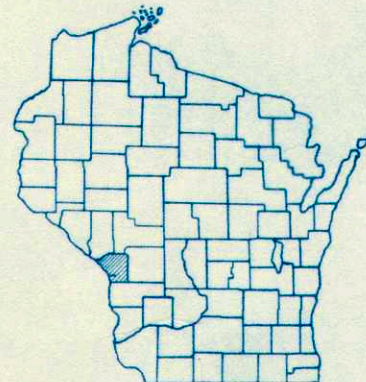


INDEX OF SHEETS

SHEET NO. 1	TITLE
SHEET NO. 2	TYPICAL CROSS SECTIONS
SHEET NO. 2	ESTIMATE OF QUANTITIES
SHEET NO. 2A	MISCELLANEOUS QUANTITIES
SHEET NO. —	RIGHT OF WAY PLAT
SHEET NO. 3-4	PLAN AND PROFILE STA. 10+00 TO STA. 43+85.1
SHEET NO. 5-11	STANDARD DETAILS
SHEET NO. 12-16	DRAINAGE STRUCTURES
SHEET NO. 17-22	CROSS SECTIONS



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			
32.6	123.0		11.9	WIS. 4	1	22

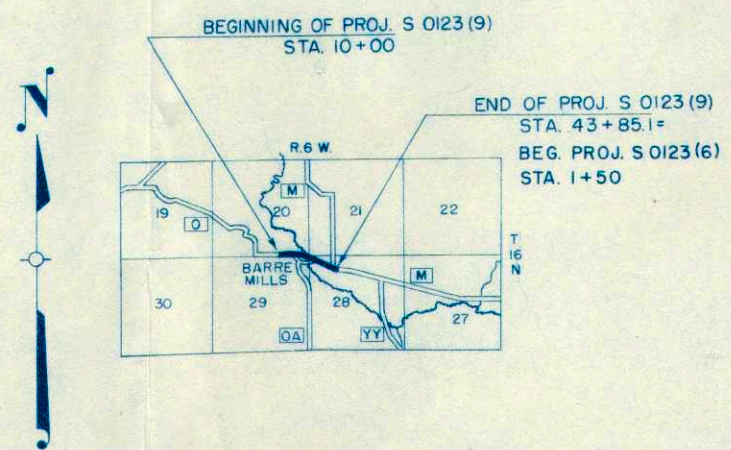


PLAN AND PROFILE OF PROPOSED  
C.T.H. "B" - C.T.H. "M" ROAD  
LA CROSSE COUNTY  
PROJECT S 0123 (9)  
C.T.H. "O"

BEGINNING AT A POINT APPROXIMATELY 1880 FT. WEST OF THE S.E. CORNER OF SEC. 20, T.16N. - R. 6 W. AND EXTENDING SOUTHEASTERLY TO A POINT APPROXIMATELY 900 FT. SOUTH OF THE W. 1/16 CORNER ON THE NORTH LINE OF SEC. 28, T.16N-R.6W.

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

*By # 88*



CONVENTIONAL SIGNS

STATE LINE	-----	CULVERTS IN PLACE	-----
COUNTY LINE	-----	CULVERTS REQUIRED	-----
TOWNSHIP OR RANGE LINE	-----	DROP INLET	-----
SECTION LINE	-----	POWER POLE	-----
NEW RIGHT OF WAY LINE	-----	TELEPHONE OR TELEGRAPH POLE	-----
PRESENT RIGHT OF WAY LINE	-----	RIGHT OF WAY MARKERS	-----
WIRE FENCE { WOVEN	-----	REFERENCE STAKE FOR HUBS ONLY	-----
{ BARBED	-----	MARSH	-----
LOT LINE	-----	HEDGE	-----
CORPORATE OR CITY LIMITS	-----	TREES	-----
PROPERTY LINE	-----	GROUND ELEVATION	DATUM LINE 73.9
TRAVELED WAY OR P.E.	-----	GRADE ELEVATION	DATUM LINE 75.16
RAILROADS	-----		
BASE OR SURVEY LINE	-----		

LAYOUT

SCALE 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 0.641 MI.

APPROVED FOR LA CROSSE COUNTY BY: *Frank Daily*  
DATE: 8/29/57 ACTING COMMISSIONER

STATE HIGHWAY COMMISSION OF WISCONSIN  
MADISON, WISCONSIN

SURVEYOR: O.O.B. NOTE BOOK 403P B.L.L.  
DISTRICT COMPUTER: O.O.B. M. O. CHECKER  
DISTRICT CHECKER: R.G.V. CORRECT

CORRECT:  
DATE: 8-30-57 *V.L. Friedler*  
DISTRICT ENGINEER

RECOMMENDED FOR APPROVAL:  
DATE: 9/4/57 *J. S. Pelt*  
ENGINEER DESIGN

APPROVED:  
DATE: 9/4/57 *E.C. Roettgen*  
STATE HIGHWAY ENGINEER

DEPARTMENT OF COMMERCE  
BUREAU OF PUBLIC ROADS

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
DISTRICT ENGINEER

S0123(9)

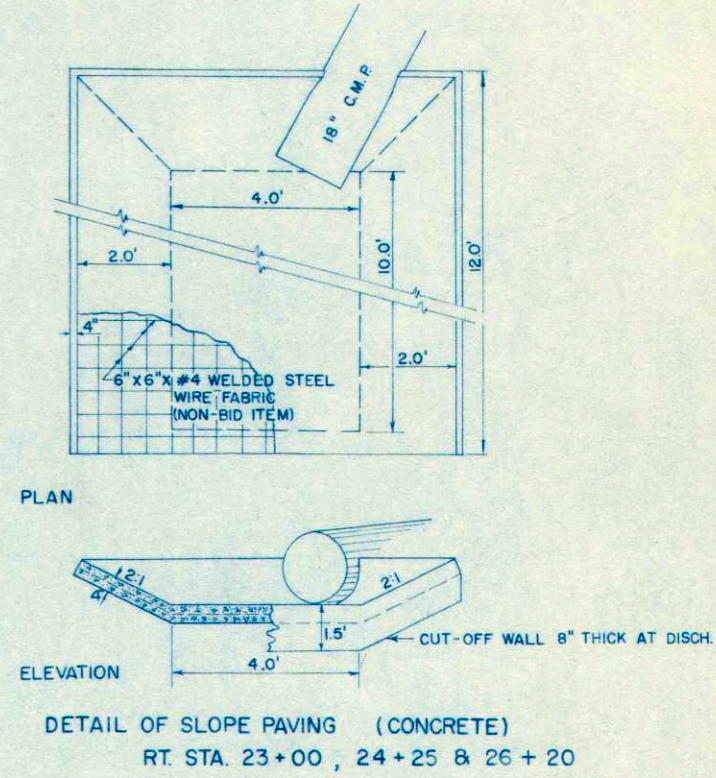
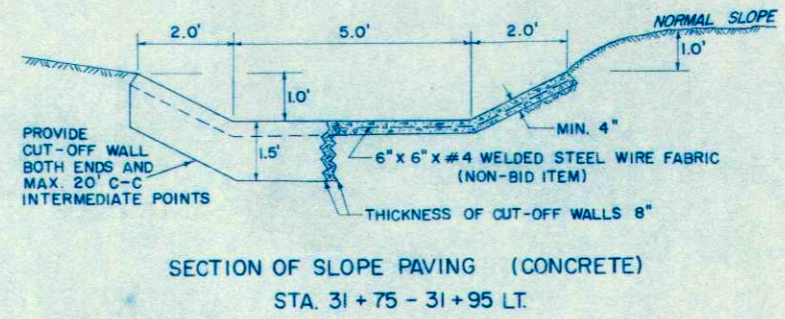
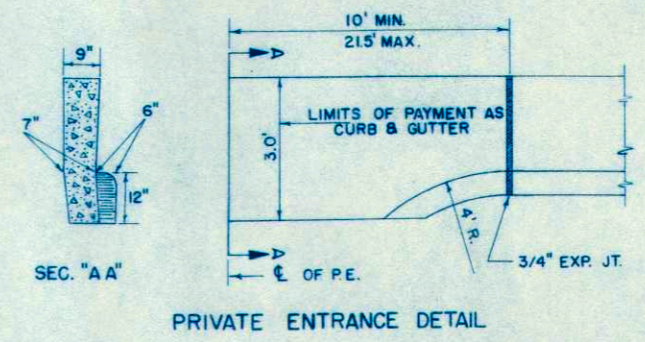
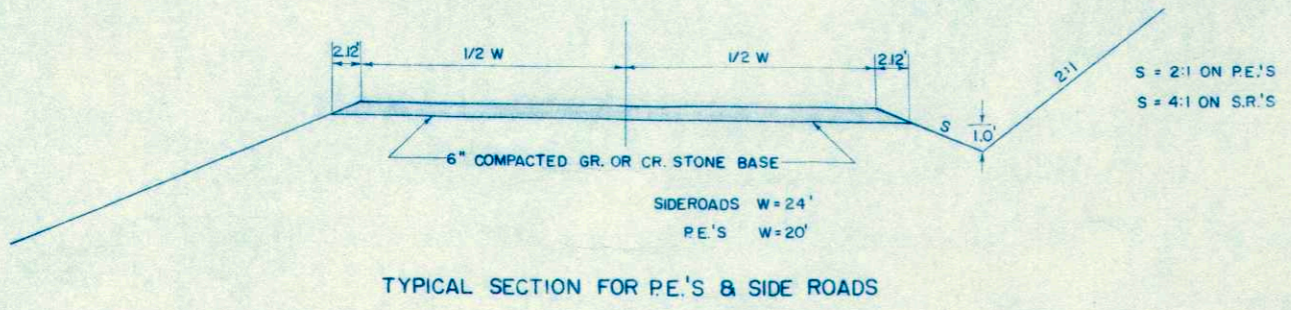
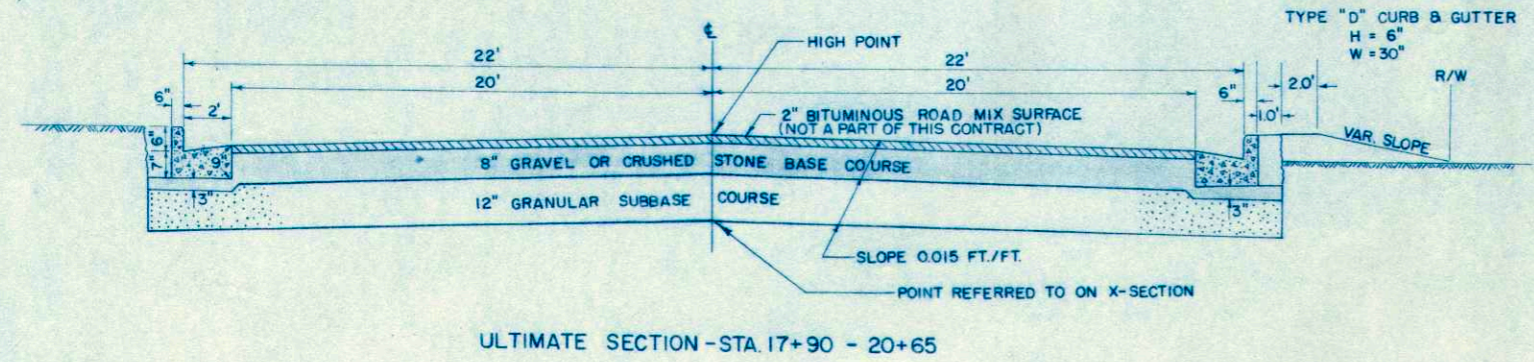
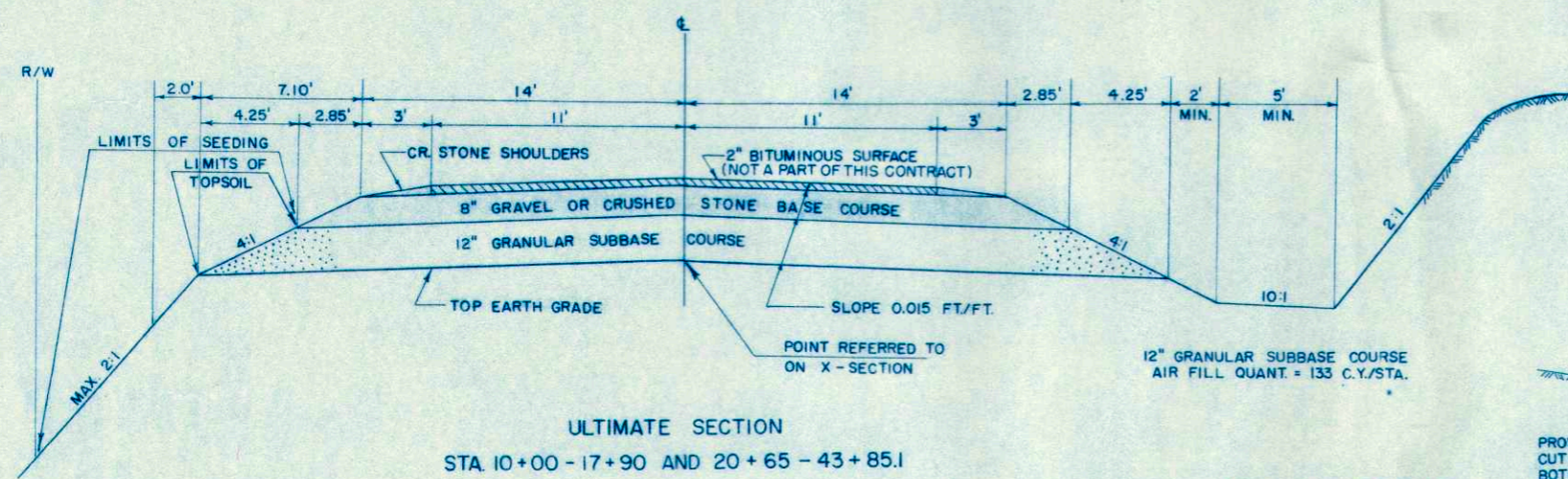
# ESTIMATE OF QUANTITIES

CONTRACT NO. 1

PROJECT	SHEET NUMBER	TOTAL SHEETS
S 0123(9)	2	22

THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE HIGHWAY COMMISSION OF WISCONSIN - EDITION OF 1957 SUBMITTED FOR APPROVAL MARCH 28, 1957  
FEDERAL AID REQUIRED CONTRACT PROVISIONS APPROVED JANUARY 31, 1955, AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS.

