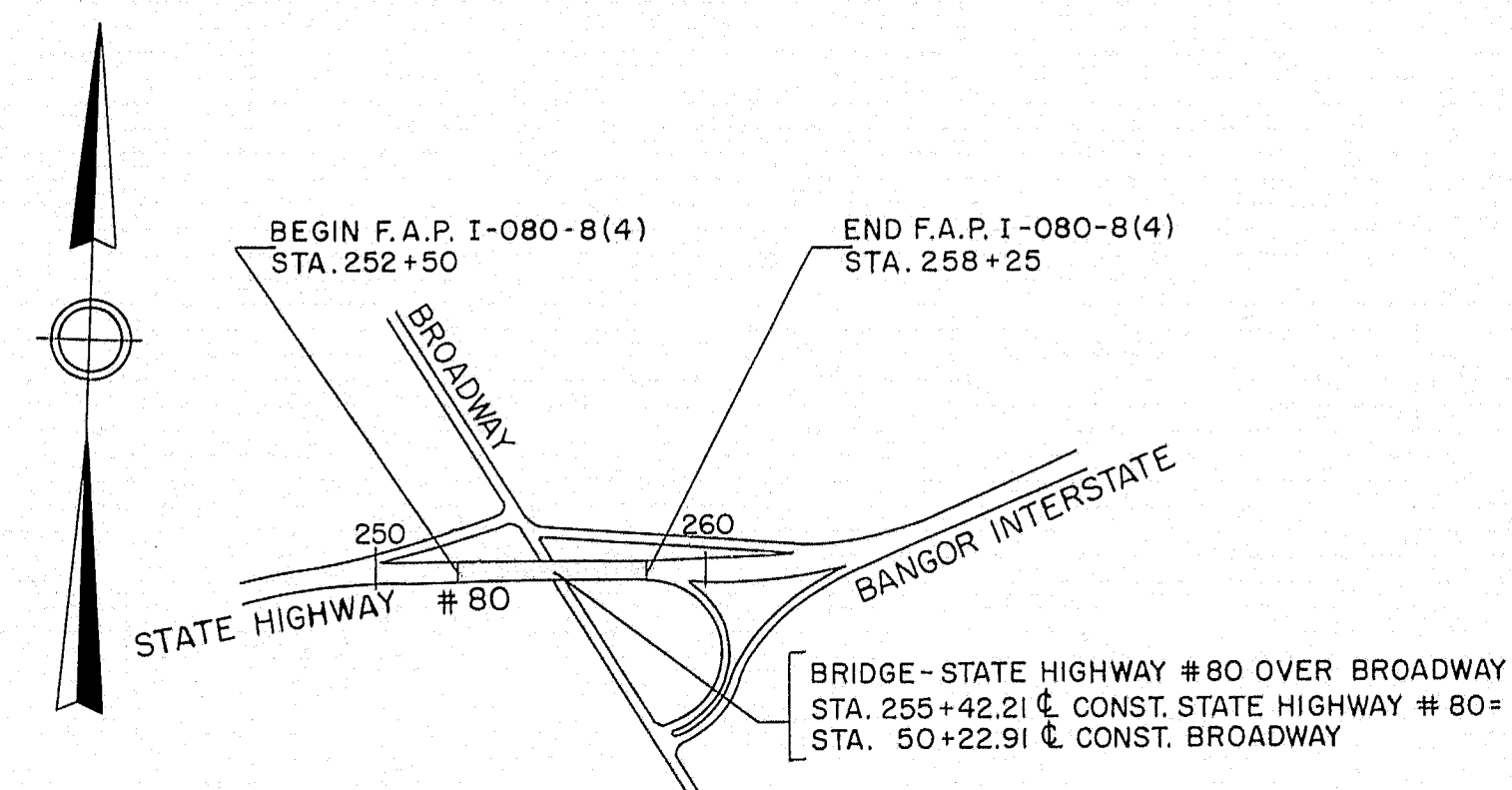
AS BUILT
1959

Notes:
1. Datum is Mean Sea Level.

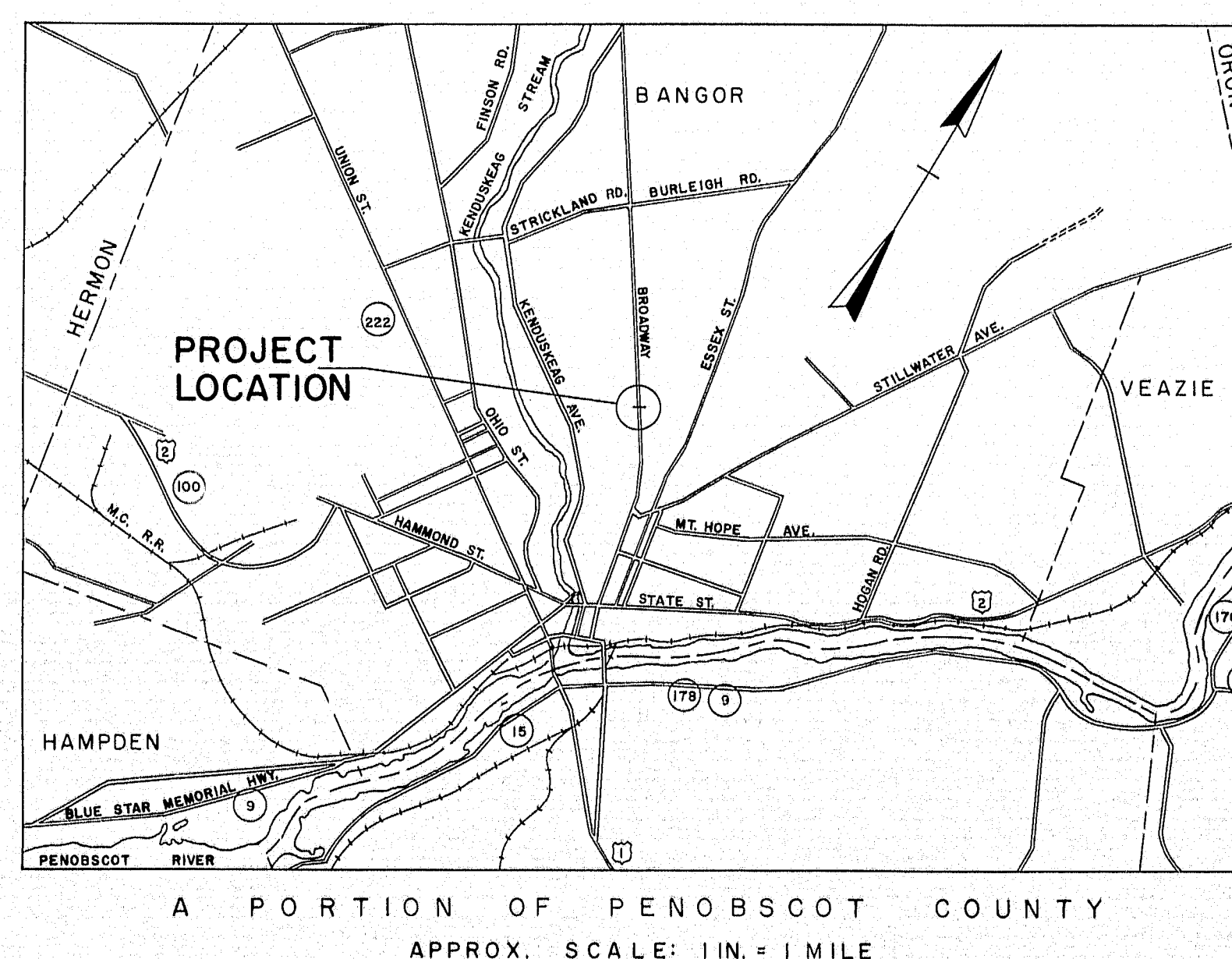
CONVENTIONAL SIGNS

STATE OR NATIONAL LINE	-----	SURVEY LINE	---S---S---
COUNTY LINE	-----	CULVERT	=====
TOWN LINE	-----	DROP INLET	=====
UNFENCED PROPERTY	-----	TROLLEY POLE	=====
FENCE	-x-x-x-	POWER POLE	=====
RIGHT OF WAY LINE	-----	TEL. POLE	=====
TRAVELED WAY	=====	MARSH	=====
RAILROAD	=====	TREES	=====
RETAINING WALL	=====	STONE WALL	=====

All work contemplated under this contract to be governed by and in conformity with the Standard Specifications, Highways and Bridges, revision of Jan. 1956, except as modified on these plans and by the Special Provisions.



LAYOUT PLAN
Scale: 1" = 600'



A.D.T. (1955) = 5,400
A.D.T. (1975) = 7,560
D.H.V. = 1,140
D = 60%
T = 10%
V = 60 M.P.H.

APPROVED:
MAINE STATE HIGHWAY COMMISSION
David W. Thomas
CHAIRMAN

Clarence S. Cross

Clarence S. Cross
CHIEF ENGINEER

CONSULTING ENGINEERS
THE CLARKESON ENGINEERING COMPANY, INC.
BOSTON
Clarence S. Cross
CONSULTING ENGINEER
MASS.
1/15/59
DATE

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
REGION I
APPROVED:

DIVISION ENGINEER

DATE

ESTIMATED QUANTITY			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201-5	CLEARING	.5	ACRE
202-5	REMOVING TREES (9"24")	7	EACH
202-6	REMOVING TREES (OVER 24")	6	EACH
204-14	STRUCTURAL EARTH EXCAVATION, PIERS	550	C.Y.
205-8	COMMON BORROW	20,000	C.Y.
302-7	GRAVEL BASE COURSE - IN PLACE MEASUREMENT	970	C.Y.
308-5	OVERHAUL (IN PLACE MEASURE)	1,600	YD. MILE
309-5	STRIPPING PITS	50	C.Y.
311-6	CALCIUM CHLORIDE	1	TON
701-33	PORTLAND CEMENT CONCRETE, ABUTMENT & RETAINING WALLS	410	C.Y.
701-35	PORTLAND CEMENT CONCRETE, PIERS	370	C.Y.
701-40	PORTLAND CEMENT CONCRETE, ROADWAY & SIDEWALK SLABS		
	ON STEEL BRIDGES	420	C.Y.
701-47	PORTLAND CEMENT	1,800	BBL'S.
702-103	STRUCTURAL STEEL, FABRICATED & DELIVERED	487,600	LBS.
702-104	STRUCTURAL STEEL ERECTION	487,600	LBS.
703-9	BRONZE OR COPPER-ALLOY BEARING & EXPANSION PLATES, DELIVERED	760	LBS.
703-10	BRONZE OR COPPER-ALLOY BEARING & EXPANSION PLATES, PLACING	760	LBS.
705-13	REINFORCING STEEL, DELIVERED	202,300	LBS.
705-14	REINFORCING STEEL, PLACING	202,300	LBS.
708-20	PILE LOADING TEST	1	EACH
709-5	BRIDGE DRAINAGE	1	L.S.
710-5	SHEAR CONNECTORS, DELIVERED & PLACING	1	L.S.
711-6	CAST IN PLACE CONCRETE PILES	6,220	L.F.
804-6	FRENCH DRAINS	230	C.Y.
807-15	ALUMINUM RAILING	310	L.F.
901-16	SLOPED GRANITE CURB (6"x7")	310	L.F.
905-37	GUARD RAIL - TYPE "E" - DOUBLE FACE	150	L.F.
914-6	PROJECT MARKERS	2	EACH
926-7	REMOVAL OR RAZING BUILDINGS NO. 19	1	EACH
926-8	REMOVAL OR RAZING BUILDING NO. 20	1	EACH
926-9	REMOVAL OR RAZING BUILDING NO. 23	1	EACH
926-10	REMOVAL OR RAZING BUILDINGS NO. 24	1	EACH
926-11	REMOVAL OR RAZING BUILDINGS NO. 27	1	EACH
926-12	REMOVAL OR RAZING BUILDING NO. 28	1	EACH
929-10	PORTABLE BARRICADES	2	EACH
933-6	SLOPE PAVING FOR BRIDGES	840	S.Y.

TREES REMOVED			
STATION	SIDE	SIZE	REMARKS
254+57	Rt. 55'	12"	APPLE
254+55	Rt. 55'	12"	APPLE
255+44	Rt. 50'	16"	ELM
255+55	Rt. 70'	14"	ELM
256+05	Rt. 40'	32"	ELM
256+19	Rt. 55'	30"	OAK
256+28	Rt. 70'	30"	ELM
253+90	Lt. 175'	18"	ELM
254+00	Lt. 150'	24"	ELM
254+50	Lt. 70'	25"	ELM
255+80	Lt. 25'	36"	ELM
256+30	Lt. 120'	11"	ELM
256+65	Lt. 70'	25"	ELM

CLEARING		
STATION TO STATION	SIDE	OFFSET
253+32 TO 253+71	Lt.	NOTE: 0' INDICATES E
257+00 TO 257+55	Lt.	0'-15' TO 22'-35'
257+65 TO 258+25	Lt.	60'-98' TO 0'-98'
253+05 TO 253+50	Lt.	0'-98' TO 0'-106'
253+50 TO 253+75	Lt.	140'-165' TO 155'-190'
253+75 TO 253+83	Lt.	155'-190' TO 200'
253+83 TO 254+30	Rt.	94' TO 68'-97'
256+56 TO 257+29	Rt.	68'-97' TO 84'-100'
257+55 TO 258+25	Rt.	90'-110' TO 45'-65'
		0'-15' TO 0'-15'

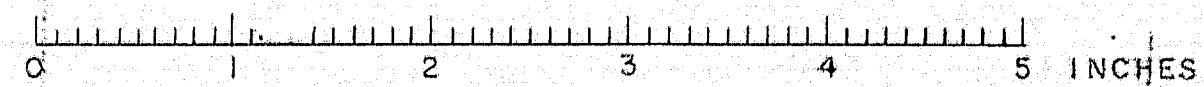
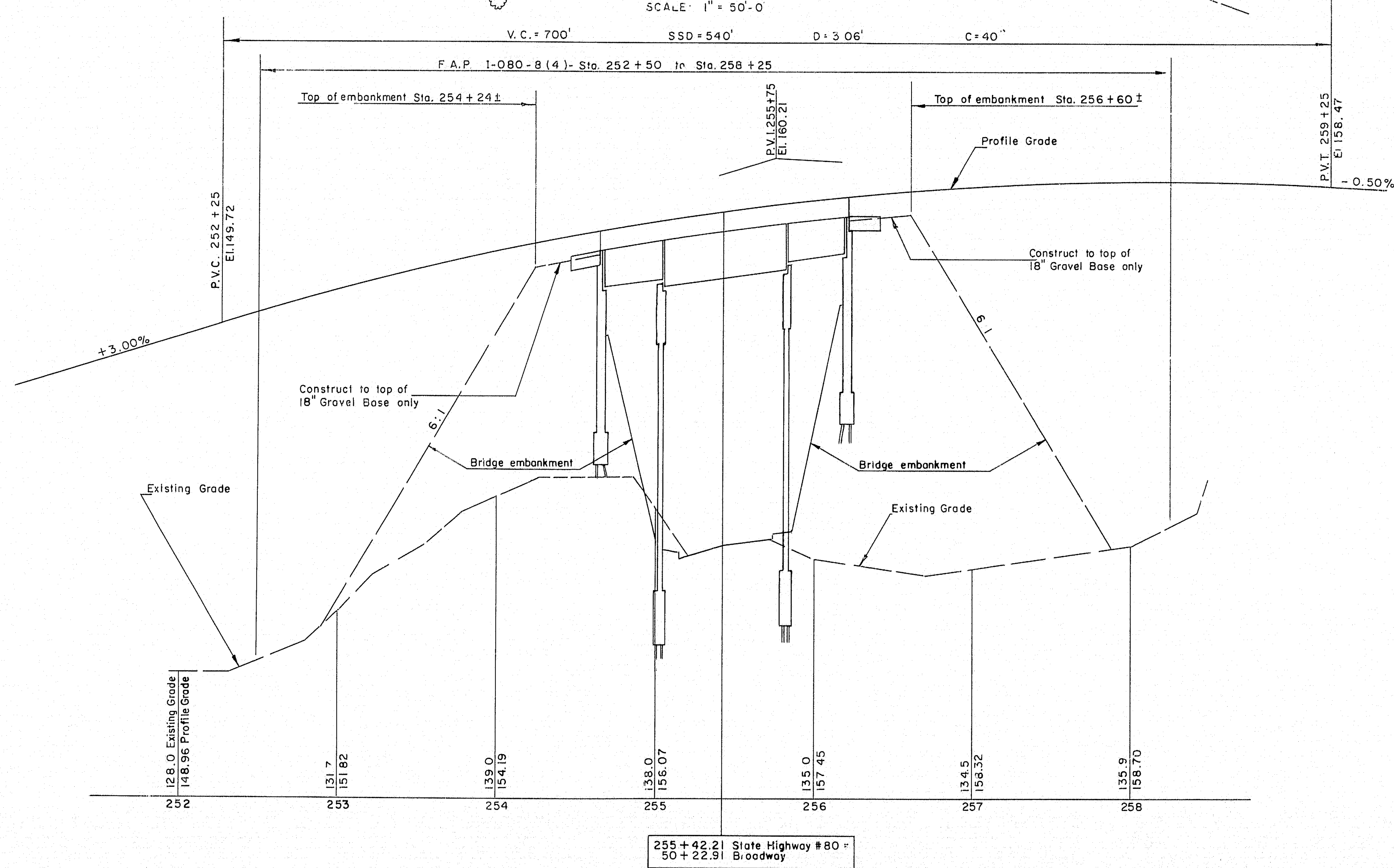
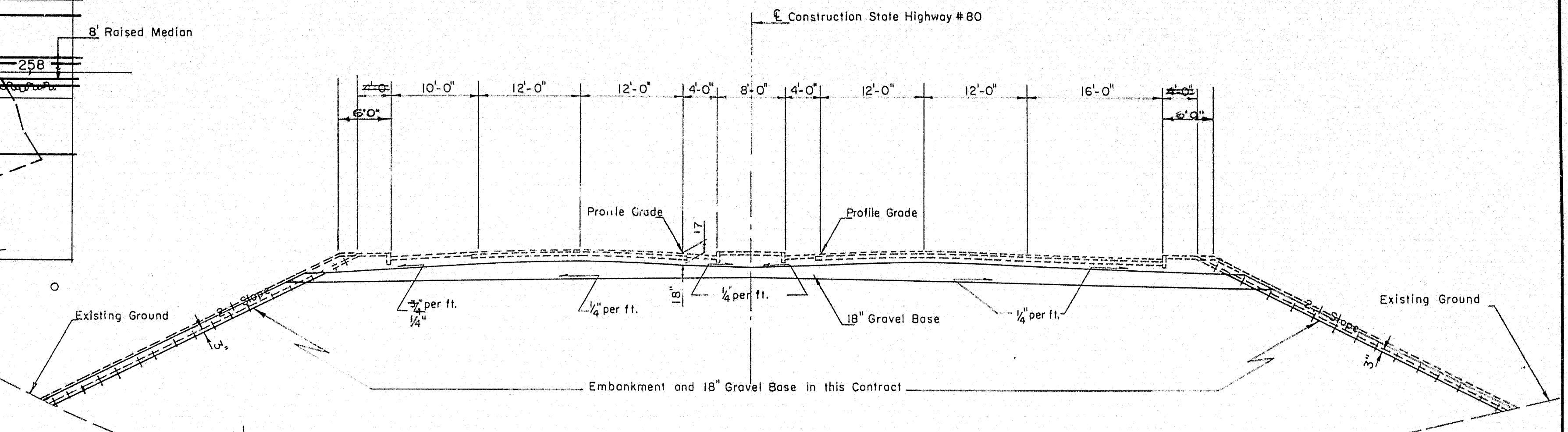
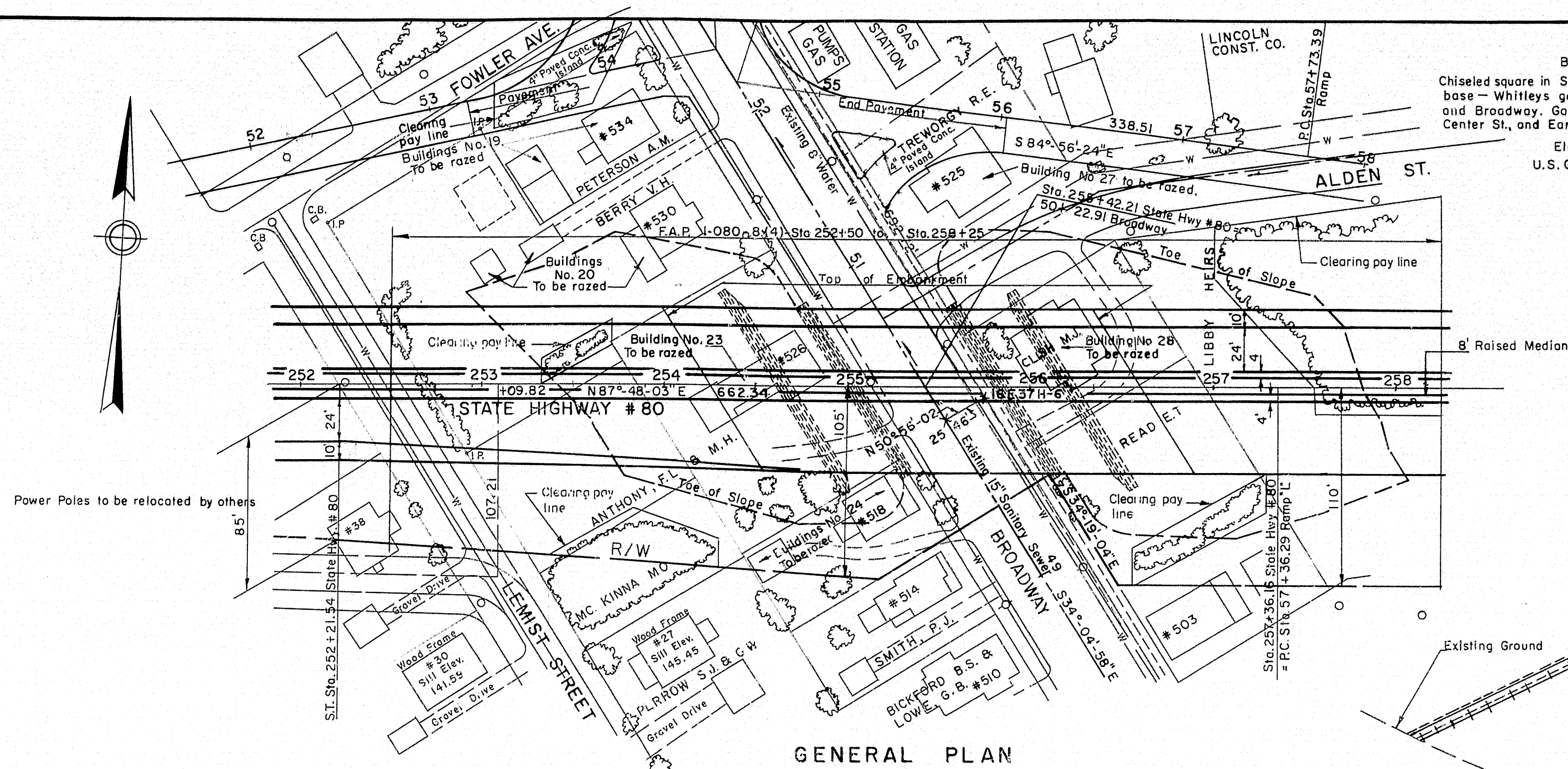
GRAVEL BASE	
STATION TO STATION	DESCRIPTION
254+24 TO 254+64	18" GRAVEL BASE
256+20± TO 256+60±	18" GRAVEL BASE
UNDER SLOPE	PAVING FOR BRIDGES

