

INDEX OF SHEETS

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STATE OF WISCONSIN
STATE HIGHWAY COMMISSION OF WISCONSIN

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
37.6	12.0		11.3	WIS. 4	1	20

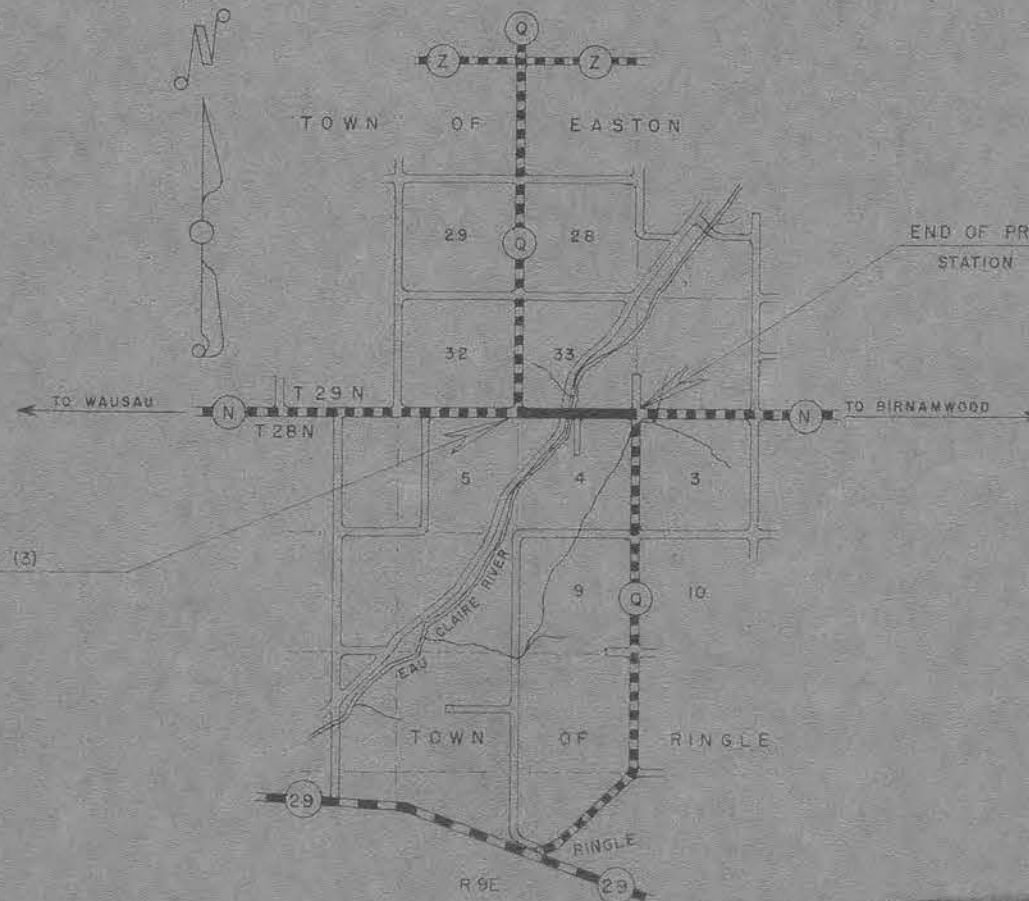
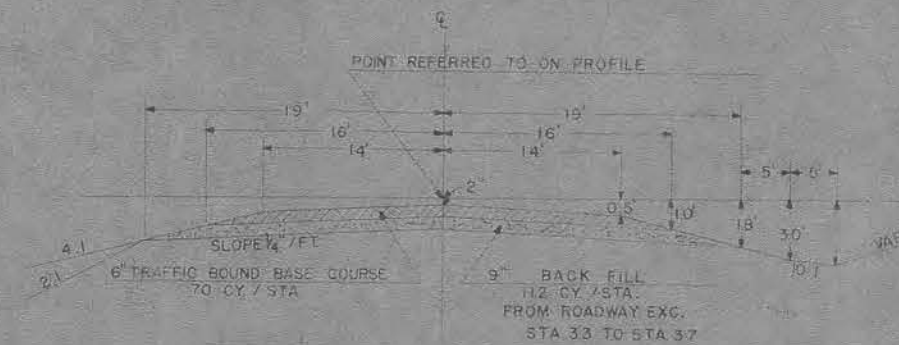
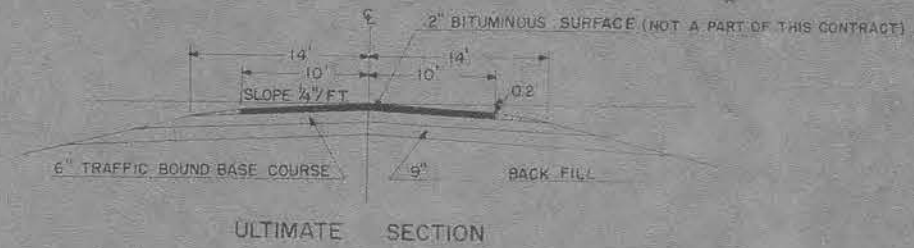
PLAN AND PROFILE OF PROPOSED
WAUSAU - BIRNAMWOOD

GLEASON BRIDGE

MARATHON COUNTY
PROJECT S 012 (3)

C.T.H. "N"

PLAN 1 IN. = 100 FT.
PROFILE HOR. 1 IN. = 100 FT. VERT. 1 IN. = 10 FT.
CROSS SECTIONS HOR. 1 IN. = 5 FT. VERT. 1 IN. = 5 FT.



BEGINNING OF PROJECT S 012 (3)
STATION 6+00

END OF PROJECT S 012 (3)
STATION 58+72.5

LAYOUT

SCALE 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 0.999 MI.

CONVENTIONAL SIGNS

- | | |
|--|--|
| <ul style="list-style-type: none"> STATE LINE COUNTY LINE TOWNSHIP OR RANGE LINE SECTION LINE NEW RIGHT OF WAY LINE PRESENT RIGHT OF WAY LINE WIRE FENCE (WOVEN) WIRE FENCE (BARBED) LOT LINE CORPORATE OR CITY LIMITS PROPERTY LINE TRAVELED WAY OR P.E. RAILROADS BASE OR SURVEY LINE | <ul style="list-style-type: none"> CULVERTS IN PLACE CULVERTS REQUIRED DROP INLET POWER POLE TELEPHONE OR TELEGRAPH POLE RIGHT OF WAY MARKERS REFERENCE STAKE FOR HUBS ONLY MARSH HEDGE TREES GROUND ELEVATION DATUM LINE GRADE ELEVATION DATUM LINE |
|--|--|

STATE HIGHWAY COMMISSION OF WISCONSIN
MADISON, WISCONSIN

DESIGNED BY: C.E.G. NOTED
 DISTRICT ENGINEER: C.E.G. M.D. SHROTER
 DISTRICT ENGINEER: J.G.E. CONROY

CORRECTED:
 DATE: 4/15/56
 DISTRICT ENGINEER

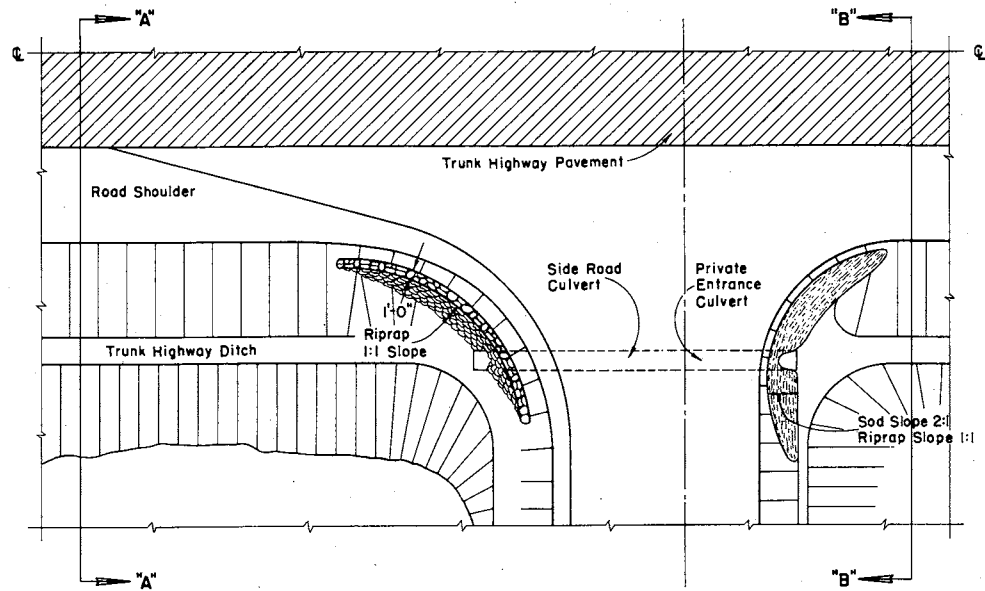
RECOMMENDED FOR APPROVAL:
 DATE: 4/15/56
 DISTRICT ENGINEER

APPROVED:
 DATE: 4/6/56
 STATE HIGHWAY ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED: _____ DATE: _____
 DISTRICT ENGINEER

S 012 (3)

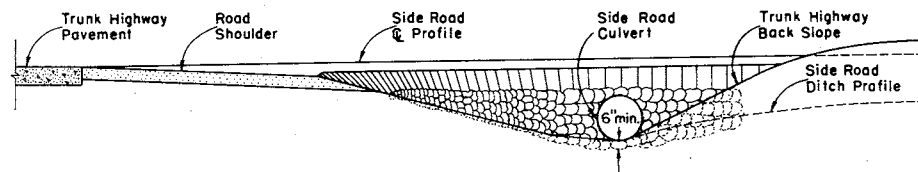


**PLAN VIEW
HALF SECTION SHOWING
RIPRAP PLACED AT
SIDE ROAD CULVERT**

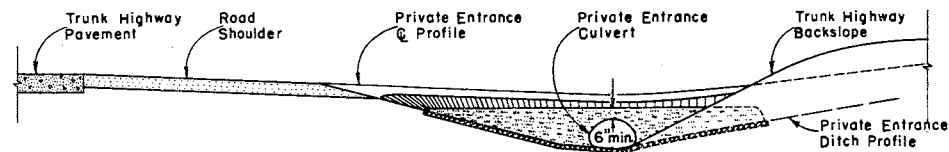
**PLAN VIEW
HALF SECTION SHOWING
SOD OR RIPRAP PLACED AT
PRIVATE ENTRANCE CULVERT**

TABLE OF QUANTITIES

SIDE ROAD CULVERTS		PRIVATE ENTRANCE CULVERTS		
Size of Culvert Pipe	Cu. Yds. Riprap One End	Size of Culvert Pipe	Cu. Yds. Riprap One End	Sq. Yds. Sod One End
—	—	18"	0.7	4
24"	1.0	24"	1.0	5
30"	1.3	30"	1.3	6
36"	2.0	36"	2.0	7
42"	2.7	42"	2.7	8
48"	3.6	48"	3.6	10



**ELEVATION VIEW SECTION "A-A"
SHOWING RIPRAP PLACED AT SIDE ROAD CULVERT**



**ELEVATION VIEW SECTION "B-B"
SHOWING SOD OR RIPRAP PLACED AT PRIVATE ENTRANCE CULVERT**

GENERAL NOTES
Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications, Section 2512 for Riprap, and Section 2533 for Sodding, and the applicable Special Provisions.

BID ITEMS
No. 2512 - 1 Riprap _____ Cu. Yds.
No. 2533 - 1 Sodding _____ Sq. Yds.

**RIPRAP AT SIDE ROAD CULVERTS
& RIPRAP OR SOD AT PRIVATE
ENTRANCE CULVERTS**

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

4/15/58
DATE

J. Pelt
ENGINEER OF DESIGN

APPROVED:

4/15/58
DATE

E. G. Rottman
STATE HIGHWAY ENGINEER

GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and applicable Special Provisions.

The Steel Plate Beam Guard shall consist of plate made of open hearth or electric furnace steel.

Plates shall be blanked to proper shape, fabricated and ready for assembly when received in the field. The plates shall be true to plan dimensions and of uniform section. Warped or deformed plates will be rejected. The edges of the plates shall be rolled or rounded so that they present no sharp edges. All connections and splices shall be formed with flat round headed bolts, or similar detail, so that no appreciable projection will be presented on the traffic side of the guard. The rail element shall be spliced by lapping in the direction of traffic or by butt joint with splice plate. The holes in the plate near the post shall be slotted to facilitate erection and to make provision for expansion and contraction. Plate ends in lap splices or plate ends and splice plate in butt splices shall make contact throughout the entire area of the splice.

TESTS

The elongation of a 2 inch specimen of the steel plate used in the rail element shall be not less than 12% when tested in tension.

The minimum tensile strength of the rail element shall, when tested in conjunction with splices and end connections, be 50,000 pounds. The rail element when loaded as a simple beam, freely supported at each end on 12'-6" centers, shall support a concentrated load of 2,000 pounds, applied at the center point, with a maximum deflection of 3 1/2 inches and shall support a concentrated load of 2,400 pounds, tested in like manner, with a maximum deflection of 5 1/2 inches.

PAINTING

SHOP COAT

Promptly following fabrication, the plates for steel rail element shall be thoroughly cleaned and shall be painted with a Red Lead Primer, or if an alternate of Red Lead Oxide Rust Inhibitive Primer or equivalent is used, the Engineer's prior approval shall be obtained. All parts, hardware and appurtenant fittings for the complete Beam Guard assembly shall likewise be painted when not furnished as galvanized.

FIELD COAT

Following erection, the steel rail elements and all parts, hardware and appurtenant fittings shall be painted in accordance with the Standard Specifications for Aluminum Paint, Section 4125.

Any damaged areas occurring to the shop coat during transportation or erection shall be cleaned and painted with an approved Rust Inhibitive Primer prior to any field coat painting.

Where the steel plate elements make contact with post mountings etc. all such areas which are impossible to paint after erection, shall be painted prior to erection.

All threaded portions of fittings and fasteners and cut ends of bolts shall be painted as specified or as directed by the Engineer.

ALTERNATE DESIGNS


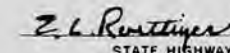
Manufacturers may submit to the Engineer, for approval, designs for "Steel Plate Beam Guard" other than those shown on this drawing, providing that such alternate designs shall conform to the same physical tests and inspection requirements prescribed on this drawing for "Class 'B' Steel Plate Beam Guard."

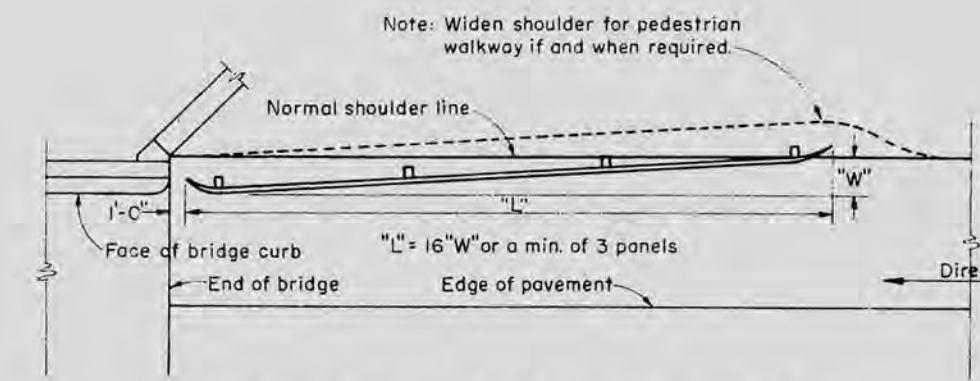
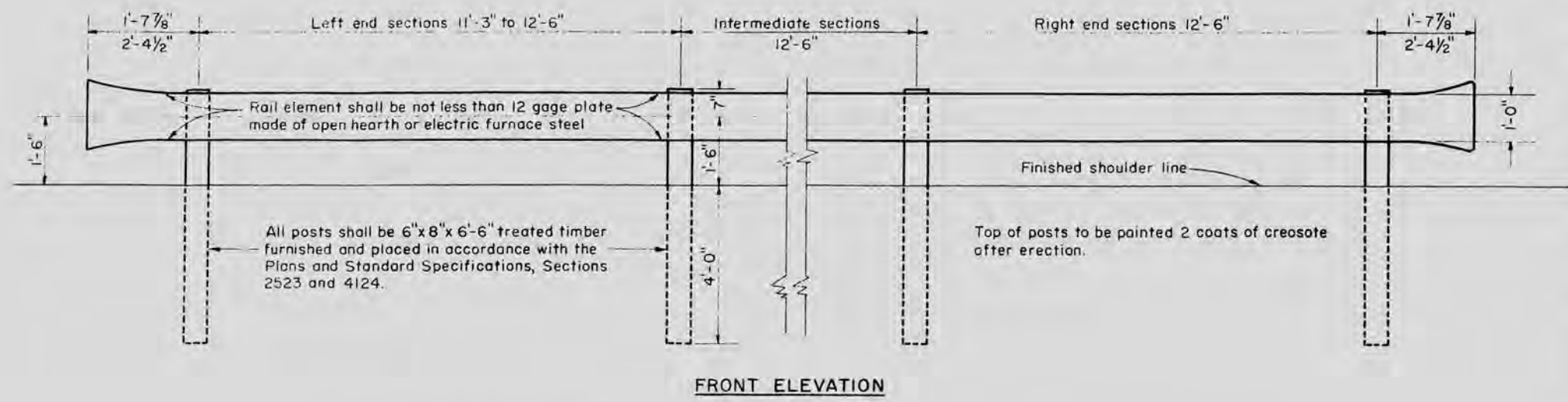
MEASUREMENT & PAYMENT

The items of "Class 'B' Steel Plate Beam Guard" and "Class 'B' Steel Plate Beam (Median) Guard" shall be measured and paid for at the contract unit price per linear foot, measured in place by length in linear feet from end to end of Steel Plate or Steel Plates, which price shall be full compensation for furnishing all materials and performing all installation work to completion in accordance with the Plans and the Standard Specifications, Sections 2523 and 4124.