CONTRACT	STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING			GRUBBING			EXCAVATION			FINISHING ROADWAY	GRANULAR SUB-BASE COURSE	GRAVEL OR CRUSHED STONE BASE COURSE	CULVERT PIPE				CORR. METAL PIPE ARCH 65" X 40" PIPE 24"	CORR. METAL CULV. PIPE 24"	MARKER POSTS FOR R/W	MARKER POSTS FOR R/W	SLOPE PAVING (CONCRETE)	CON. CURB AND GUTTER 30" TYPE "D"	EXCAVATION FOR STRUCTURES, BRIDGES	CONC. MASONRY BRIDGES GRADE "AA"	CONC. MASONRY BRIDGES GRADE "X"	BAR STEEL REINFORCEMENT, BRIDGES	TREATED LUMBER 8" TIMBER	UN-TREATED TIMBER TEST PILING 1 @ 45'-0"	UN-TREATED TIMBER PILING DELIV.	UN-TREATED TIMBER PILING DRIVEN	TREATED TIMBER PILING DELIV.	TREATED TIMBER PILING DRIVEN	CAST-IN-PLACE CONC. TEST PILING @ 70'-0"	CAST-IN-PLACE CONC. PILING DELIV.	CAST-IN-PLACE CONC. PILING DRIVEN	HEAVY RIP-RAP	TOPSOIL		FERTILIZER	SEEDING	SODDING	
			UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED	72"	30"	24"	18"	SALVAGED	SQ. YD.																																	
			2101-1	2101-4	2106-5	210 -	210 -	2114-1	2201-1	2203-1	2313-2				2411-4	2411-3	2411-2	2411-1																					2411-2	2411-3				2411-2
1	10+00 - 43+85.1	3385.1	9	5	34,328						1	15,100	4315	800	80	56	50	116	80	52	30	35	34	64	554	160	313.7	4.1	36,380	2.07	1	930	930	400	350	1	495	425	550	5010			34,900	972



- APPLICABLE DRAWINGS
- 1-3.1.1 DETAILS OF PRIVATE ENTRANCE AND SIDE ROAD APPROACHES
  - 6-5.3.1 CORR. METAL PIPE ARCH
  - 3-1.1.4 CONCRETE CURB, GUTTER, COMBINATION CURB & GUTTER, SURFACE DRAIN
  - 6-2.5.1 RIP RAP AT SIDE ROAD CULVERTS & RIP RAP OR SOD AT PRIVATE ENTRANCE CULVERTS
  - 7-1.3.3 MARKER POSTS & MARKER POSTS FOR RIGHT OF WAY
  - 7-4.1.2 CONSTRUCTION BARRICADE
  - 8-1.3.1 DITCH CHECKS, MORTAR RUBBLE MASONRY & SOD
  - 8-2.1.2 SOD BACKSLOPE FLUME

# DETAIL SUMMARY OF MISCELLANEOUS QUANTITIES

## CULVERT PIPE

GRAVEL OR CRUSHED STONE BASE CRSE.

Station	Location	Diameter Inches	Length Feet	Type	Marker Posts	Sta. to Sta.	Cu. Yds.
12+37	P.E., Rt.	18	28	C.P.		10+00 - 17+90	785
14+30.3	Centerline	40" x 65"	52	M.P. Arch	2	(9' Taper - 270' long)	
15+13	P.E., Rt.	18	28	C.P.		15+20 - 17+90	80
23+00	P.E., Rt. (Dit.)	18	40	C.M.P.	1	17+90 - 20+65	385
24+25	Eros. Control, Rt.	18	40	C.M.P.	1	(9' Taper - 270' long)	
26+20	Thru Riprap at Br.	24	30	C.M.P.	1	20+65 - 23+35	80
31+60	Centerline	72	80	C.P.	2	20+65 - 26+15.5	550
35+67	P.E., Lt.	30	56	C.P.		26+15.5 - 27+19.5	Bridge
35+90	Sch. P.E., Rt.	24	50	C.P.		27+19.5 - 44+97.4	1765
42+00	P.E., Lt.	18	28	C.P.		P. E.	300
44+97.4	Centerline	24	58	C.P.	2	Int. CTH "M"	175
16+00	P.E., Lt.	18	32	C.P.		Int. CTH "OA"	195

## SALVAGED TOPSOIL

Sta. to Sta.	Sq. Yds.	Description
10+00 - 17+90	1,150	
17+90 - 20+65	640	
20+65 - 26+15.5	800	
26+15.5 - 27+19.5	Bridge	Ditch Checks & Pipe Inlets
27+19.5 - 43+85.1	2,420	Sod Flume

## CLEARING AND GRUBBING

Sta. to Sta.	Clearing	Grubbing
14+00 - 15+00	1	1
16+00 - 20+00	4	4
26+00 - 30+00	4	

## CURB AND GUTTER

Sta. to Sta.	Location	Lin. Ft.
17+90 - 20+65	Lt.	275
17+90 - 20+24	Rt.	234
20+24 - 20+65	Rt.	45

## SLOPE PAVING (CONCRETE)

Sta. to Sta.	Sq. Yds.
23+00	12
24+25	12
26+20	12
31+70 - 31+95	28

## MARKER POSTS

Sta. to Sta.	Location	Center to Center	Number
22+40 - 24+40	Lt. & Rt.	100	6
25+40 - 25+90	Lt. & Rt.	25	6
27+45 - 27+85	Lt. & Rt.	25	6
32+90 - S.R.	Rt.	50	4
31+50 - 34+50	Rt.	100	3
34+75 - 37+75	Lt.	100	3

## 2" x 22' BITUMINOUS ROAD MIX SURFACE

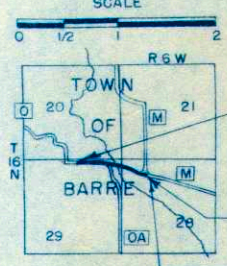
Sta. - Sta.	Prep. Roadbed Sta.	Bit. Road Mix Surface Sq. Yd.	Bit. Mat. for Surface Course Gallons	Agg. for Bit. Road Mix Surf. Cu. Yds.	Gravel or Crushed Stone Shoulders Cu. Yds.
<del>9+00 - 10+00</del>	<del>1.00</del>	<del>244</del>	<del>20</del>	<del>17.65</del>	
<del>10+00 - 17+90</del>	<del>7.90</del>	<del>1931</del>	<del>3140</del>	<del>139.43</del>	<del>32</del>
<del>2 Tapers 0' to 9' (270' long)</del>		<del>270</del>	<del>390</del>	<del>19.50</del>	
<del>17+90 - 20+65 (40' Wide)</del>	<del>2.75</del>	<del>1222</del>	<del>1765</del>	<del>88.20</del>	
<del>2 Tapers 0' to 9' (270' long)</del>		<del>270</del>	<del>390</del>	<del>19.50</del>	
<del>Inter. Rt. CTH "OA"</del>	<del>1.00</del>	<del>464</del>	<del>670</del>	<del>33.50</del>	<del>5</del>
<del>20+65 - 26+15.5</del>	<del>5.50</del>	<del>1345</del>	<del>1940</del>	<del>97.20</del>	<del>20</del>
<del>26+15.5 - 27+19.5</del>		<del>Bridge</del>			
<del>27+19.5 - 43+85.1</del>	<del>16.66</del>	<del>4071</del>	<del>5880</del>	<del>294.00</del>	<del>60</del>
<del>43+85.1 - 45+50 (Approach)</del>	<del>1.65</del>	<del>403</del>	<del>580</del>	<del>29.60</del>	<del>5</del>
<del>8" M - 9" M + 74.9 (OTH "M" Int.)</del>	<del>1.04</del>	<del>724</del>	<del>1040</del>	<del>52.30</del>	<del>5</del>

PROJECT	SHEET NO.	TOTAL SHEETS
S O123(9)	2A22	

NO.	STATION	DESCRIPTION	ELEV.
1	20 + 40	PK. NAIL IN PP. 66' RT.	726.12
3	8" T + 32	□ KIEL MK - SW BRI. WING	703.29
4	29 + 98	PK NAIL 42" ELM 100' RT.	719.08
5	35 + 82	PK NAIL IN T.P. 36' RT.	730.07

PROJECT S 0123 (9)  
 C.T.H. "B" - C.T.H. "M" ROAD  
 C.T.H. "O"  
 LA CROSSE COUNTY  
 CODE 32.6-1230-11.9

LOCATION SKETCH  
 SCALE



BEGIN PROJ. S 0123 (9)  
 STA. 10 + 00  
 BEGINNING OF RELOC. ORDER  
 747 FT EAST OF THE N 1/4 CORNER  
 OF SEC 29-T16N-R6W  
 OTTO L. MILLER

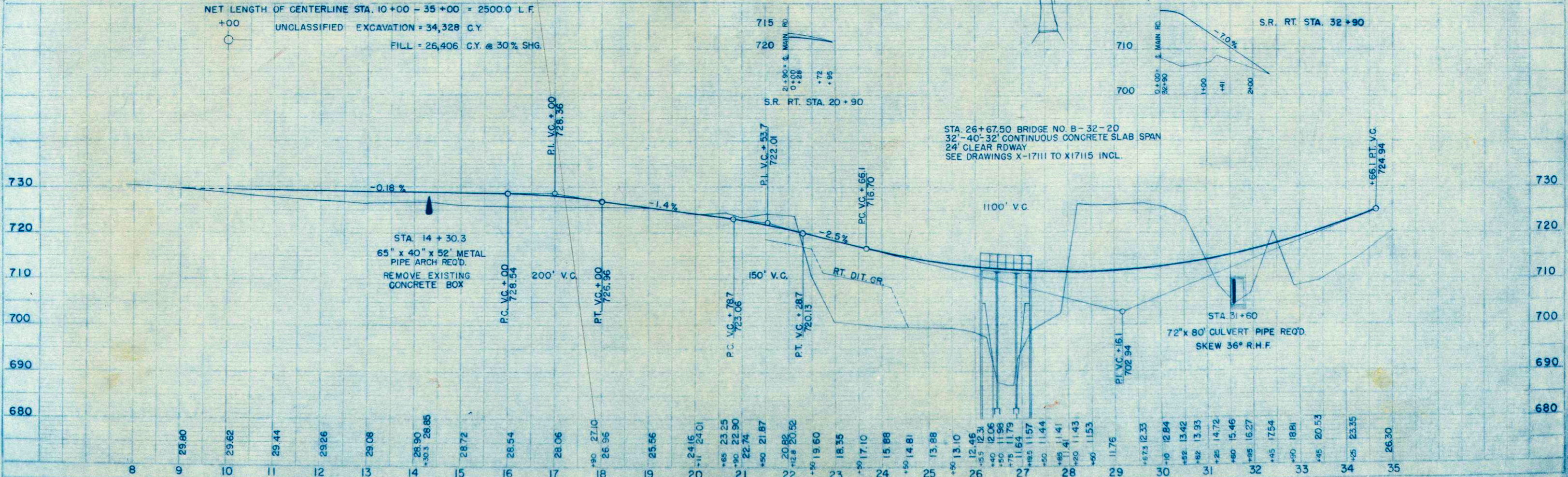
BEGINNING OF PROJ. S 0123 (9)  
 STA. 10 + 00  
 BEGINNING OF RELOC. ORDER

END OF PROJ. S 0123 (9)  
 STA. 43 + 85.1

END OF RELOC. ORDER  
 STA. 44 + 97.4

CURVE DATA  
 PI - 26 + 20.1  
 Δ - 28° - 23'  
 D - 4° - 00'  
 T - 362.2  
 L - 709.5  
 E - 45.1  
 SE - 0.04 FT./FT.  
 R - 1432.5

NET LENGTH OF CENTERLINE STA. 10 + 00 - 35 + 00 = 2500.0 L.F.  
 UNCLASSIFIED EXCAVATION = 34,328 C.Y.  
 FILL = 26,406 C.Y. @ 30% SHG.