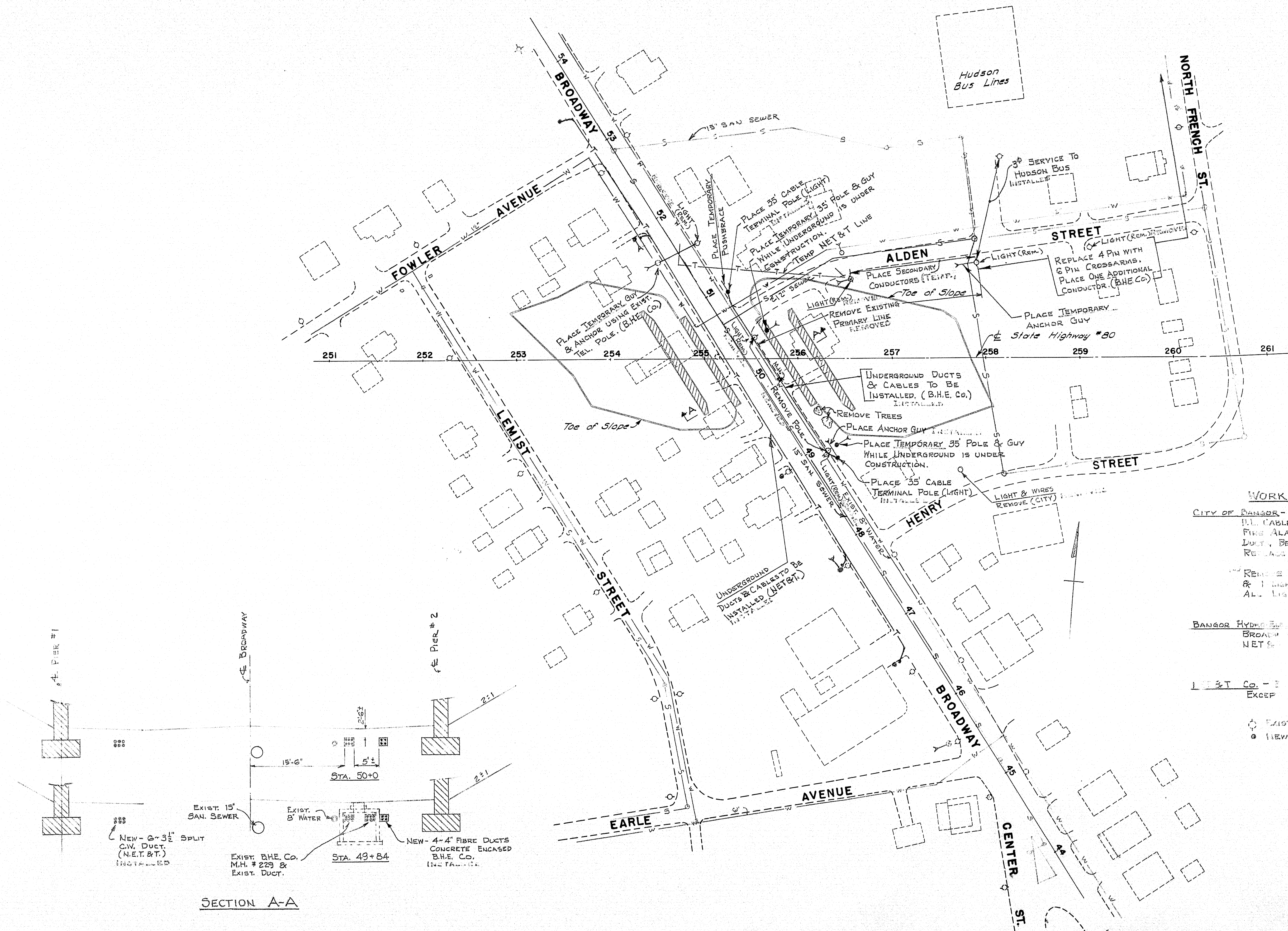
SUMMARY OF CLASSIFIED EXCAVATION AND BORROW	
UNLISTED CUT FROM STRUCTURAL EXCAVATION	550 C.Y.
TOTAL EXCAVATION	550 C.Y.
MINUS 5% UNSUITABLE MATERIALS	28
SUB-TOTAL	522 C.Y.
ESTIMATED EARTH SHRINKAGE FACTOR (15%)	78
AVAILABLE FILL FROM CROSS-SECTIONS	444 C.Y.
EARTH FILL REQUIRED FROM CROSS-SECTION	18,056 C.Y.
REQUIRED EARTH FILL	18,056 C.Y.
AVAILABLE FILL FROM CROSS-SECTION	444
BORROW NEEDED	17,612 C.Y.
TOTAL COMMON BORROW	20,000 C.Y.

B.P.R. REG. NO.	STATE	PROJECT NO.	SHEET	TOTAL SHEETS
1	MAINE	I-080-8 (4)	3	15

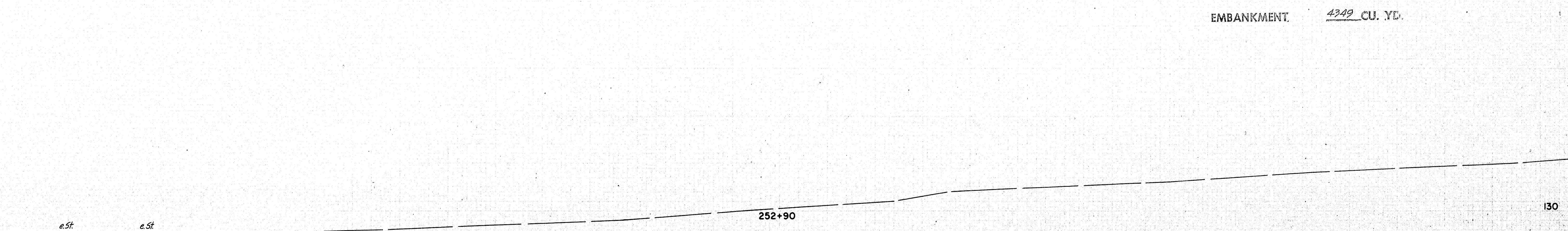
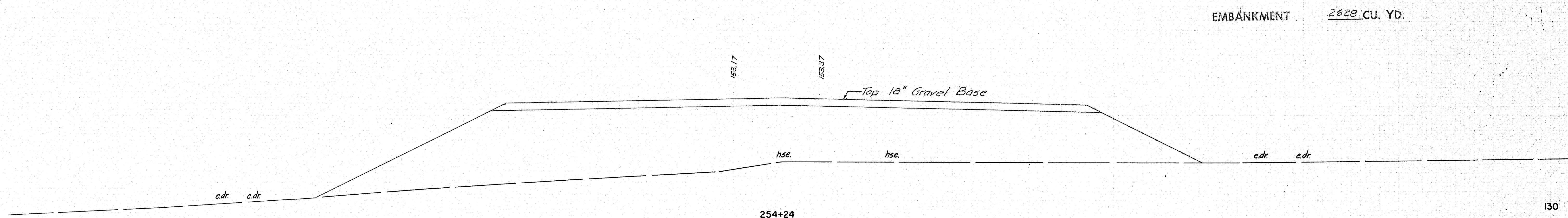
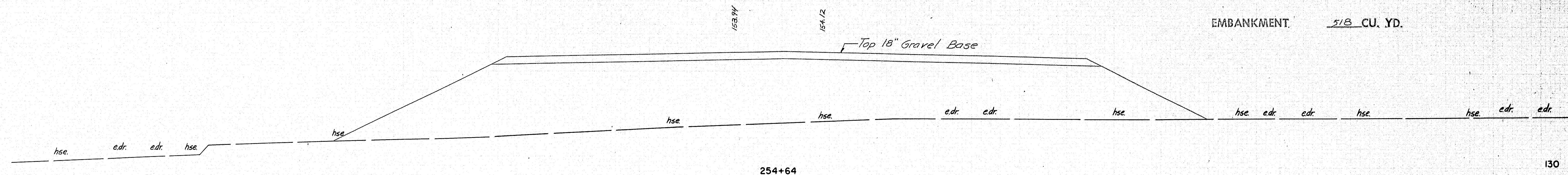
BANGOR INTERSTATE

B.M. S-18
Chiseled square in S.E. corner of east concrete post
base - Whitley's garage, 0.6 mile W. of Stillwell, Ave.
and Broadway, Garage at intersection of Broadway,
Center St., and Earl Ave.
Elev. 144.65
U.S. G. S. Datum



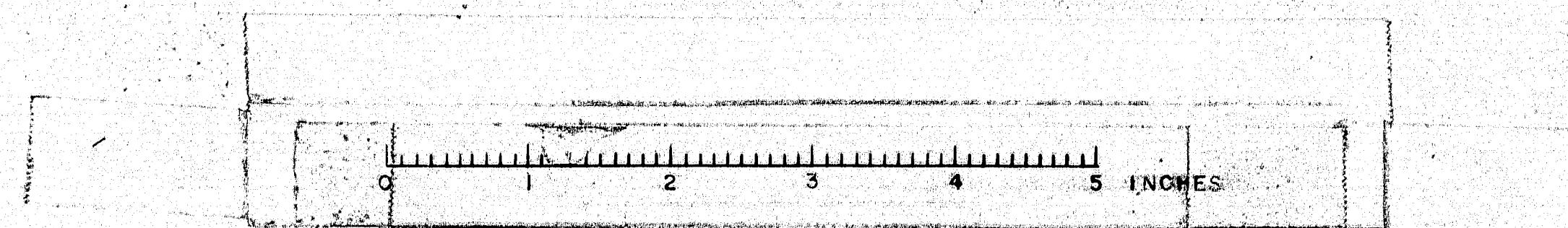


B. P. R. REG. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	1-080-8(4)	4	15

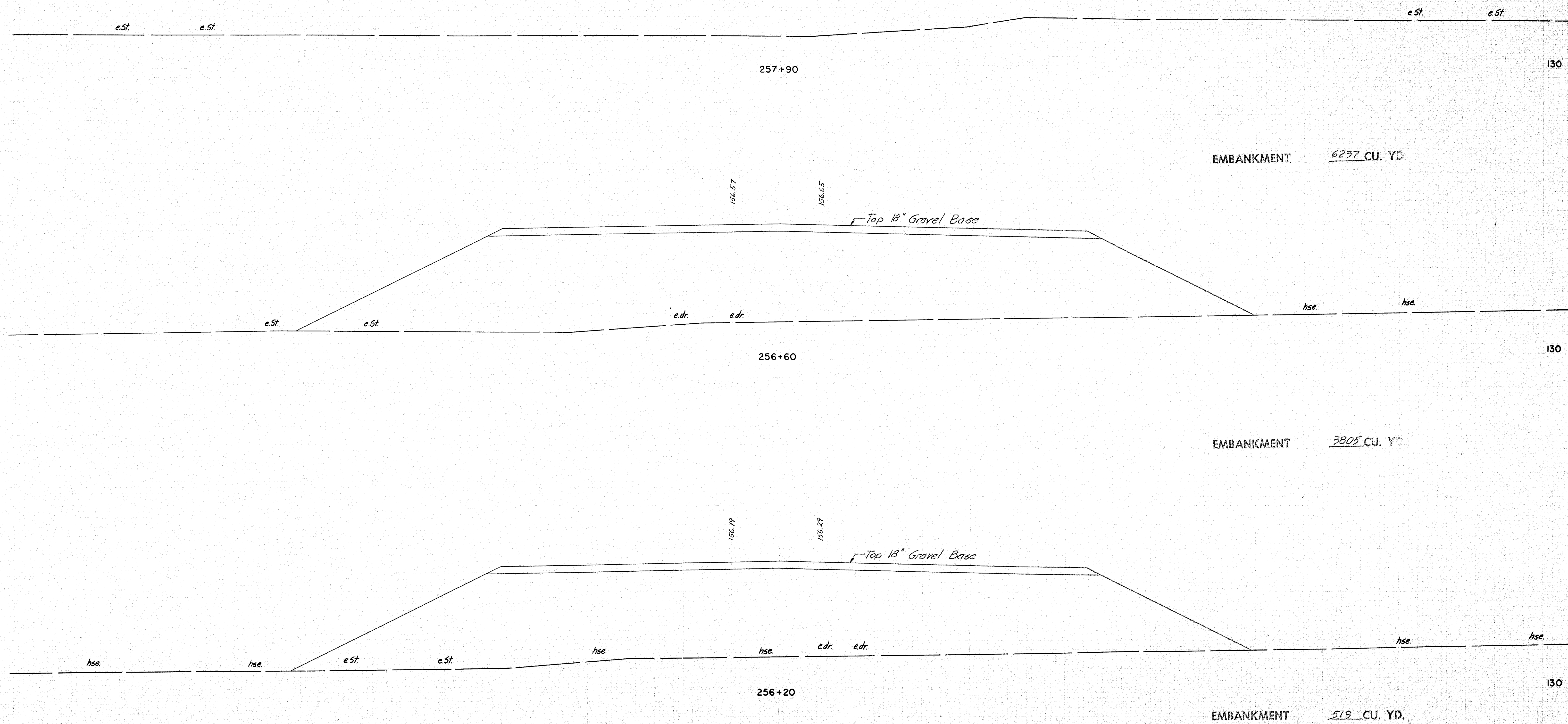


Note: All sections Skewed Back on Left 32° ±

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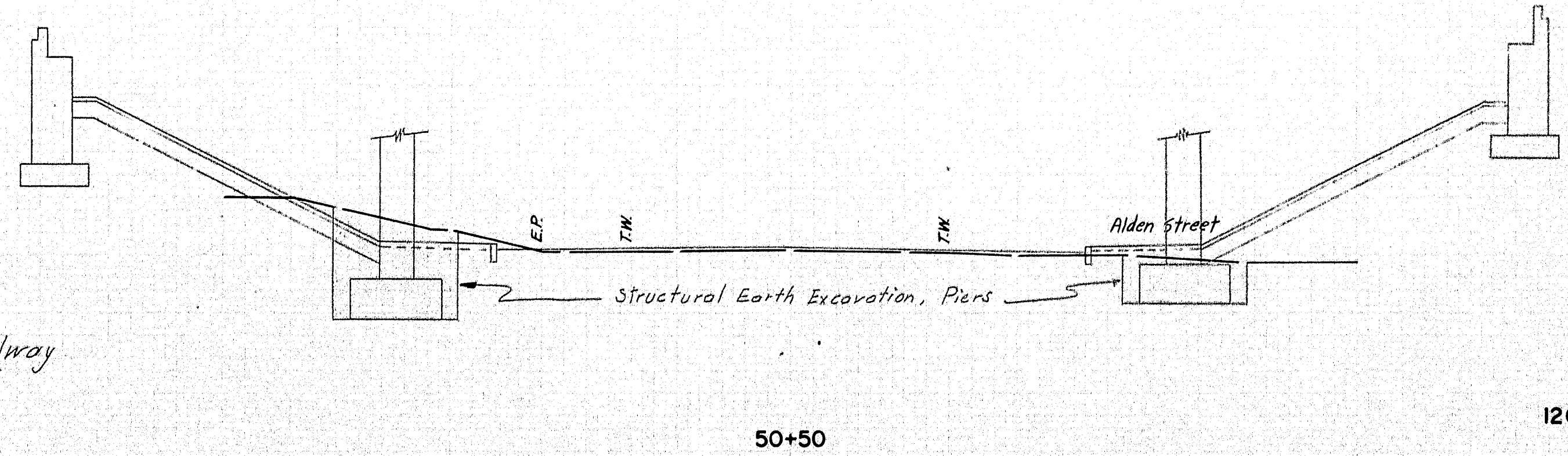
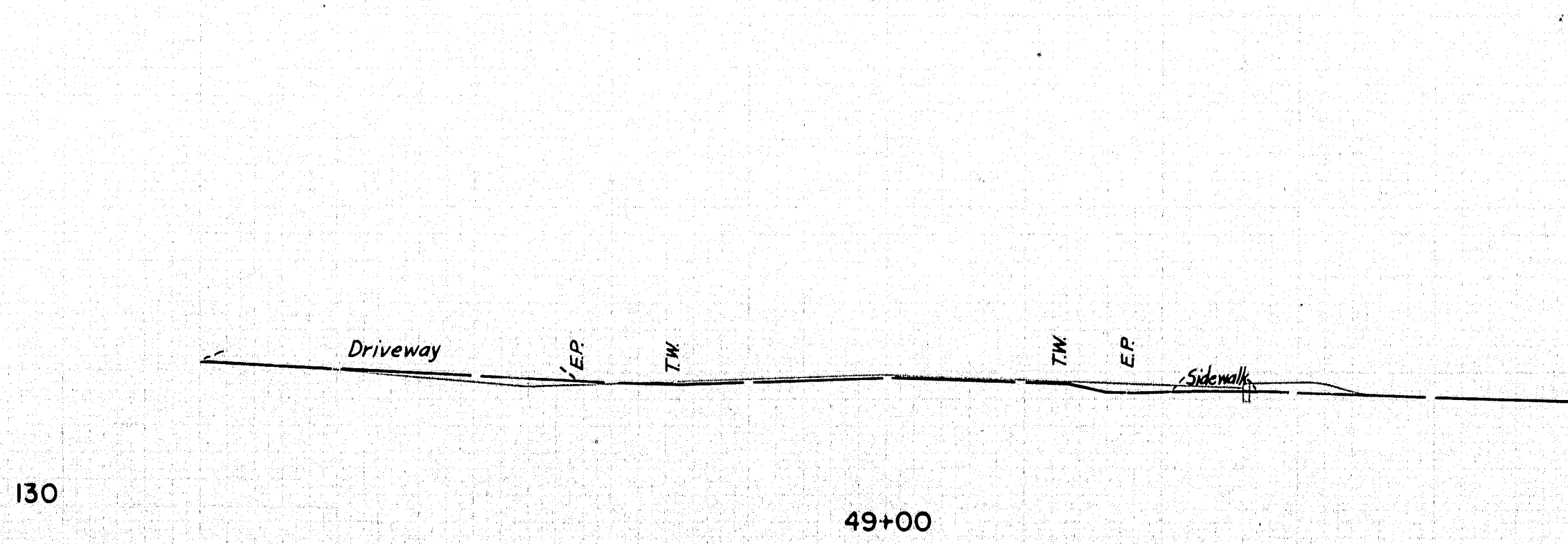
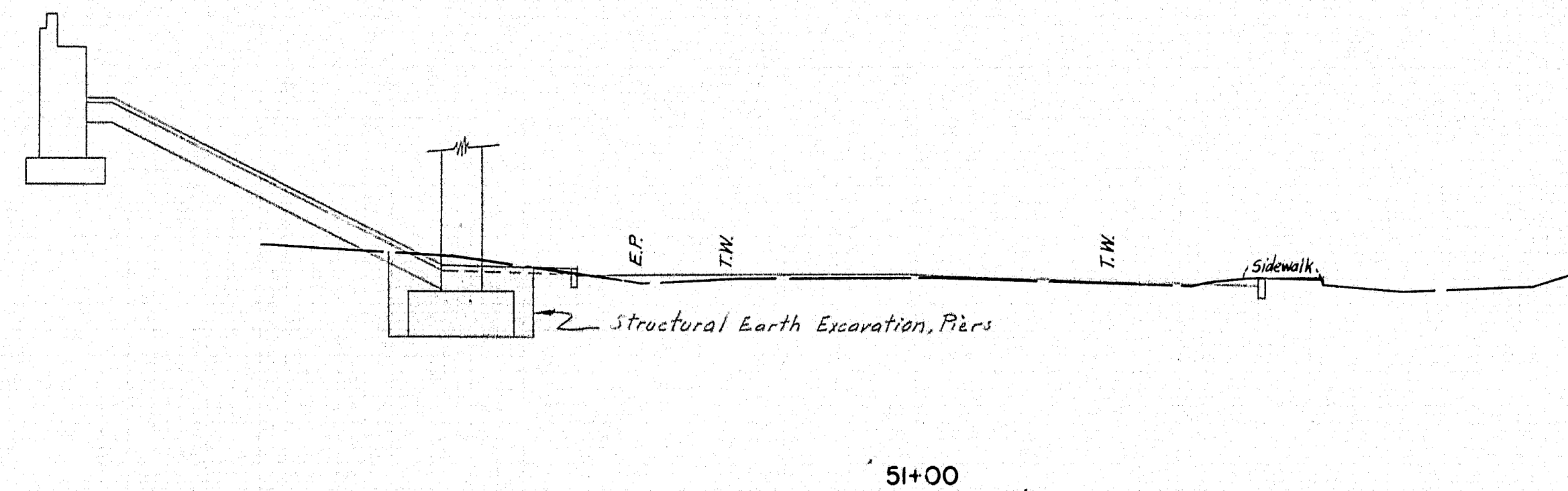
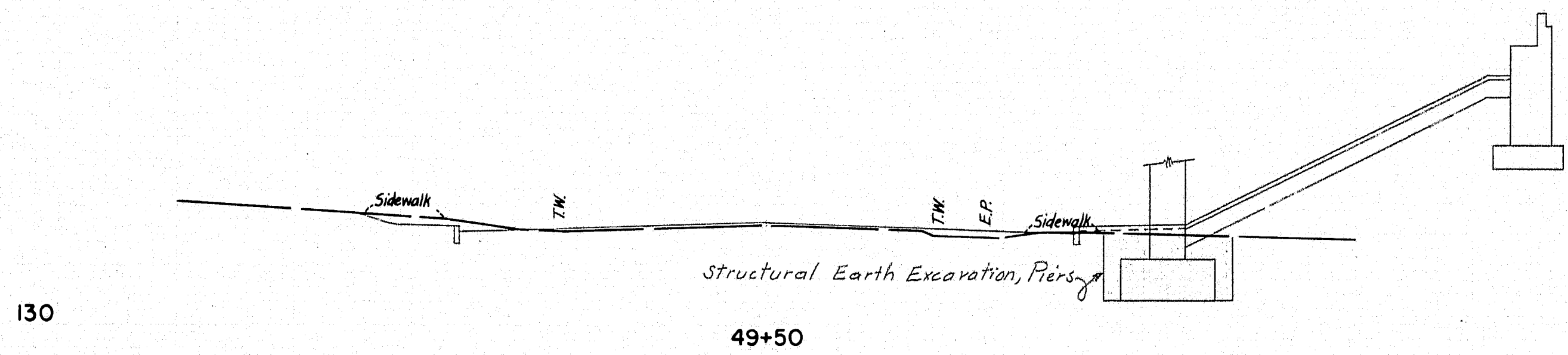
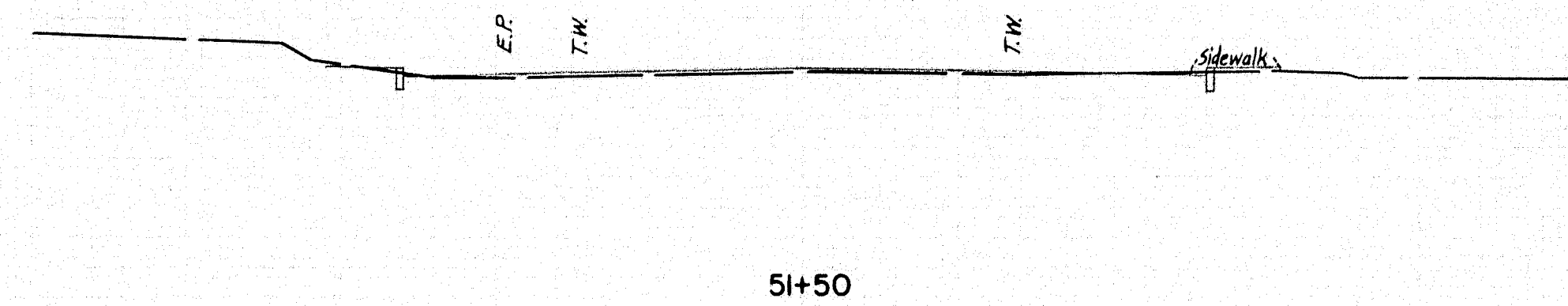
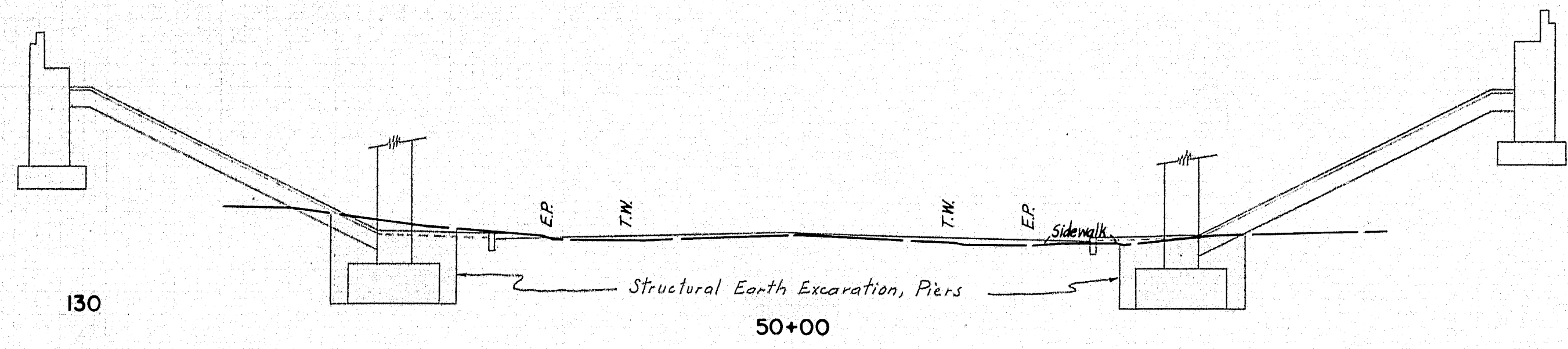
B. P. R. REG. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	1-080-8(4)	5	15



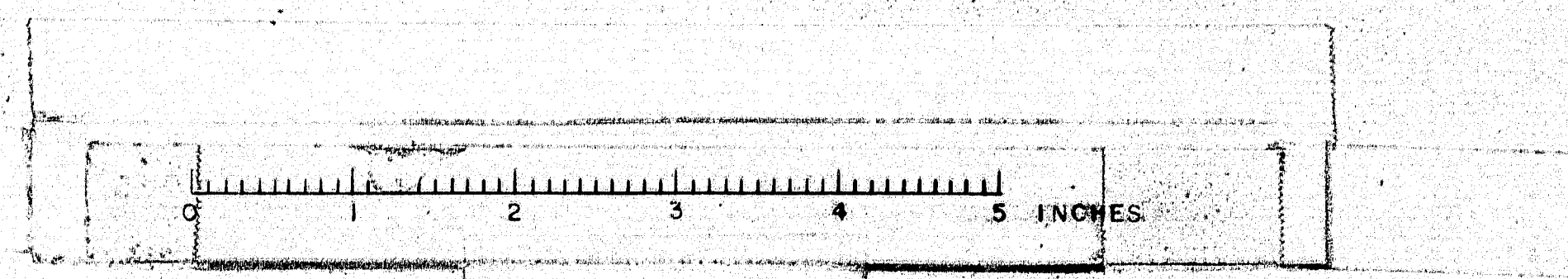
1/3-58
RMS
RMS

73-53

F. P. R. REG. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	I-080-8(4)	6	15



Note: Construction of Broadway not in this contract



B.P.R. REG. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	2-080-8(4)	7	15

BANGOR INTERSTATE

GENERAL NOTES

FOUNDATIONS:

Foundations may be altered, if necessary, to suit conditions encountered in construction.