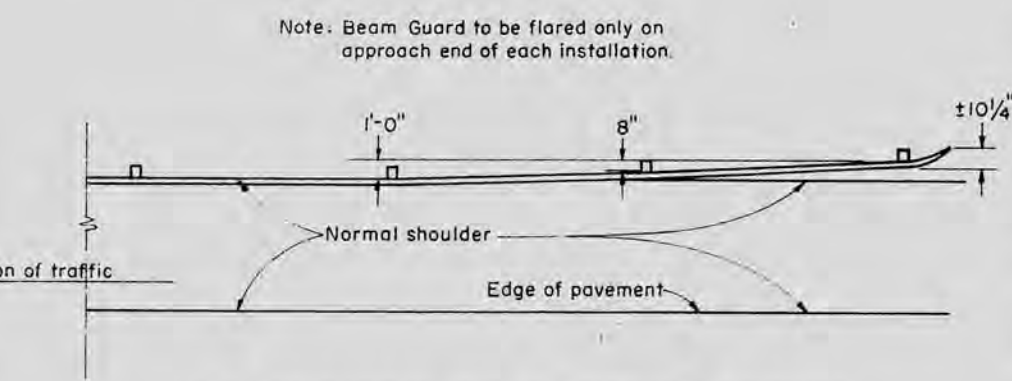
BID ITEMS

- No. 2523-6 Steel Plate Beam Guard (Class "B")..... Lin. Ft.
- No. 2523-7 Steel Plate Beam (Median) Guard (Class "B")..... Lin. Ft.

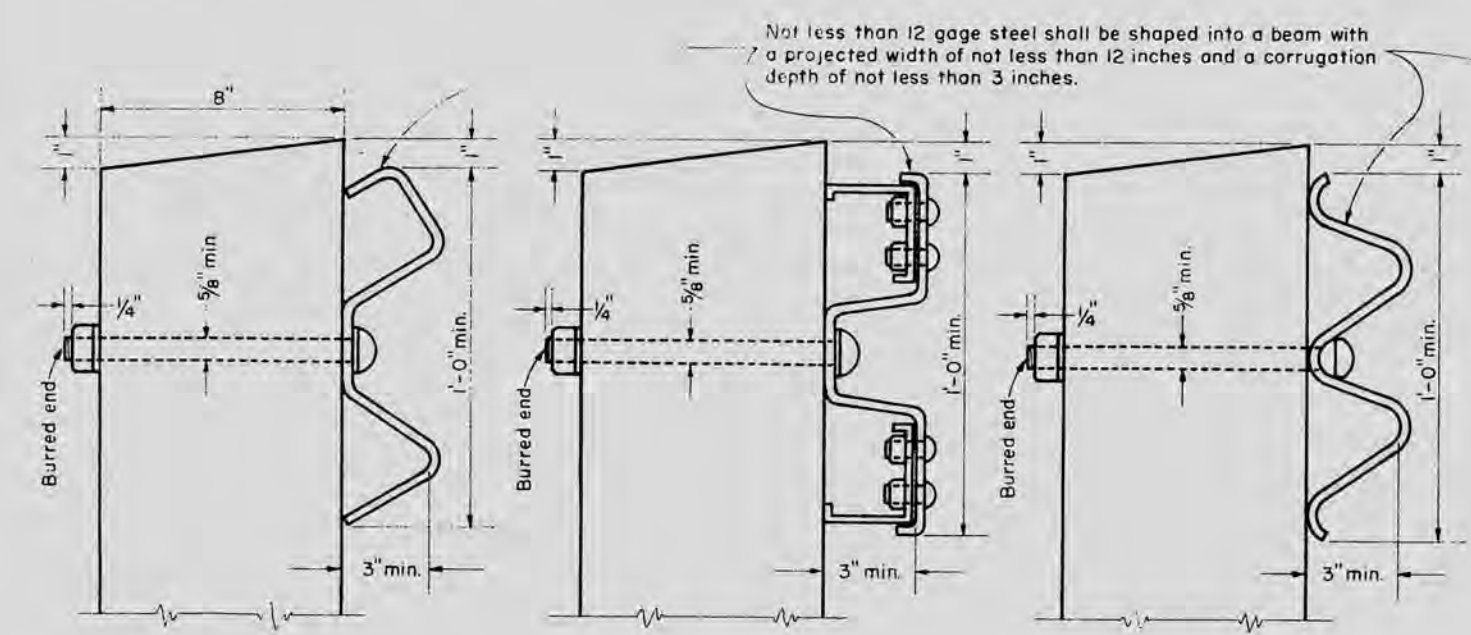
CLASS "B"	
STEEL PLATE BEAM GUARD & STEEL PLATE BEAM (MEDIAN) GUARD	
STATE HIGHWAY COMMISSION OF WISCONSIN	
RECOMMENDED FOR APPROVAL:	
DATE 12-21-53	 ENGINEER OF DESIGN
APPROVED:	
DATE 12/22/53	 STATE HIGHWAY ENGINEER
PLATE NO. 7-2.4.1	



LOCATION DIAGRAM FOR BRIDGE APPROACHES

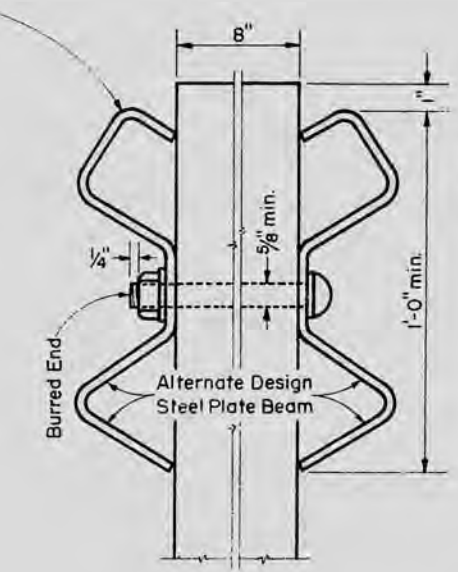


LOCATION DIAGRAM FOR INTERMEDIATE SECTIONS



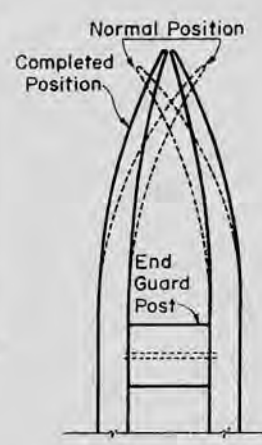
SIDE ELEVATIONS

ALTERNATE DESIGNS-STEEL PLATE BEAM GUARD (CLASS "B")

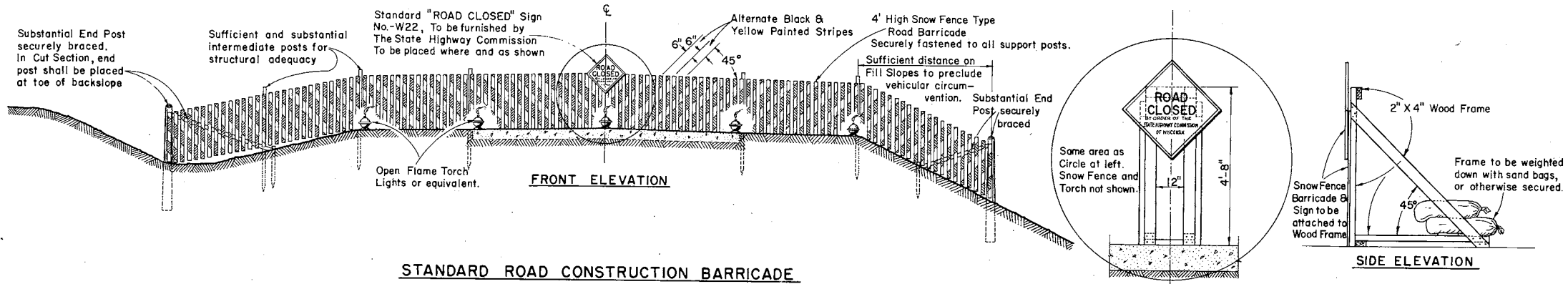


SIDE ELEVATION

ALTERNATE DESIGN - STEEL PLATE BEAM (MEDIAN) GUARD (CLASS "B")



PLAN VIEW TERMINAL SECTIONS



STANDARD ROAD CONSTRUCTION BARRICADE

SNOW FENCE TYPE-"A"

WOOD FRAME SUPPORT AT G FOR SNOWFENCE TYPE BARRICADE When Barricade is Erected on Rigid Type Surfacing

GENERAL NOTES

The Contractor shall construct, place and maintain barricades as shown on this drawing and as required by the Standard Specifications Section 1107 for the duration of the project. Barricades shall be painted and structurally maintained for maximum visibility at all times. Provision shall be made in the construction of barricades to provide for ingress and egress for local access as may be required.

ALTERNATE DESIGNS

Contractors may submit to the Engineer for approval, designs for Barricades other than shown on this drawing, and upon the Engineer's approval may be used as alternates.

MEASUREMENT & PAYMENT

All Barricades, unless otherwise provided for in the Plans and/or Special Provisions shall be furnished, placed, and maintained as noted above, and no additional compensation will be allowed but shall be construed to be included in the price bid for other items.

CONSTRUCTION BARRICADE	
STATE HIGHWAY COMMISSION OF WISCONSIN	
RECOMMENDED FOR APPROVAL:	
4/2/55 DATE	 ENGINEER OF DESIGN
APPROVED:	
6/2/55 DATE	 STATE HIGHWAY ENGINEER

ESTIMATE OF QUANTITIES

CONTRACT NO. 1

THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE HIGHWAY COMMISSION OF WISCONSIN - EDITION OF 1951. APPROVED JANUARY 23, 1952, FEDERAL AID REQUIRED CONTRACT PROVISIONS APPROVED JANUARY 31, 1955, AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS.

B. F. R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
WIS 5N	S-012 (3)	2	20

SEC. NO.	STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING		GRUBBING		REMOVING OLD CULVERT		REMOVING OLD BRIDGE		EXCAVATION						CONCRETE		TRAFFIC BOUND	CONCRETE PAVEMENT		CON- CRETE HEADERS	CON- CRETE SURFACE DRAINS	CONCRETE PAVEMENT REINF.	PREP ROAD-BED FOR BITUM SURF.	BITUM MAT. FOR PRIME COAT	BITUM ROAD MIX SURFACE	AGGREGATES FOR BITUM ROAD MIX SURFACE	BITUM MAT. FOR SURFACE COURSE
			2101-1	2101-3	2101-4	2101-6	2104-1	2104-2	UNCL.	ROCK	MARSH	SAND GRAVEL FILL (SALV.)	FINE GRADING	SHOULD- ER EMBANK- MENT	FIN- ISHING ROAD- WAY	OBLIT- ERATING OLD ROAD	BASE COURSE	BASE COURSE	BASE COURSE	2301-1	2301-	2301-5	2301-6	2301-7	2310-1	2311-	2313-1	2313-2	23
UNIT	LIN. FT.	STA.	STA.	L.S.	L.S.	2106-5	2105-2	2106-4	2101-	2112-	2113-	2114-	2116-	2201-	2204-1	2301-1	2301-	2301-5	2301-6	2301-7	2310-1	2311-	2313-1	2313-2	23				
	6+00 TO 58+72.5	5,272.5	3	3			19,518							53				4,010											
TOTAL		5,272.5	3	3			19,518							53				4,010											

* INCLUDES 296 C.Y. FOR P.E.'S & S.R.'S

BRIDGES (STRUCTURES OVER 20 FT. SPAN)

CULVERTS (STRUCTURES 20 FT. SPAN)

REMOVE OLD BRIDGE	CONC. MON. EXC.	EXCAVATION FOR STRUCTURES	SAND GRAVEL FILL	CON- CRETE MASON- RY	BAR STEEL REINF.	STRUC- TURAL CARBON STEEL	STEEL CAST- INGS	CARBON STEEL FORG- INGS	SHEET LEAD	SHEET ZINC	TRTD. LUMBER AND TEST	UNTRD. LUMBER	UNTREATED TIMBER PILING		TREATED TIMBER PILING		FLOOR DRAINS	RIP- RAP	REMOVE OLD CULV'T	CONC. MON. EXC.	EXCAVATION FOR STRUCTURES	SAND GRAVEL FILL	CON- CRETE MASON- RY	BAR STEEL REINF.	STRUC- TURAL CARBON STEEL	STEEL CAST- INGS	CARBON STEEL FORG- INGS	SHEET LEAD	SHEET ZINC	TRTD. LUMBER AND TEST	UNTRD. LUMBER	UNTREATED TIMBER PILING		TREATED TIMBER PILING		FLOOR DRAINS	RIP- RAP						
													DELIV- ERED	DRIV- EN	DELIV- ERED	DRIV- EN																DELIV- ERED	DRIV- EN	DELIV- ERED	DRIV- EN								
STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.				
1	460	257.8	36,300	128,790					226	87									230																								

STATION	P.E. & S.R.		TOTAL REQ'D (NEW)	SALVAGE		RIP RAP
	L	R		DIAM. - IN.	LTH. - FT.	
6+00	X		24	36		6
20+82	X		24	24		6
20+96		X	18	24		6
28+68		X			FROM 28+78	6
28+78	X		30	42	24	36
32+06		X	18	24		6
32+45		X	18	30		6
36+45		X	18	24		4
38+53	X		18	24		
46+54	X		18	24		
53+55	X				NONE REQ.	
58+73	X		18	30		

CLEARING AND GRUBBING			
STA. TO STA.	CLEAR - STA.	GRUB - STA.	
31+50 TO 34+50	3	3	

SEC. NO.	RUBBLE MASONRY	CULVERT	PIPE	CONCRETE CULVERT PIPE		RIP RAP	HEAVY RIP RAP	RUBBLE PAVING	DITCH CHECKS	PIPE UNDER DRAIN	STORM	SEWER	CATCH BASINS	MANHOLES	INLETS	CONCRETE			GUARD		FENCE		MARK- ER POSTS FOR R.O.W.	MARK- ER POSTS FOR R.O.W.	CALCIUM CHLORIDE SURFACE TREATMENT	TOP SOIL	SAL- VAGED TOP SOIL	FER- TIL- IZER	SEEDING	SOO- DING	STEEL PLATE BEAM GUARD CLASS "B"							
				CURB	CURB AND GUTTER											SIDE WALK	STEEL PLATE BEAM GUARD CLASS "B"	TIMBER RAIL	ANCHOR AGES FOR CABLE	MARK- ER POSTS FOR R.O.W.	MARK- ER POSTS FOR R.O.W.	STATION TO STATION									LEFT LIN. FT.	RIGHT LIN. FT.						
UNIT	UNIT	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	CY	CY	SQ. YD.	SQ. YD.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.		
	180	60	42			161													258																			

7- 12.5' SECTIONS OF BEAM TYPE GUARD FENCE TO BE FABRICATED IN SHOP TO A CURVATURE OF A 30 RADIUS.

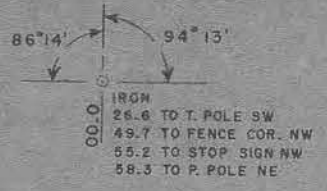
BENCH MARKS			
1	5+64	TOP END N. PIPE BLDG. 95' L	300.00
2	23+36	SPIKE IN 20" PINE	95' L 259.97
3	28+85	" " 10" ELM	70' R 249.57
4	31+65	" " 10" ELM	45' R 258.32

S 012 (3) 3 20

SEC 32
T 29 N
R 9 E

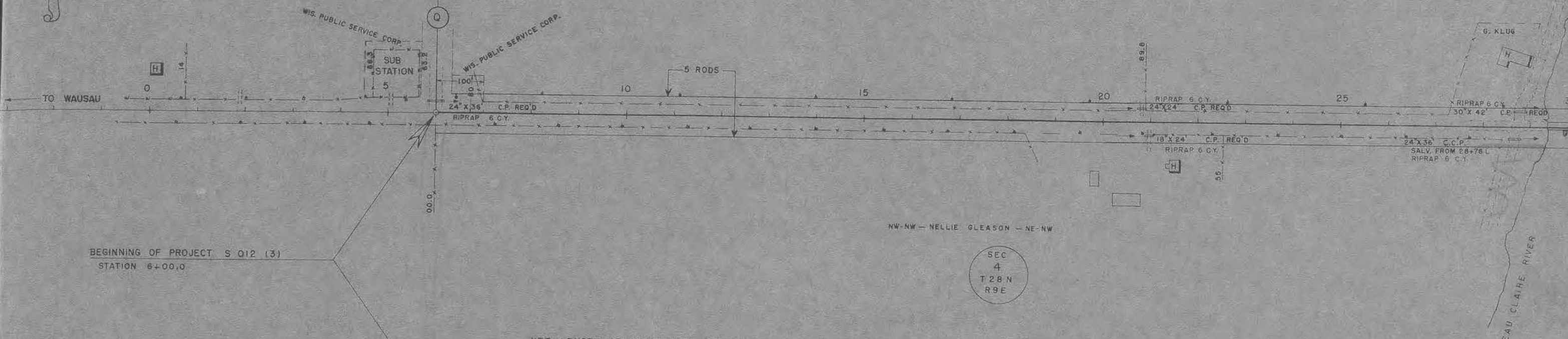
SEC 33
T 29 N
R 9 E

SEC 4
T 28 N
R 9 E



SW-SW-EX. - ALEX FALKOWSKI - SE-SW-EX.