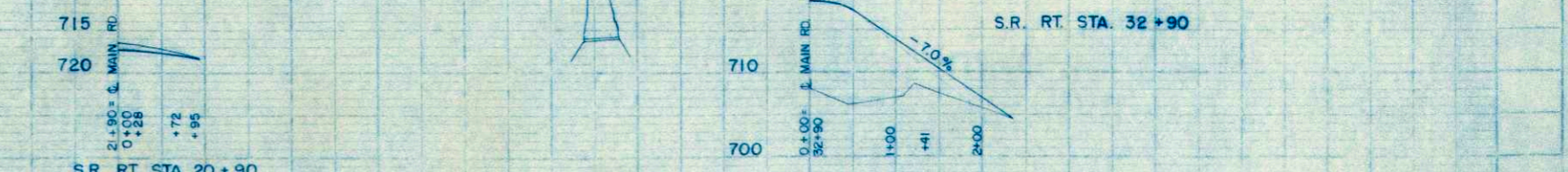
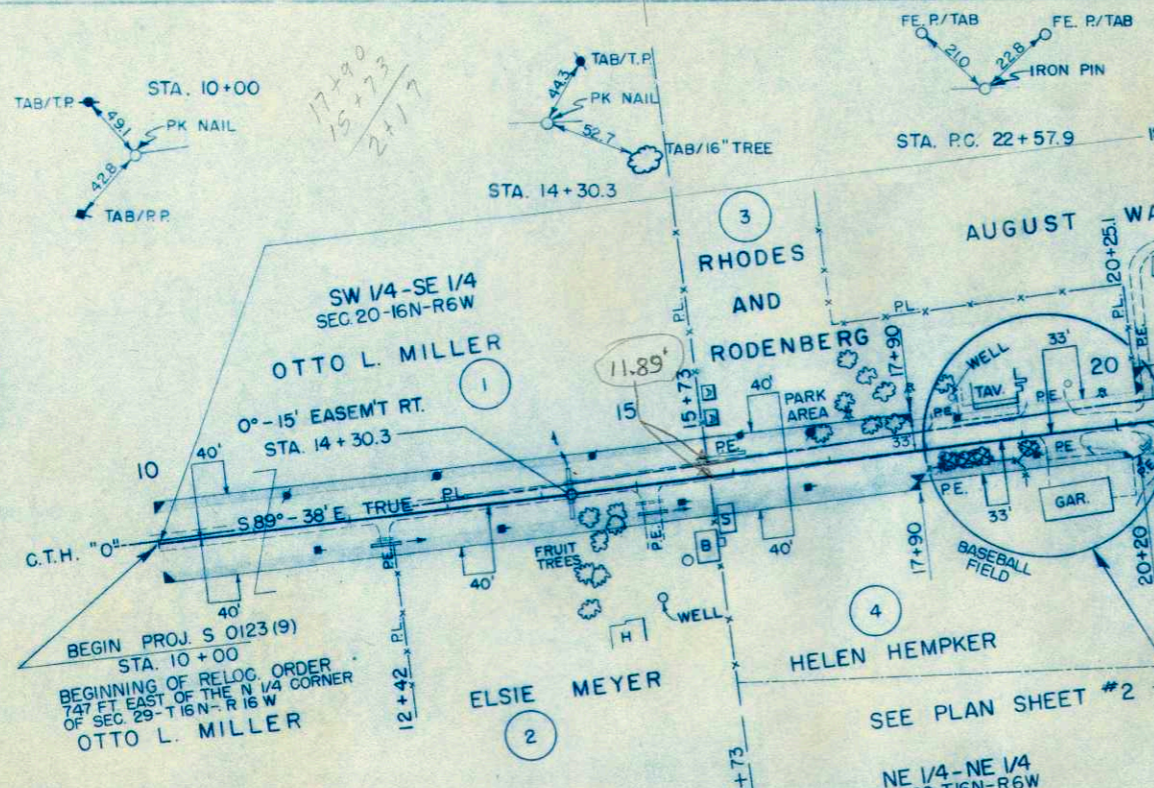


DATE: 4-57  
 O.G.B. V.E.S.  
 V.E.S. O.G.B.  
 V.E.S. O.G.B.  
 V.E.S. O.G.B.  
 V.E.S. O.G.B.  
 V.E.S. O.G.B.

PROFILE  
 DATE: 4-57  
 O.G.B. V.E.S.  
 V.E.S. O.G.B.  
 V.E.S. O.G.B.  
 V.E.S. O.G.B.  
 V.E.S. O.G.B.  
 V.E.S. O.G.B.

*\* see plan # 51 for  
 deck for R/W*

*1205.3' L +  
 @ 10+00*



W 1/16 COR. ON N. LINE OF  
SEC. 28, T16N, R6 W.

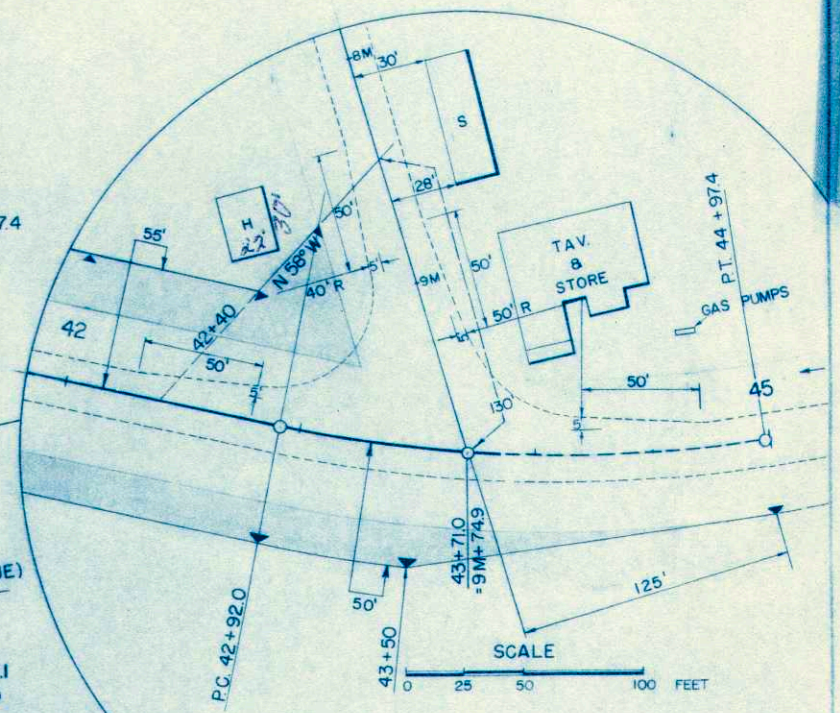
**CURVE DATA**

PI - 43 + 95.8  
 Δ - 20° - 32.  
 D - 10° - 00  
 T - 103.8  
 L - 205.4  
 E - 9.33  
 SE = 0.05 FT./FT.  
 R = 573.0

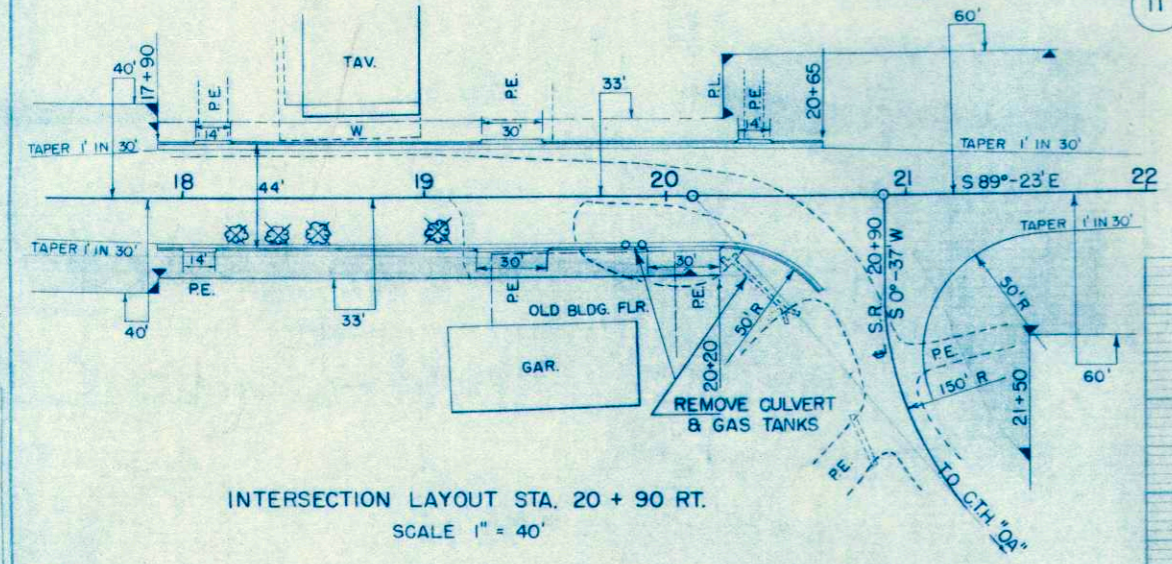
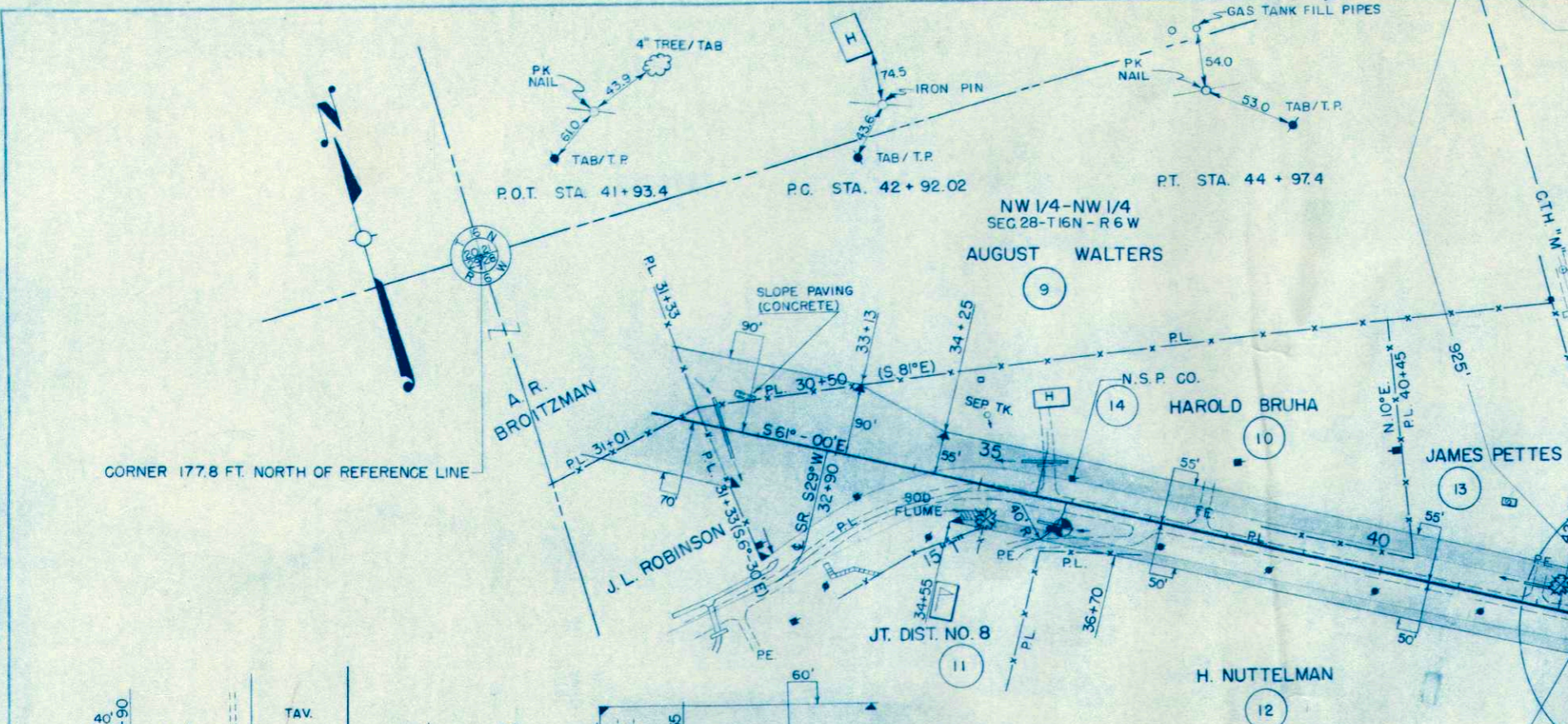
NE 1/4 - NW 1/4  
SEC. 28 - T16N - R6 W