DESIGN:

In accordance with the specifications of the American Association of State Highway Officials for H20-S16-44 loading (1953 Edition) modified for military requirements.

Design Stresses: Structural Steel 18,000 p.s.i.
Reinforcing Steel 18,000 p.s.i.
Concrete (n=10) 1,200 p.s.i.

CONSTRUCTION:

State of Maine Standard Specifications to be followed except as noted in Special Provisions.

REINFORCEMENT:

All bars shall have deformations conforming to A.S.T.M. Designation A 305.
Unless otherwise shown on plans, reinforcing bars shall be lapped 20 diameters to make a splice, except that main reinforcing bars near the top of slabs and beams having more than 12" of concrete under the bars shall be lapped 35 diameters to make a splice.

STRUCTURAL STEEL:

Wherever cover plates and/or shear connectors are welded to beams, beams and plates shall be structural weldable steel A.S.T.M. designation A-373.

BENCH MARK:

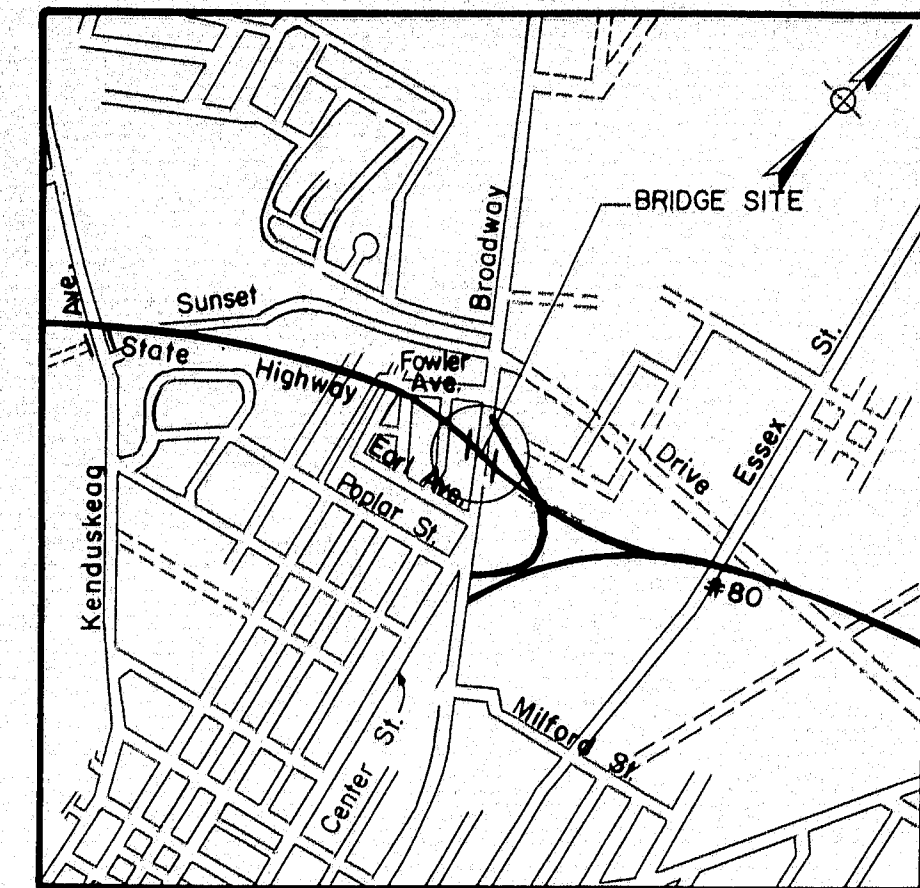
B.M. S-18 Chiseled square in S.E. Corner of east concrete post base - Whitley's Garage. 0.6 miles west of Stillwater Ave. and Broadway. Garage at intersection of Broadway, Center St., and Earl Ave. Elevation 144.65.
U.S.G.S. Datum

ESTIMATED QUANTITIES

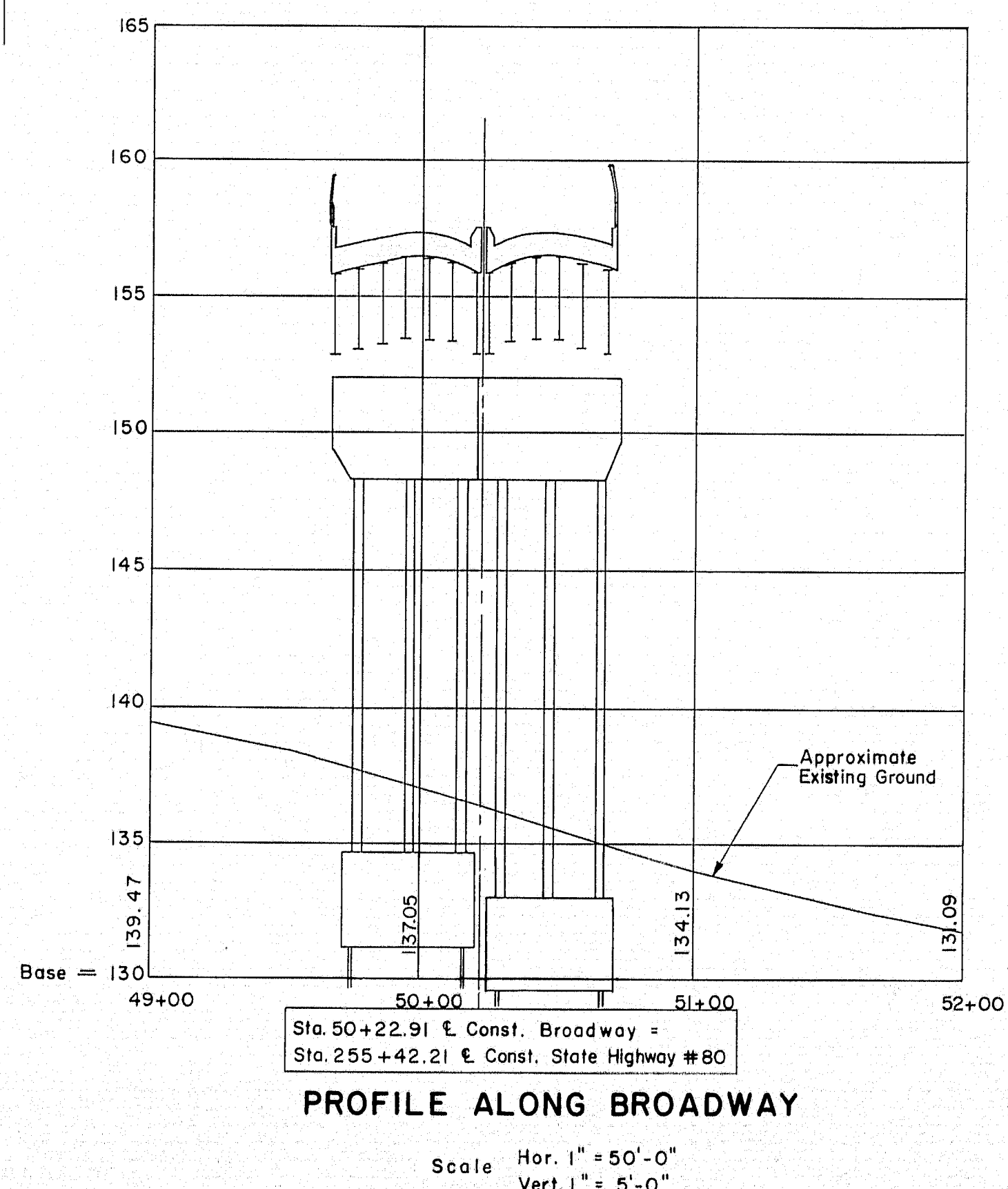
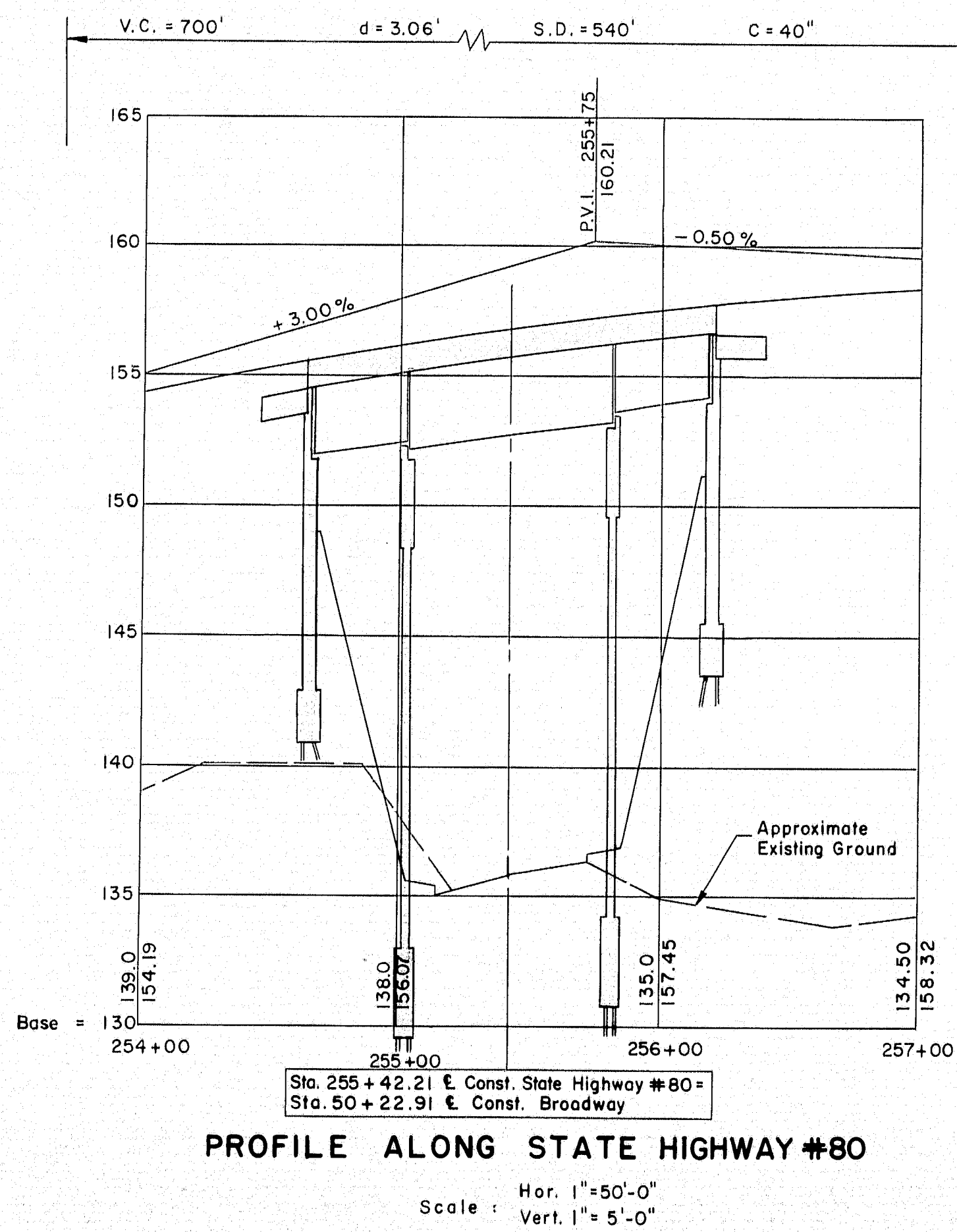
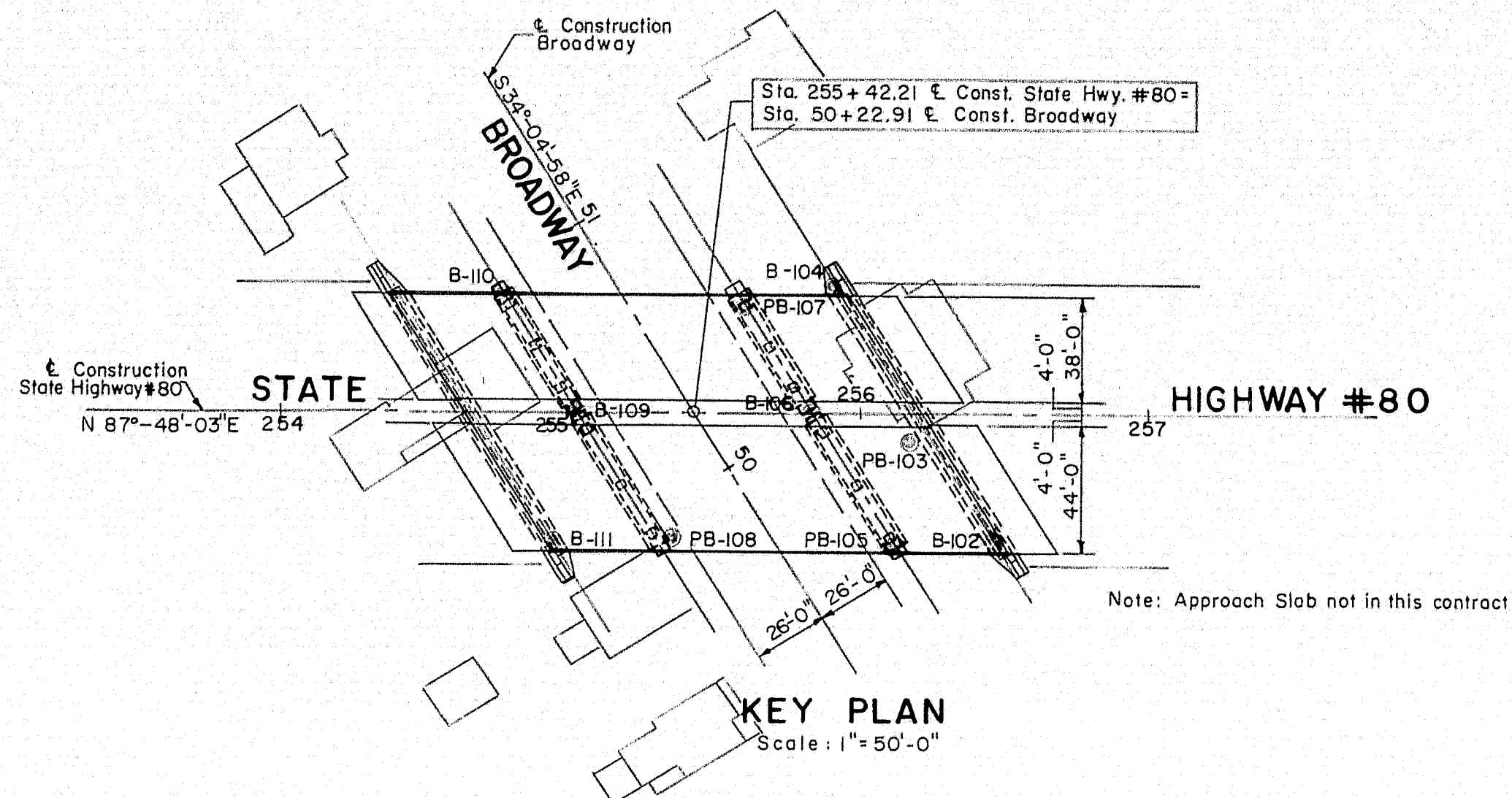
(NOT GUARANTEED)

STRUCTURAL EARTH EXCAVATION, PIERS	550	CU.YDS
GRAVEL BASE COURSE - IN PLACE MEASUREMENT	420	CU.YDS
BITUMINOUS CONCRETE SURFACE COURSE, TYPE "A"	170	TONS
MEMBRANE WATERPROOFING (3 PLY)	1430	SQ.YDS
PORTLAND CEMENT CONCRETE, ABUTMENTS AND RETAINING WALLS	410	CU.YDS
PORTLAND CEMENT CONCRETE, PIERS	370	CU.YDS
PORTLAND CEMENT CONCRETE, ROADWAY AND SIDEWALK		
SLABS ON STEEL BRIDGES	420	CU.YDS
PORTLAND CEMENT	1800	BBLs
BRIDGE DRAINAGE	1	LUMP SUM
STRUCTURAL STEEL, FABRICATED AND DELIVERED	487600	LBS
STRUCTURAL STEEL, ERECTION	487600	LBS
BRONZE OR COPPER-ALLOY BEARING AND EXPANSION		
PLATES, DELIVERED	760	LBS
BRONZE OR COPPER-ALLOY BEARING AND EXPANSION		
PLATES, PLACING	760	LBS
REINFORCING STEEL, DELIVERED	202300	LBS
REINFORCING STEEL, PLACING	202300	LBS
SHEAR CONNECTORS, DELIVERED AND PLACED	1	LUMP SUM
PILE LOADING TEST	1	EACH
CAST IN PLACE CONCRETE PILES	6220	LIN.FT.
FRENCH DRAINS	230	CU.YDS
ALUMINUM RAILING	310	LIN.FT.
SLOPED GRANITE CURB (6"x 7")	310	LIN.FT.
SLOPED PAVING FOR BRIDGES	840	SQ.YDS
GUARD RAIL - TYPE "E" - DOUBLE FACE	150	LIN.FT.

Not in this contract



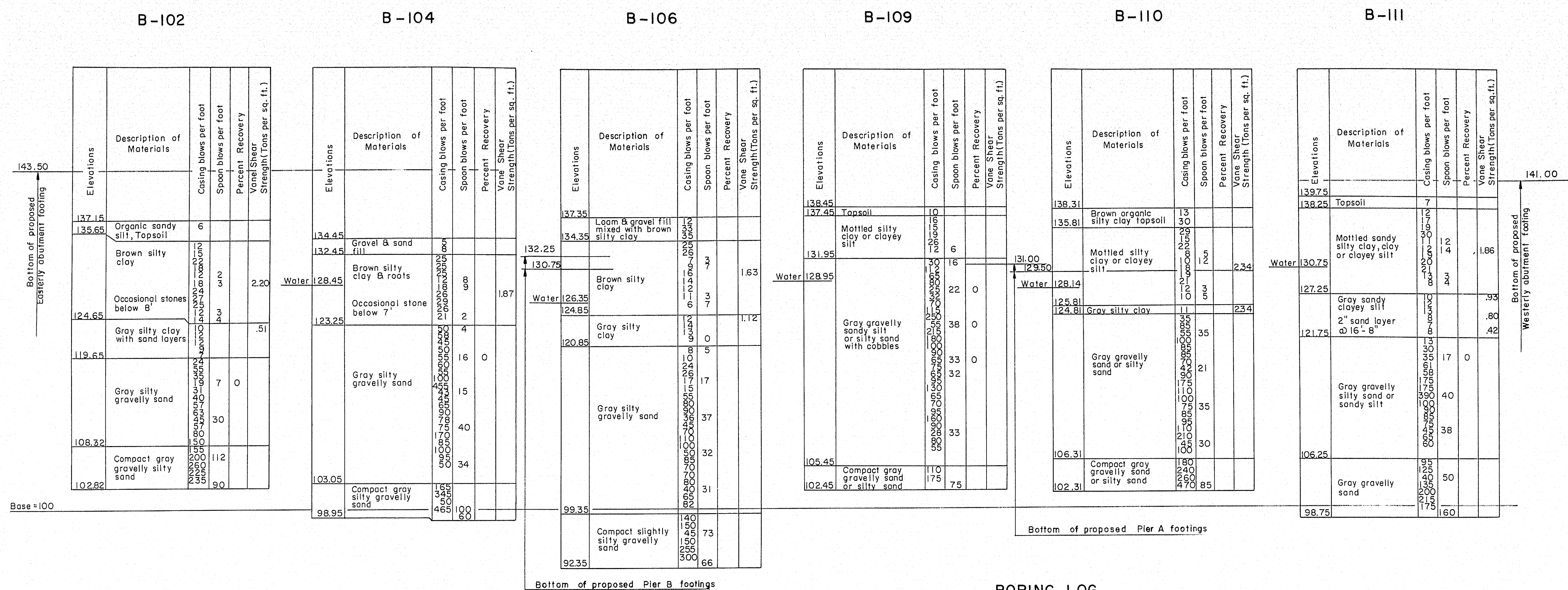
LOCATION MAP
No Scale



APPROVED BY *[Signature]* DATE 1/13/58
THE CLARKSON ENGINEERING CO., INC.
CONSULTING ENGINEERS

BOSTON MASSACHUSETTS SHEET 1 OF 8 AUGUSTA, MAINE

DESIGN DRAWN D.A.T., P.W.G. CHECK H.P. APPROVED WAH S.J.M. BRIDGE NO. SURVEY PLOT
STATE HIGHWAY COMMISSION
STATE HIGHWAY # 80
OVER
BROADWAY
IN THE CITY OF
BANGOR
PENOBSCOT COUNTY
KEY PLAN & PROFILES



BORING LOG

Scale: 1/8" = 1' - 0"

NOTES:

1. Location of borings are shown on Key Plan thus B-102 punchings are shown on Key Plan thus PB-103.
2. Borings and punchings are taken for the purpose of design and show condition at boring and punching points only, but do not necessarily show nature of materials to be encountered during construction.
3. The Contractor is to form his own opinion of the character of the materials, and to make his own interpretation of the borings and punchings.
4. The Engineer does not warrant the findings as being accurate or complete.
5. Figures in boring columns indicate blows per foot on 2 1/2" casing or 1" spoon produced by a 308# hammer with a fall of 16" and 14" respectively.
6. Figures in punching columns indicate blows per foot on "A" rods produced by a 308# hammer with a fall of 14".
7. Borings and punchings were taken by the Maine State Highway Commission during the month of June 1957.