NW-NW - NELLIE GLEASON - NE-NW



BEGINNING OF PROJECT S 012 (3)
STATION 6+00.0

NET LENGTH OF CENTERLINE STA. 6+00.0 TO STA. 29+00.0 = 2,300 LINEAL FEET

UNC = 4006 C.Y.
F = 3081 C.Y.
BF = 2590 C.Y.
SHG = 30%
F = 5671 C.Y.

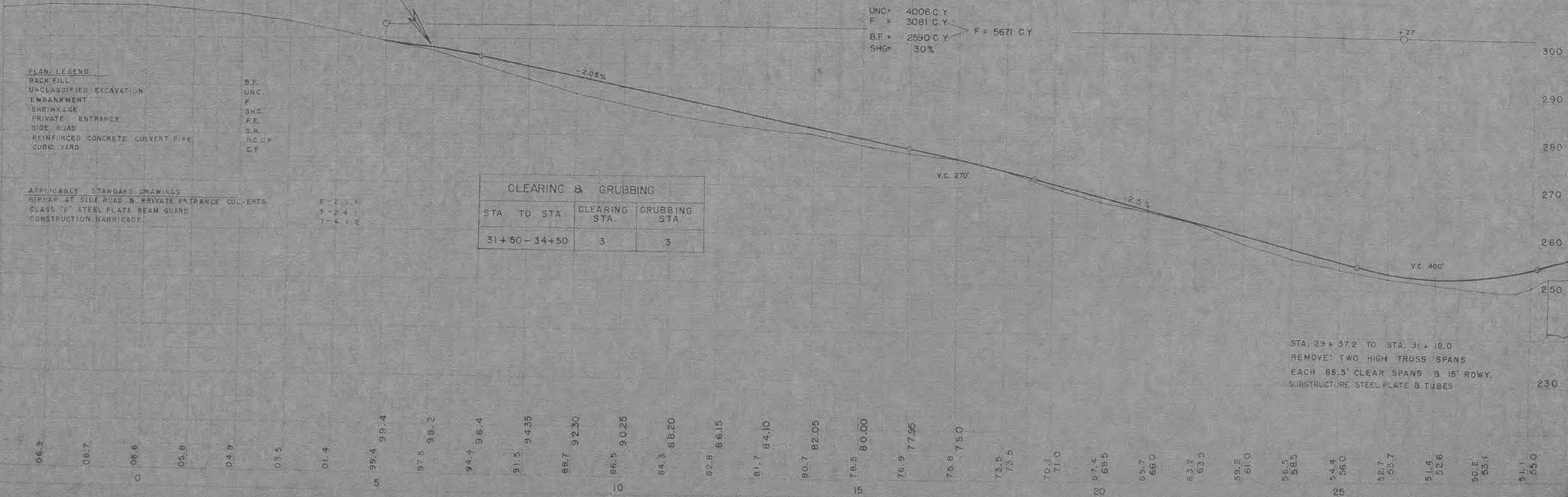
- PLAN LEGEND
- BACK FILL
 - UNCLASSIFIED EXCAVATION
 - EMBANKMENT
 - SHRINKAGE
 - PRIVATE ENTRANCE
 - SIDE ROAD
 - REINFORCED CONCRETE CULVERT PIPE
 - CUBIC YARD

- B.F.
- UNC.
- F
- SHG
- R.E.
- S.R.
- R.C.U.P.
- C.Y.

- APPLICABLE STANDARD DRAWINGS
- RIPRAP AT SIDE ROAD & PRIVATE ENTRANCE CULVERTS
 - CLASS "E" STEEL PLATE BEAM GUARD
 - CONSTRUCTION BARRICADE

8-2-3-1
7-2-4-1
7-4-1-2

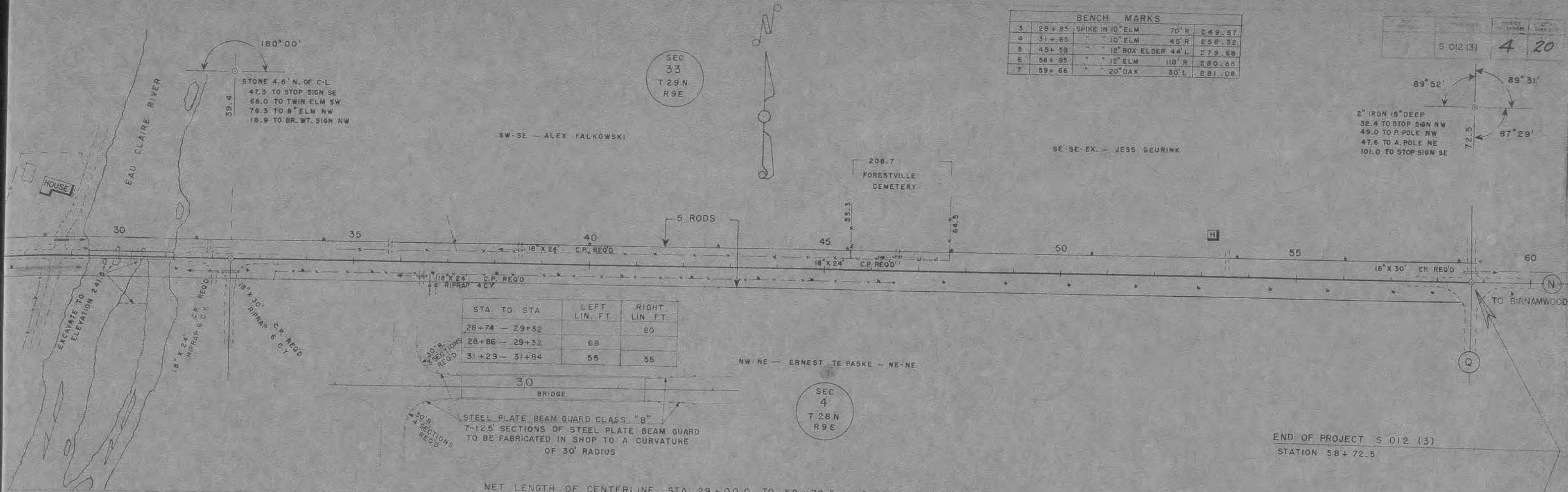
CLEARING & GRUBBING			
STA. TO STA.	CLEARING STA.	GRUBBING STA.	
31+50 - 34+50	3	3	



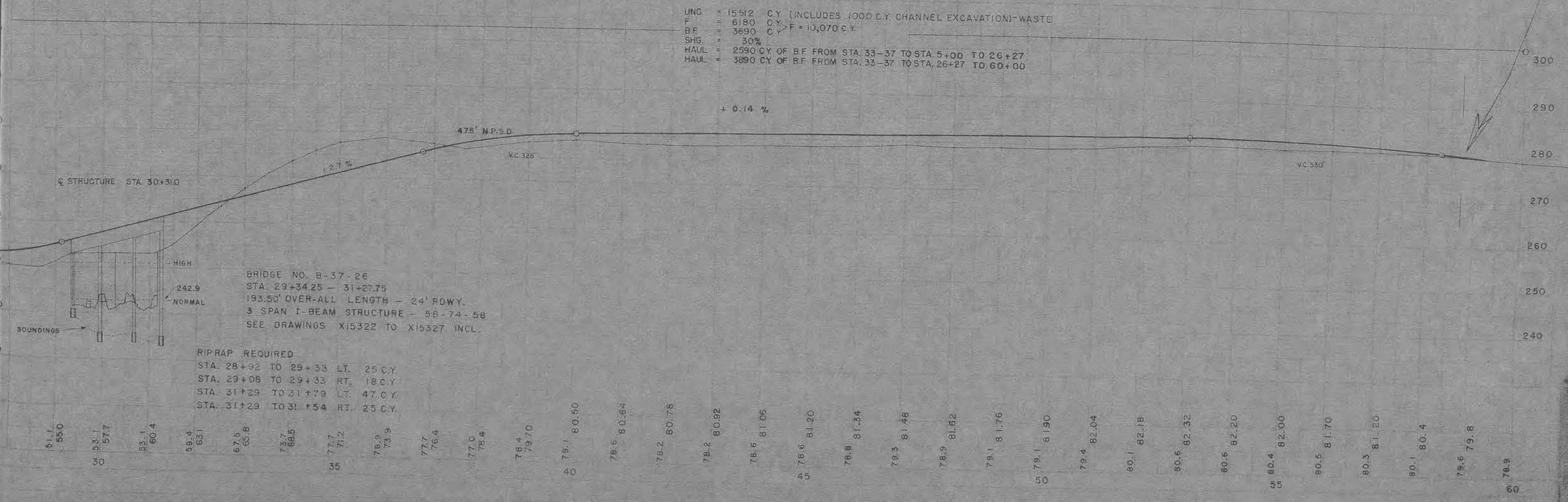
STA. 29+37.2 TO STA. 31+18.0
REMOVE TWO HIGH TRUSS SPANS
EACH 86.5' CLEAR SPANS @ 15' RDWY.
SUBSTRUCTURE STEEL PLATE & TUBES

BENCH MARKS					
3	28+85	SPIKE IN 10" ELM	70' R	249.57	
4	31+65	" 10" ELM	45' R	258.32	
5	45+09	" 12" BOX ELDER 44' L		279.68	
6	58+95	" 12" ELM	110' R	280.65	
7	59+66	" 20" OAK	30' L	281.08	

5.012 (3)	4	20
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- UNC = 15512 C.Y. (INCLUDES 1000 C.Y. CHANNEL EXCAVATION)-WASTE
- F = 6180 C.Y. F = 10,070 C.Y.
- BF = 3690 C.Y.
- SHG = 30%
- HAUL = 2590 C.Y. OF BF FROM STA. 33-37 TO STA. 5+00 TO STA. 26+27
- HAUL = 3690 C.Y. OF BF FROM STA. 33-37 TO STA. 26+27 TO STA. 60+00



SUPERSTRUCTURE

BILL OF BARS
DIMENSIONS IN BENDING ARE OUT TO OUT

PIERS

23,560*

5,580*

POUR	MARK	NO.	SIZE	LENGTH	SPACING	LOCATION	DETAIL
POUR 1	31	116	5	24-0	7	FLOOR - TOP & BOTTOM	
	32	34	5	24-9	1-6	" - "	
	33	24	5	24-9	1-1	" - BOTTOM	
POUR 2	51	260	5	24-0	7	FLOOR - TOP & BOTTOM	
	52	51	5	24-9	1-6	" - "	
	53	36	5	24-9	1-1	" - BOTTOM	
	54	16	5	30-0	1-6	" - TOP (SYM. ABOUT C. OF PIER)	
POUR 3	51	286	5	24-0	7	FLOOR - TOP & BOTTOM	
	52	51	5	24-9	1-6	" - "	
	53	36	5	24-9	1-1	" - BOTTOM	
	54	16	5	30-0	1-6	" - TOP (SYM. ABOUT C. OF PIER)	

POUR	MARK	NO.	SIZE	LENGTH	SPACING	LOCATION	DETAIL
FOOTINGS	P1	56	5	6-3	6	FOOTINGS	
	P2	52	4	6-9	6	" - "	
	P3	56	7	8-3	SHOWN	" - DOWELS	
COLUMNS & GIRDER	P4	28	7	11-3	SHOWN	COLUMN VERTICAL - PIER 1	
	P5	26	7	13-3	SHOWN	" - " - " 2	
	P6	124	3	7-6	1-0	" - HOOPS - PIERS 1 & 2	E
	P7	6	9	21-0	SHOWN	GIRDER - BOTTOM	F
	P8	8	9	21-0	SHOWN	" - "	
	P9	24	8	12-9	SHOWN	" - CORNERS	A
	P10	12	4	12-0	2-0	STIRRUPS	D
	P11	4	4	12-9	1-6	" - "	D
	P12	4	4	13-6	1-6	" - "	D
	P13	4	4	14-3	1-6	" - "	D
	P14	4	4	13-0	SHOWN	" - TIES	
	P15	56	4	4-6	6	GRIDS	C
	P16	24	4	3-6	SHOWN	" - "	

WEST ABUTMENT

2,770*

EAST ABUTMENT

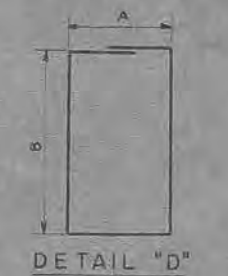
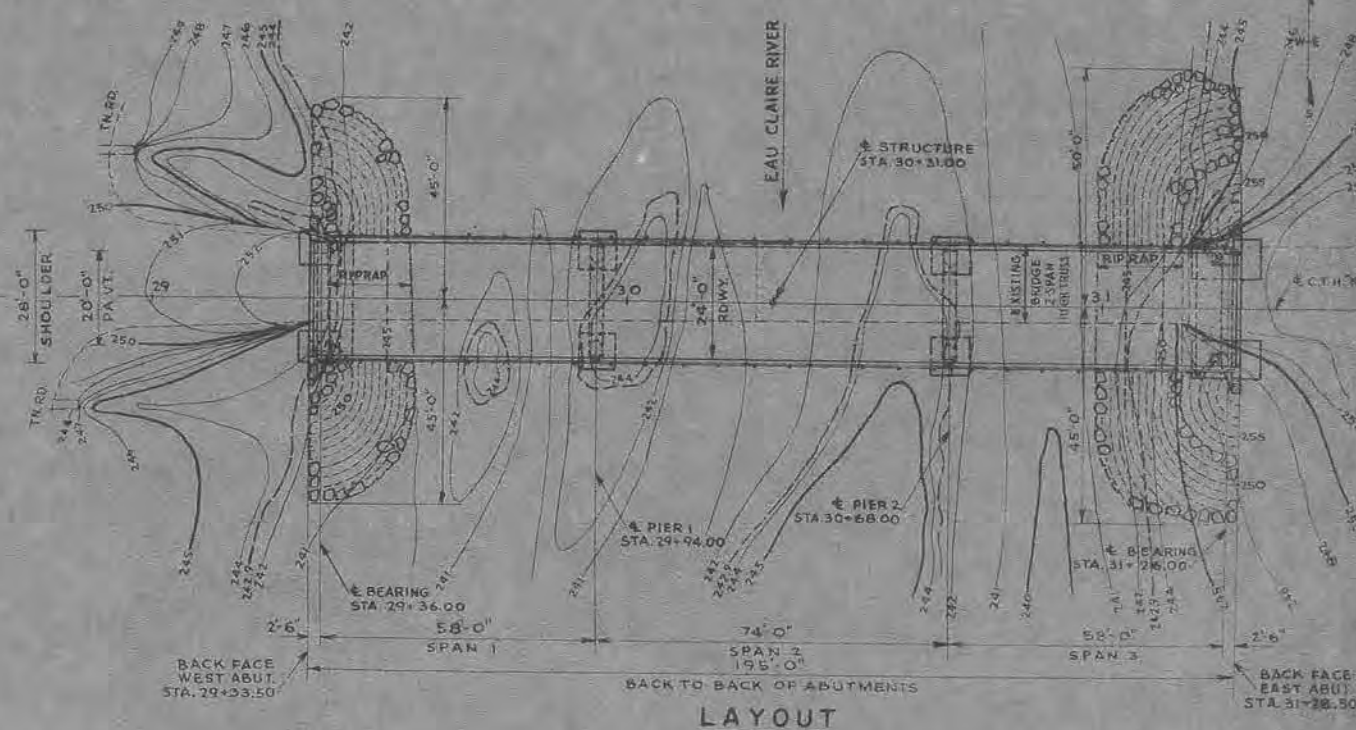
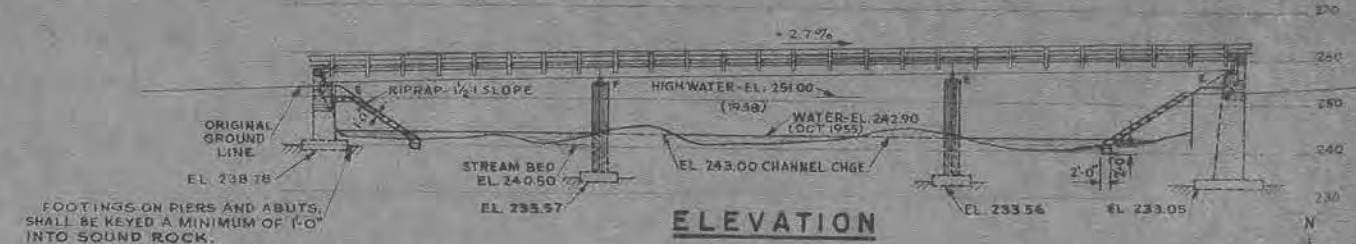
4,990*