PROJ. S 0123 (9)  
END OF RELOC. ORDER STA. 44 + 97.4

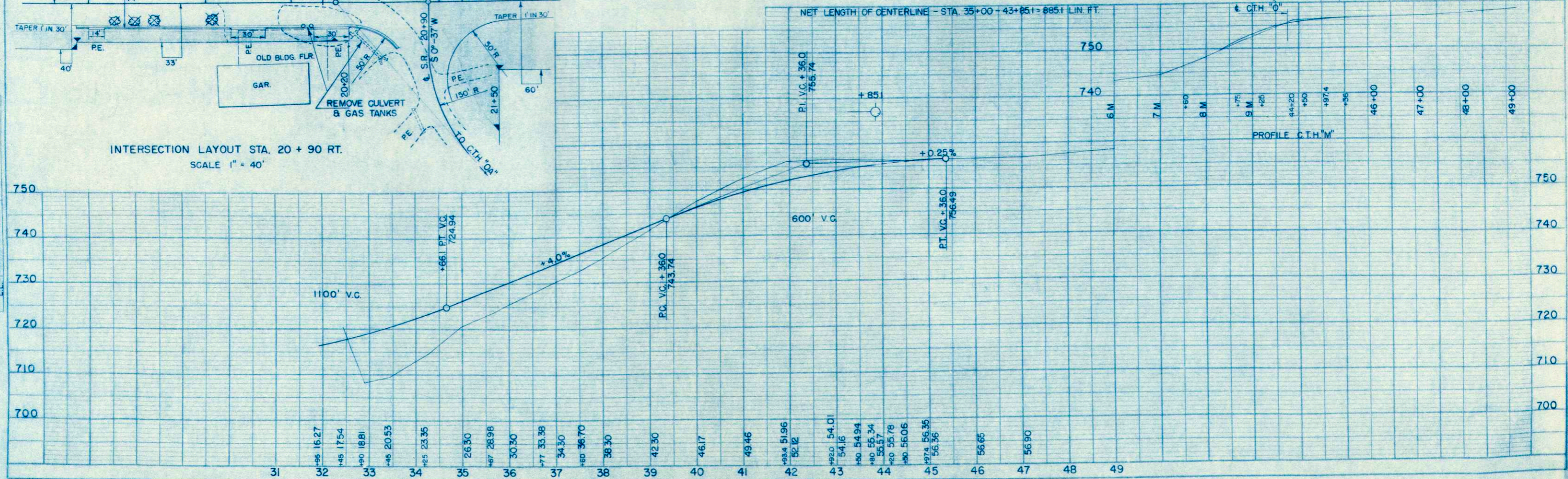
END PROJ. S 0123 (9) 43 + 85.1  
BEGIN PROJ. S 0123 (6) 1 + 50



NO.	STATION	DESCRIPTION	ELEV.
5	35 + 82	PK NAIL IN TEL. P. 36' RT.	730.07
6	46 + 16	SPLICE IN P. POLE 4' LT.	757.50



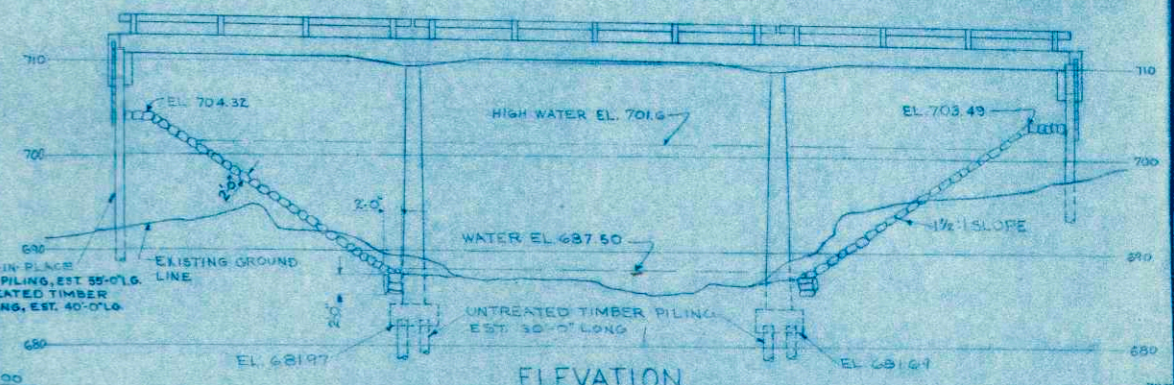
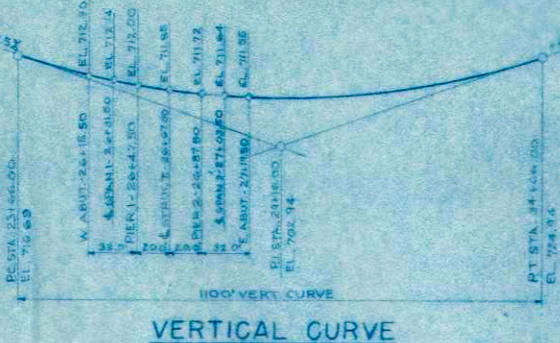
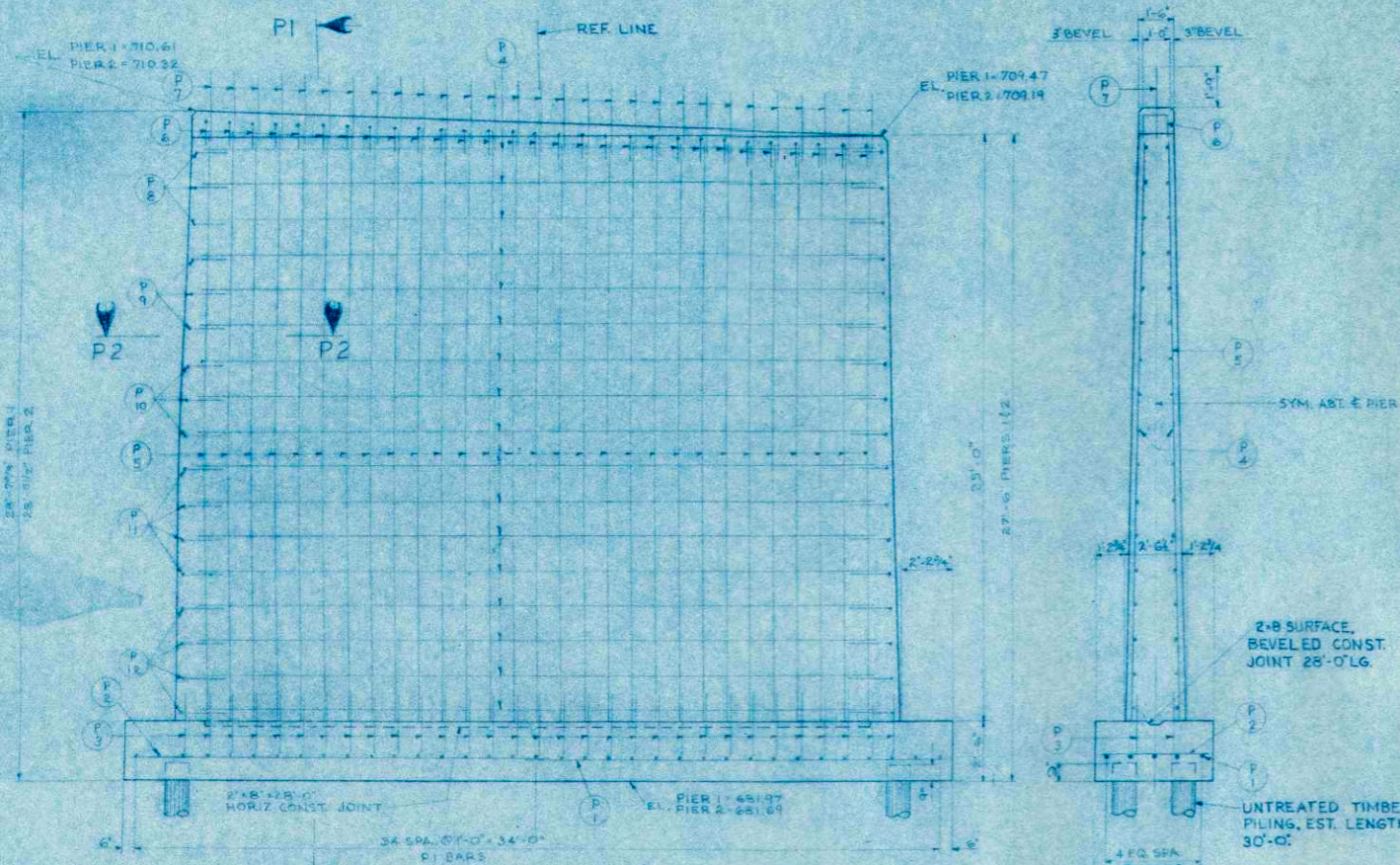
INTERSECTION LAYOUT STA. 20 + 90 RT.  
SCALE 1" = 40'



PLAN  
 SURVEYED  
 PLATTED  
 NOTE BOOK  
 NO. 403 P

PROFILE  
 SURVEYED  
 PLATTED  
 NOTE BOOK  
 NO. 403 P

NO	STATION	DESCRIPTION	EL.	COUNTY & HIGHWAY	ROUTE & SECTION	CLASS & AGREEMENT	FEDERAL	D. P. R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
4	29+98	PK NAIL 42' ELM 100' RT.	719.08	32.6	123.0		11.9	4	50123(9)	12	22



### GENERAL NOTES

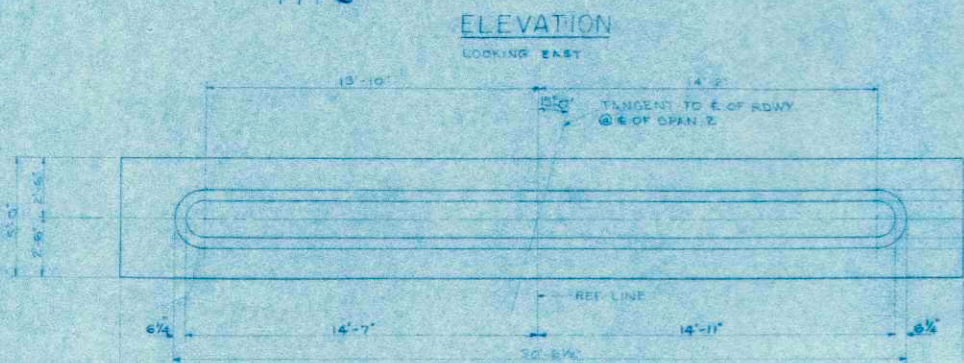
DRAWINGS SHALL NOT BE SEALED UNLESS EXPOSED EDGES OF CONCRETE UNLESS OTHERWISE SHOWN.

ALL CONCRETE MASONRY SHALL BE GRADE "A" EXCEPT GRADE "X" SHALL BE USED FOR RAILS AND RAIL POSTS. BAR STEEL REINFORCEMENT SHALL BE IMBEDDED CLEAR UNLESS OTHERWISE SHOWN OR NOTED. THE USE OF STRUCTURAL GRADE BAR STEEL REINFORCEMENT IS PROHIBITED.

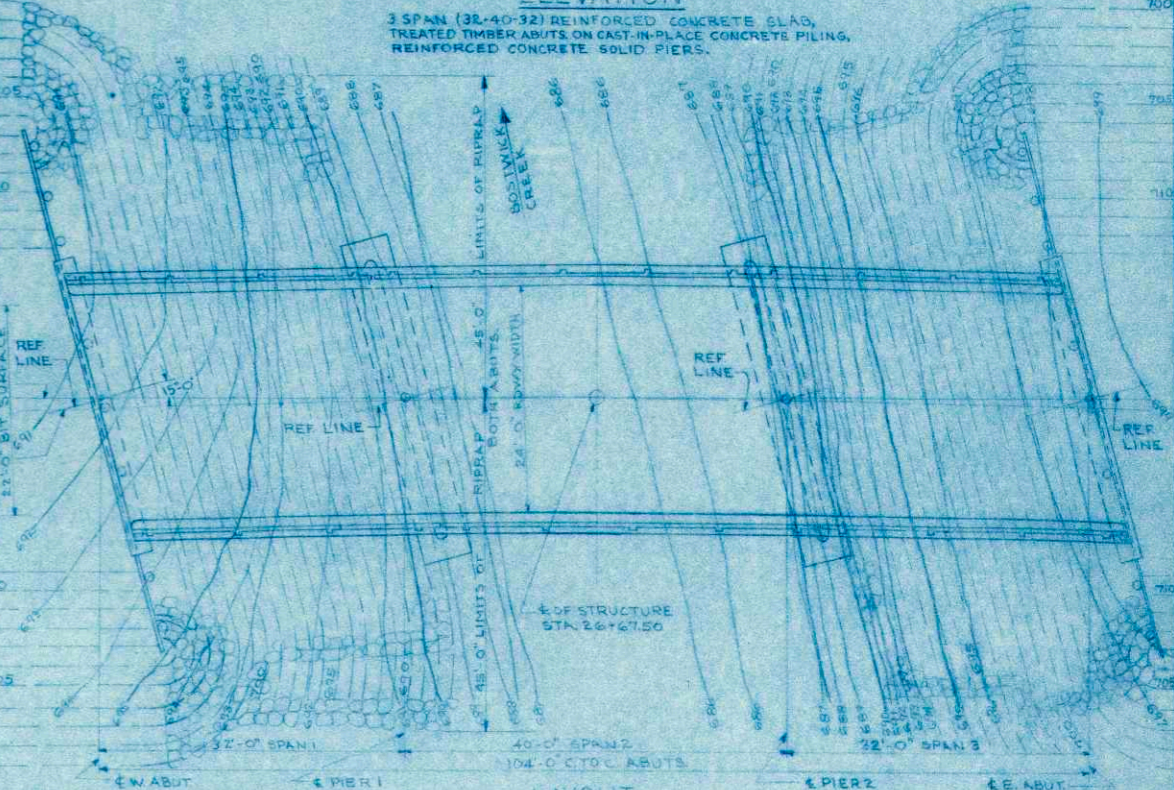
PILING FOR ABUTMENT CAPS SHALL BE 14" CAST-IN-PLACE CONCRETE PILING, ESTIMATED 55'-0" LONG AND DRIVEN TO A MINIMUM BEARING VALUE OF 30 TONS PER PILE. PILING FOR ADJUSTMENT SHALL BE TREATED TIMBER PILING, ESTIMATED 40'-0" LONG AND DRIVEN TO A MINIMUM BEARING VALUE OF 17 TONS PER PILE. PILING FOR PIERS SHALL BE UNTREATED TIMBER PILING, ESTIMATED 30'-0" LONG AND DRIVEN TO A MINIMUM BEARING VALUE OF 20 TONS PER PILE.