Elev.	Depth in Feet	No. of Blows
137.15	0	7
130.0	1	11
120.0	2	11
110.0	3	11

Elev.	Depth in Feet	No. of Blows
137.15	0	4
130.0	1	11
120.0	2	11
110.0	3	11

Elev.	Depth in Feet	No. of Blows
134.1	0	8
130.0	1	11
120.0	2	11
110.0	3	11

Elev.	Depth in Feet	No. of Blows
138.1	0	10
130.0	1	11
120.0	2	11
110.0	3	11

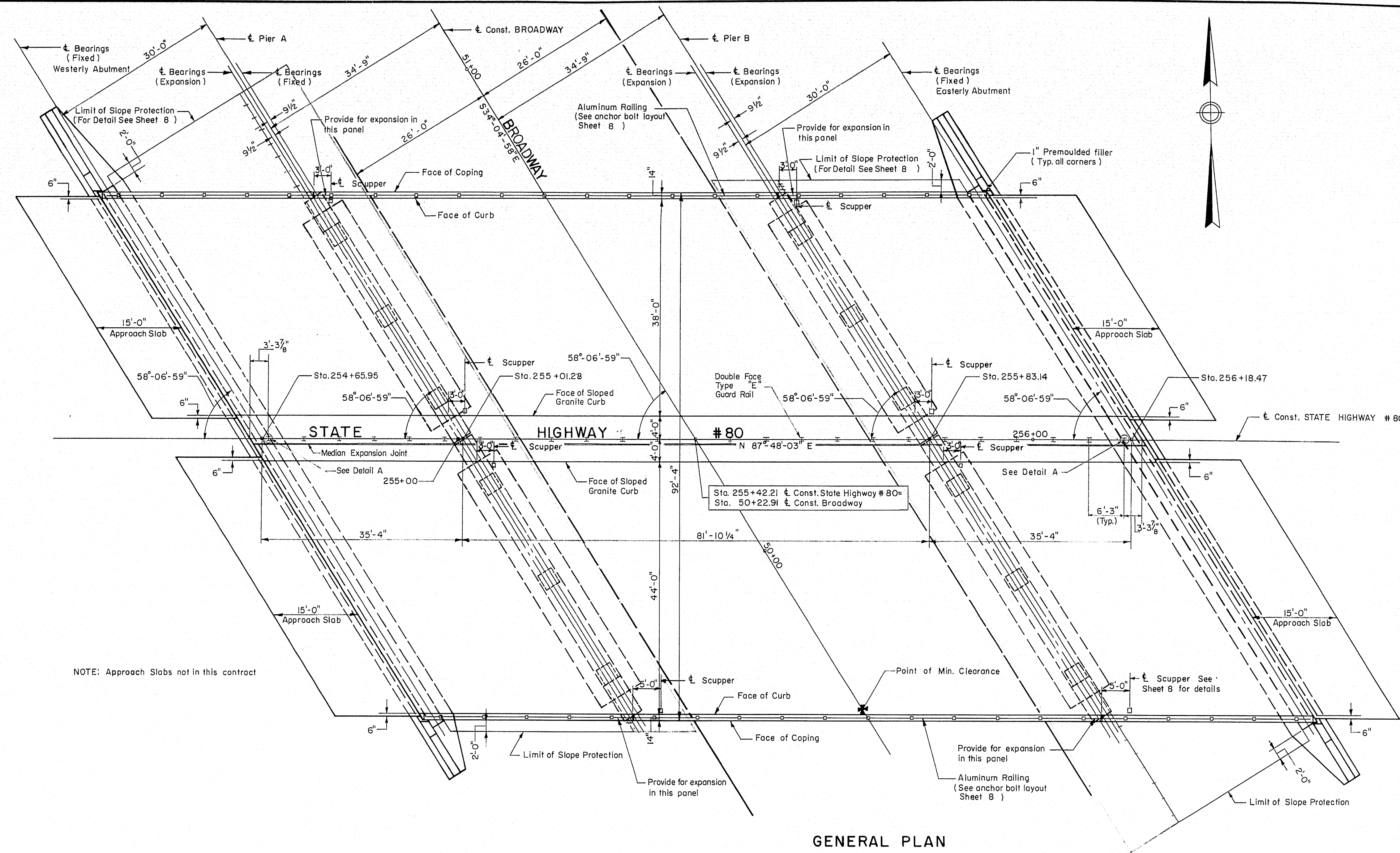
PUNCHING LOG

Not to Scale

THE CLARKESON ENGINEERING CO., INC.		
DESIGN	CHECK H.R.	BRIDGE NO.
DRAWN V.C.S.	APPROVED C.J.M.	SURVEY PLOT
STATE HIGHWAY COMMISSION		
STATE HIGHWAY #80		
OVER		
BROADWAY		
IN THE CITY OF		
BANGOR		
PENOBSCOT COUNTY		
BORING DATA		
SHEET 2 OF 8 AUGUSTA, MAINE		

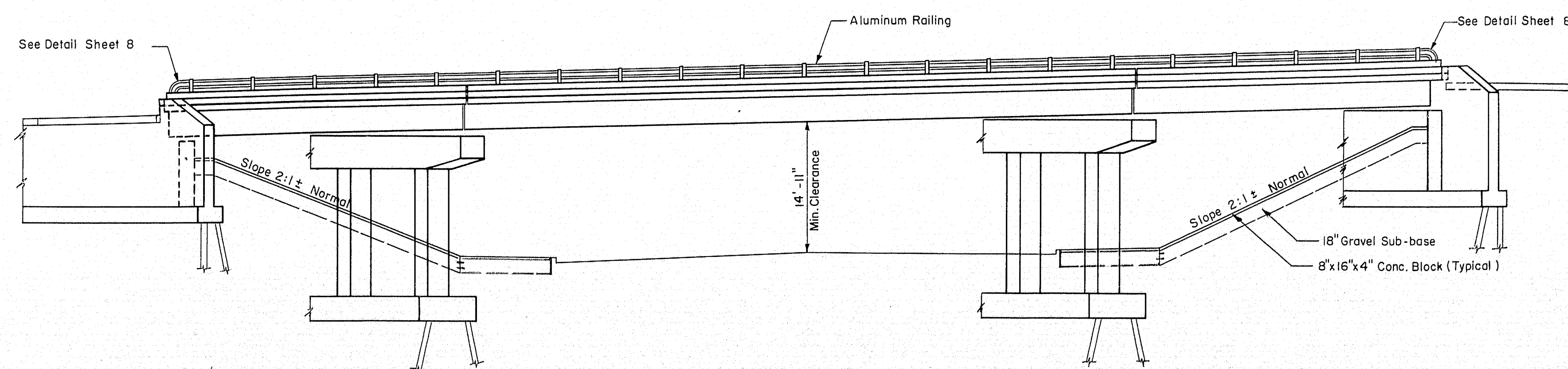
S.P.R. REG. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	I-080-8(4)	9	15

BANGOR INTERSTATE



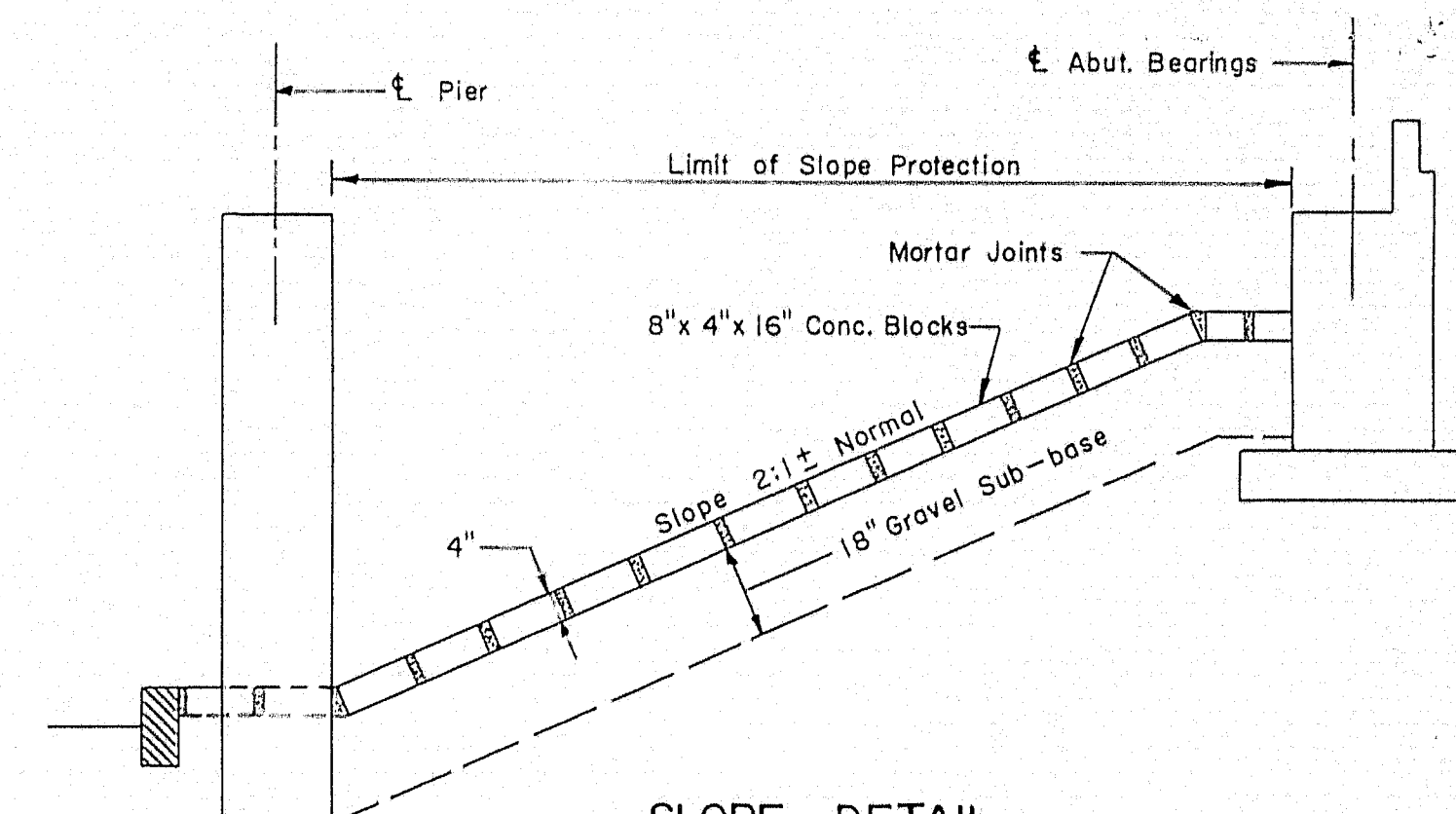
GENERAL PLAN

Scale: 3/32" = 1'-0"



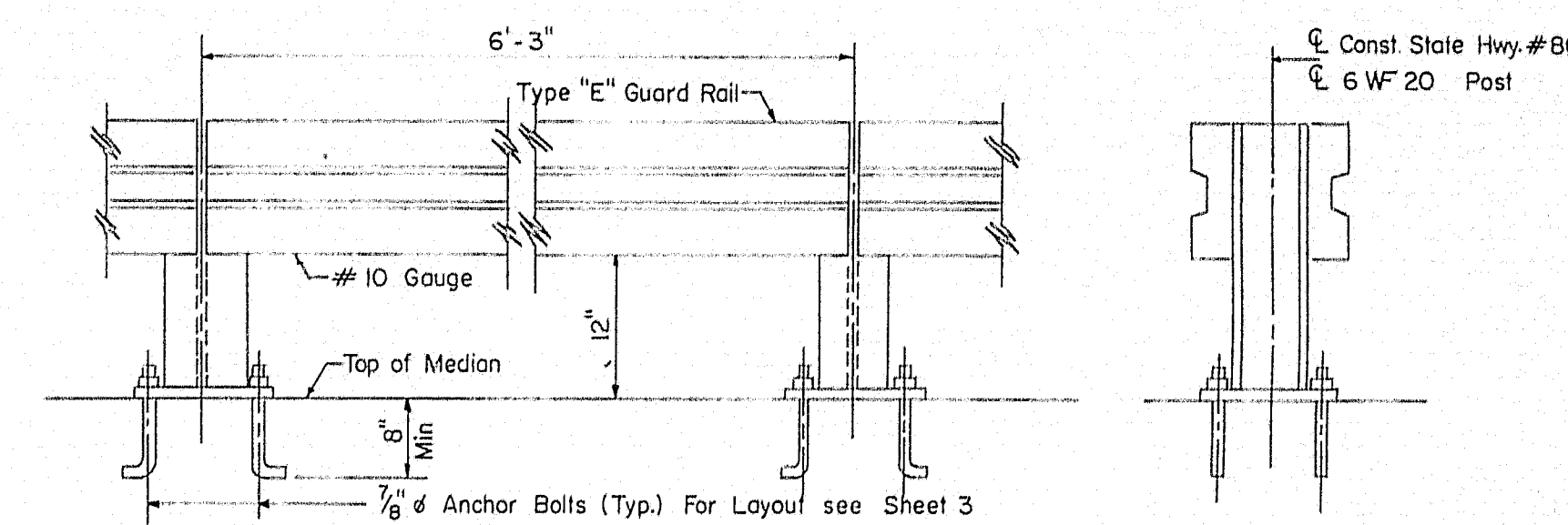
GENERAL ELEVATION

Scale: 3/32" = 1'-0"



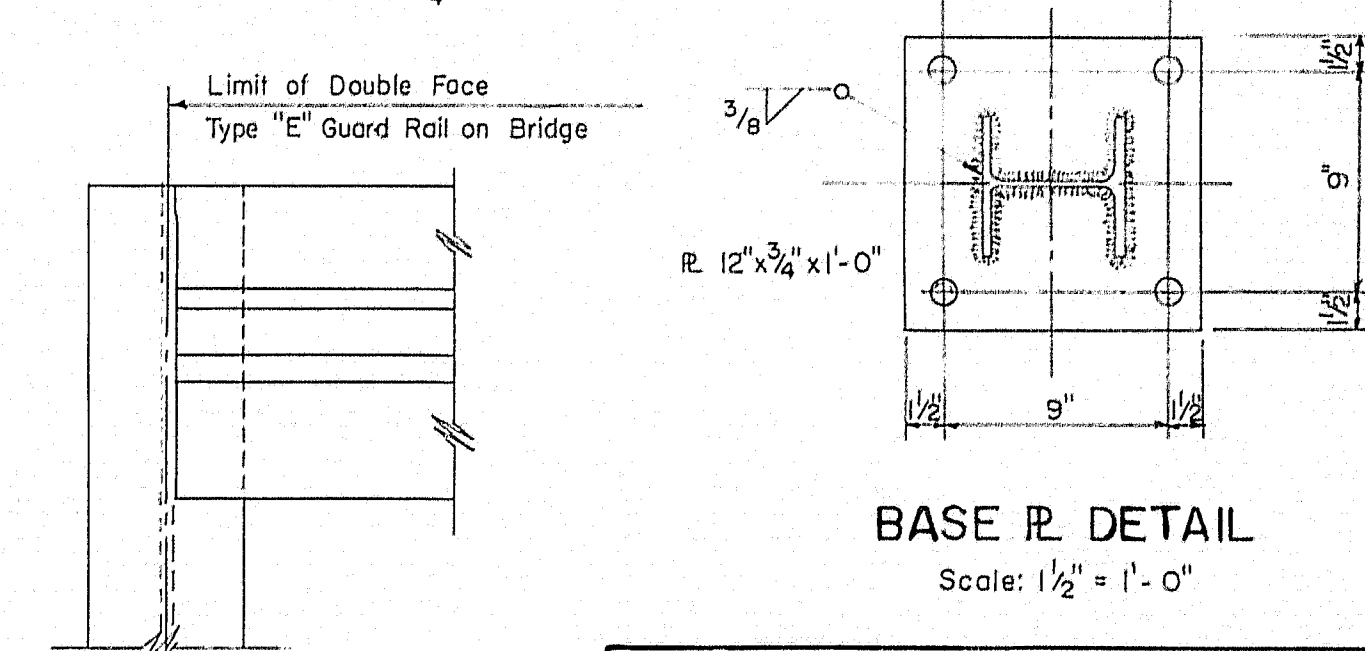
SLOPE DETAIL

No Scale



MEDIAN GUARD RAIL-ELEVATION

Scale: 3/4" = 1'-0"



BASE R. DETAIL

Scale: 1/2" = 1'-0"

DETAIL A

Scale: 1/2" = 1'-0"

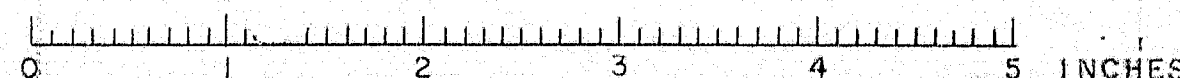
THE CLARKESON ENGINEERING CO., INC.

DESIGN	CHECK	H. P.	BRIDGE NO.
DRAWN	E. K.	W. A. H.	SURVEY
		APPROVED	C. J. M.
			PLOT

STATE HIGHWAY COMMISSION
STATE HIGHWAY # 80
OVER
BROADWAY
IN THE CITY OF
BANGOR
PENOBSCOT COUNTY
GENERAL PLAN & ELEVATION

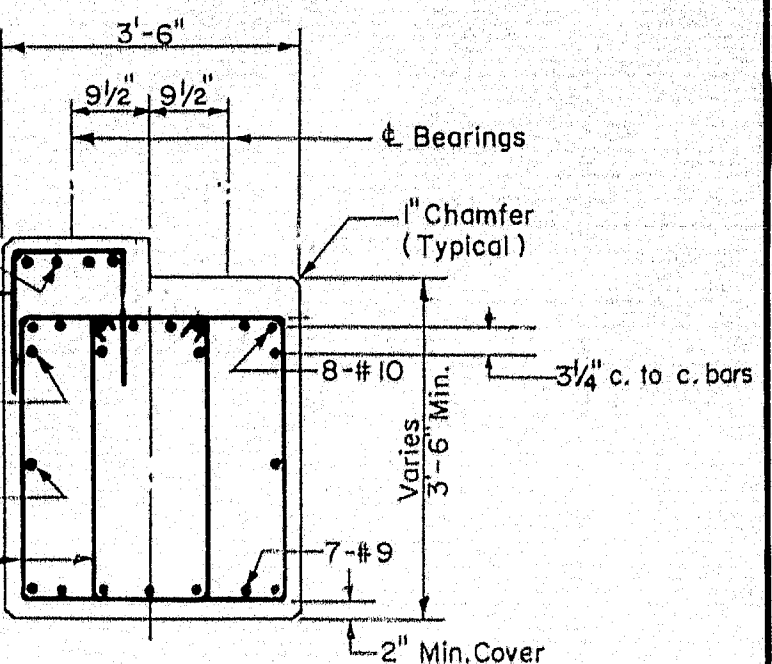
SHEET 3 OF 8 AUGUSTA, MAINE

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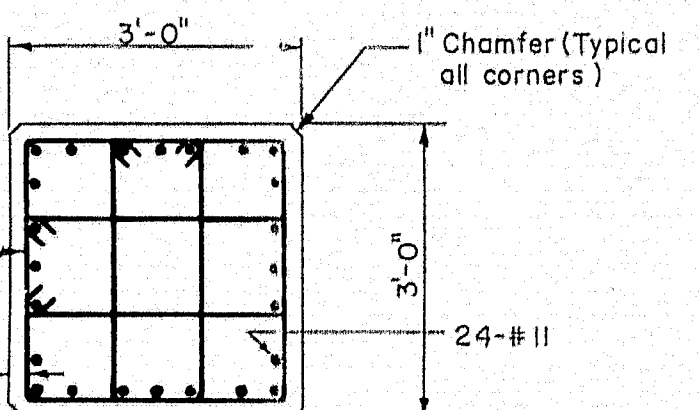
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I	MAINE	X-080-8(4)	II	15

BANGOR INTERSTATE



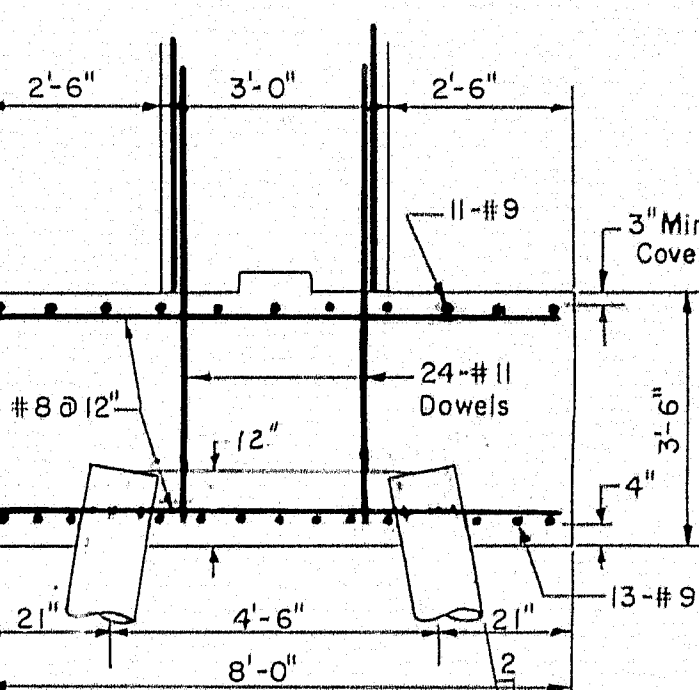
SECTION B-B

Scale: 1/2" = 1'-0"



SECTION C-C

Scale: 1/2" = 1'-0"

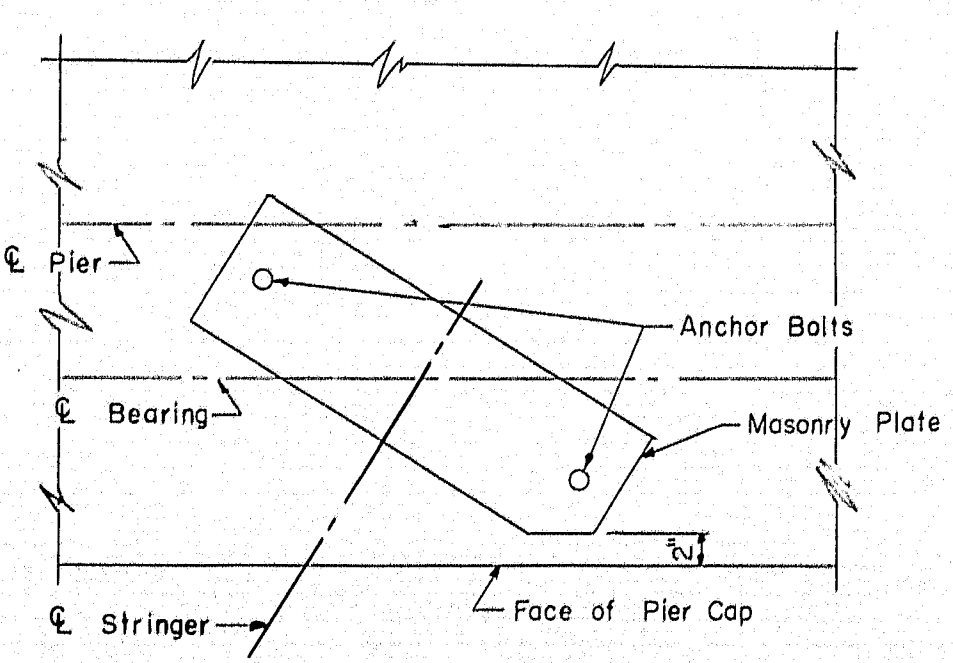


SECTION D-D

Scale: 1/2" = 1'-0"

Beam No.	Pier A	Beam No.	Pier B	Beam No.
1	151.33	14	152.29	152.62
2	152.05	15	152.53	153.32
3	152.32	16	152.78	153.57
4	152.44	17	152.87	153.67
5	152.38	18	152.80	153.59
6	152.28	19	152.67	153.47
7	152.32	20	152.71	153.50
8	152.56	21	152.93	153.73
9	152.78	22	153.12	153.93
10	152.84	23	153.17	153.96
11	152.73	24	153.04	153.88
12	152.64	25	152.94	153.73
13	152.09	26	152.83	153.15

Col. Pier	A	B	C	D	E	F
A	147.24	147.44	147.65	147.86	148.10	148.33
B	148.43	148.60	148.76	148.94	149.13	149.32



DETAIL A

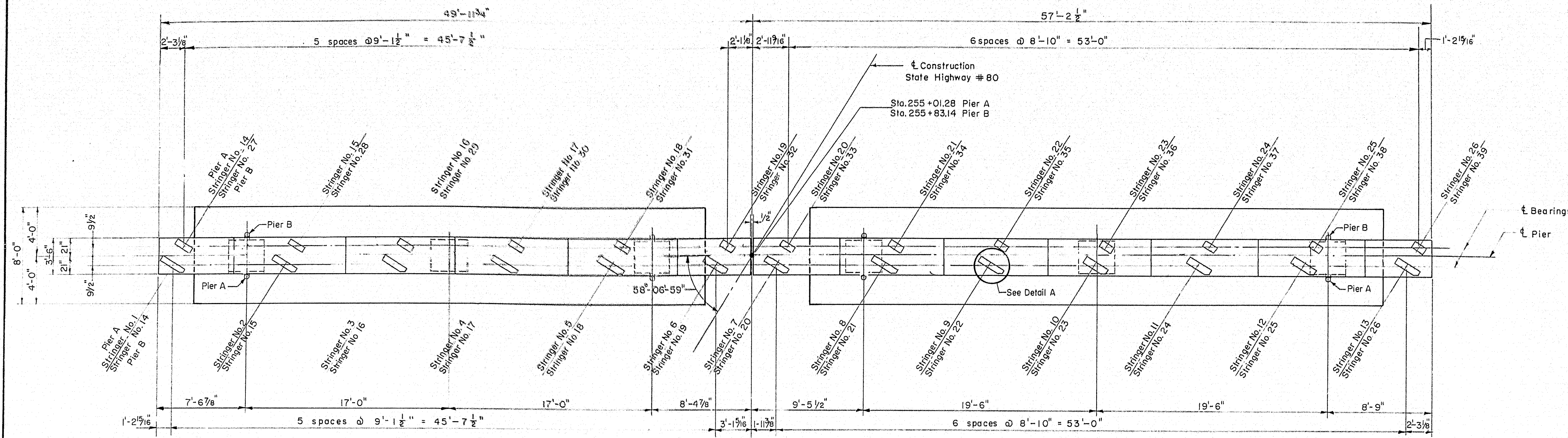
Scale: 1" = 1'-0"

THE CLARKSON ENGINEERING CO., INC.