POUR	MARK	NO.	SIZE	LENGTH	SPACING	LOCATION	DETAIL
FOOTINGS	B1	18	5	6-6	6	FOOTING	
	B2	34	5	4-6	6	" - "	
	B3	8	9	6-0	SHOWN	" & COLUMNS - BACK FACE	A
	B4	24	6	4-9	SHOWN	" - SIDES	
	B5	4	6	4-9	SHOWN	" - FRONT FACE	
COLUMNS - HOOPS	B6	4	3	13-3	1-0	COLUMNS - HOOPS	D
	B7	4	3	13-0	1-0	" - "	D
	B8	4	3	12-6	1-0	" - "	D
	B9	4	3	12-3	1-0	" - "	D
	B10	8	9	12-3	SHOWN	" & GIRDER - BACK FACE	
COLUMNS - GIRDER & BODY	B11	24	6	9-9	SHOWN	" - SIDES	
	B12	4	6	9-9	SHOWN	" - FRONT FACE	
	B13	3	9	17-0	SHOWN	GIRDER - BOTTOM	
	B14	2	9	21-0	SHOWN	" - "	
	B15	4	6	21-0	SHOWN	" - FRONT FACE	
COLUMNS, GIRDER & BODY	B16	8	6	10-0	9	" - BACK	
	B17	1	4	17-3	SHOWN	" - TIE BARS	
	B18	10	4	15-3	2-0	STIRRUPS	D
	B19	8	5	4-0	SHOWN	HAUNCH	
	B20	8	6	10-0	SHOWN	PARAPET	
	B21	2	4	15-6	SHOWN	" - "	
	B22	17	5	7-6	1-6	" - "	B
	B23	4	5	18-0	SHOWN	" - "	
	B24	4	4	8-3	1-0	WINGS	B
	B25	6	4	7-9	1-0	" - "	B
	B26	4	4	2-3	1-0	" - "	
	B27	6	4	4-0	1-0	" - "	
	B28	4	4	7-0	1-0	" - "	
	B29	4	4	5-0	1-0	" - "	
	B30	24	4	4-0	SHOWN	GRID	C
	B31	16	4	2-6	SHOWN	" - "	

POUR	MARK	NO.	SIZE	LENGTH	SPACING	LOCATION	DETAIL
FOOTINGS	A1	38	6	13-6	5	FOOTING - BOTTOM	
	A2	66	4	7-6	5	" - "	
	A3	10	5	6-9	1-6	" - TOP	
	A4	12	5	13-6	1-6	" - "	
	A5	14	4	7-6	1-0	" - "	
	A6	8	4	7-6	2-0	" - "	
	A7	12	9	9-3	SHOWN	" & COLUMN	A
	A8	8	9	5-3	9	" - "	A
	A9	24	6	7-6	SHOWN	" - "	
	A10	4	6	8-0	SHOWN	" - "	
COLUMNS, GIRDER & BODY	A11	8	9	20-0	SHOWN	COLUMN & GIRDER - BACK FACE	
	A12	24	6	16-9	SHOWN	" - SIDES	
	A13	4	6	16-9	SHOWN	" - FRONT FACE	
	A14	6	3	18-0	1-0	" - HOOPS	D
	A15	6	3	15-3	1-0	" - "	D
	A16	6	3	14-6	1-0	" - "	D
	A17	6	3	13-9	1-0	" - "	D
	A18	4	3	13-0	1-0	" - "	D
	A19	6	3	11-3	1-0	" - "	D
	A20	3	9	11-0	SHOWN	GIRDER - BOTTOM	
	A21	2	9	21-0	SHOWN	" - "	
	A22	4	6	21-0	SHOWN	" - FRONT FACE	
	A23	8	6	10-0	9	" - BACK	
	A24	10	4	15-3	2-0	STIRRUPS	D
	A25	8	5	4-0	SHOWN	HAUNCH	
	A26	4	4	8-3	1-0	PARAPET	B
	A27	6	4	9-9	1-0	" - "	B
A28	17	5	7-6	1-6	" - "	B	
A29	8	6	10-0	SHOWN	" - TOP		
A30	2	4	15-6	SHOWN	" - TIE BARS		
A31	4	4	2-3	1-0	WINGS - VERTICAL - FRONT FACE		
A32	6	4	4-0	1-0	" - "		
A33	4	4	7-0	1-0	" - HORIZONTAL		
A34	4	4	5-0	1-0	" - "		
A35	4	5	18-0	SHOWN	" - "		
A36	1	4	17-3	SHOWN	GIRDER - TIE BAR - TOP - FRONT FACE		
A37	16	4	2-6	SHOWN	GRID	C	
A38	24	4	4-0	SHOWN	" - "		

NO.	STA. NO.	DESCRIPTION	ELEV.
4	31+65.00	SPIKE IN 10' ELM. 45' R.	258.32

COUNTY	ROUTE	CLASS & AGREEMENT	S.C.R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
376	12.0	11.3	4	5012(3)	8	20



BAR	A	B
A14	2-2	3-4
A15	2-2	4-11/2
A16	2-2	4-7
A17	2-2	4-2 1/2
A18	2-2	3-10
A19 & B9	2-2	3-5 1/2
A24 & B18	3-5	3-8
B6	2-2	4-0
B7	2-2	3-9 1/2
B8	2-2	3-6 1/2
P10	2-5	3-2
P11	2-5	3-6
P12	2-5	3-9
P13	2-5	4-3

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED
ALL CONCRETE MASONRY SHALL BE GRADE "AA"
BEVEL EXPOSED EDGES OF CONCRETE, IF UNLESS OTHERWISE SPECIFIED
BAR STEEL REINFORCEMENT SHALL BE IMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
THE USE OF STRUCTURAL GRADE BAR STEEL REINFORCEMENT IS PROHIBITED.
ALL RIVETS SHALL BE 3/4" RIVETS UNLESS OTHERWISE SPECIFIED.
THE TOP AND SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE RIPRAPPED AS SHOWN IN SECTION A1' ON DRAWING A15325 AND SECTION A1' ON DRAWING A15327 AND TO THE EXTENT SHOWN IN LAYOUT ABOVE ON THIS DRAWING.



LIST OF DRAWINGS

1. LAYOUT AND BILL OF BARS	X 15323
2. SUPERSTRUCTURE	X 15324
3. WEST ABUTMENT	X 15325
4. EAST ABUTMENT	X 15326
5. PIERS	X 15327
6. EAST ABUTMENT	X 15327

TOTAL ESTIMATED QUANTITIES

BID ITEMS	UNIT	SUPER-STRUCTURE	WEST ABUT.	PIERS	EAST ABUT.	TOTAL
EXCAVATION FOR STRUCTURES	C.Y.		50	140	270	460
CONCRETE MASONRY	C.Y.	109.3	34.8	58.3	55.4	258.8
BAR STEEL REINFORCEMENT	LB.	23,560	2,770	5,580	4,990	36,900
STRUCTURAL CARBON STEEL	LB.	127,750		1,040		128,790
SHEET LEAD	LB.	226				226
SHEET ZINC	LB.	87				87
RIPRAP	C.Y.		100		130	230
NON-BID ITEMS						
EXPANSION JOINT FILLER	SIZE	1"				1"

STATE HIGHWAY COMMISSION OF WISCONSIN
LAYOUT & BILL OF BARS
MARATHON EASTON & RINGLE
SECTION 33 & 4
28.5 29-N
30+31.00
31+28.00
32+56
LEB
1951
1040 H15

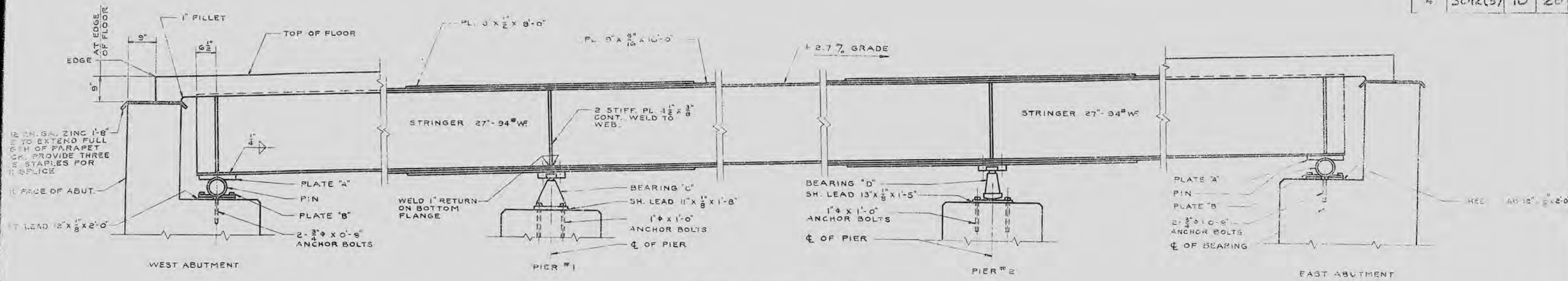
H. B. Schull
E. C. Partridge

* THE DESIGN OF THIS STRUCTURE IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, A.A.S.H.O., EDITION OF 1955.

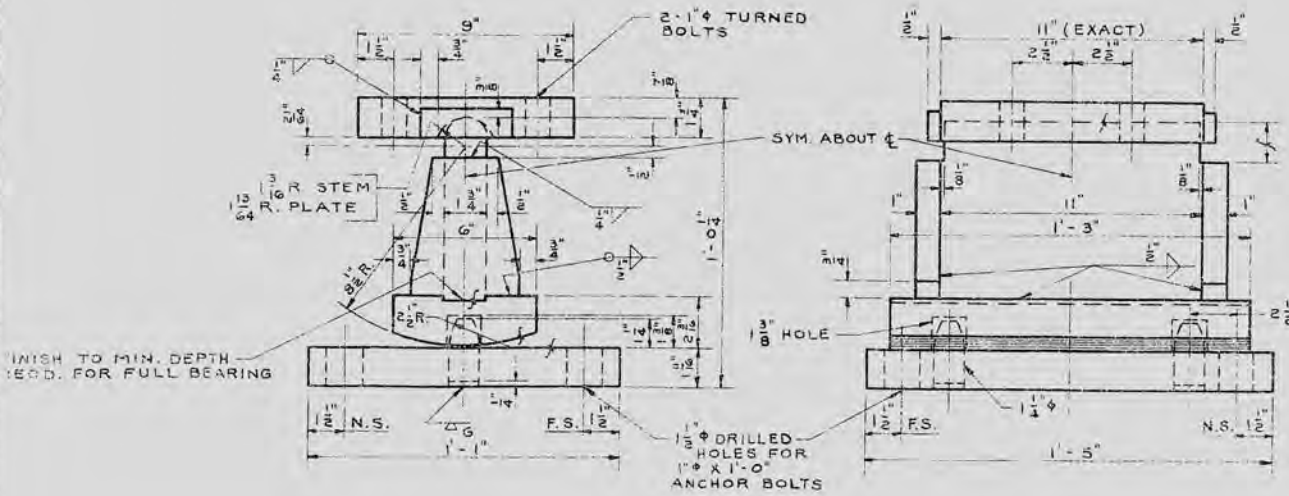
STRUCTURE B-37-26 SHEET 1 OF 6

X 15322

NO. SHEETS	PROJECT	SHEET NO.	TOTAL SHEETS
4	SO1R(3)	10	20



LONGITUDINAL SECTION



BEARING D
WT. OF ONE BEARING - 282# 4 REQD.

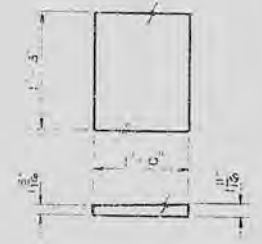
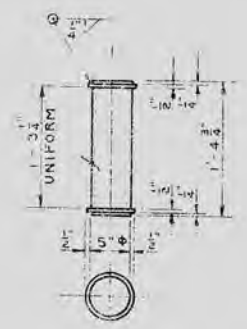


PLATE A
6 REQD.



PIN
8 REQD.

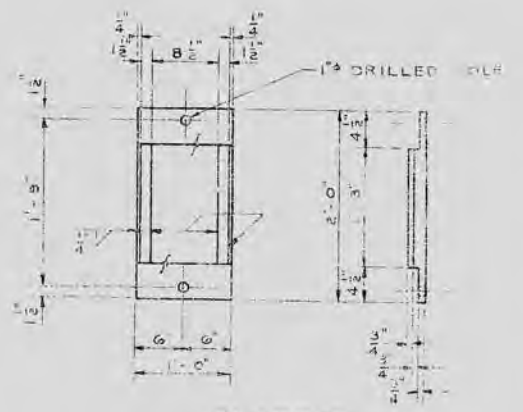
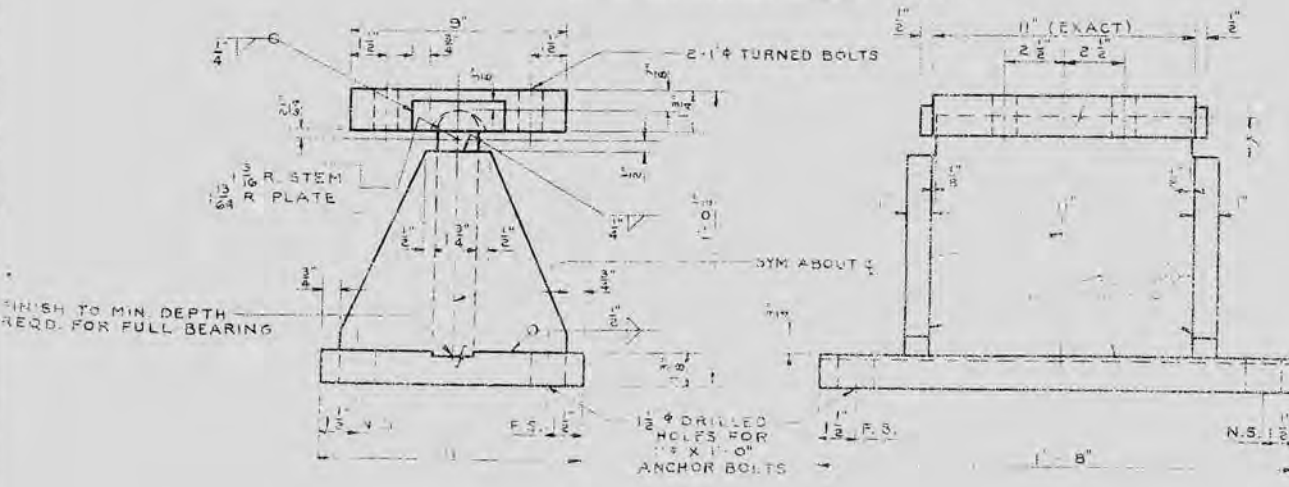


PLATE B
6 REQD.

ABUTMENT BEARING DETAILS



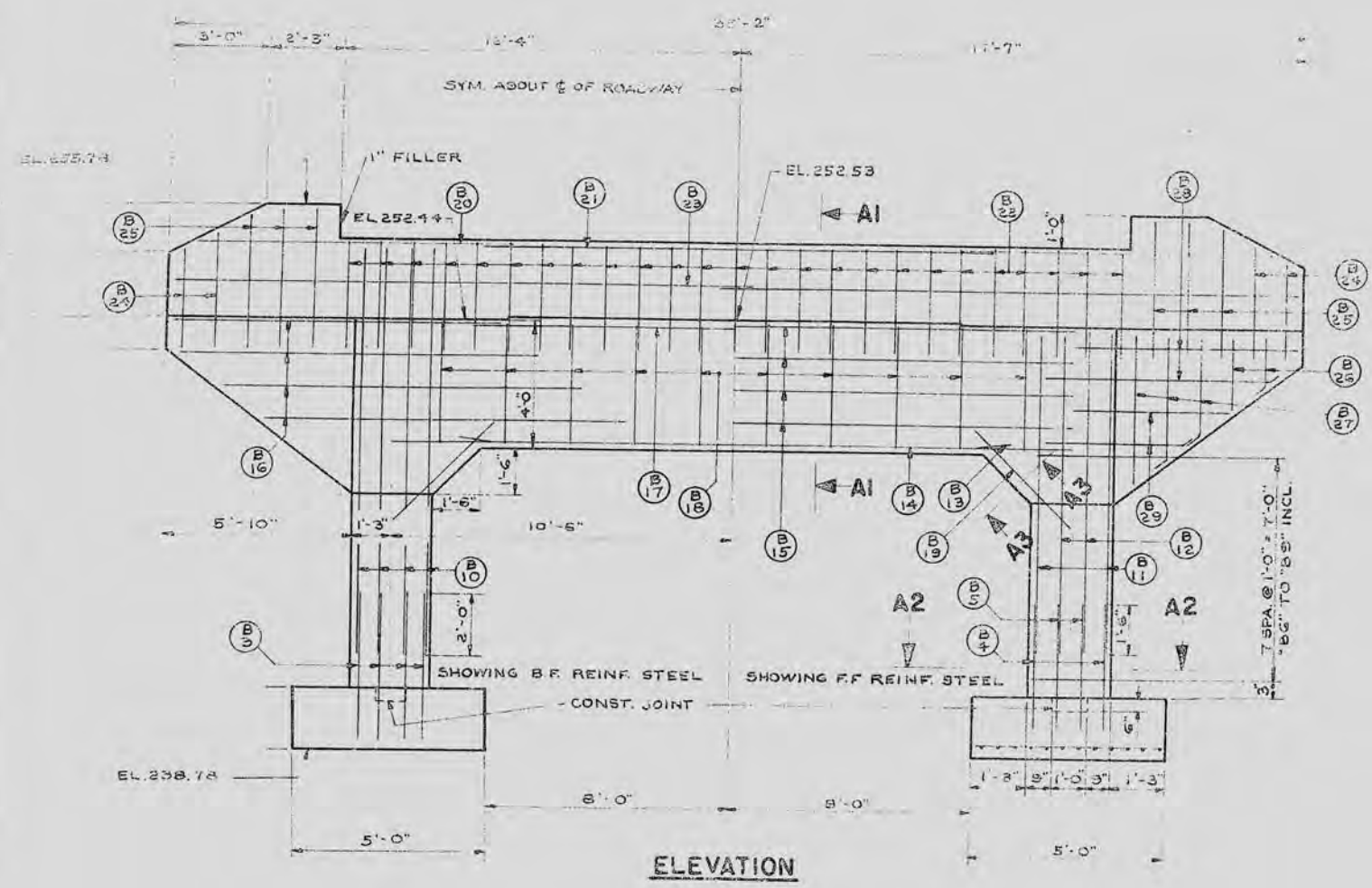
BEARING C
WT. OF ONE BEARING - 237# 4 REQD.