THE FRONT FACE OF THE ABUTMENTS SHALL BE REPRESENTED AS SHOWN IN SECTION B2 ON X1113 AND AS SHOWN ON THIS SHEET TO PROVIDE FOR DEAD LOAD DEFLECTION. FUTURE PLASTIC FLOW AND NEGATIVE CAMBER OF THE GRADE LINE, THE END SPANS SHALL BE CONSTRUCTED WITH A  $-\frac{3}{8}$ " CAMBER AND THE CENTER SPAN SHALL HAVE A  $-\frac{1}{8}$ " CAMBER AT  $\frac{1}{2}$  OF SPAN.

TANG TO & RDWY @  $\frac{1}{4}$  SPAN 2



### SECTION P1



### TOTAL ESTIMATED QUANTITIES

BID ITEMS	UNIT	SUPER	W. ABUT	PIERS	E. ABUT	TOTAL
EXCAVATION FOR STRUCTURES	CY	-	-	160	-	160
CONCRETE MASONRY GRADE "A"	CY	146.2	11.3	144.4	11.5	313.7
CONCRETE MASONRY GRADE "X"	CY	4.1	-	-	-	4.1
BAR STEEL REINFORCEMENT	LBS	29,570	520	5750	550	36,390
TREATED LUMBER TIMBER	MBM	-	1.03	-	1.04	2.07
UNTREATED TIMBER TEST PILING (10 @ 45'0")	LUMP SUM	-	-	-	-	1
UNTREATED TIMBER PILING - DELIVERED	L.F.	-	-	320	-	320
UNTREATED TIMBER PILING - DRIVEN	L.F.	-	-	920	-	920
TREATED TIMBER PILING - DELIVERED	L.F.	-	200	-	200	400
TREATED TIMBER PILING - DRIVEN	L.F.	-	175	-	175	350
CAST-IN-PLACE CONCRETE TEST PILING (1 @ 10'-0")	LUMP SUM	-	-	-	-	1
CAST-IN-PLACE CONCRETE PILING - DELIVERED	L.F.	-	220	-	275	495
CAST-IN-PLACE CONCRETE PILING - DRIVEN	L.F.	-	175	-	250	425
HEAVY RIBRAP	CY	-	270	-	280	550
<b>NON-BID ITEM</b>						
JOINT TYPE FILLER	SIZE	1"	-	-	-	1
PREFORMED BITUMINOUS FIBER TYPE FILLER (1/2")	S.F.	56	-	-	-	56

### LIST OF DRAWINGS

1. LAYOUT PIERS	X 17111
2. SUPERSTRUCTURE	X 17112
3. SUPERSTRUCTURE	X 17113
4. WEST ABUTMENT	X 17114
5. EAST ABUTMENT	X 17115

STATE HIGHWAY COMMISSION OF WISCONSIN

**LAYOUT & PIERS**

CO. LA CROSSE    CITY VIL. BARNE WILLS    STA. 26+87.50

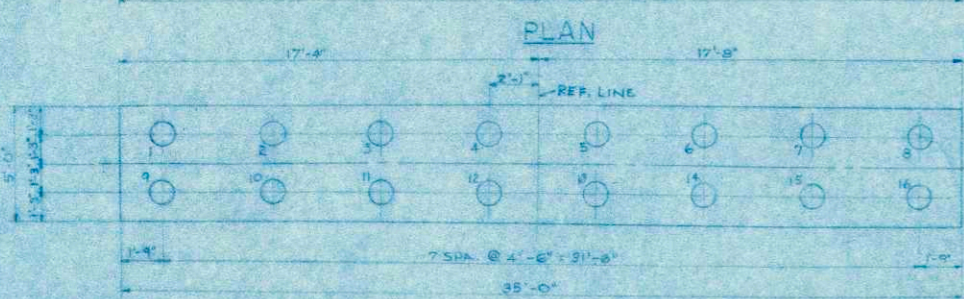
SECTION 29    TOWN 16N    RANGE 6W

DESIGN SPEC. AASHO 1955    LOADING H.E.    COUNTY 1957

DATE 7-26-57    DESIGN W.D.M.    DRAWN J.A.H.    C.D. M.L.L.

SUBMITTED *H.B. Schultz*  
ENGINEER OF BRIDGES

APPROVED *E.H. Ruttiger*  
STATE HIGHWAY ENGINEER

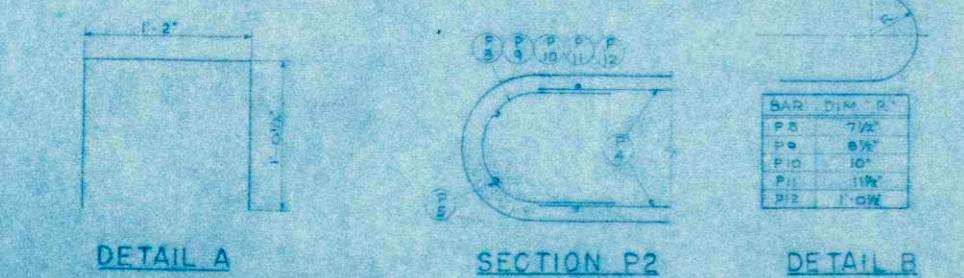


### HORIZONTAL CURVE

CURVE DATA  
P.I. STA. 26+20.10  
 $\Delta = 28^\circ 22' 30''$   
D = 4'-0"-0"  
R = 1432.69 FT.  
SE = 0.04 FT/FT

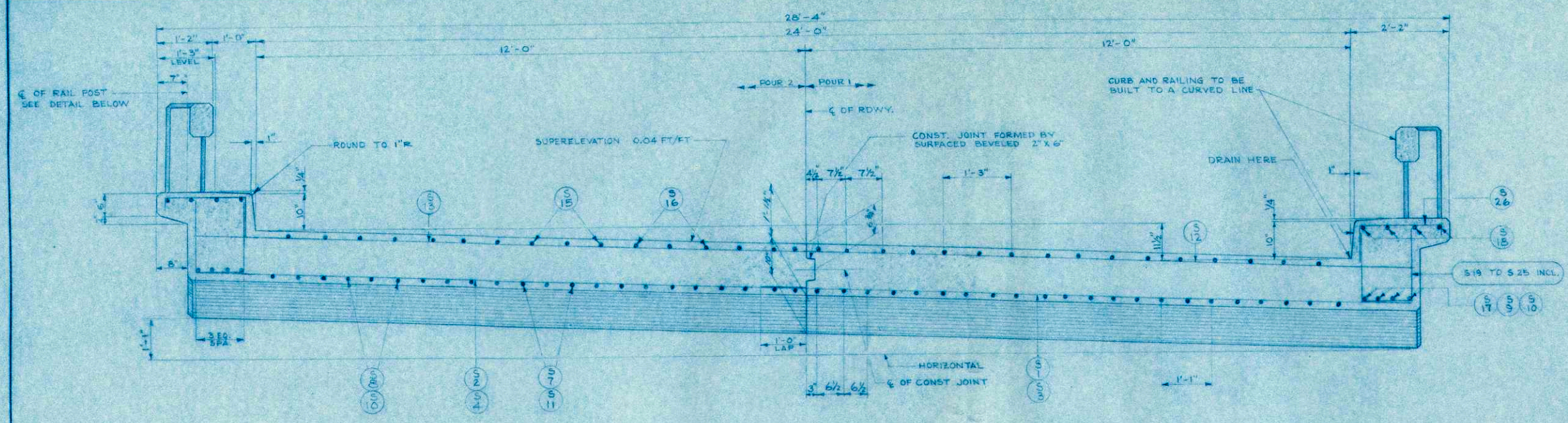
### BILL OF BARS (5760#)

POUR MARK	NO.	SIZE	LENGTH	SPACING	LOCATION	DET.
FOOTING	P1	20	9	17-9	SHOWN	TRANS.
	P2	30	4	4-6	1-0	LONG.
	P3	124	5	2-6	1-0	VERT.
BODY	P4	68	4	28-0	1-6	HORIZ SIDES
	P5	124	5	24-6	1-0	VERT.
	P6	88	4	3-3	1-0	TOP
	P7	28	5	5-6	1-0	
	P8	17	4	4-0	1-6	HORIZ NOSE
	P9	12	4	4-6	1-6	
	P10	12	4	4-9	1-6	
	P11	16	4	5-0	1-6	
	P12	16	4	5-5	1-6	



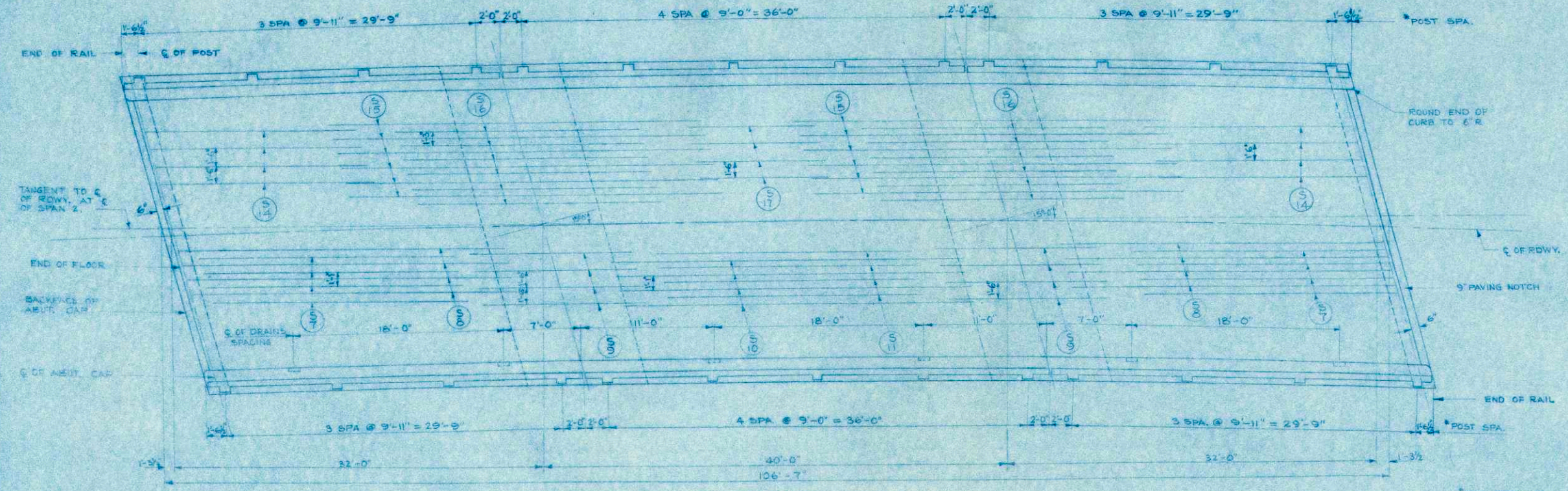
DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT

\* ONE AT PIER 2  
\*\* ONE AT W. ABUT

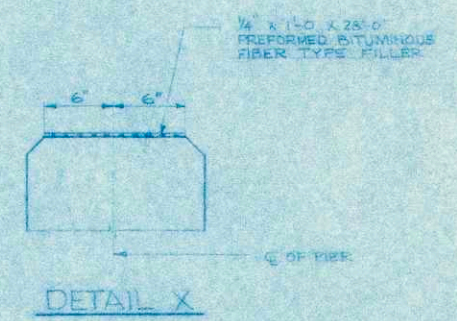


CROSS SECTION THRU RDWY.  
LOOKING EAST

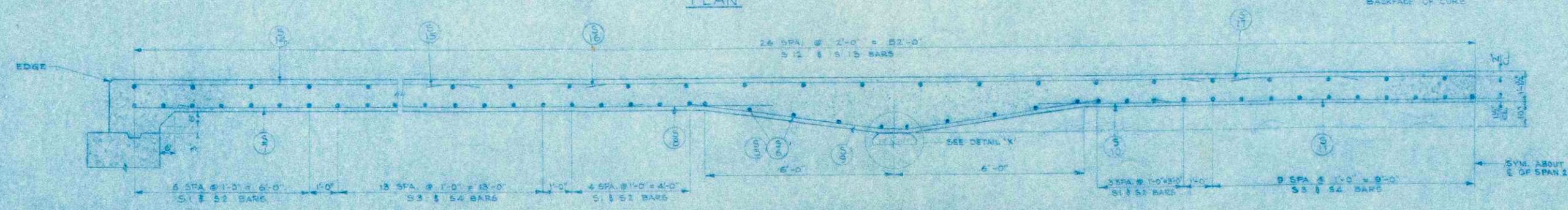
NOTE:  
ALTERNATE TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS.  
BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.