DESIGN M.P.	CHECK F.T. & H.P.	BRIDGE NO.
DRAWN D.A.T. & E.K.	APPROVED W.A.H. C.J.M.	SURVEY PLOT

STATE HIGHWAY COMMISSION
STATE HIGHWAY # 80
 OVER
BROADWAY
 IN THE CITY OF
BANGOR
 PENOBSCOT COUNTY
 PIERS

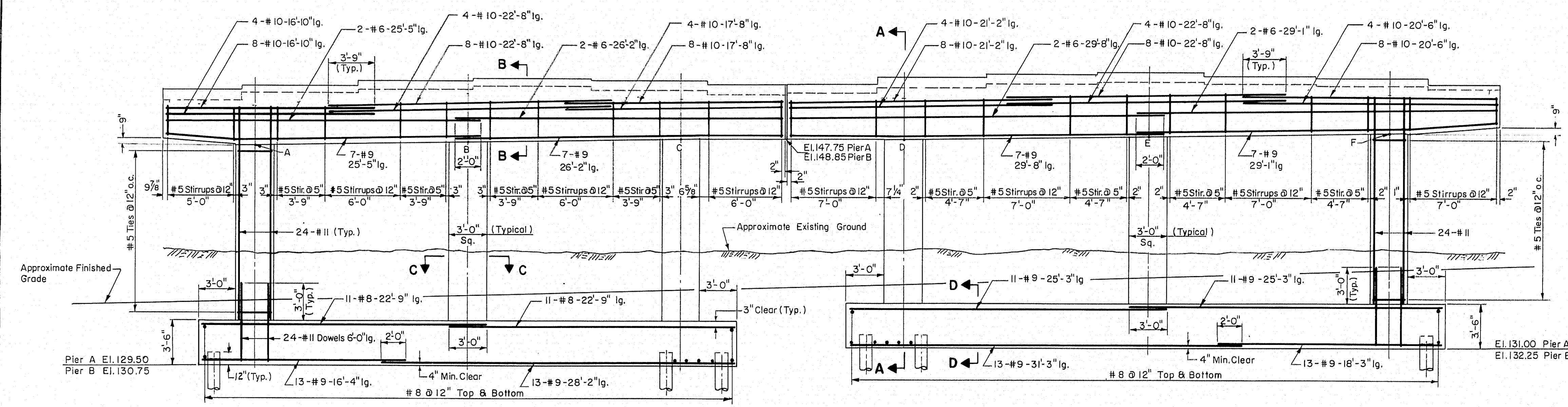
SHEET 5 OF 8 AUGUSTA, MAINE



PLAN PIER A PLAN PIER B (SIMILAR EXCEPT AS NOTED)

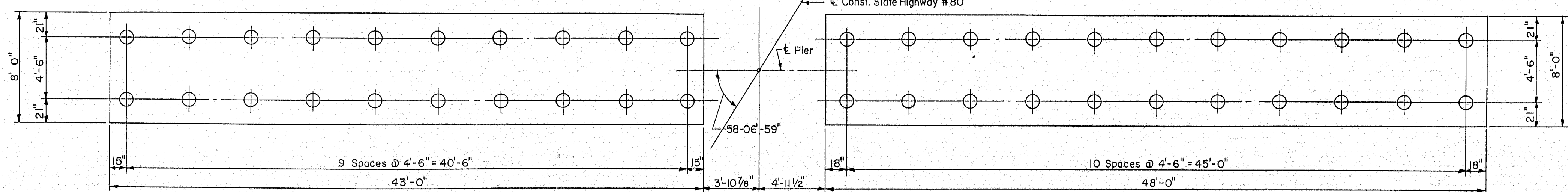
Scale: 1/2" = 1'-0"

Note: Masonry Plates shown are for Pier B.



ELEVATION PIER A ELEVATION PIER B (SIMILAR EXCEPT AS NOTED)

Scale: 1/2" = 1'-0"

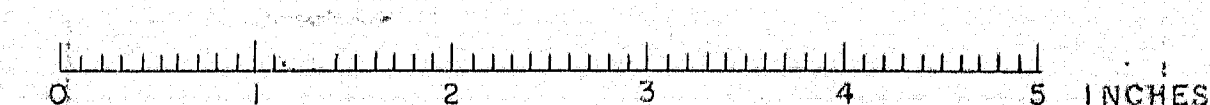


PILE PLAN PIER A PILE PLAN PIER B (SAME)

Scale: 1/2" = 1'-0"

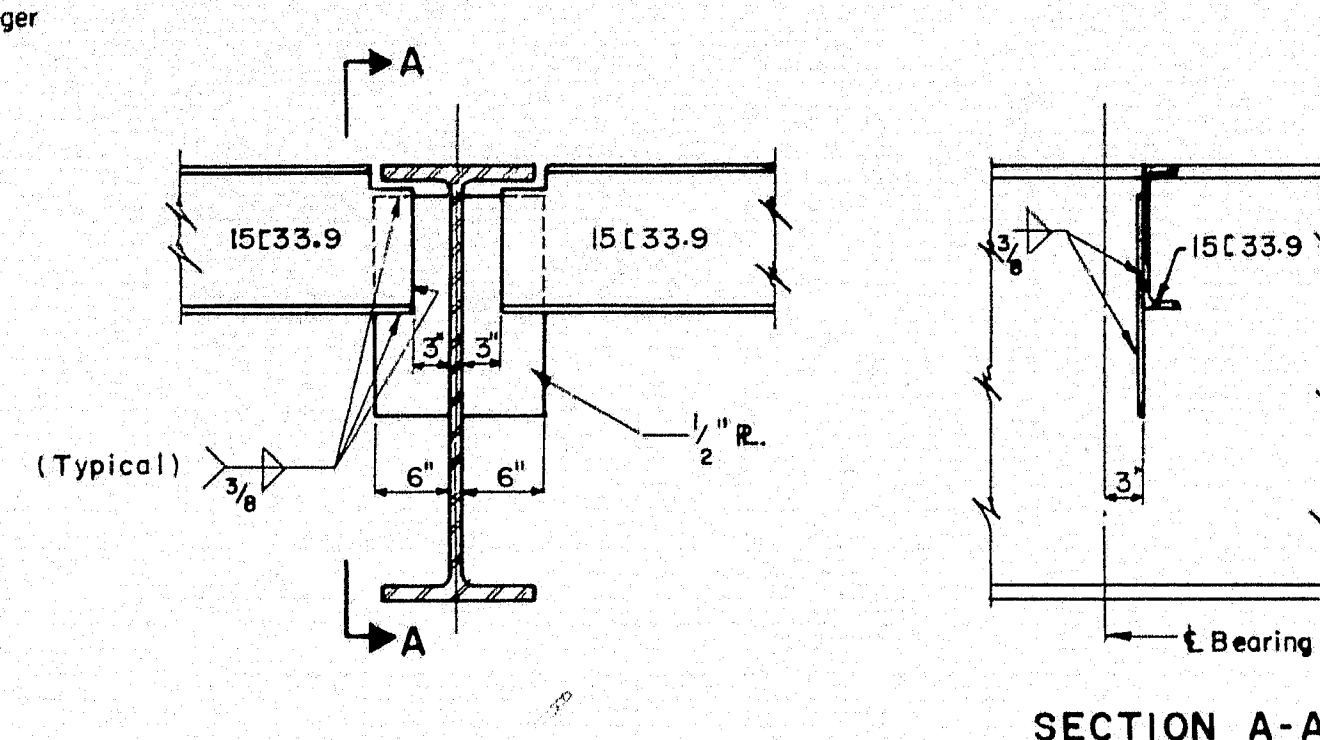
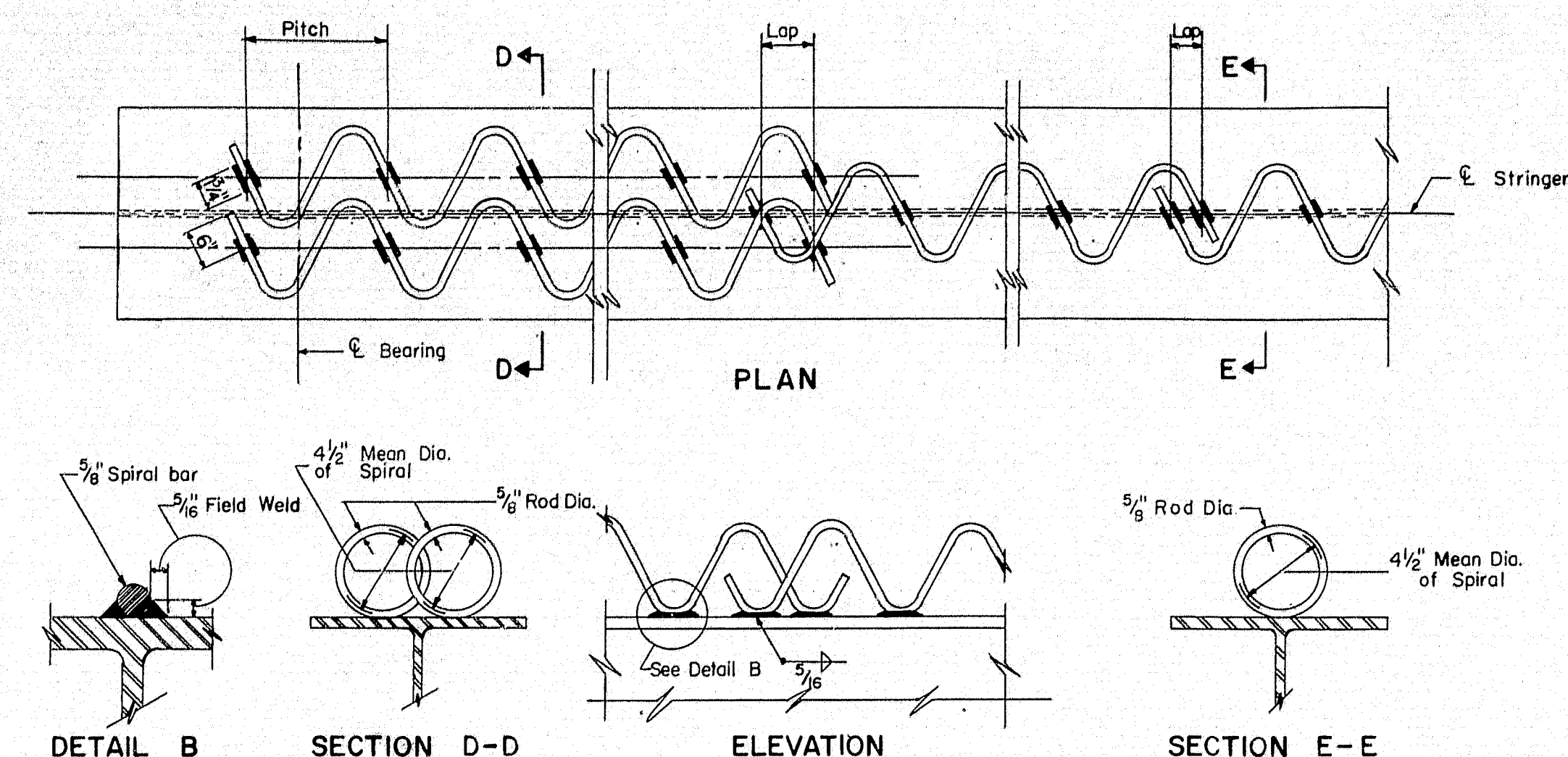
Note: For Detail of Pile Reinforcing see Sheet 4

Pier Notes: 1. All piles to be 35 Ton cast in place concrete piles.
 2. Maximum pile load 35 Ton.
 3. All piles to be battered 2 on 12.



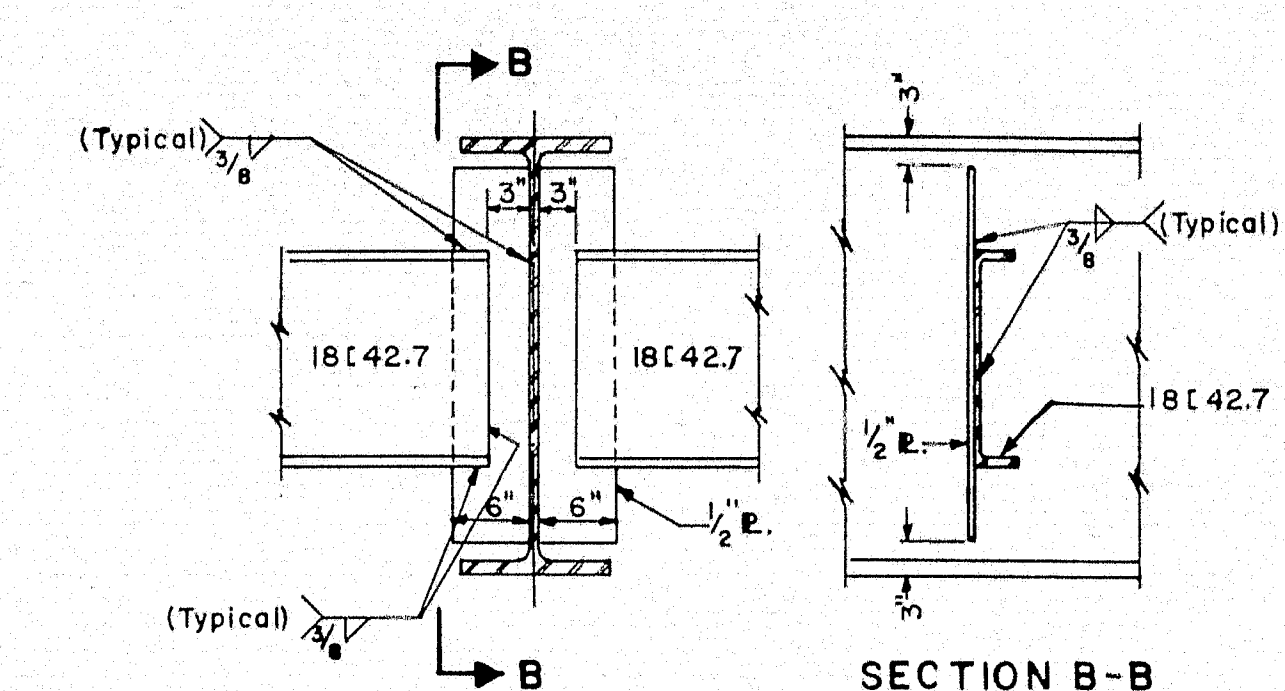
B.P.R. REG. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	I-080-B(4)	13	15

BANGOR INTERSTATE



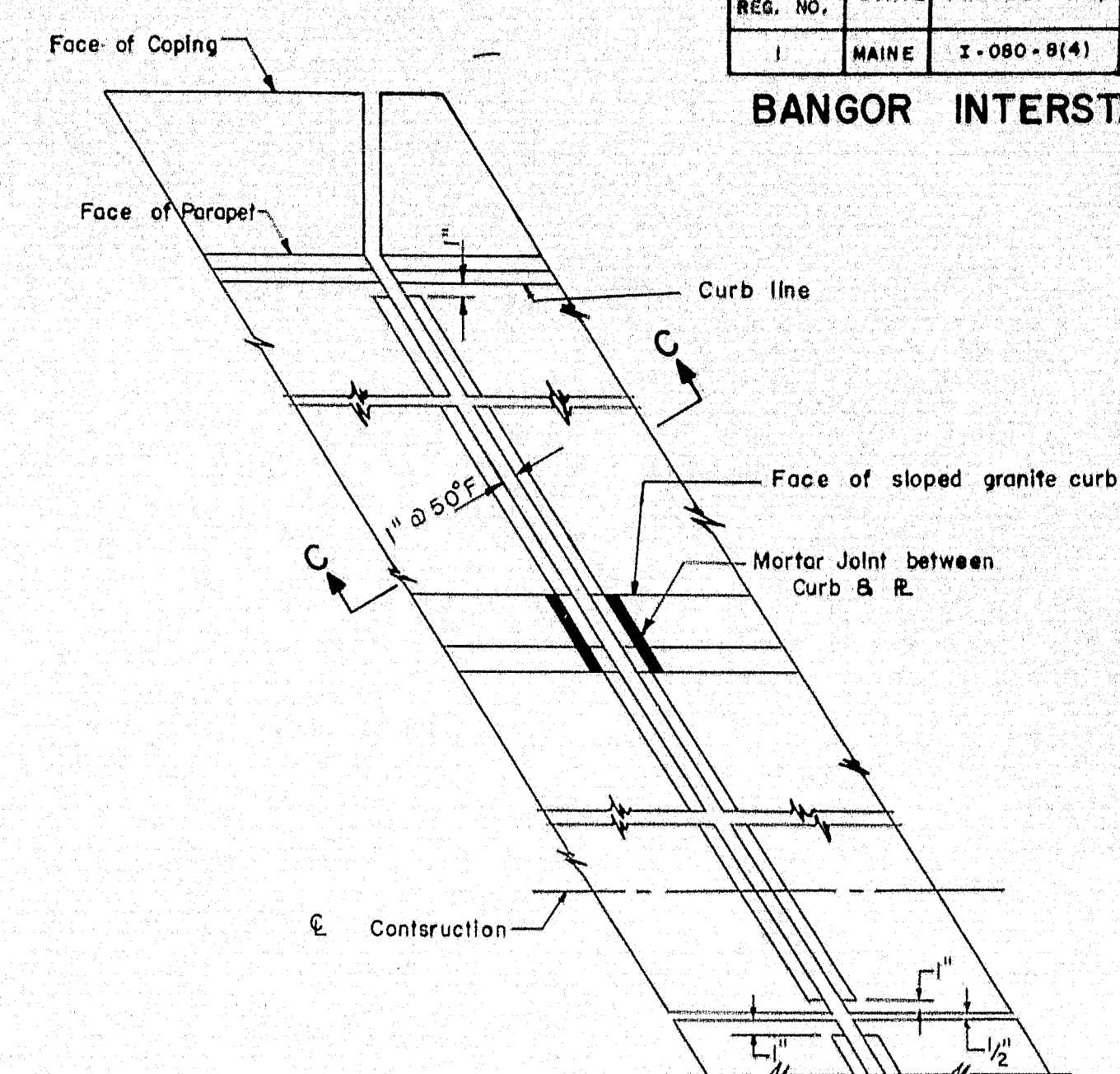
WELDED END DIAPHRAGM CONNECTION

Scale: 3/4" = 1'-0"