BEARING NOTES

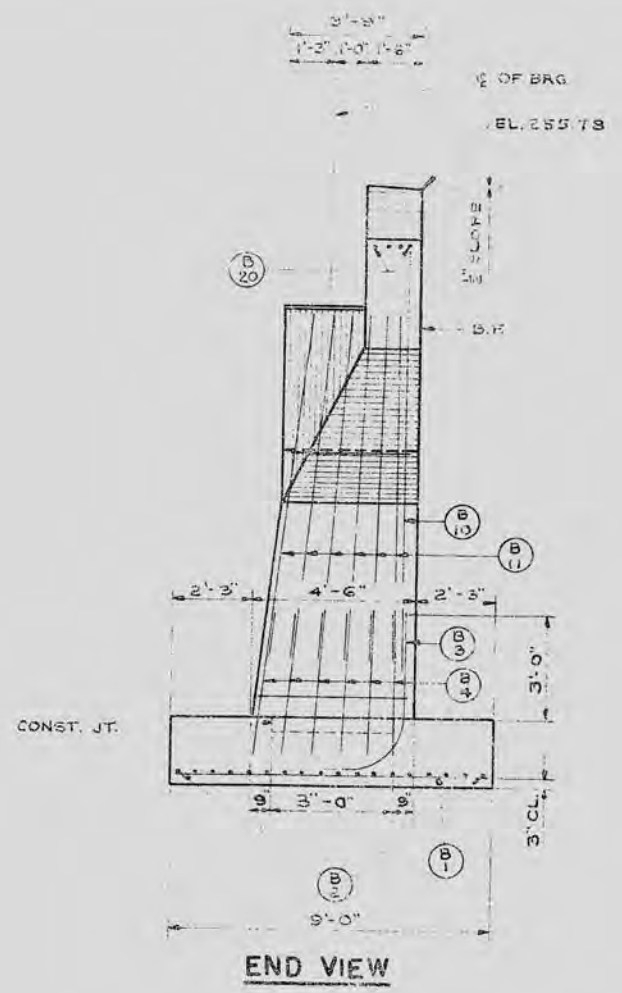
ALL STRUCTURAL CARBON STEEL BEARING PLATES SHALL BE FLAT ROLLED STEEL PLATES WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS. ALL SURFACES MARKED // SHALL BE MACHINE FINISHED. PAY QUANTITY FOR SIDE PLATES ON BEARINGS WILL BE BASED ON ACTUAL SIZE. PINTLES SHALL BE MACHINED TO A DRIVING FIT. BOLT TOP PLATE TO I-BEAM FOR SHIPMENT. ANCHOR BOLTS SHALL BE THREADED 3". PROVIDE ONE 1/4" WASHER AND ONE HEX. NUT PER ANCHOR BOLT.

HIGHWAY COMMISSION OF WISCONSIN	
SUPERSTRUCTURE	
W.J.H.	1951
B-37-26	3 OF 6

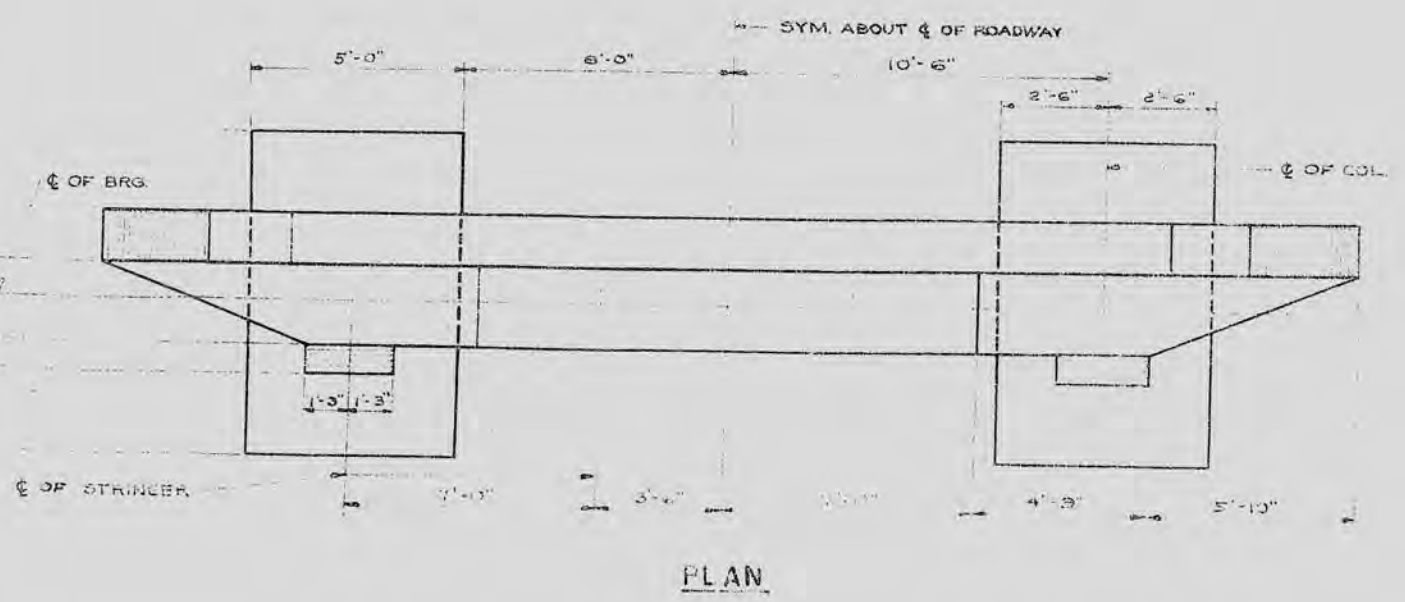
ROUND WITH AN EDGING TOOL OR CARBORUNDUM BRICK



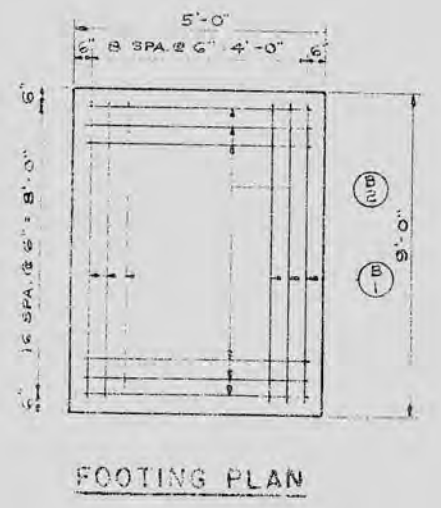
ELEVATION



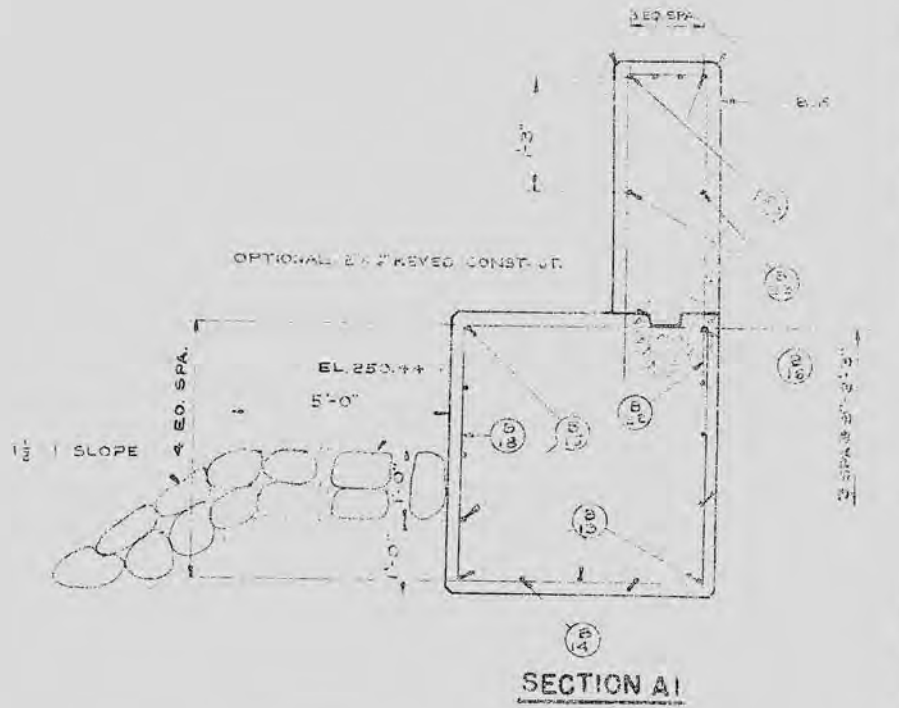
END VIEW



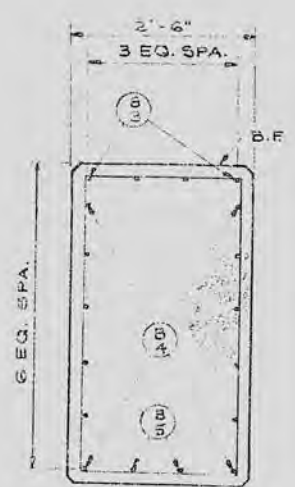
PLAN



FOOTING PLAN



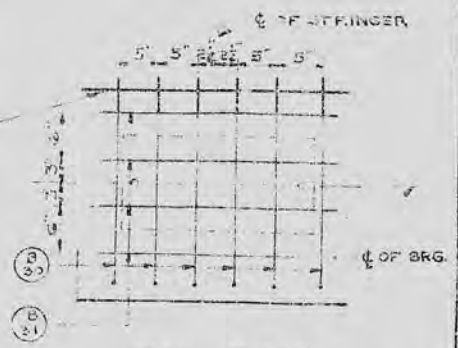
SECTION A1



SECTION A2
FRONT FACE OF PARAPET



SECTION A3



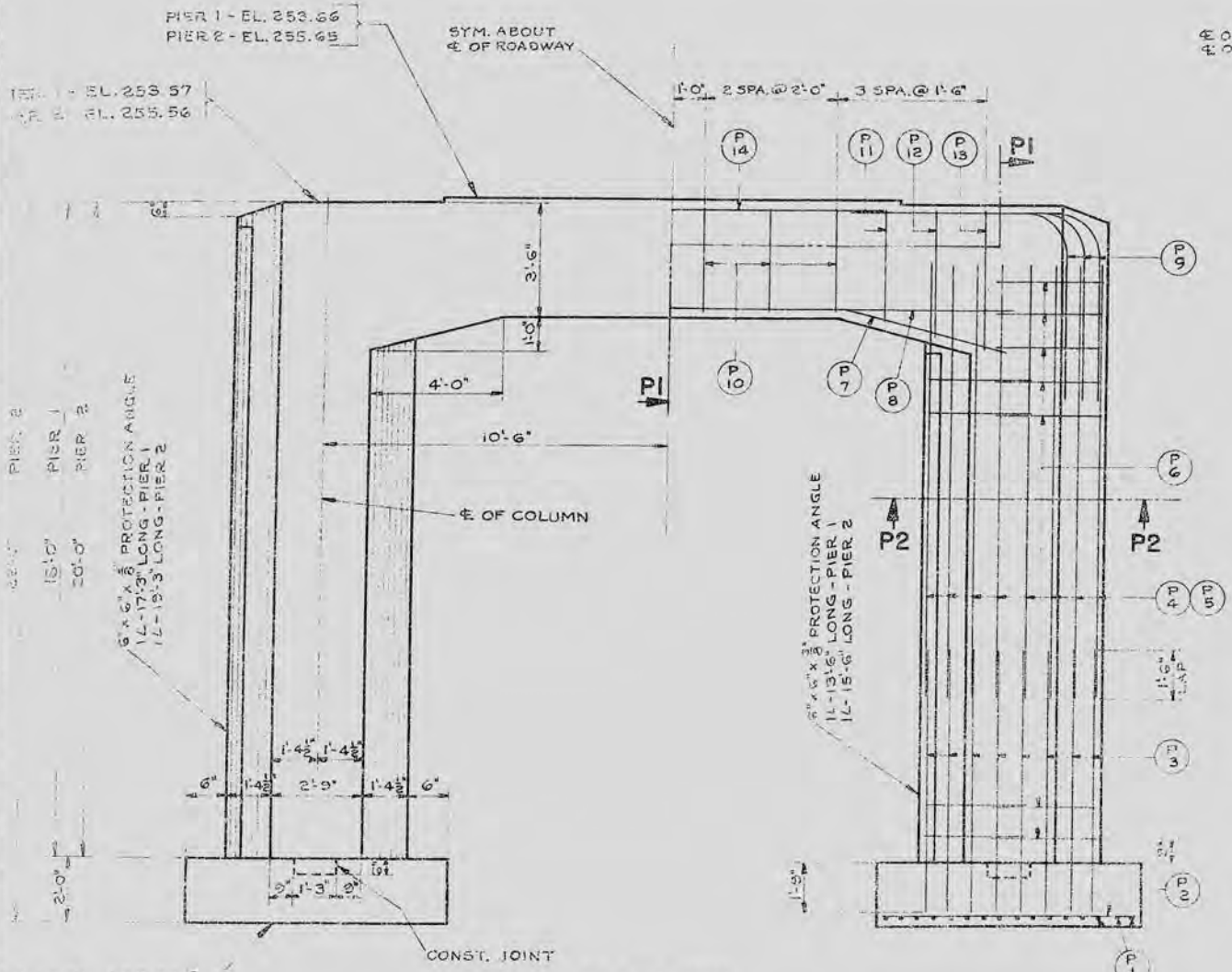
GRID DETAIL

WEST ABUTMENT

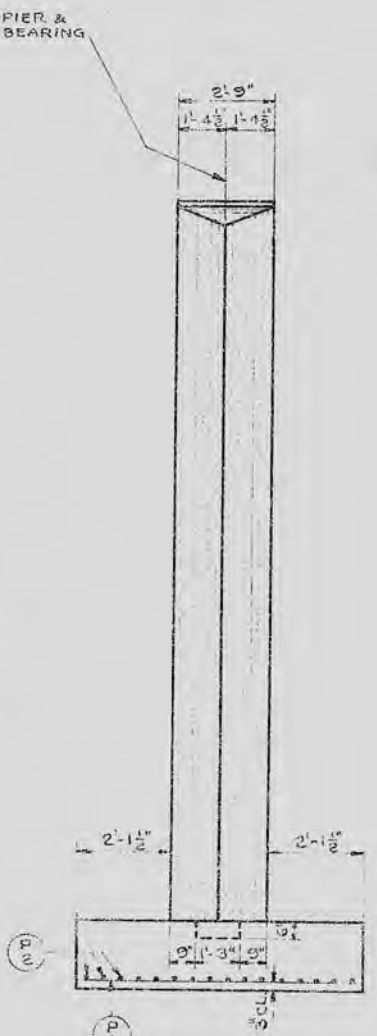
2-6-56, E.D. 1951
B-37-26 SHEET 4 OF 6

X 15325

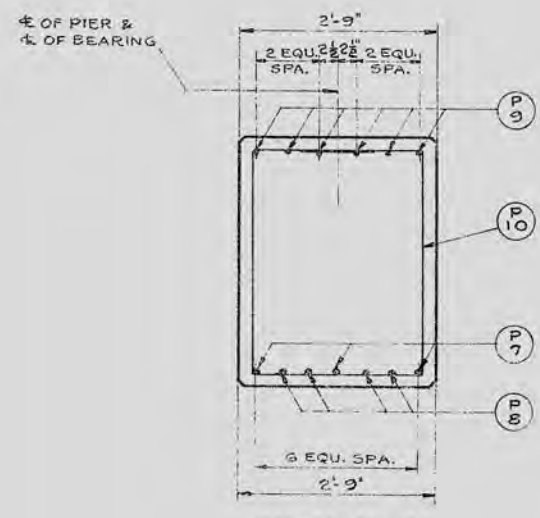
PROJECT NO.	12
SHEET NO.	20
TOTAL SHEETS	20



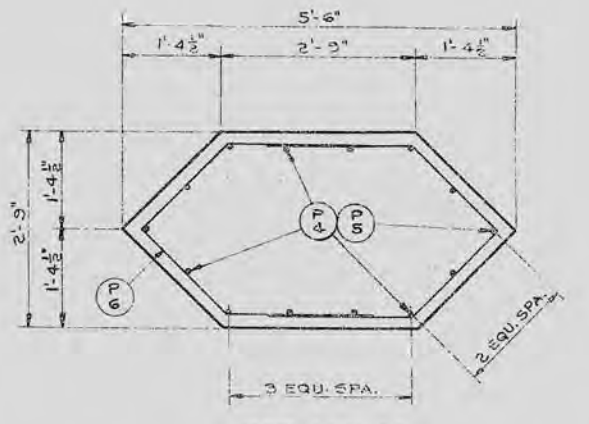
ELEVATION
LOOKING EAST.