PLAN



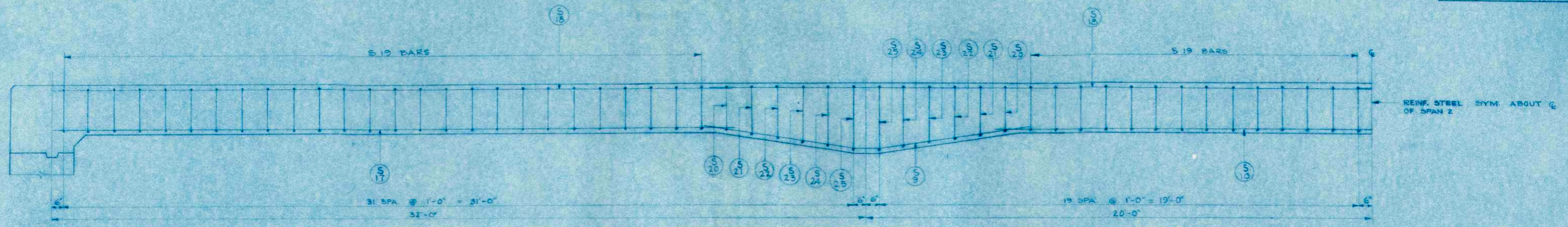
DETAIL X



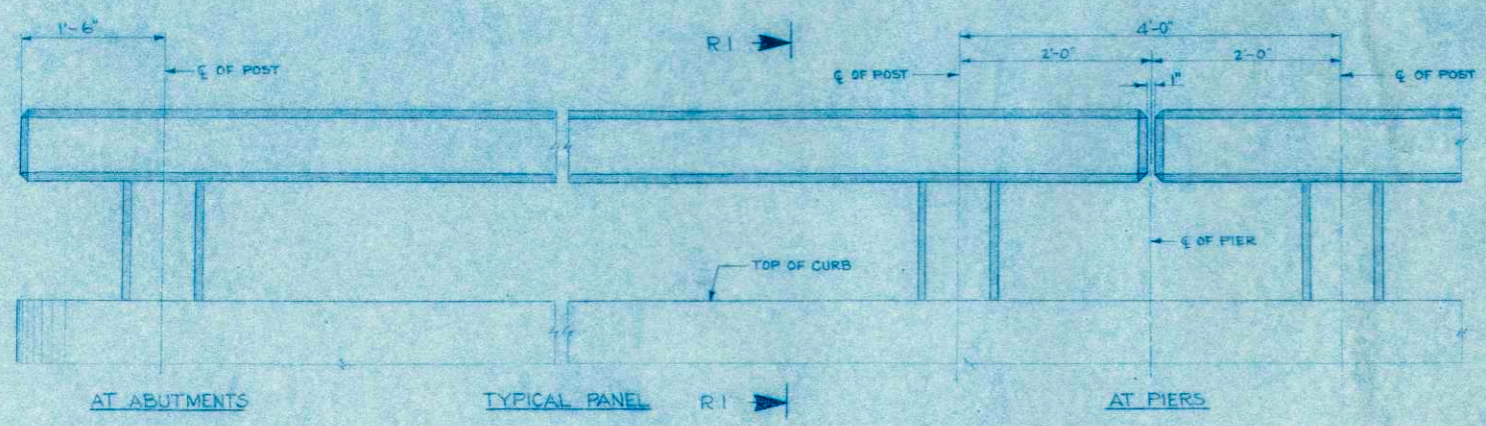
HALF LONGITUDINAL SECTION  
PLACE TRANSVERSE BARS PARALLEL TO SUBSTRUCTURE UNITS

REVISED	STATE HIGHWAY COMMISSION OF WISCONSIN		
	SUPERSTRUCTURE		
	DESIGN SPEC. 2.4.5.10. 1953	LOADING 14.15	CONCRETE 1957
	DATE 7-26-57	DESIGN	DRAWN R.W.B. C.R. 4/6/6
STRUCTURE B-32-20	SHEET 2 OF 5		

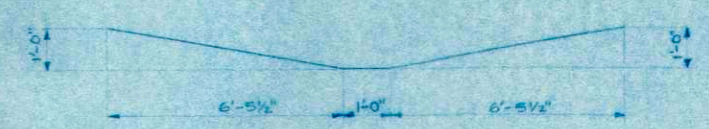
X 17112



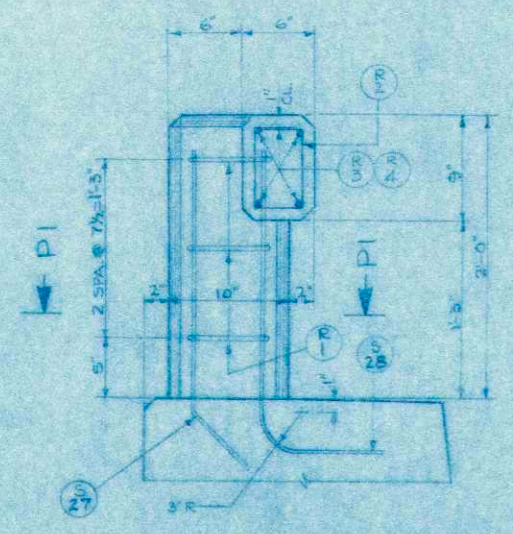
HALF LONGITUDINAL SECTION THRU CURBS



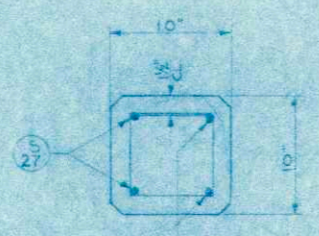
ELEVATION OF RAILING  
FOR POST SPACING SEE X.17112



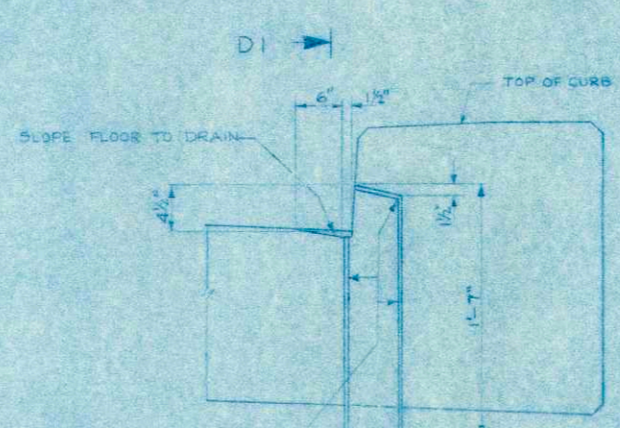
DETAIL A



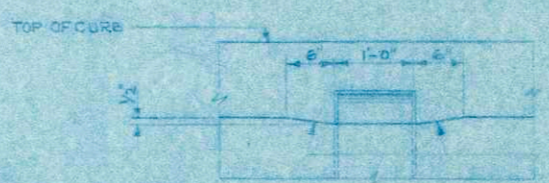
SECTION R1



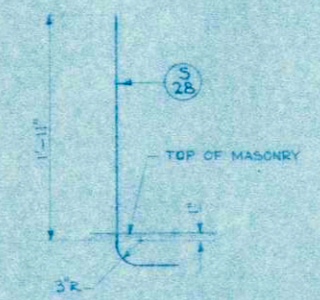
SECTION P1



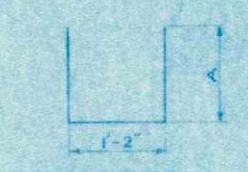
SECTION THRU DRAIN



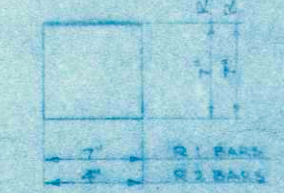
SECTION D1



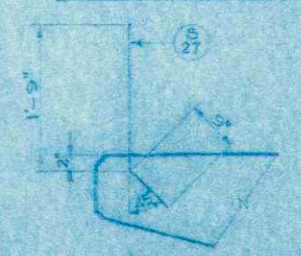
DETAIL B



DETAIL C



DETAIL D  
BEND IN FIELD



DETAIL E

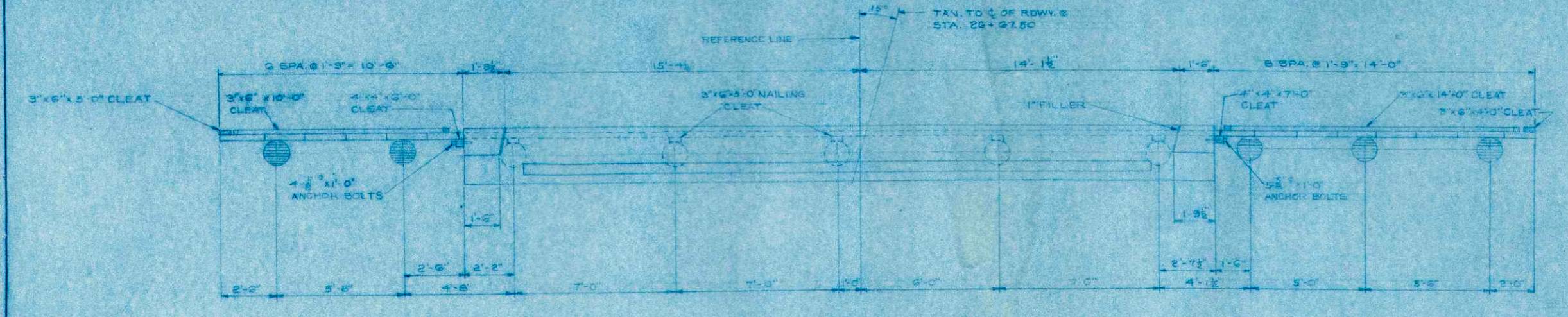
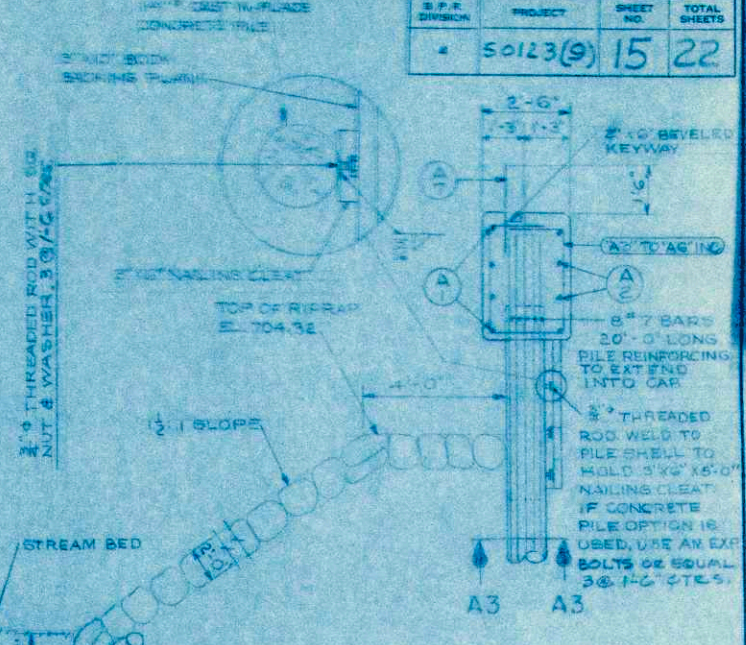
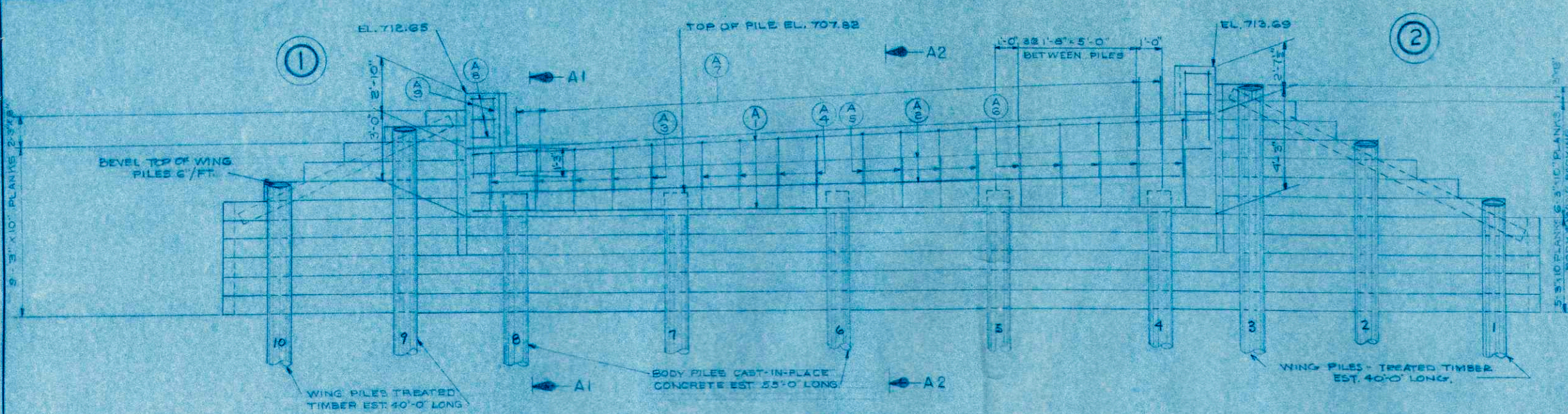
DETAIL F  
S 26 BAR

BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT

POUR MARK	NO.	SIZE	LENGTH	SPACING	LOCATION	DET.
S1	32	4	14-6	1-0	TRANS.-FLOOR-BOTTOM-POUR 1	
S2	32	4	13-3	1-0	" " " " " " " " " " " "	
S3	47	5	14-6	1-0	" " " " " " " " " " " "	
S4	47	5	13-3	1-0	" " " " " " " " " " " "	
S5	20	4	14-6	1-6	TRANS.-RAILING-BOTTOM-POUR 1	
S6	20	4	13-3	1-6	" " " " " " " " " " " "	
S7	44	3	32-0	1-1	LONG-FLOOR-BOTTOM SPANS 1 & 2	
S8	44	3	28-0	1-1	" " " " " " " " " " " "	
S9	52	4	14-3	SHOWN	LONG-RAILING-BOTTOM-POUR 2	A
S10	30	9	30-0	1-1	LONG-FLOOR-BOTTOM SPANS 1 & 2 ALSO CURB	
S11	22	9	22-0	1-1	" " " " " " " " " " " "	
S12	58	4	14-6	2-0	TRANS.-FLOOR-TOP-POUR 1	
S13	53	4	13-3	2-0	" " " " " " " " " " " "	
S14	28	4	15-0	1-6	LONG-FLOOR-TOP-SPANS 1 & 2	
S15	58	3	32-0	1-3	" " " " " " " " " " " "	
S16	58	3	21-0	1-3	" " " " " " " " " " " "	
S17	8	9	26-6	1-6	" " " " " " " " " " " "	
S18	52	9	26-9	SHOWN	LONG-CURB-TOP	
S19	50	4	4-3	"	TRANS.-CURB	C
S20	5	4	4-6	"	" " " " " " " " " " " "	C
S21	8	4	4-9	"	" " " " " " " " " " " "	C
S22	8	4	5-3	"	" " " " " " " " " " " "	C
S23	8	4	5-6	"	" " " " " " " " " " " "	C
S24	8	4	5-9	"	" " " " " " " " " " " "	C
S25	8	4	6-0	"	" " " " " " " " " " " "	C
S26	12B	4	3-3	1-0	" " " " " " " " " " " "	F
S27	52	5	2-6	SHOWN	VERT.-RAIL POST	E
S28	52	5	3-0	"	" " " " " " " " " " " "	B
R1	78	3	2-5	SHOWN	HORIZ. RAILING POST	D
R2	108	2	2-3	1-0	TRANS. RAILING	D
R3	32	5	16-3	SHOWN	LONG RAILING SPANS 1 & 2	
R4	16	5	26-3	SHOWN	" " " " " " " " " " " "	





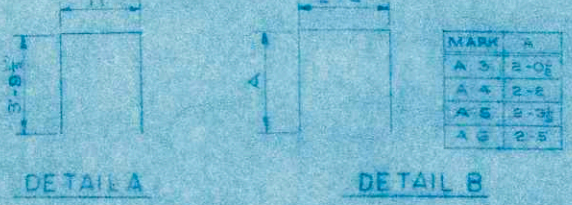
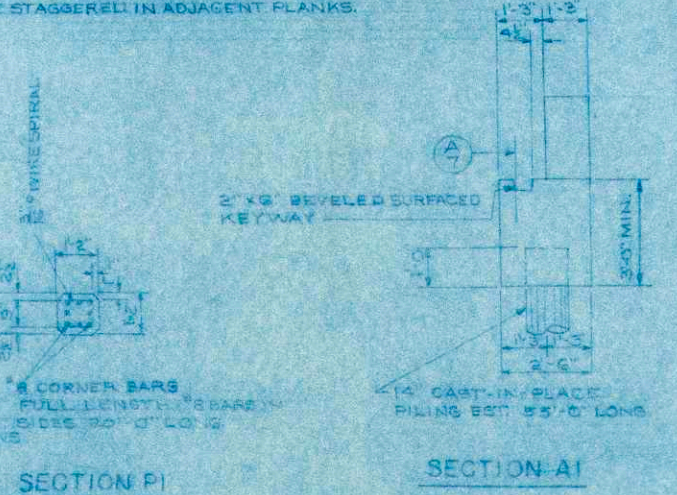
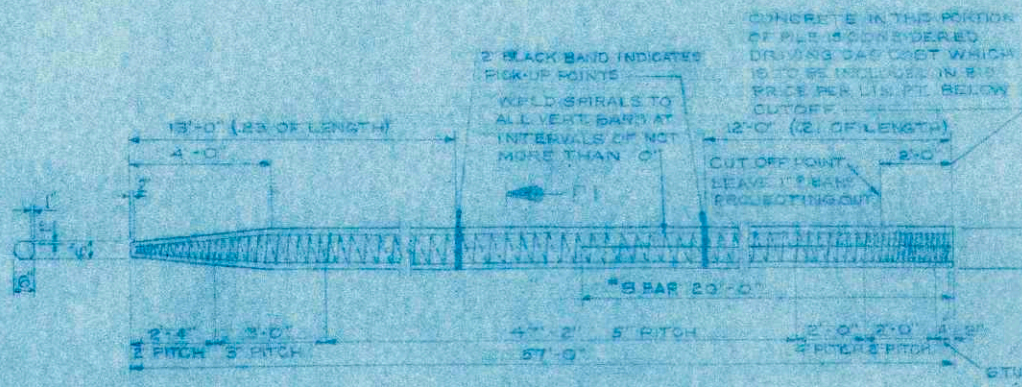
NOTE: THE 3" x 10" BULKHEAD PLANK IN THE BODY OF THE ABUTMENT MAY BE SPICED. SPICES MUST BE AT 1/4 OF PILE AND MUST BE STAGGERED IN ADJACENT PLANKS.

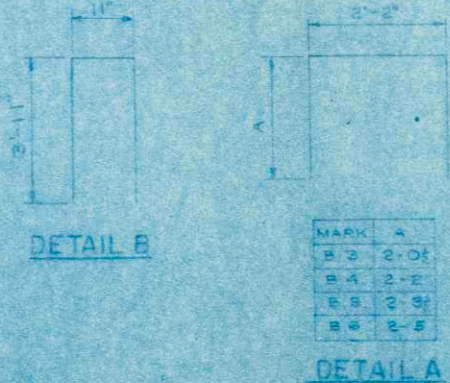
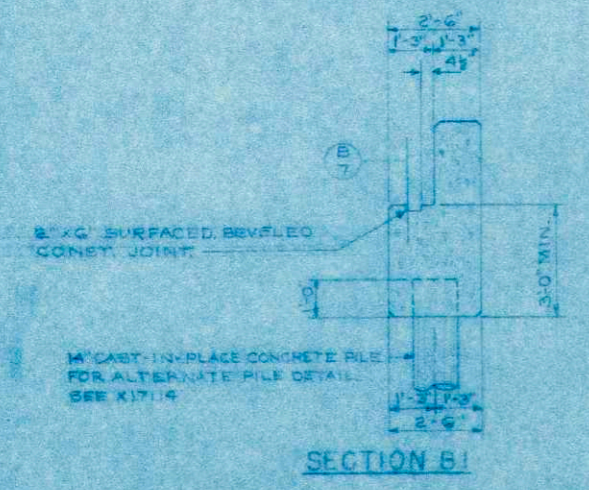
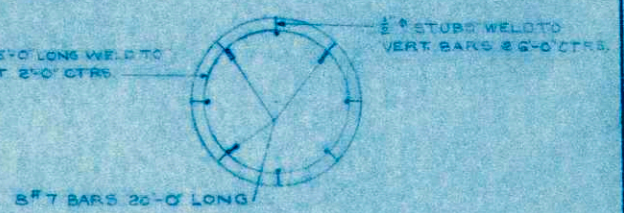
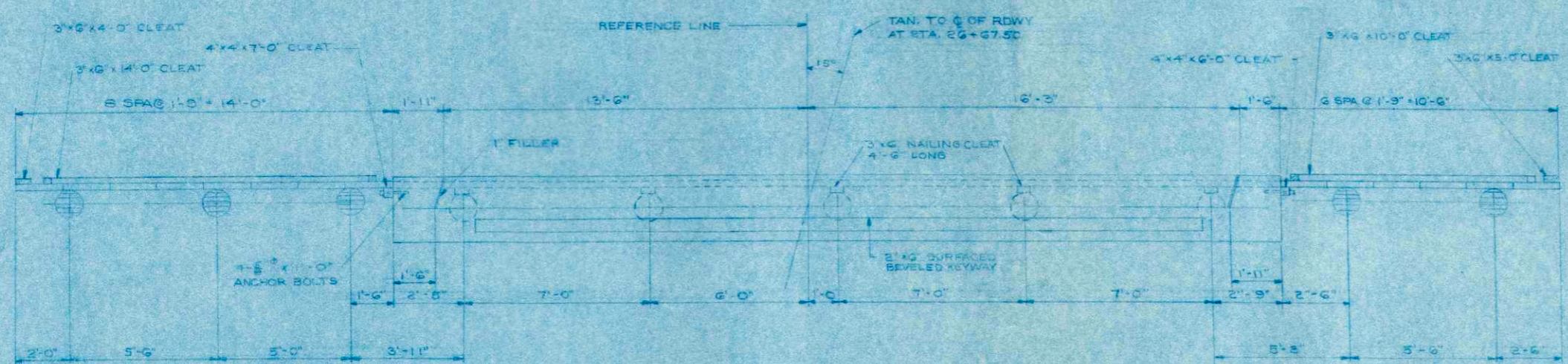
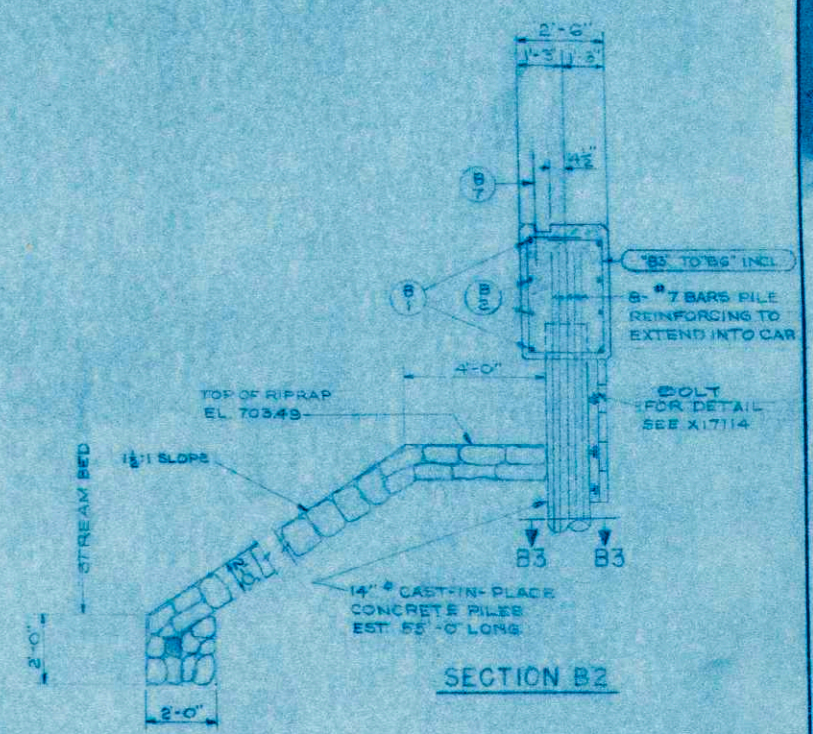
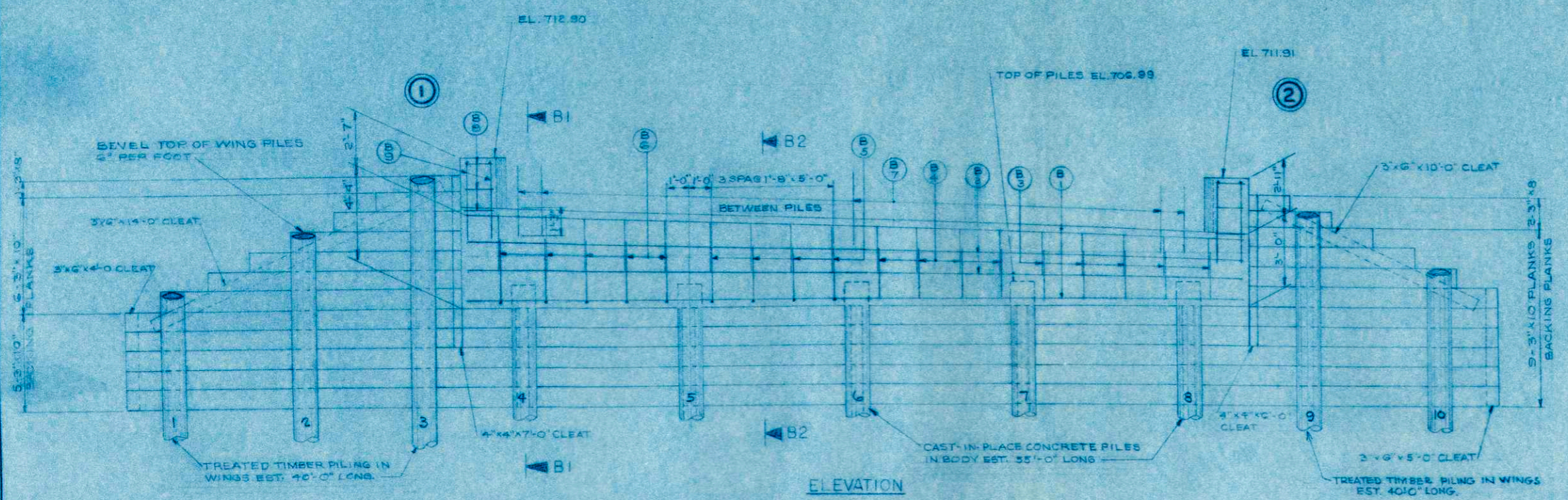
**BILL OF BARS**