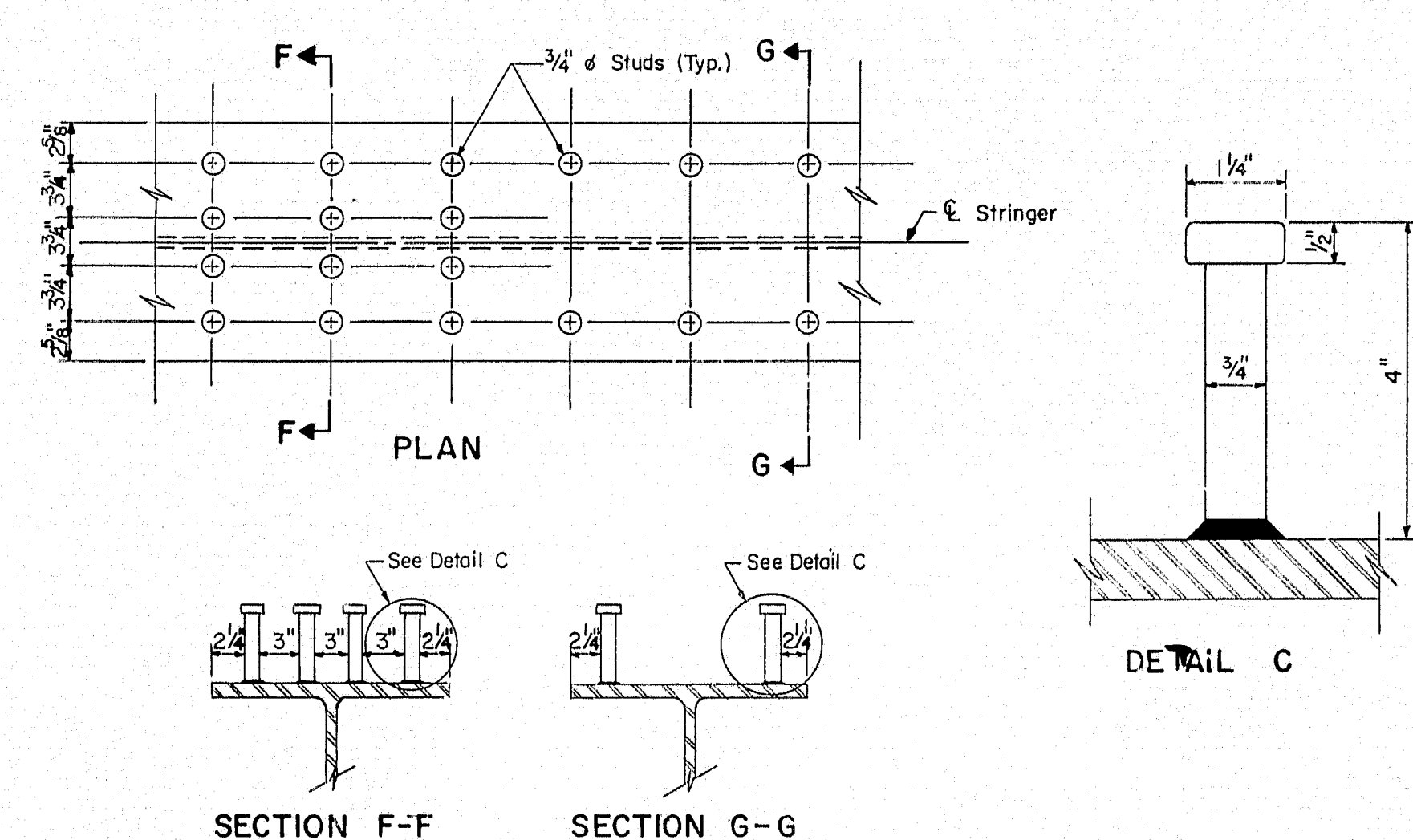
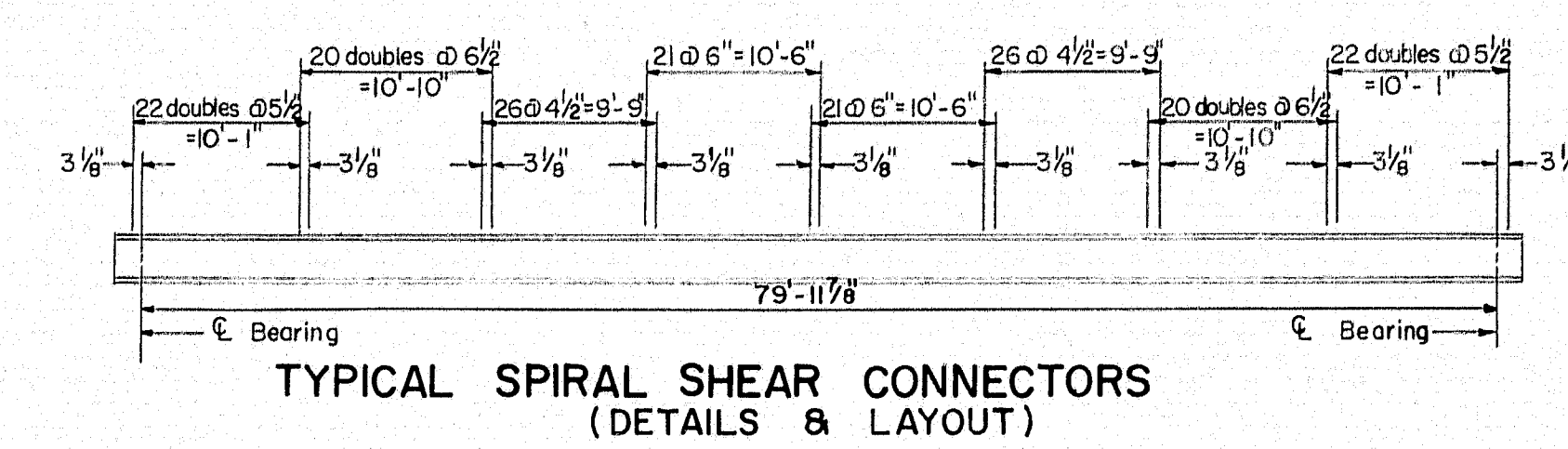


WELDED DIAPHRAGM CONNECTION

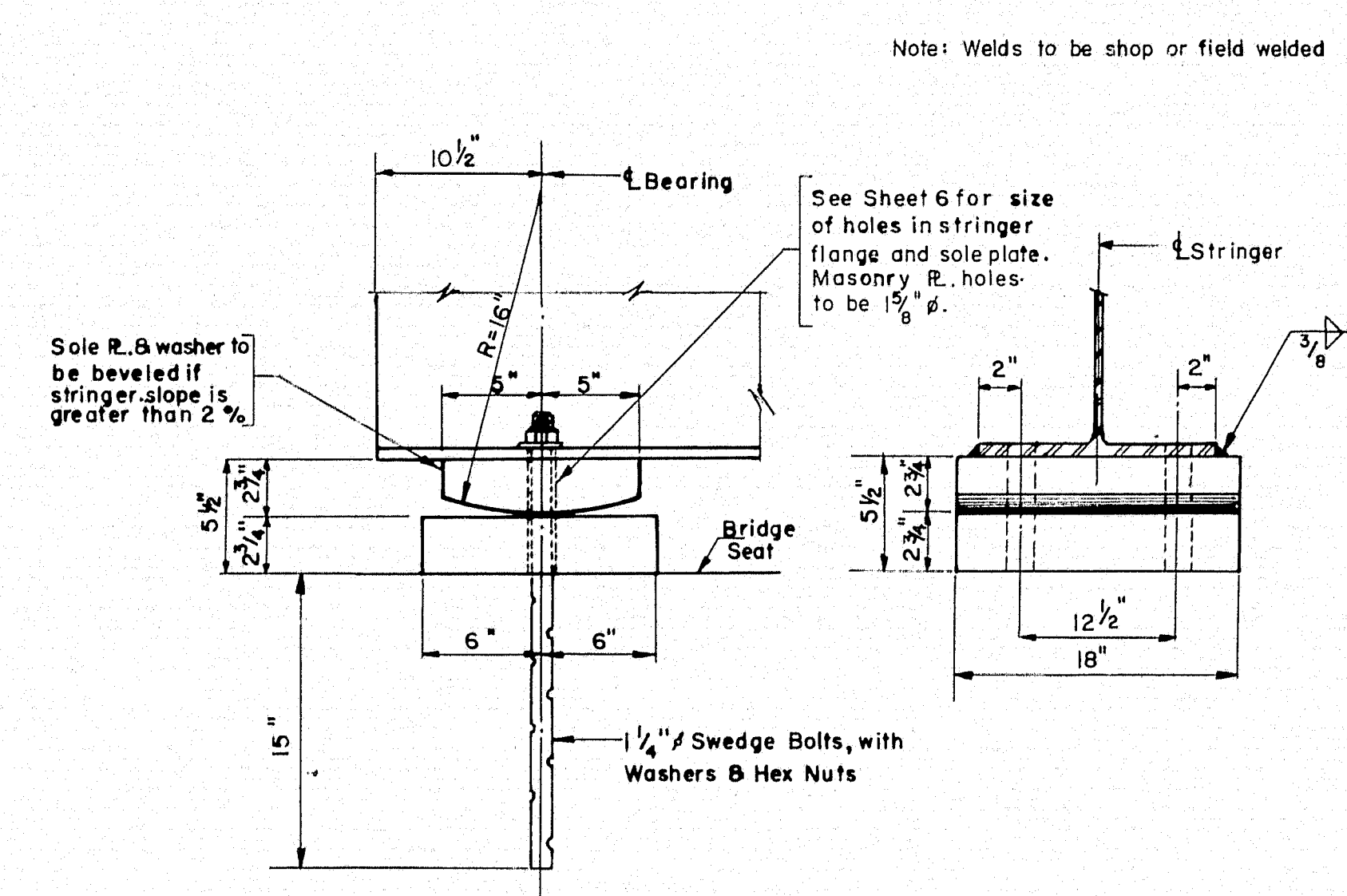
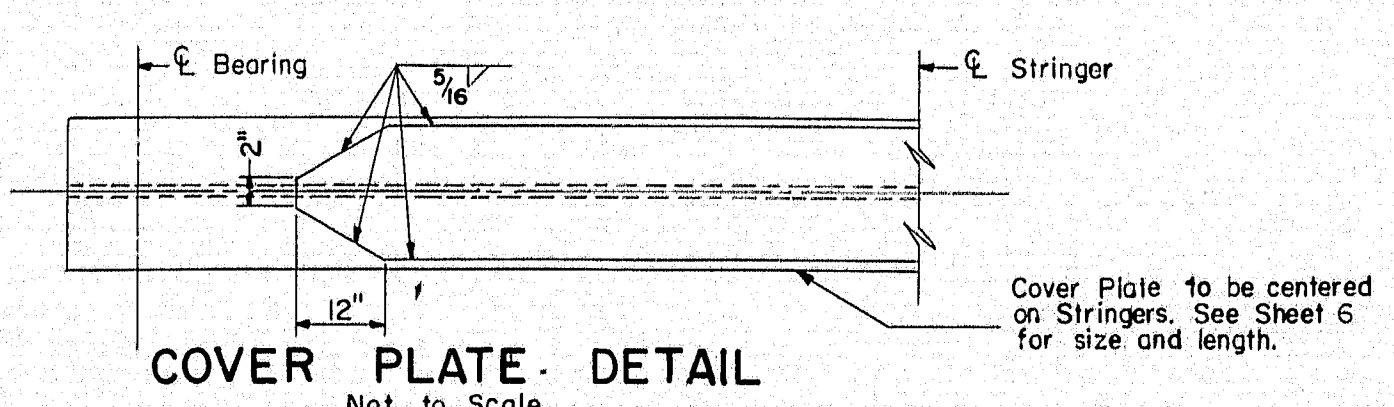
Scale: 3/4" = 1'-0"



Scale: 1" = 1'-0"

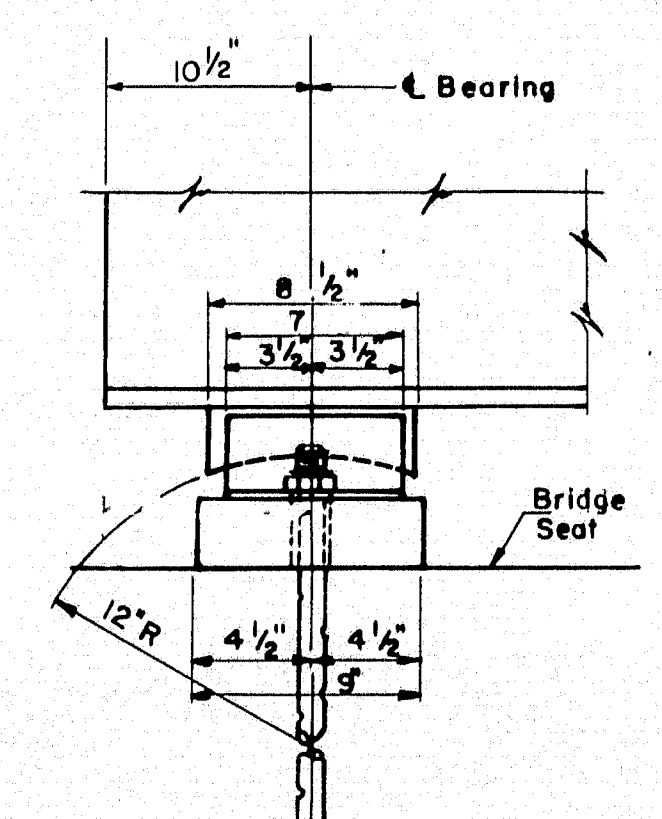


TYPICAL STUD SHEAR CONNECTORS
(DETAILS & LAYOUT)
Not to Scale



FIXED BEARING DETAIL

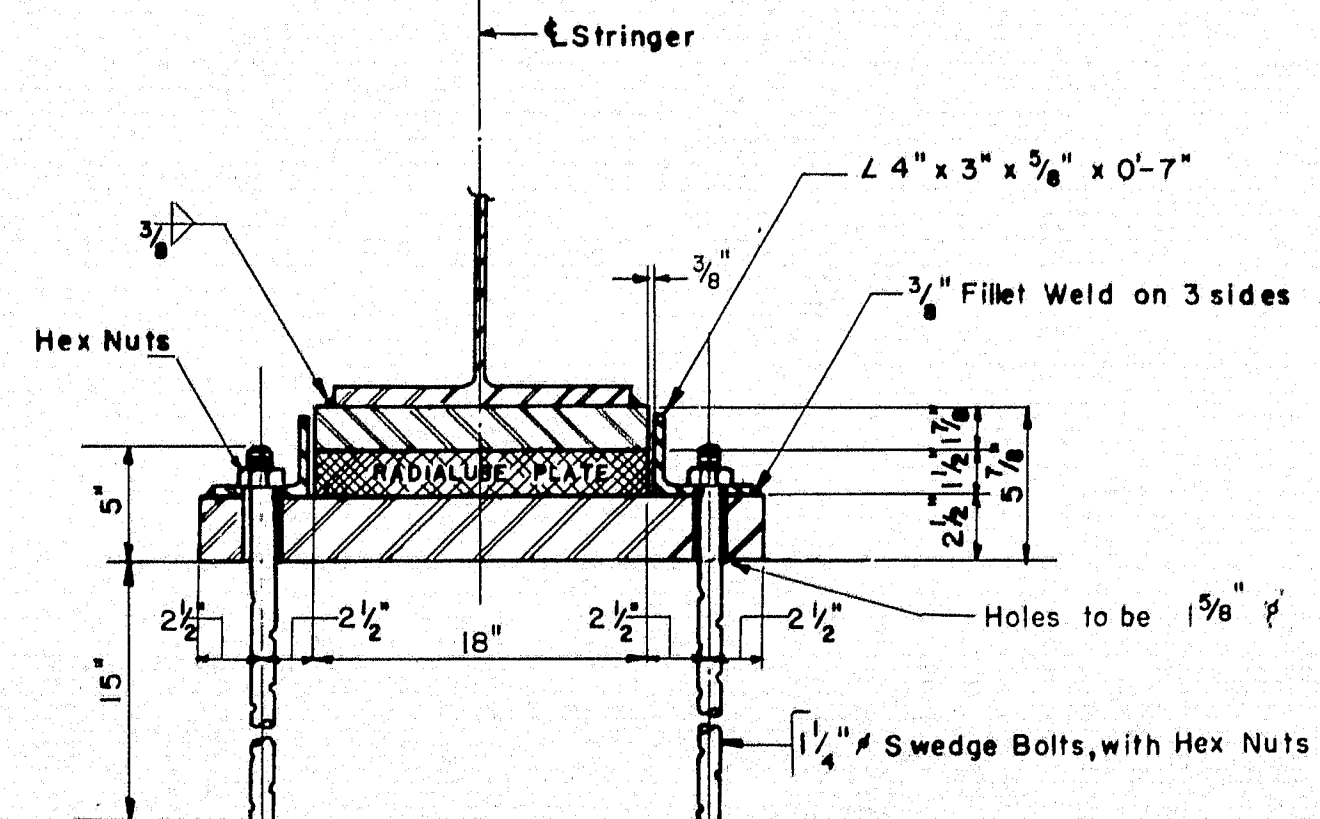
Scale: 1 1/2" = 1'-0"



EXPANSION BEARING DETAIL

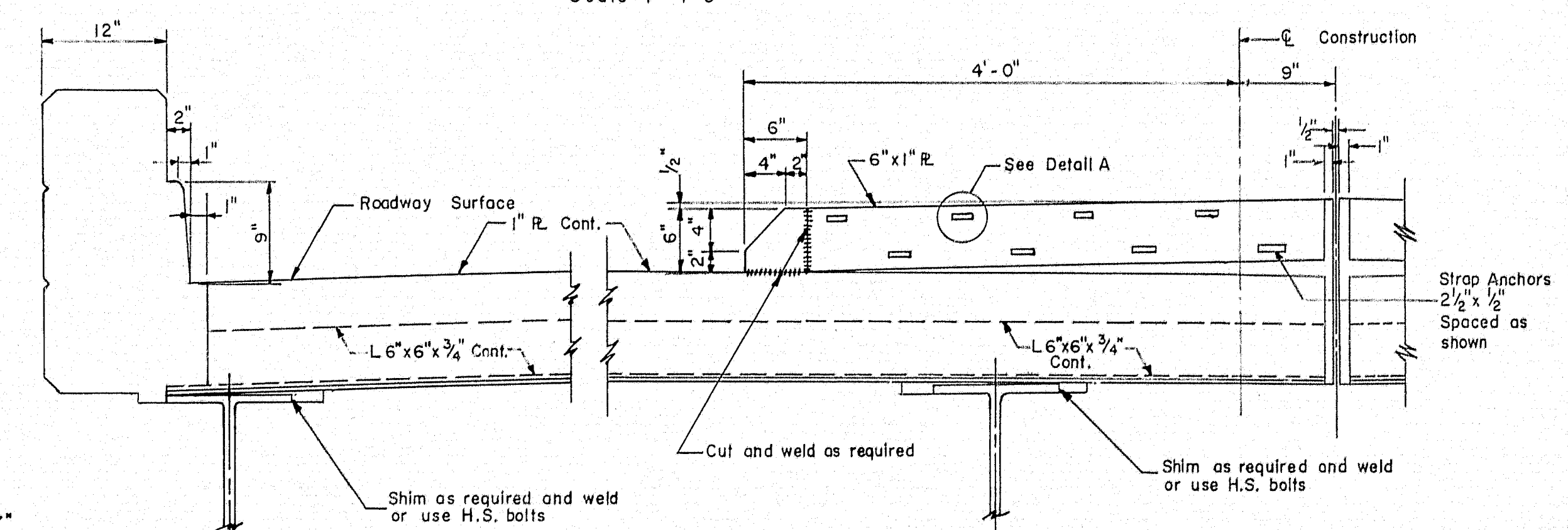
Scale: 1 1/2" = 1'-0"

1. All Anchor bolts to be centered true before bearing plates are set in position.
2. For bearing details for Span 1 & 3, see Sheet No. 5.
3. Top flange of stringers to be cut parallel to ϵ of bearings.



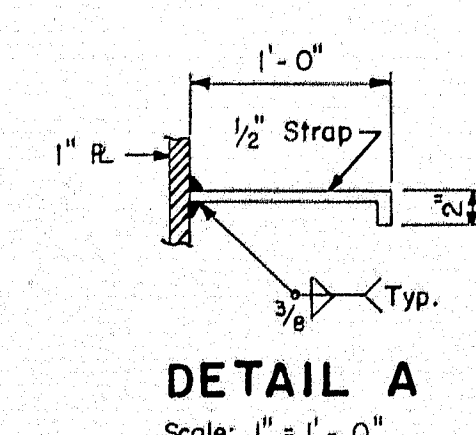
SECTION C-C

Scale: 1" = 1'-0"

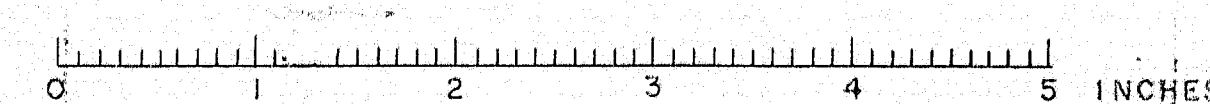


EXPANSION JOINT DETAILS

Scale: 1" = 1'-0"

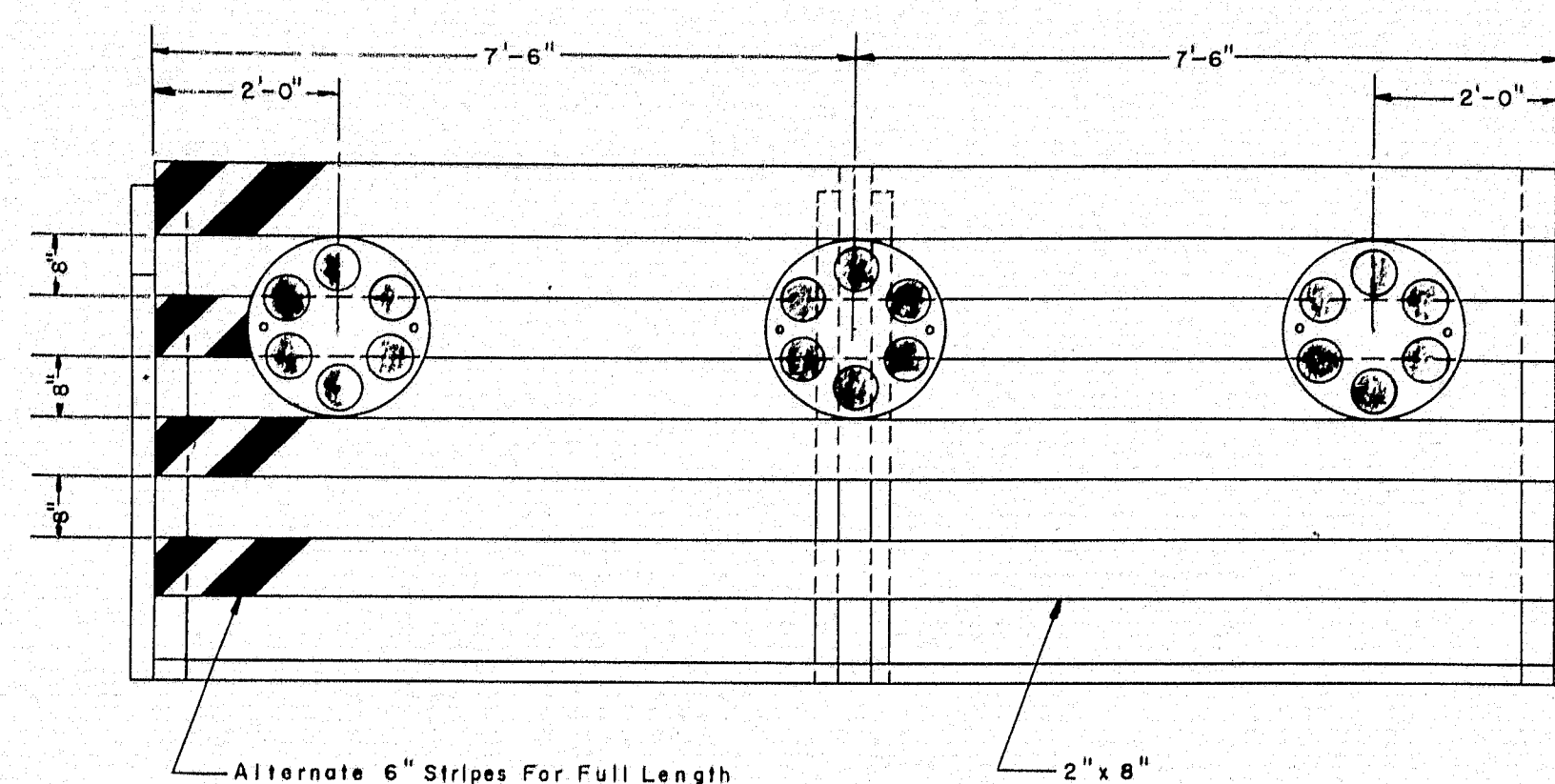


THE CLARKSON ENGINEERING CO., INC.			
DESIGN	CHECK	H.P.	BRIDGE NO.
DRAWN	D.A.T.	APPROVED C.J.M.	SURVEY PLOT
STATE HIGHWAY COMMISSION			
STATE HIGHWAY # 80			
OVER			
BROADWAY			
IN THE CITY OF			
BANGOR			
PENOBSCOT COUNTY			
SUPERSTRUCTURE DETAILS			
SHEET 7 OF 8 AUGUSTA, MAINE			