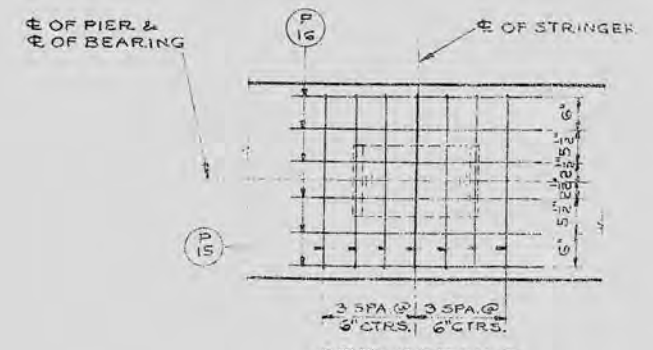
END VIEW



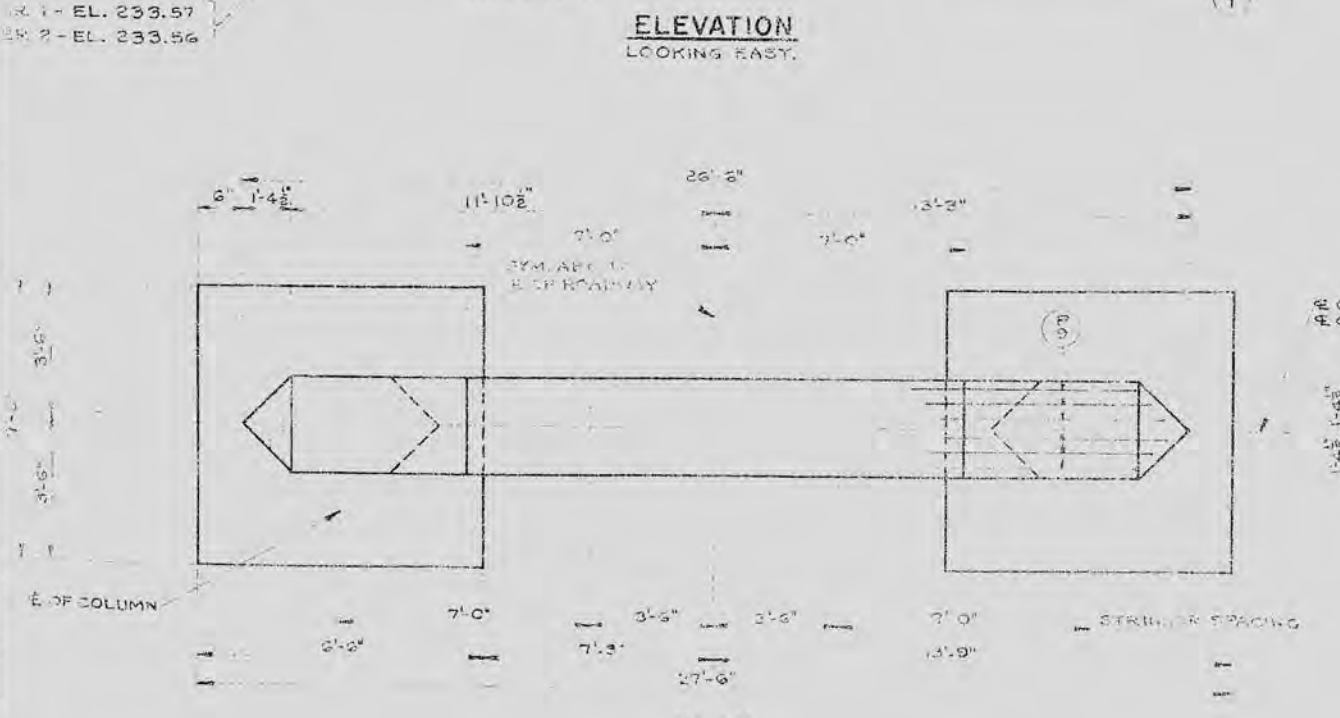
SECTION P1



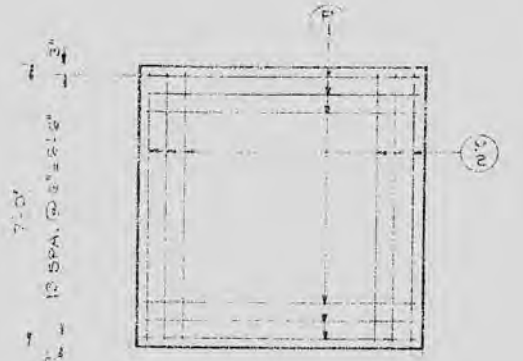
SECTION P2



GRID DETAILS
OMIT #16 BARS AT ALL EXTERIOR STRINGERS.



PLAN



FOOTING PLAN

2" DIA HOLES FOR BOLTING ANGLES TO FORMS. PUNCH ONE SET OF HOLES 6" FROM EACH END AND ADDITIONAL SETS MIDWAY BETWEEN ADJACENT ANCHORS.

1" x 8" x 10" ANCHORS. LONG LEG TO ANGLE. PLACE ONE SET OF ANCHORS 1'-0" FROM EACH END AND ADDITIONAL SETS EQUALLY SPACED BETWEEN END SETS.

6" x 6" x 3" PROTECTION ANGLE

PIER 1 11'-10 1/2" LONG - 6 SETS ANCHORS REQ.

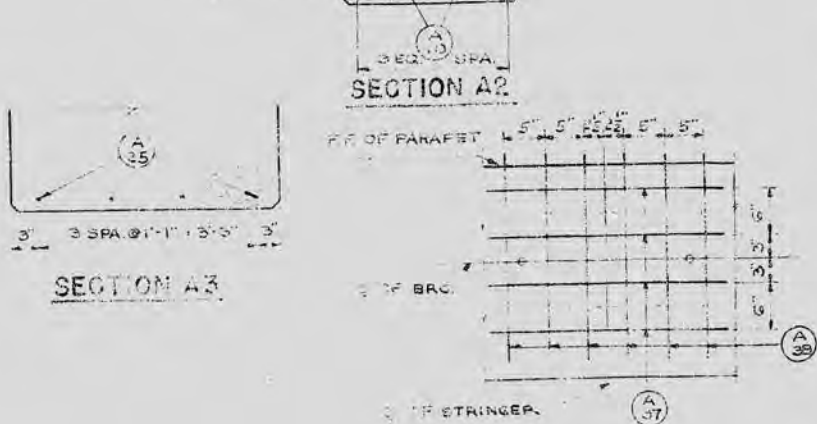
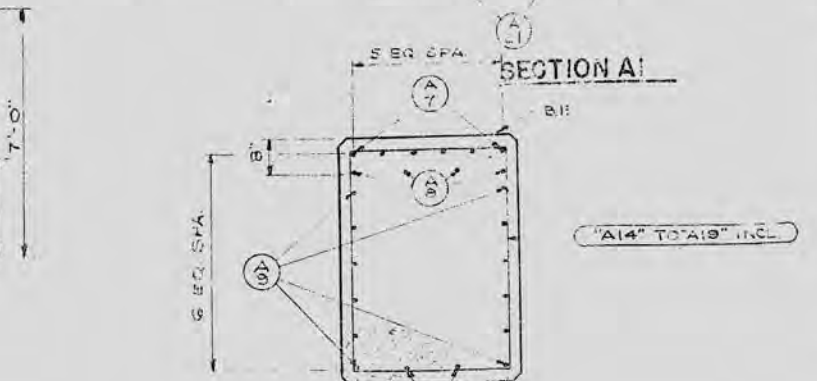
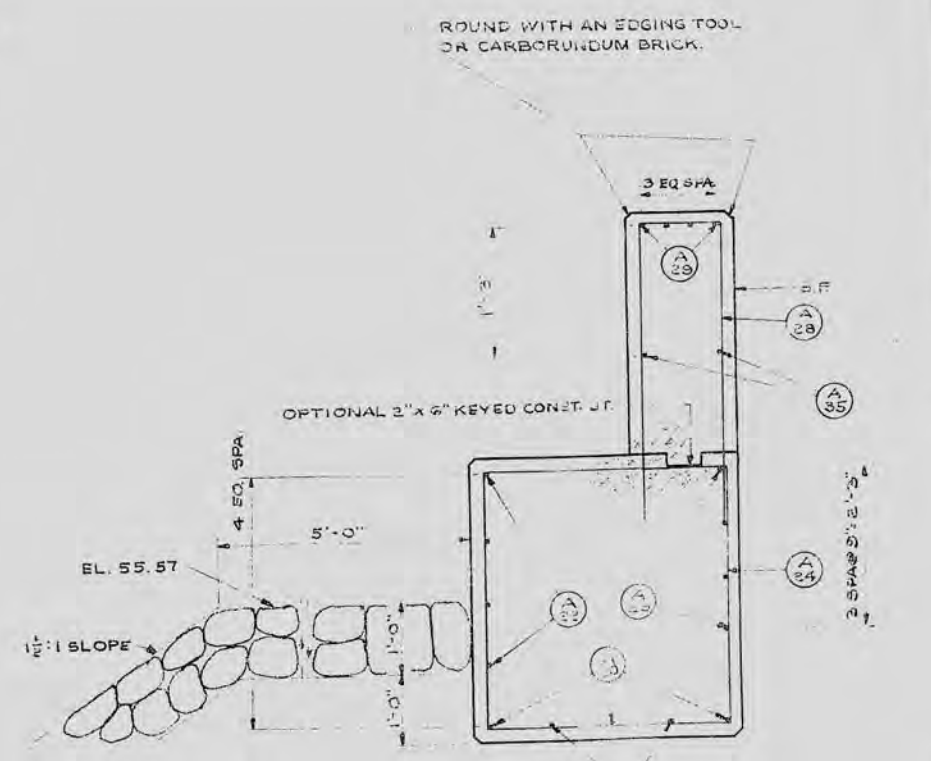
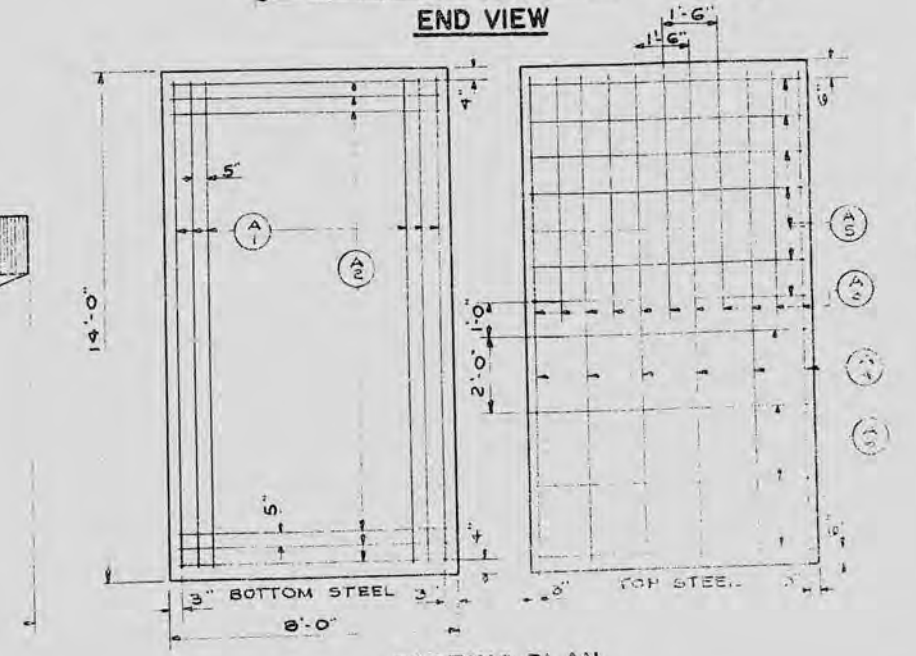
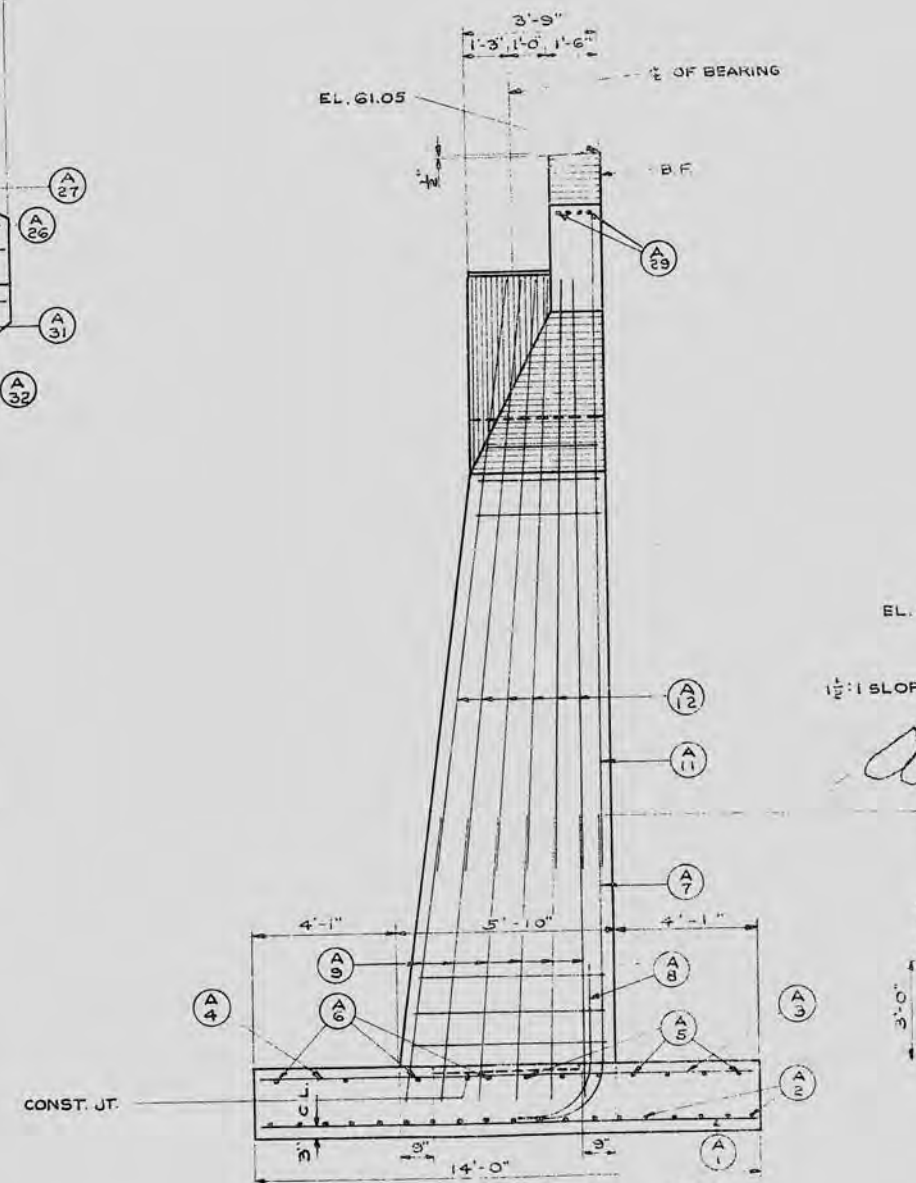
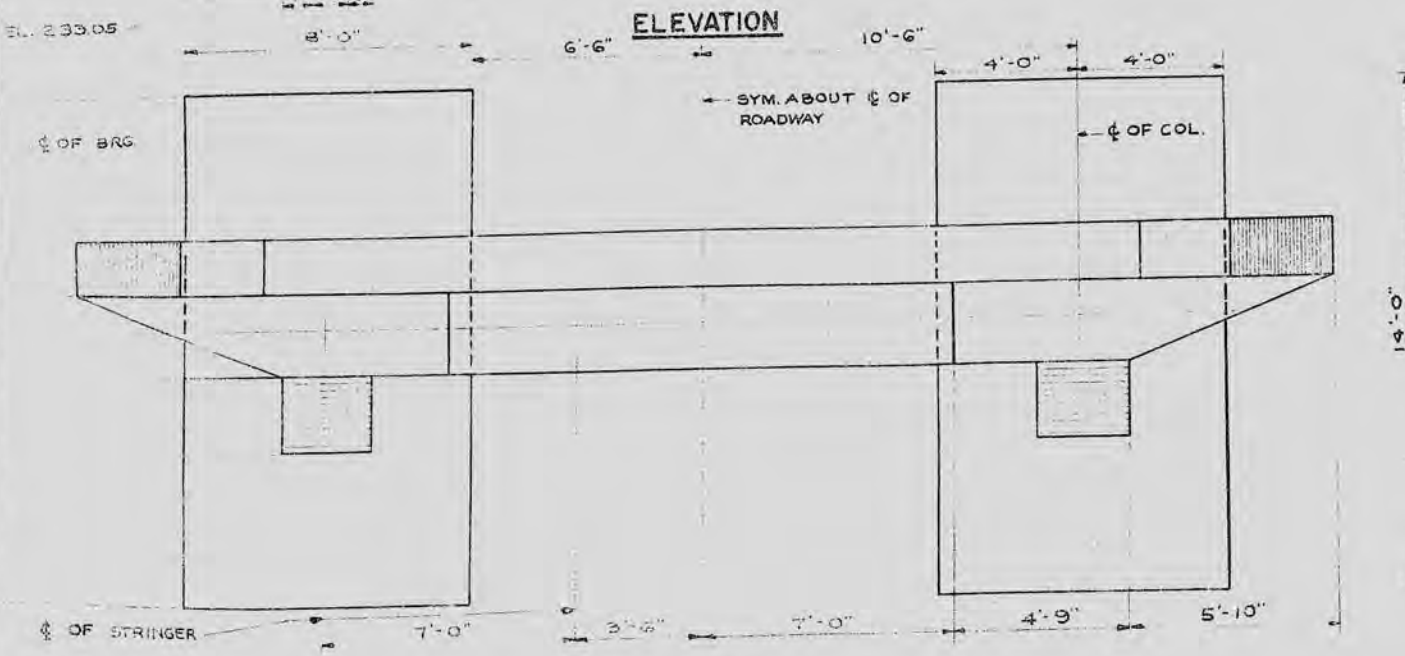
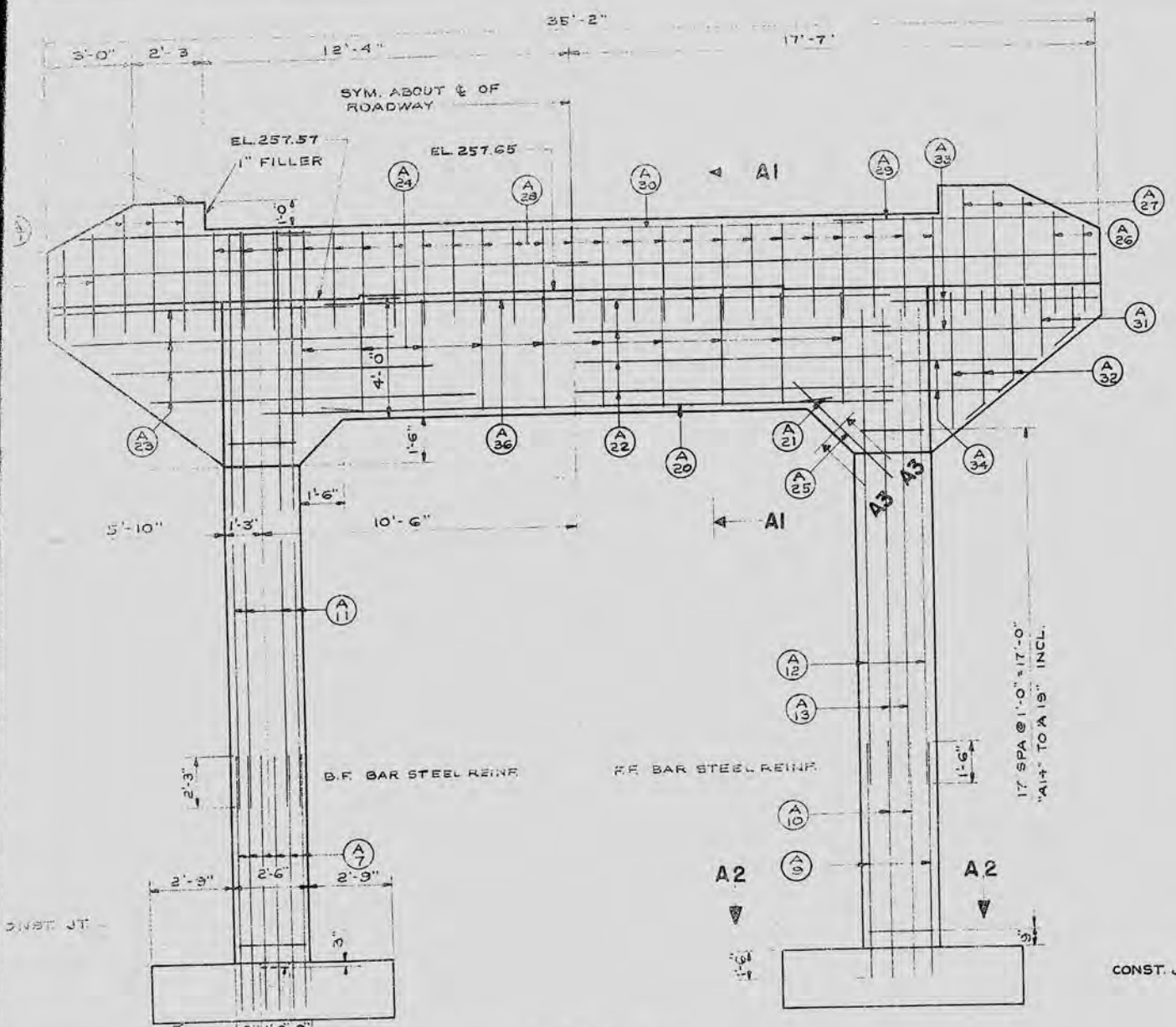
PIER 2 11'-15'-6" LONG - 7 SETS ANCHORS REQ.