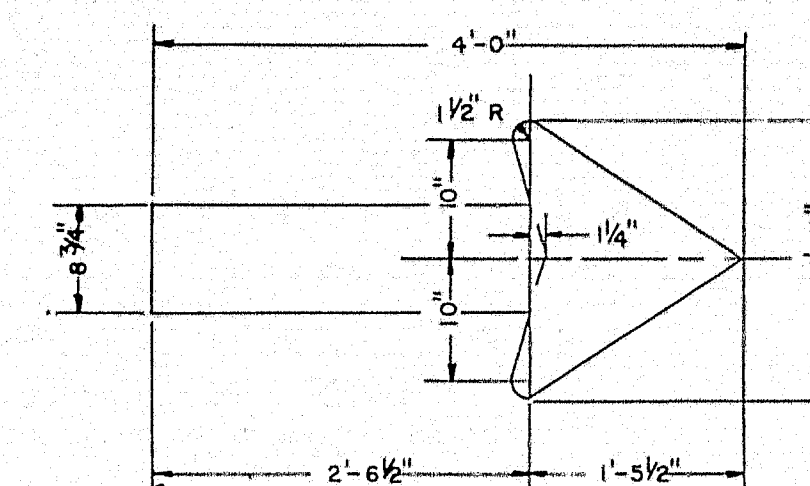
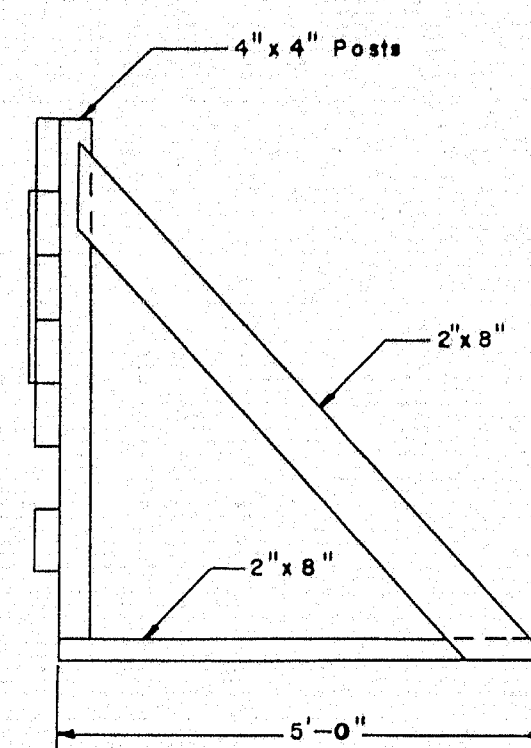
B. P. R. REG. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	1-080-8(4)	15	15

BANGOR INTERSTATE

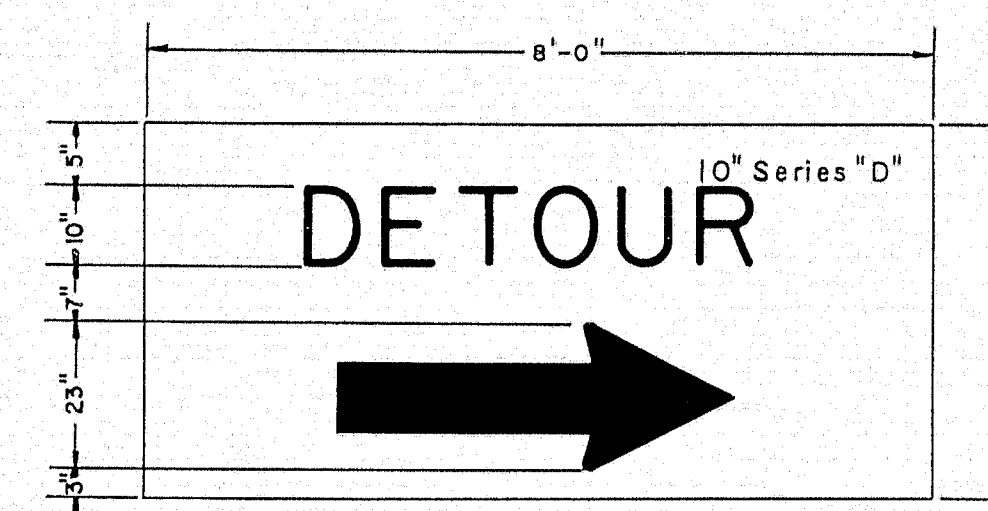


PORTABLE BARRICADE

Scale: $\frac{1}{2}" = 1'$



Scale: $\frac{3}{4}" = 1'$

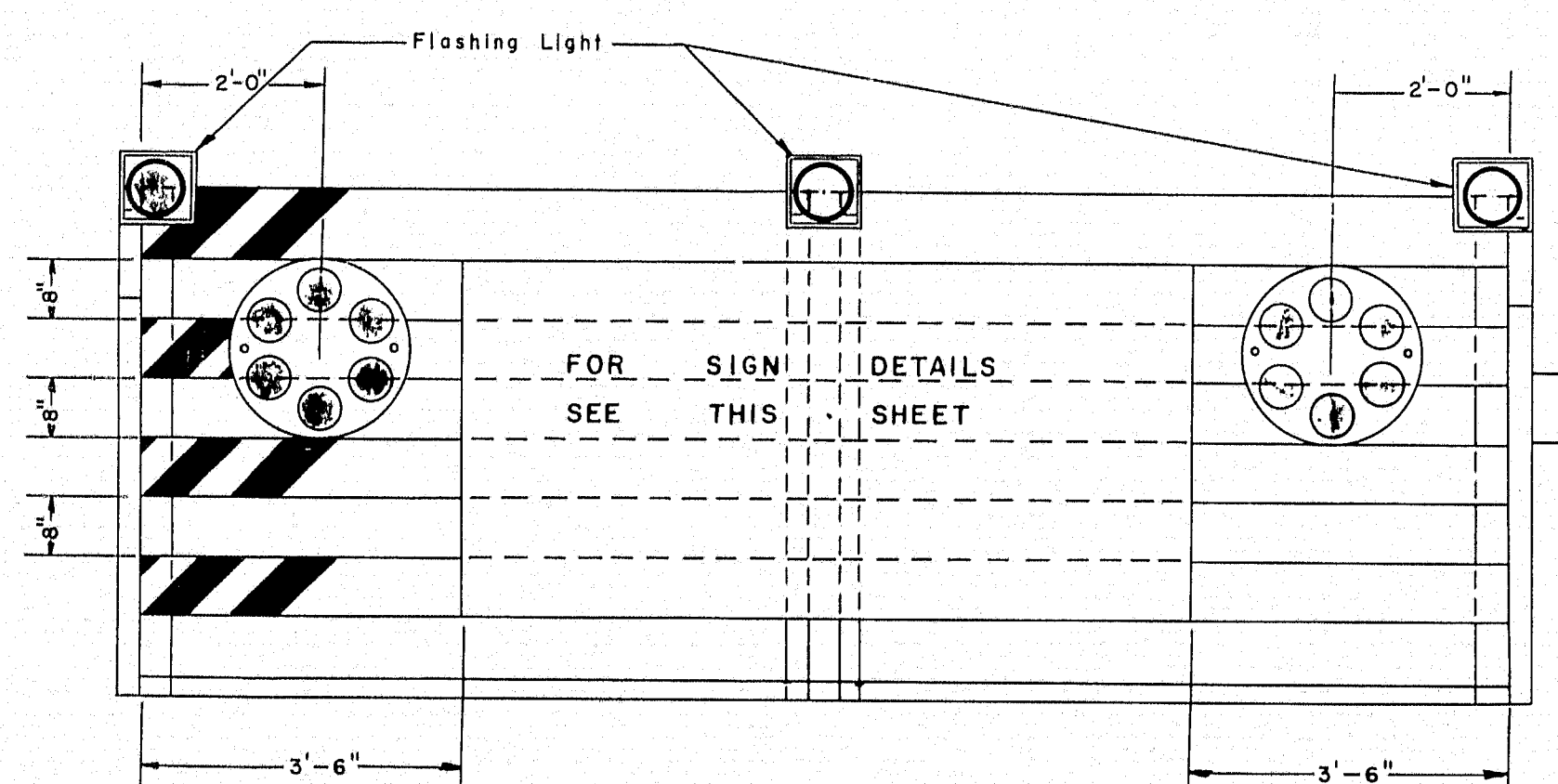


DETOUR SIGN FOR
PORTABLE BARRICADE

Scale: $\frac{1}{2}" = 1'$

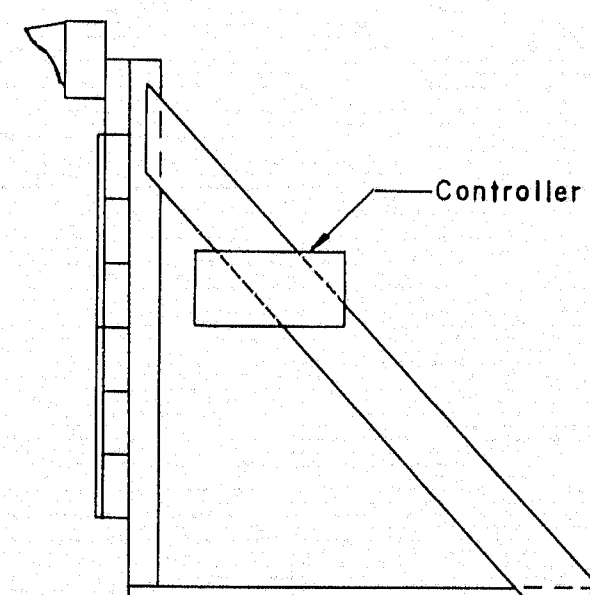
GENERAL NOTES:

1. Lumber sizes for use on Barricades shall be 2"x8" except for Posts which shall be 4"x4".
2. Detour Sign shall be $\frac{5}{8}$ " thick plywood.
3. Alternate 6" stripes shall be painted or screened in black on a background of silver reflective sheeting.
4. The word "DETOUR" and Arrow shall be painted or screened in black on a background of yellow reflective sheeting.
5. Flashing Lights shall be Mounted to permit rotation to face oncoming traffic.
6. Reflector clusters shall consist of a red background with red Reflectors similar to AGA Designation #1816-A1 (PDON).
7. The Barricades shall be securely anchored in place by means of sandbags, weights, or large stones.
8. Location of Service and Meter to be determined after Power Source has been decided.



PORTABLE BARRICADE
WITH FLASHING LIGHTS
AND DETOUR SIGN

Scale: $\frac{1}{2}" = 1'$



THE CLARKESON ENGINEERING CO., INC.

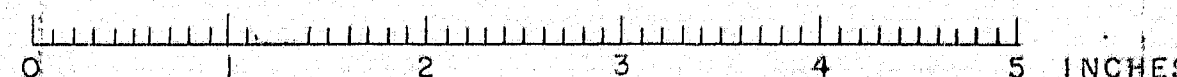
MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

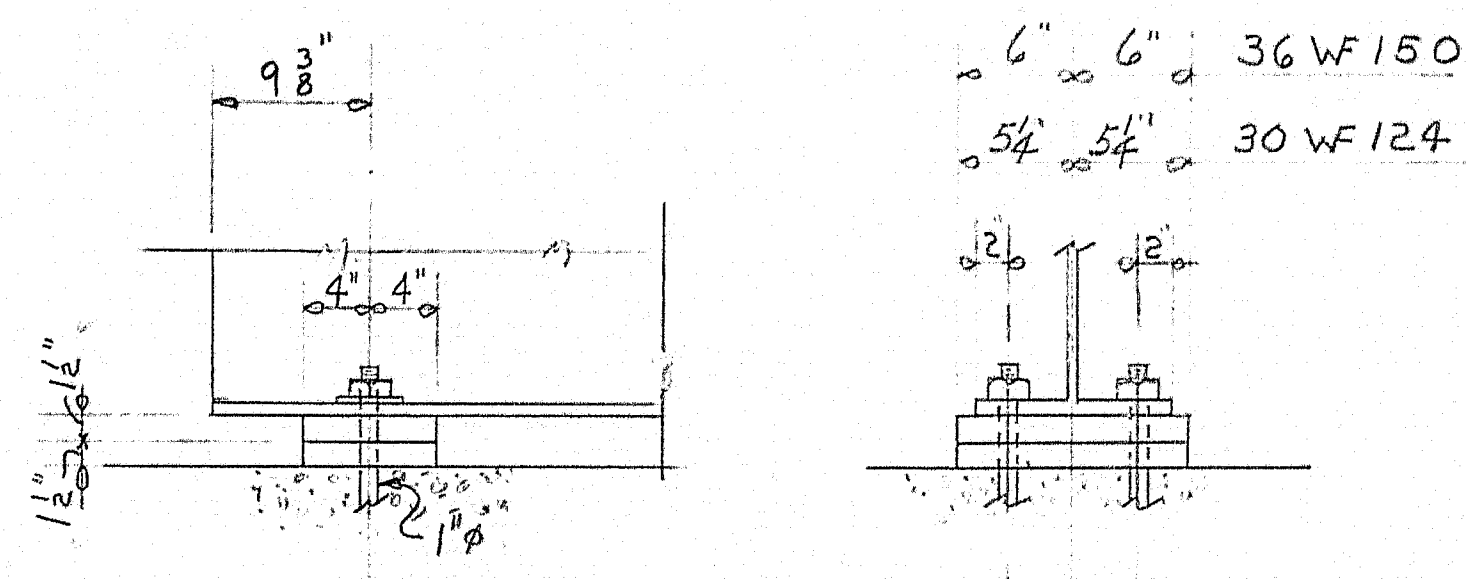
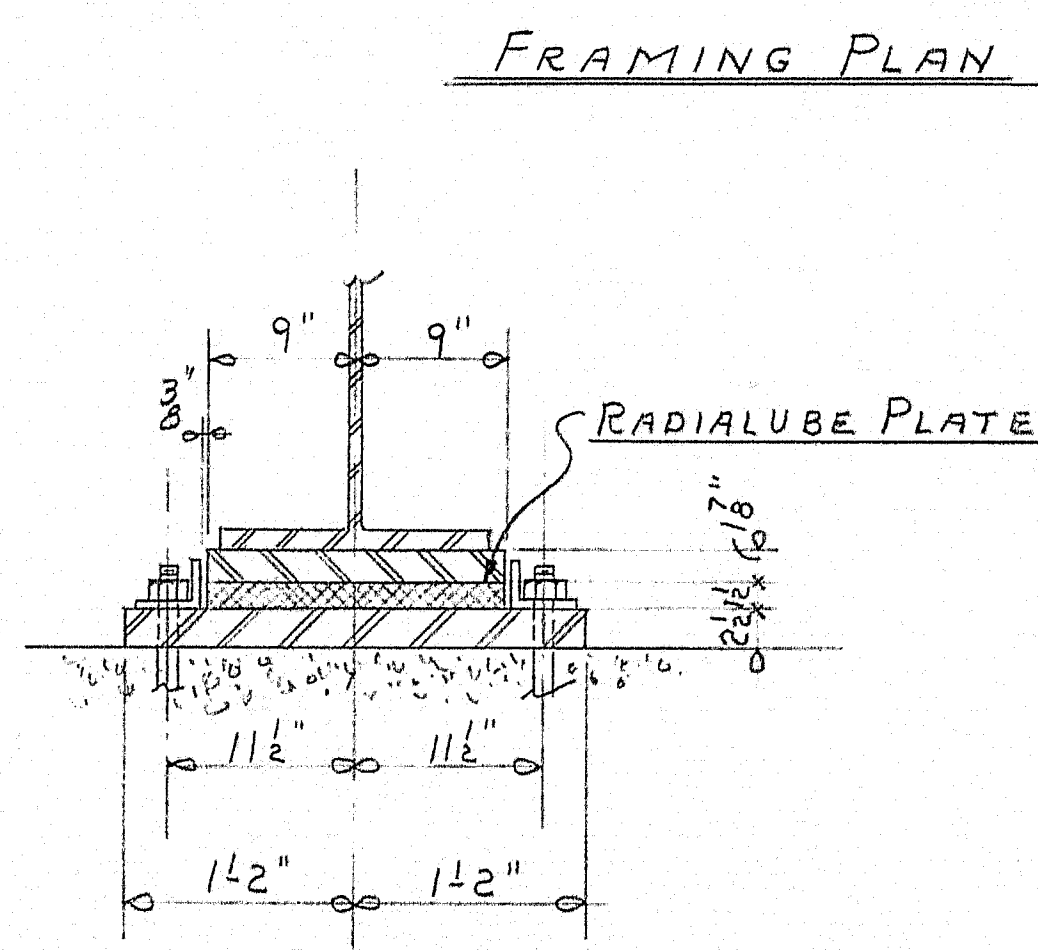
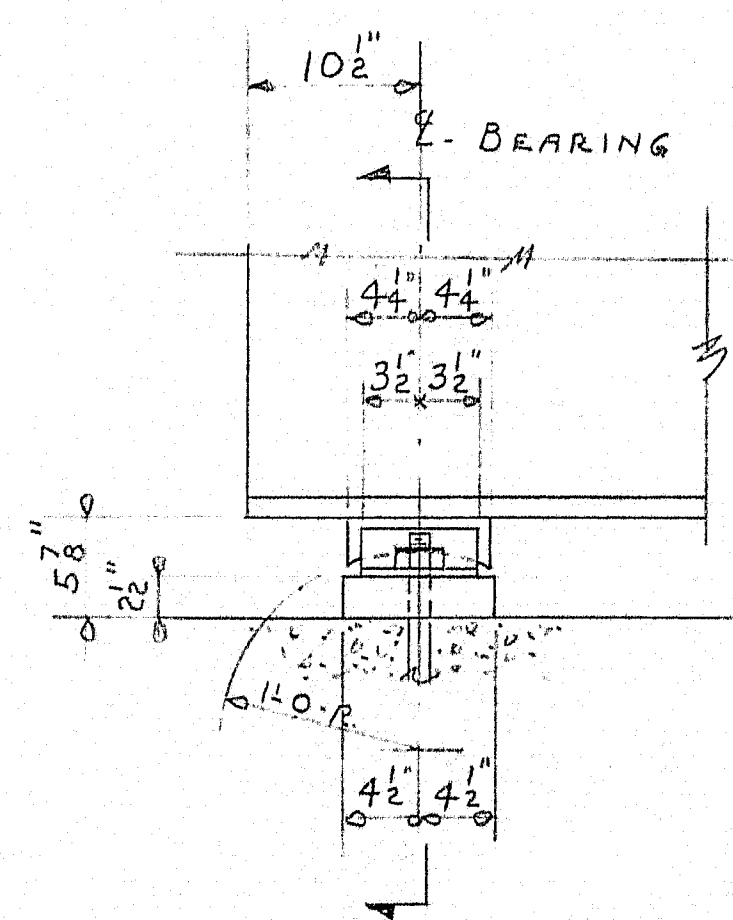
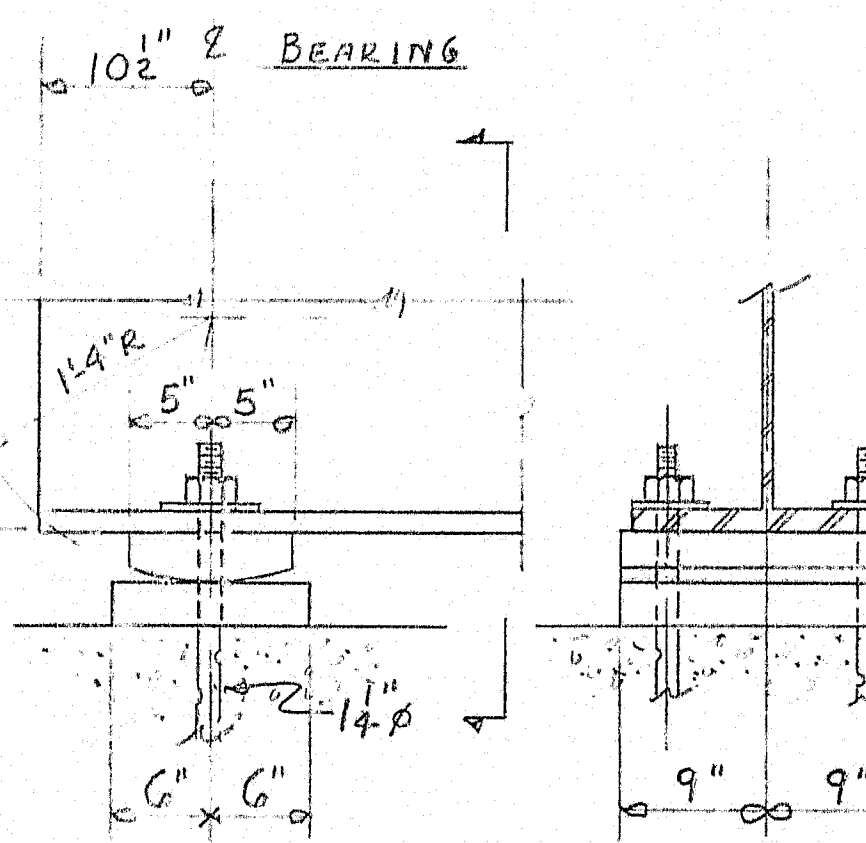
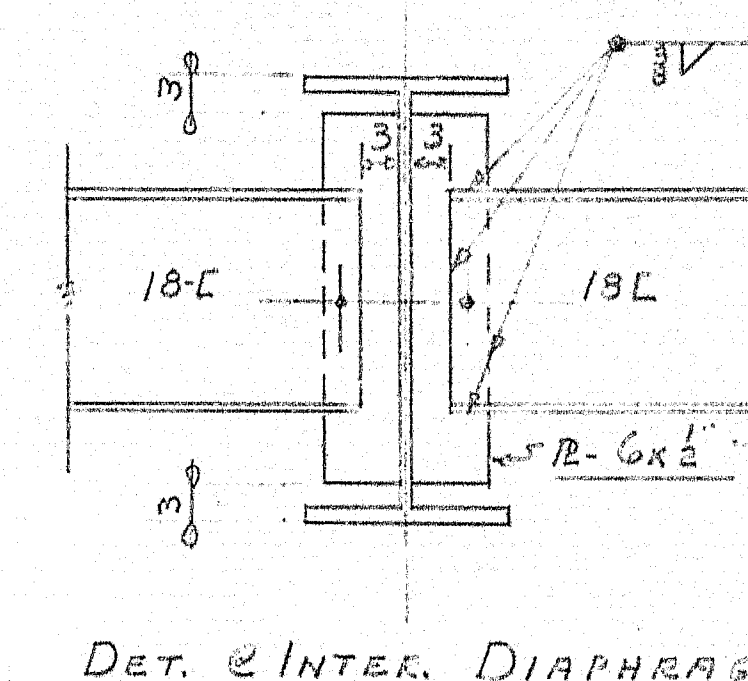
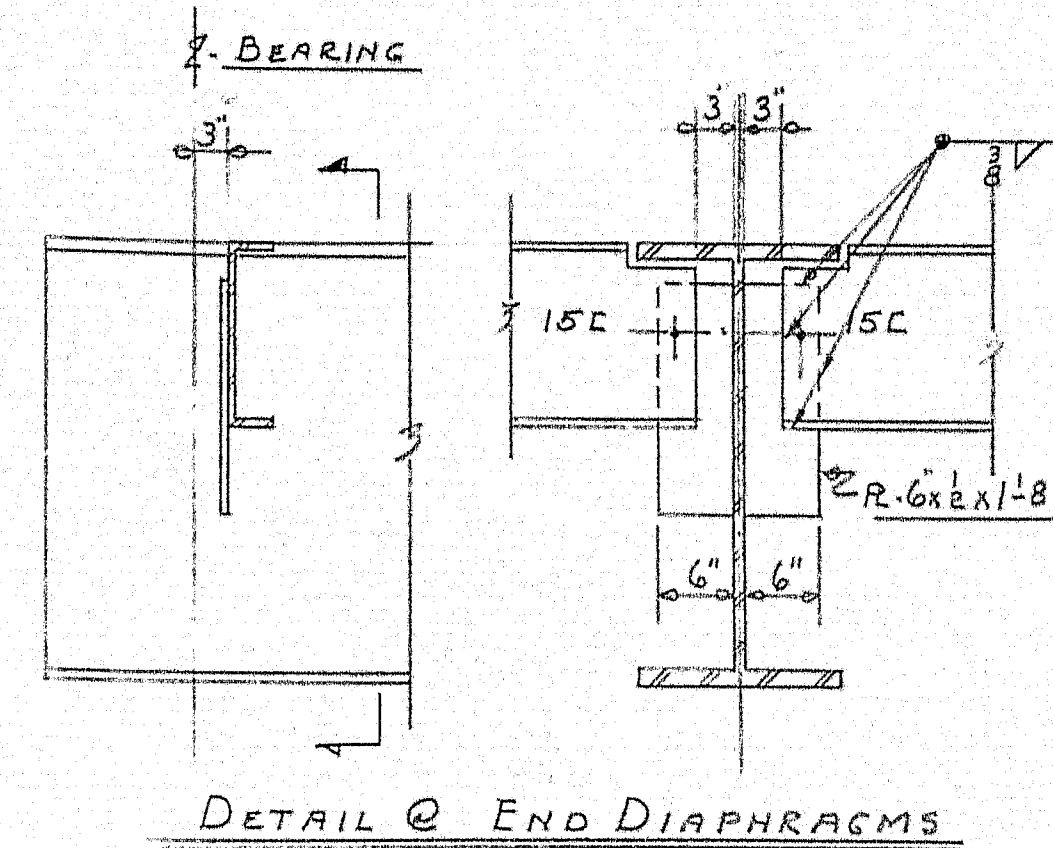
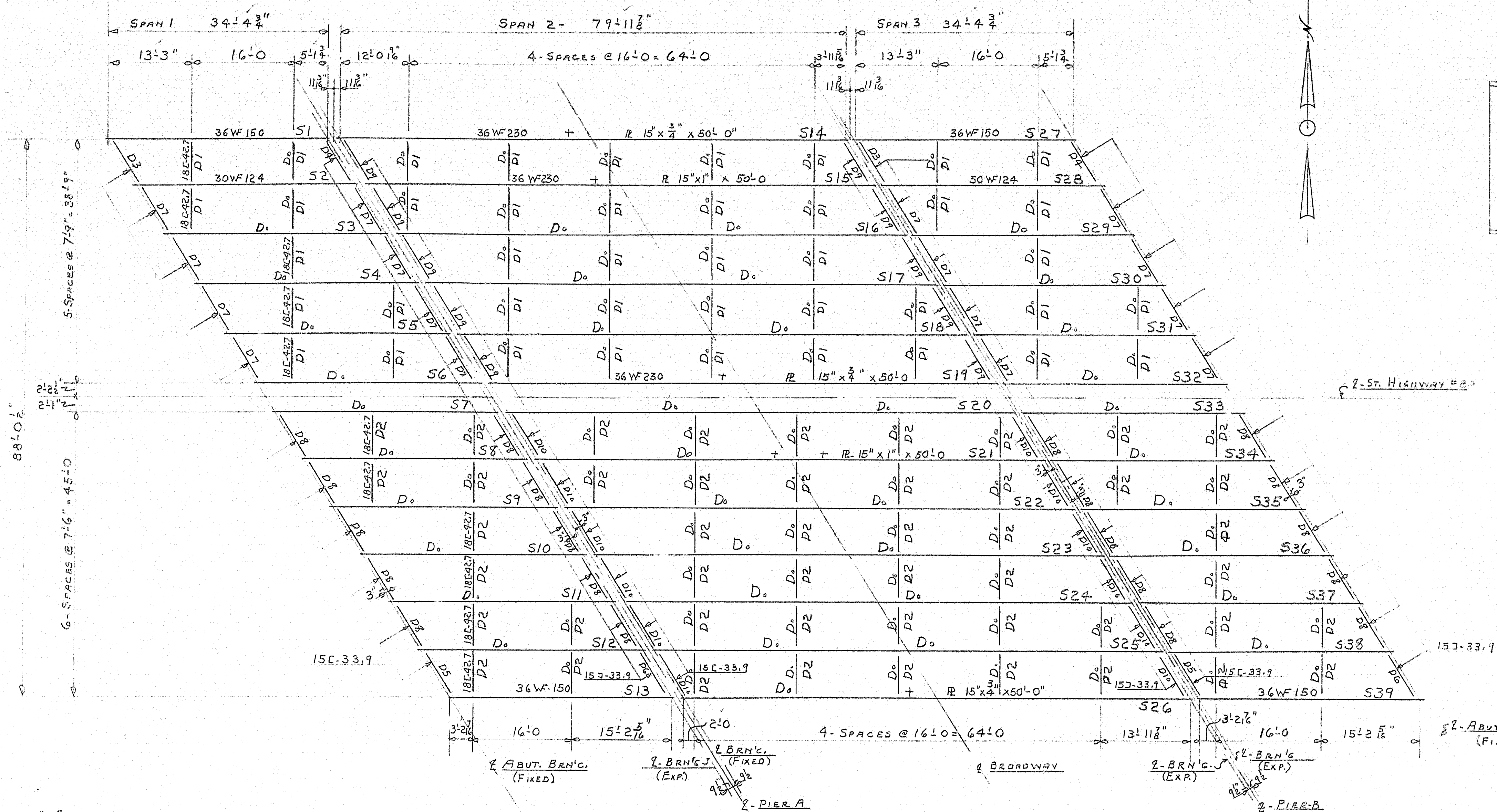
SPECIAL DETAILS

PORTABLE BARRICADES

SCALE: AS NOTED

73-64



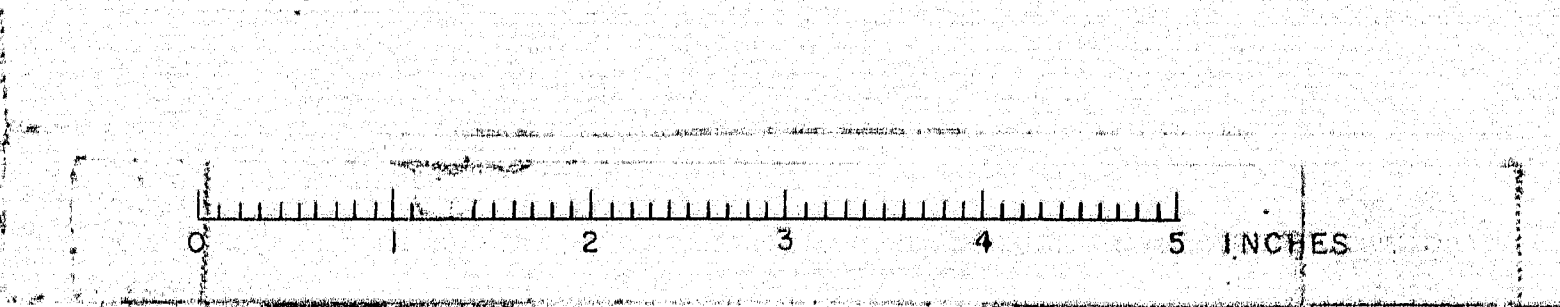


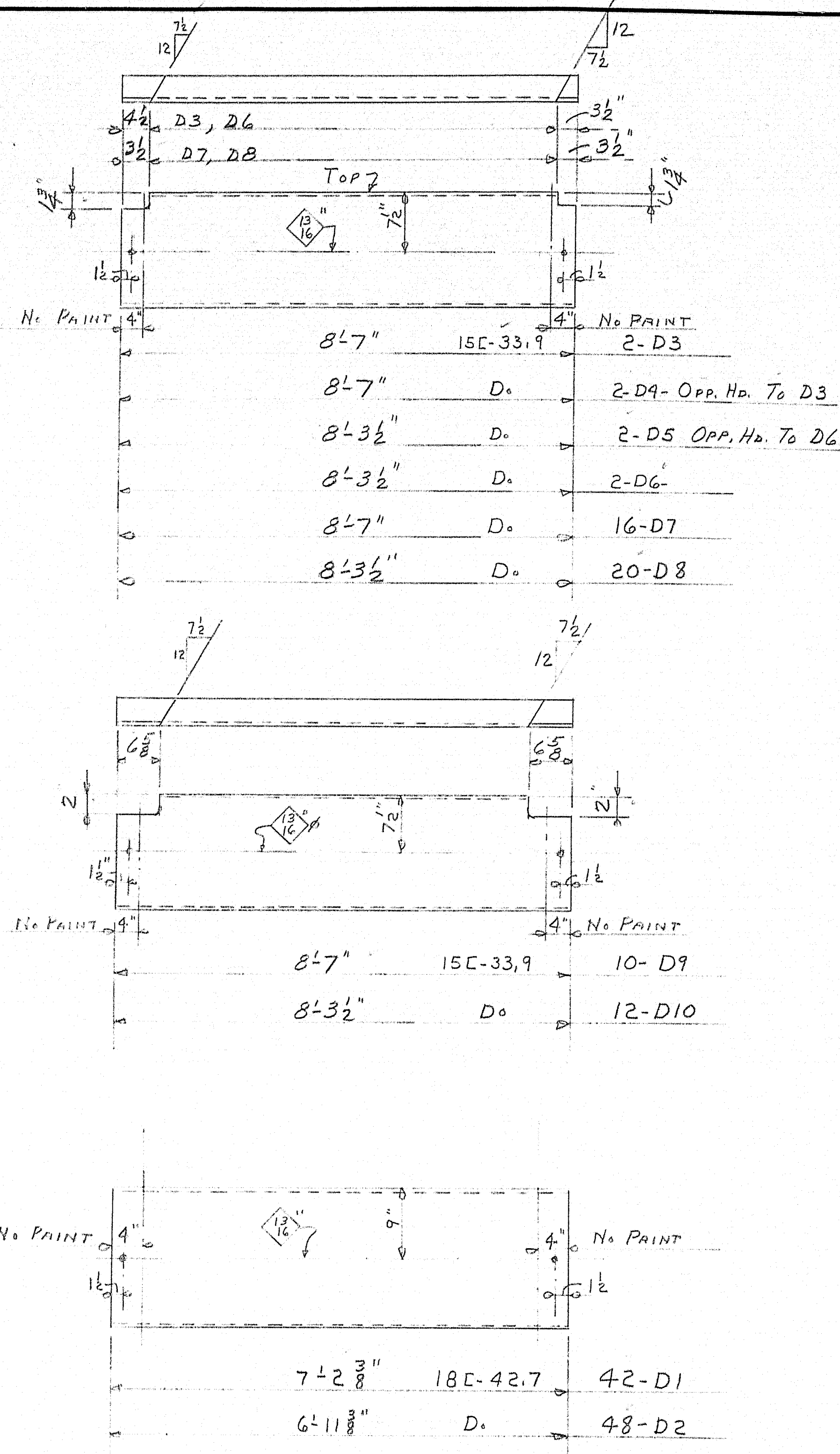
NOTES: SHOP CONN. WELDED
FIELD CONN. DU
PAINT: MAINE STATE. SPECS.

FRAMING PLAN	
Bancroft & Martin Rolling Mills Company Brewers, Maine	
BROADWAY BRIDGE BANGOR INTERSTATE	
CUSTOMER: H.B. FLEMING INC. DESIGNER: CLARKESON ENG. CO.	
ORDER NO. VERBAL	DWG. NO. B8-78-E1

6-DIST. 6-7-58	1-SHIP 6-2-58
6-DIST. 6-2-58	2-PIA-5-12-58
DRAWN 5-1-58	D.C.
REVISION 6-7-58	D.E.
REVISION	
REVISION	

APPROVED 5-19-58



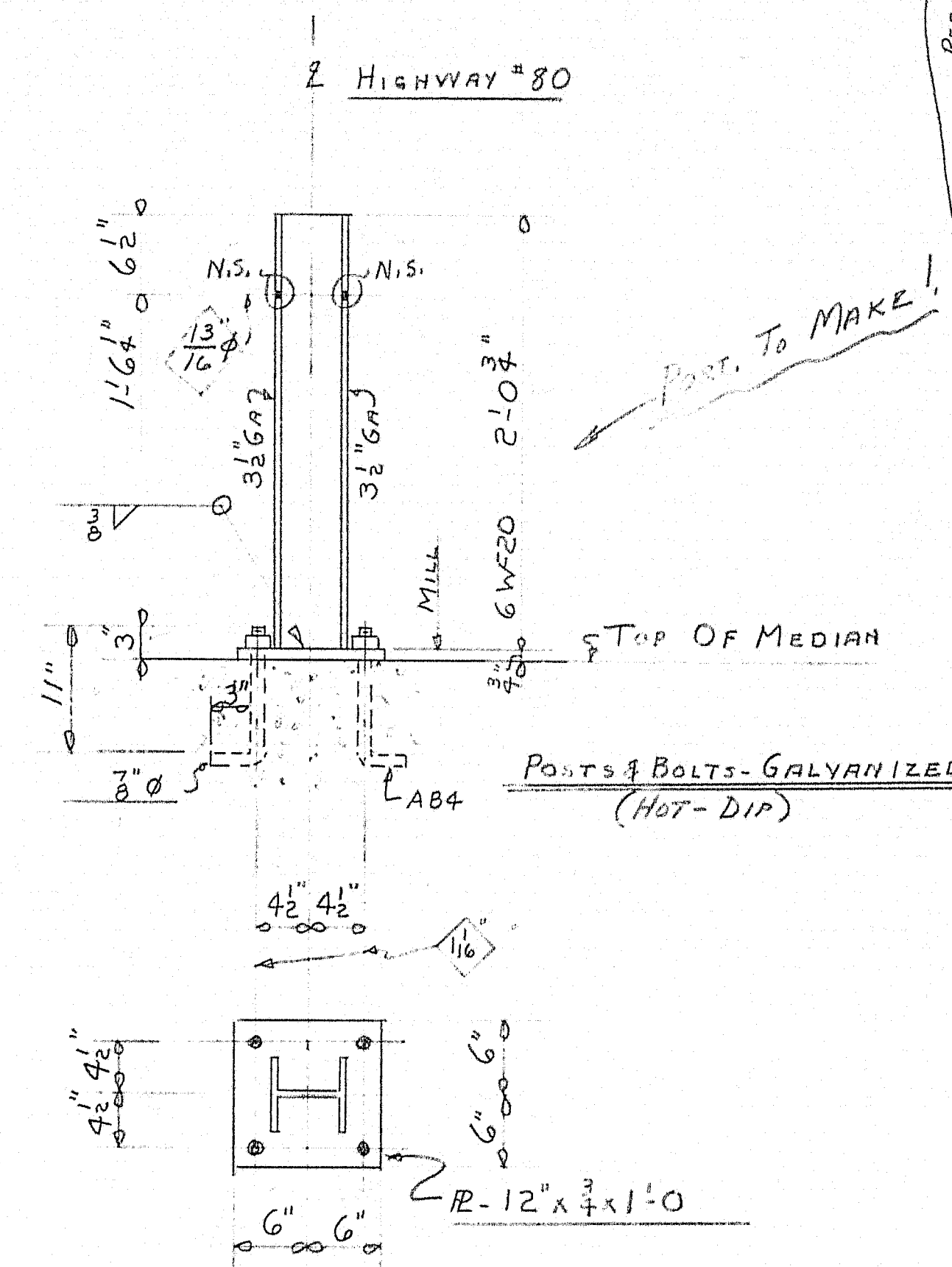


2-ABUT. BRN'G.

152'-6 1/4"

24- SPACES @ 6'-3" = 150'-0"

PLAN OF MEDIAN RAIL POSTS



25- RAIL POSTS REQ'D

RPI

SHIP		BILL OF MATERIAL				DWG. 88-78-54	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	NET DEDUCT	REMARKS
D1	42		18C-42.7	7' 2 3/8"			
D2	48		D.	6' 11 3/8"			
D3	2		15C-33.9	8' 7"		7#	
D4	2		D.	8' 7"		7#	
D5	2		D.	8' 3 1/2"		7#	
D6	2		D.	8' 3 1/2"		7#	
D7	16		D.	8' 7"		57#	
D8	20		D.	8' 3 1/2"		72#	
D9	10		D.	8' 7"		58#	
D10	12		D.	8' 3 1/2"		70#	
RPI	25		6WF20	2' 0 3/4"			
	25	RPI	R-12x 3/4	1' 0"		19#	
AB4	100		3/8" Rod	1' 2"			GALVANIZED
	100		3/8" NUTS				D.
	100		3/8" WASHERS				D.
SEE QUOTE FOR POSTS							

SHOP CONNECTIONS: WELD
FIELD CONNECTIONS: AS NOTED
HOLES: AS NOTED
PAINT: STATE OF MAINE SPEC.
RAIL POSTS AND BOLTS ARE GALVANIZED

APPROVED 5-17-58

DIAPHRAGMS & RAIL POSTS

Ramcraft & Martin Rolling Mills Company
Brewer, Maine

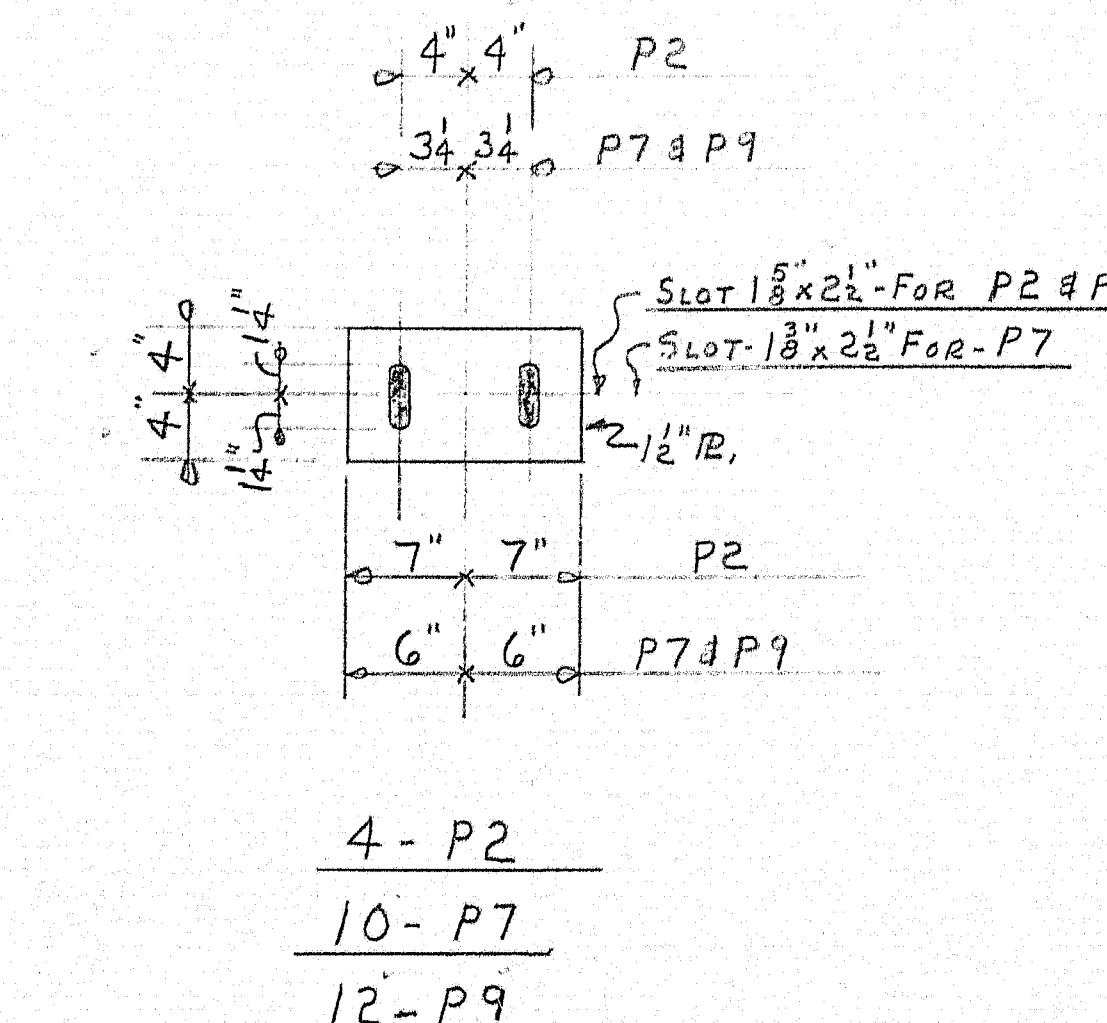
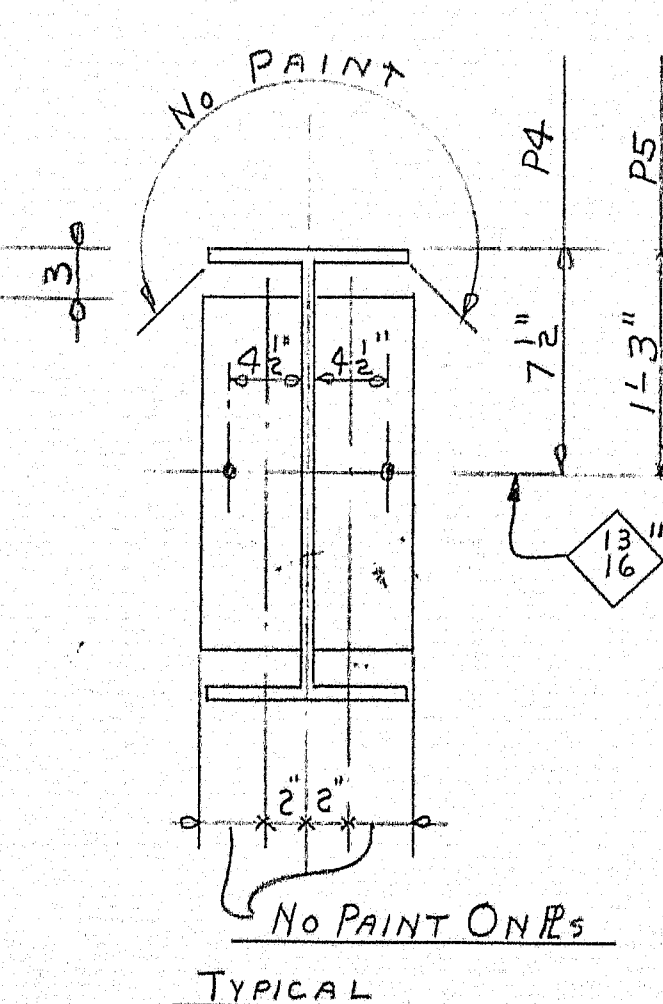
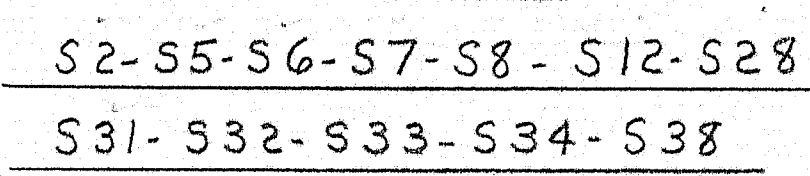
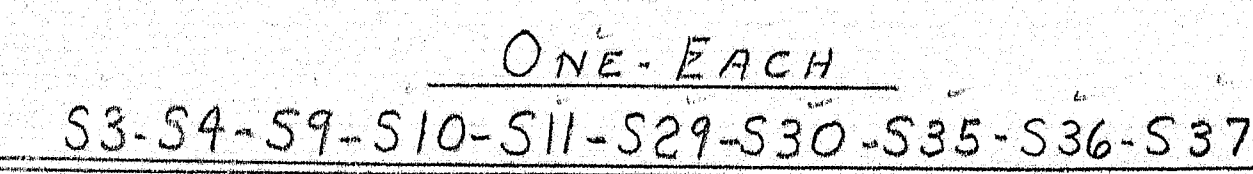
BROADWAY BRIDGE
BANDOR INTERSTATE

CUSTOMER H.B. FLEMING INC.
DESIGNER CLARKSON ENG. CO.

ORDER VERBAL DWG. 88-78-54

6-DIST. 6-2-58
4-SHIP 6-2-58
1-Req. #380 6-2-58
2-FIA-5-12-58

DRAWN	5-6-58	D.C.
REVISION		
REVISION		
REVISION		



NOTE - DRILL OR SLOT FLANGES TO MATCH PLATES

APPROVED 5-19-58