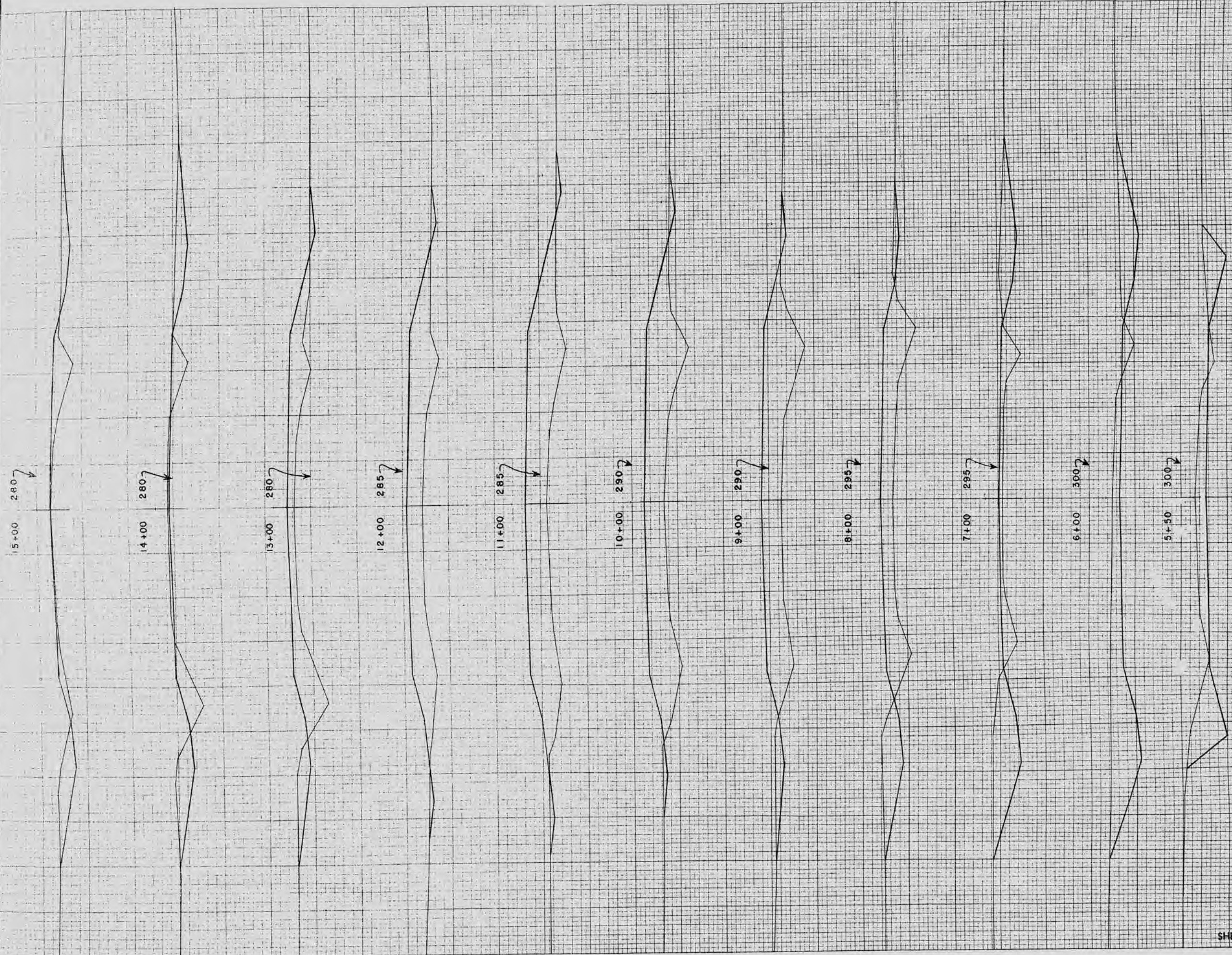
PROTECTION ANGLE DETAILS

JOINT FACES OF PROTECTION ANGLE SHALL BE PAINTED WITH RED LEAD. THE OUTSIDE FACES SHALL RECEIVE TWO ADDITIONAL COATS OF FIELD PAINT. (SEE SPECIFICATIONS.)

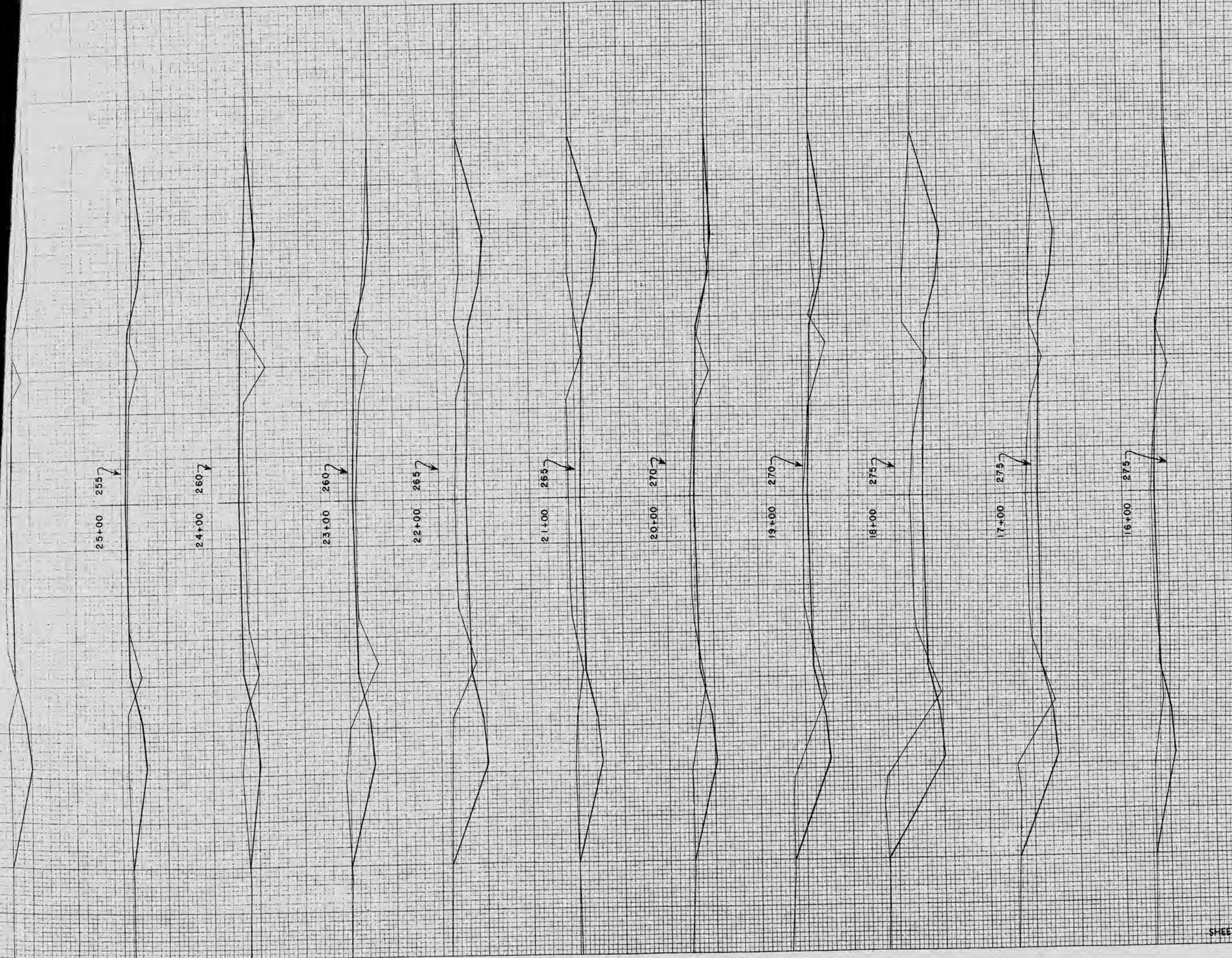
PIERS	
2-6-56	F.A.M. 1951 H 15
B 37 26	5 6

X 15326





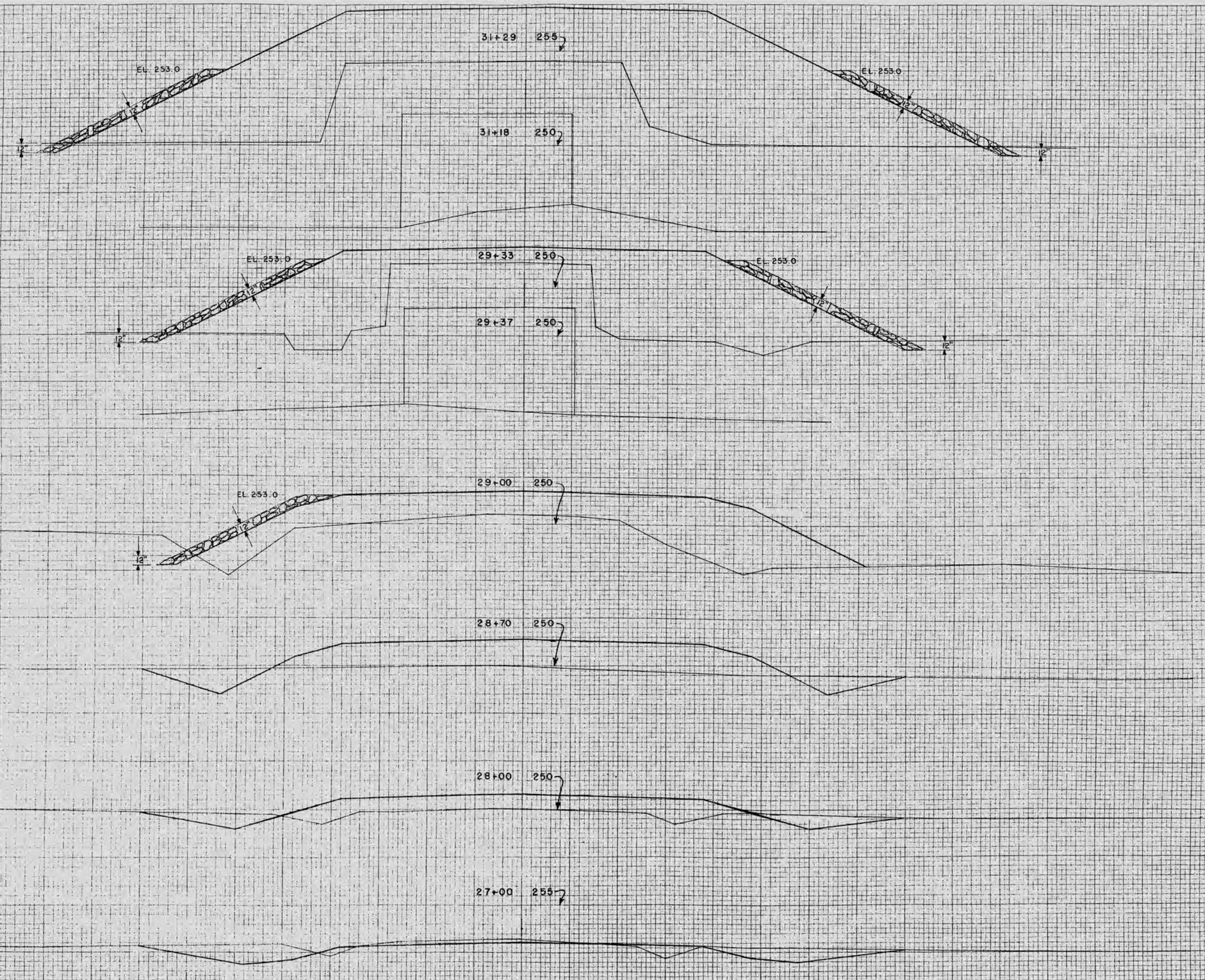
STATION	DISTANCE										YARDAGE			
	EXCAVATION										UNCL.	FILL		
	100	100	100	100	100	100	100	100	100	100				
15+00	100													
14+00	100	93												
13+00	100		33											
12+00	100			19										
11+00	100				20									
10+00	100					33								
9+00	100						74							
8+00	100							159						
7+00	100								291					
6+00	100									50				
5+50														
SHEET TOTAL														



STATION	DISTANCE	YARDAGE			
		EXCAVATION			
		UNCL.	FILL		
26+00	100	183	28	53	96
25+00	100	128	293	128	115
24+00	100	100	441	100	48
23+00	100	287	287	17	17
22+00	100	181	370	41	28
21+00	100	461	276	7	17
20+00	100	276	122	52	52
19+00	100				
18+00	100				
17+00	100				
16+00	100				
SHEET TOTAL		2870			486

N - GLEASON BR.

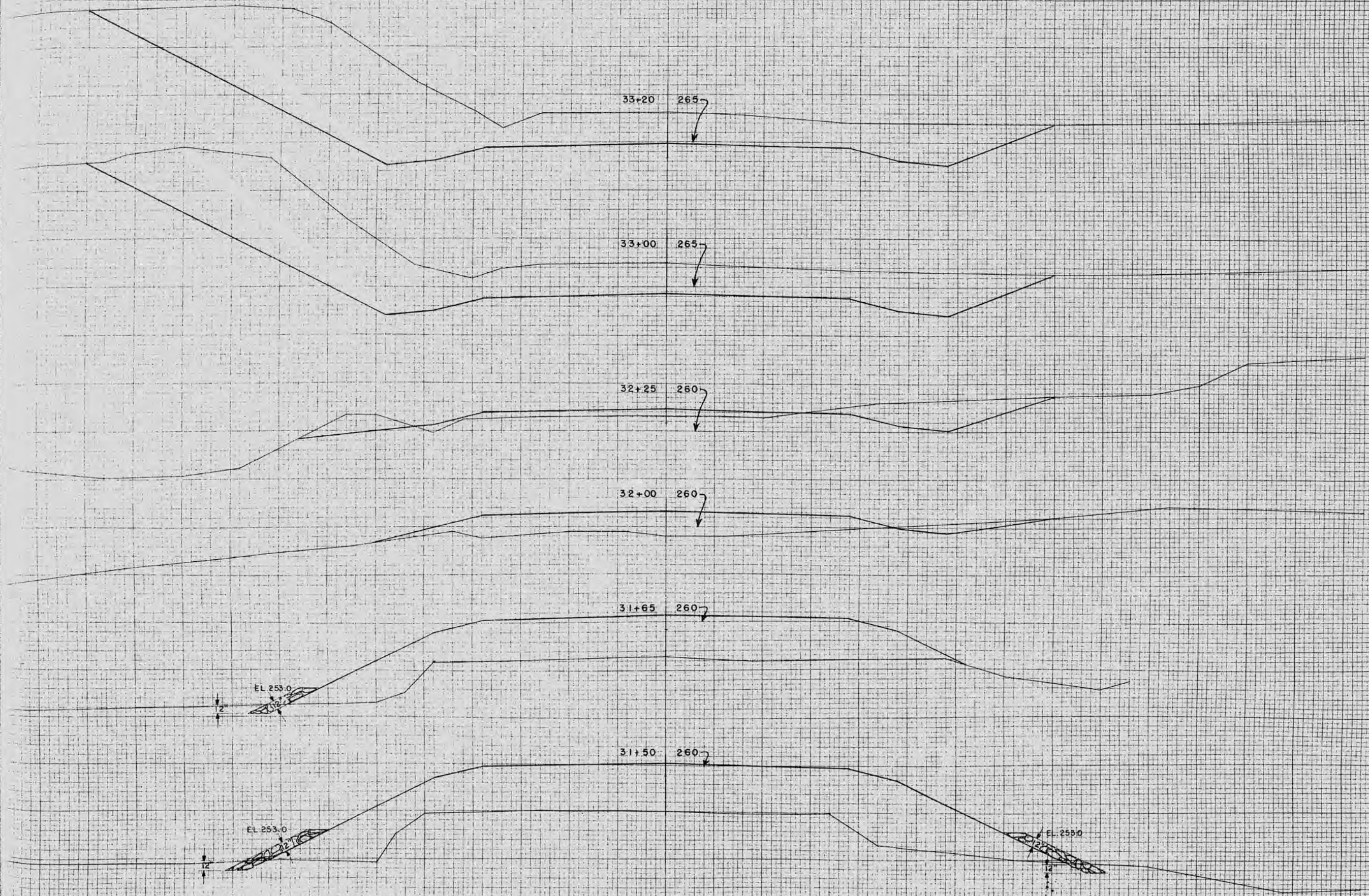
W.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 012 3	16	20



STATION	DISTANCE	YARDAGE		
		UNCL.	EXCAVATION	FILL
26+00	100	2.08		19
27+00	100	1.37		159
28+00	70	72		276
28+70	30	17		202
29+00	33	0		357
29+33	23	0		144
29+56				(144
30+98	31			374
31+29				
31+18				
29+33				
29+37				
29+00				
28+70				
28+00				
27+00				
SR 730				

SHEET TOTAL 445 2281

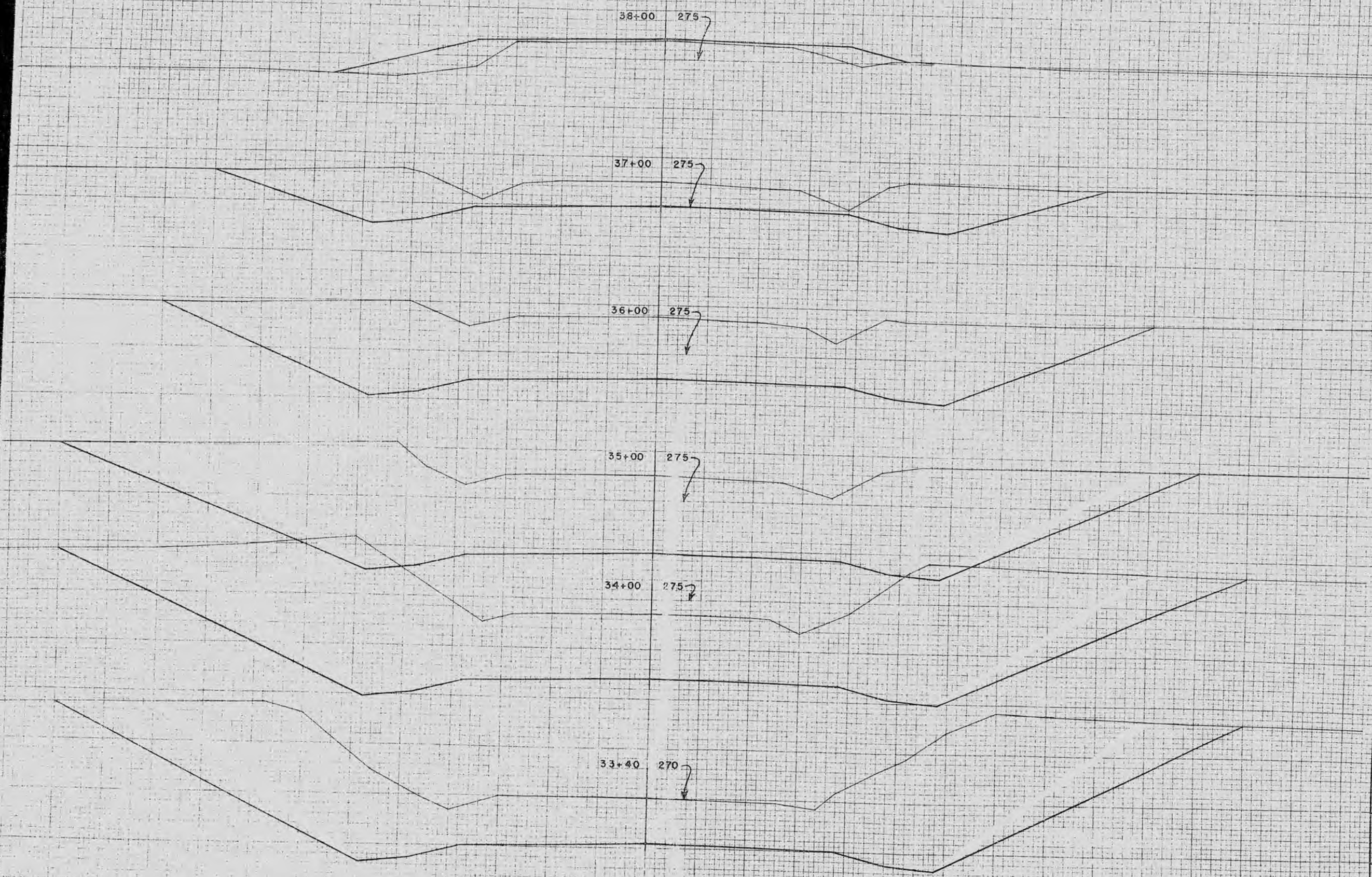
B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 012 3	17	20



STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
		UNCL.	
33+20	20		0
33+00	75	689	30
32+25	25	31	54
32+00	35	6	251
31+65	15	0	178
31+50	21	7	398
TOTAL			
			PEL 25

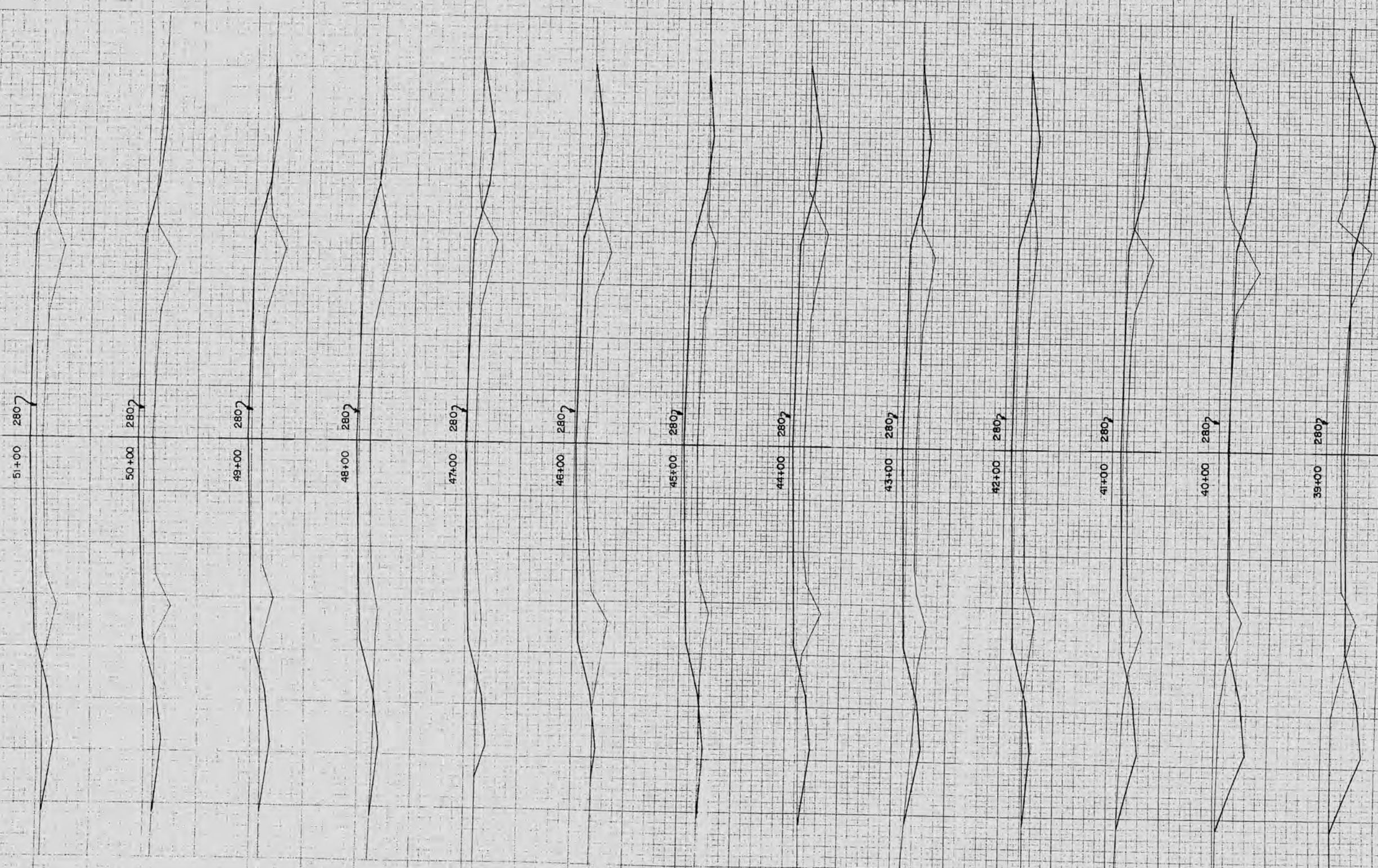
SHEET TOTAL 1129 916

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4	S 012 3	18	20



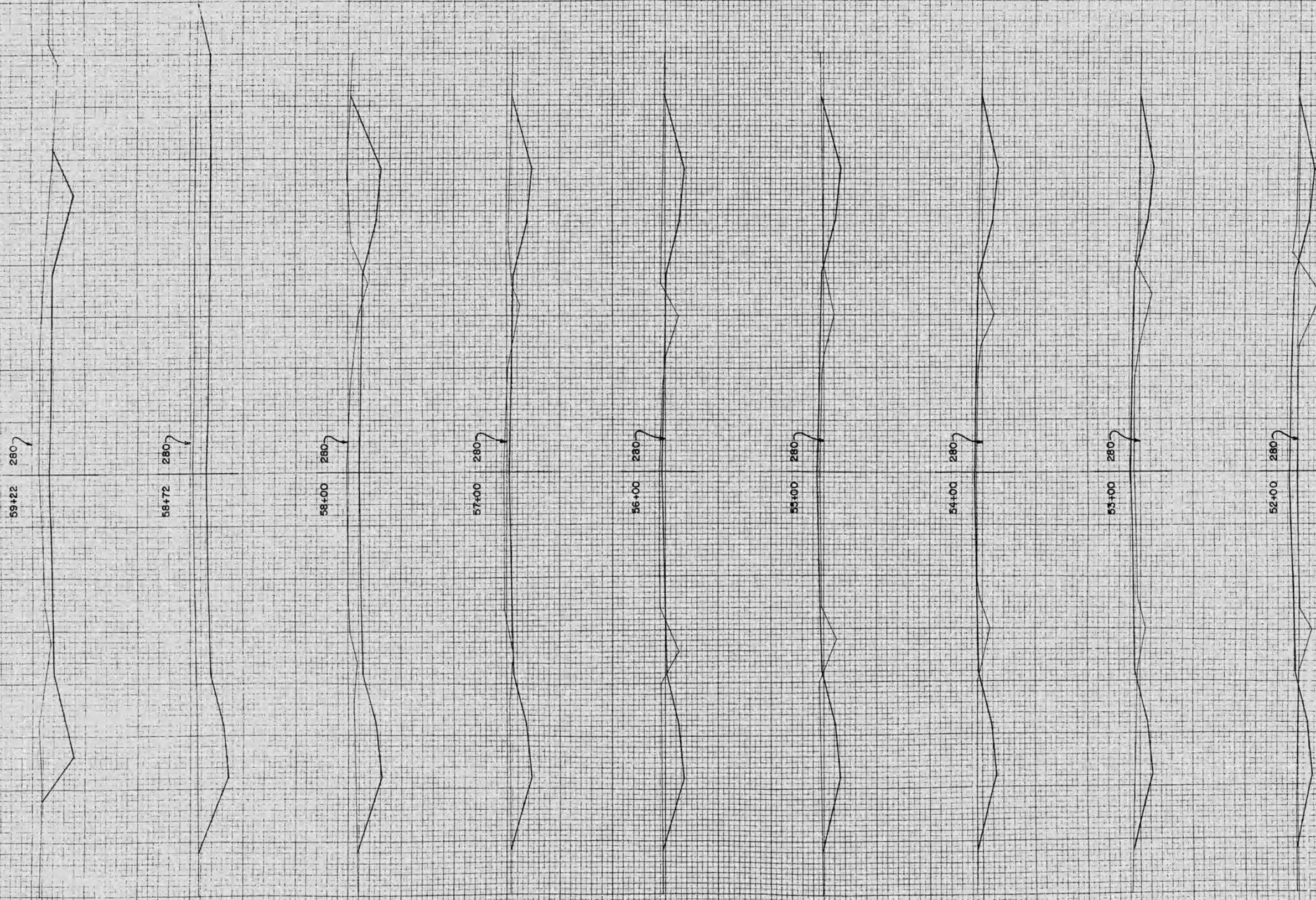
STATION	DISTANCE	YARDAGE		
		UNCL.	EXCAVATION	FILL
36+00	100	439		91
37+00	100	1500		0
36+00	100	2648		0
35+00	100	3291		0
34+00	100	1885		0
33+40	20	472		0
TOTAL		PE 50		

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 012 3	19	20



STATION	YARDAGE		STATION
	EXCAVATION	FILL	
51+00	44	235	38+00
52+00	50	230	39+00
48+00	39	228	40+00
49+00	50	193	41+00
47+00	56	200	42+00
46+00	35	239	43+00
45+00	54	226	44+00
44+00	53	220	45+00
43+00	48	217	46+00
42+00	74	163	47+00
41+00	156	81	48+00
40+00	231	33	49+00
39+00	126	102	50+00
SHEET TOTAL	1026	2427	

(CLEAN DITCHES BEYOND. FOR NECESSARY DRAINAGE)



STATION	DISTANCE	YARDAGE		FILL
		EXCAVATION	UNCCL.	
59+22	50	165		0
58+72	72			2
58+00	SIR 30 281	293		6
57+00	100	211		115
56+00	100	169		39
55+00	100	137		59
54+00	100	126		PE 15 63
53+00	100	106		91
52+00	100	70		180
51+00				
SHEET TOTAL		1643		470