POUR MARK	NO.	SIZE	LENGTH	SPACING	LOCATION	DET.
A 1	4	6	30'-0"	SHOWN	CAP CORNERS	
A 2	4	4	32'-0"	"	" SIDES	
A 3	10	4	6'-3"	"	" STIRRUPS	A
A 4	8	4	6'-6"	"	"	A
A 5	8	4	6'-9"	"	"	A
A 6	10	4	7'-0"	"	"	A
A 7	28	4	2'-3"	1'-0"	" SLAB	
A 8	12	4	1'-3"	SHOWN	" WING	
A 9	4	4	8'-0"	"	"	

**TREATED TIMBER & LUMBER**

NOMINAL SIZE	NO. OF PIECES	LENGTH	LOCATION
3" x 10"	1	3'-6"	WING 2 BACKING
	2	5'-3"	" 1&2"
	2	7'-0"	" 1&2"
	2	8'-8"	" 1&2"
	2	10'-6"	" 1&2"
8" x 8"	1	1'-9"	WING 1&2 BACKING
	1	3'-6"	" 1"
3" x 6"	1	5'-0"	CLEAT WING 1
	1	10'-0"	" " 1
	1	4'-0"	" " 2
	1	14'-0"	" " 2
	5	5'-0"	BODY NAILING CLEAT
4" x 6"	1	6'-0"	CLEAT WING 1
	1	7'-0"	" " 2





**BILL OF BARS**  
DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

MARK	NO.	SIZE	LENGTH	SPACING	LOCATION	DET.
B1	4	6	22-6		SHOWN CAR CORNERS	
B2	4	4	28-6		SIDES	
B3	4	4	2-3		STIRRUPS	
B4	6	4	5-8			A
B5	10	4	0-0			A
B6	10	4	7-0			A
B7	20	4	2-8		8 SLAB	
B8	4	4	1-0		WING CAR	
B9	4	4	8-8			B

**SECTION B3  
TREATED TIMBER AND LUMBER**

NOMINAL SIZE	NO. OF PIECES	LENGTH	LOCATION
1"	2	2-6	WING BACKING
2"	3	5-3	" 12 "
2"	2	7-0	" 12 "
2"	2	8-3	" 12 "
3" x 10"	2	10-6	" 12 "
1"	1	12-3	" 1 "
5"	1	57-9	" 4 BODY BACKING
3" x 8"	2	1-8	" 122 "
1"	1	3-6	" 2 "
1"	1	4-0	WING CLEAT
3" x 6"	1	14-0	" 1 "
1"	1	8-0	" 2 "
1"	1	10-0	" 2 "
3"	3	4-6	BODY NAILING CLEAT
4" x 4"	1	7-0	WING CLEAT
1"	1	8-0	" 2 "

ALL LUMBER & TIMBER 100% FSC  
BULKHEAD PLANK MAY BE SPLICED, SEE NOTE ON R1714

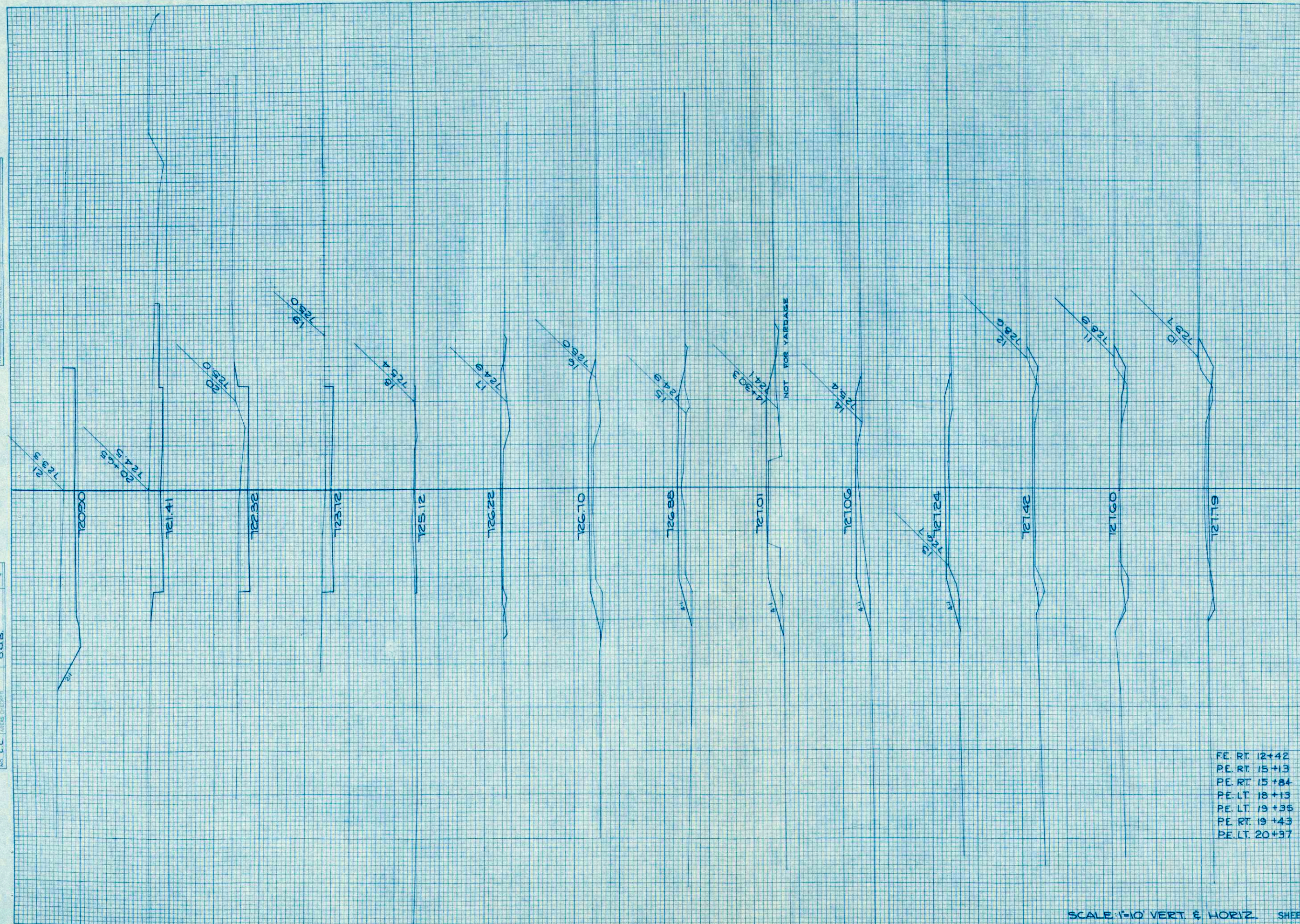
REVISION: STATE HIGHWAY COMMISSION OF WISCONSIN  
**EAST ABUTMENT**

DESIGN SPEC. A W-1200 LOADING 11E CORR. 1957  
DATE: 10/2/57 DESIGNER: V. C. W. L. DRAWN: B. D. C. C. C.

STRUCTURE B-32-20 SHEET 5 OF 5

FINAL SURVEY  
 NO. 10000  
 DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 SURVEYED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ORIGINAL SURVEY  
 NO. 10000  
 DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_



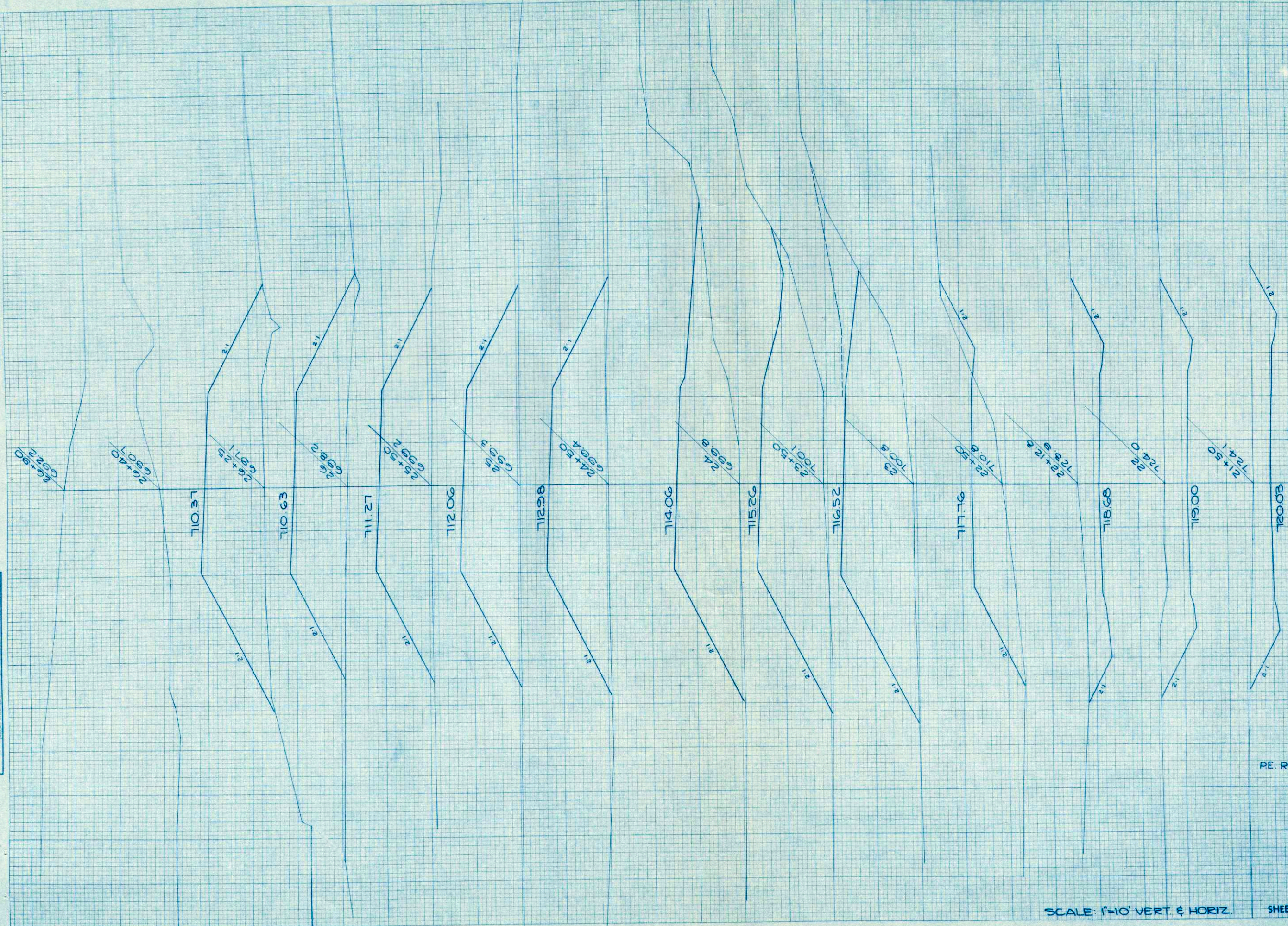
STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
0	122		63
11	39		100
12	13		185
13	0		241
14	0		278
15	0		296
16	0		213
17	37		67
18	204		2
19	361		0
20	306		0
21	568		0
50			

PE. RT. 12+42 26  
 PE. RT. 15+13 33  
 PE. RT. 15+84 15  
 PE. LT. 18+13 15  
 PE. LT. 19+35 33  
 PE. RT. 19+43 30  
 PE. LT. 20+37 30

FINAL SURVEY  
 DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_

ORIGINAL SURVEY  
 DATE: 4-51  
 BY: VES. E. J. G.  
 CHECKED: \_\_\_\_\_  
 NO. 4024

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	50123(9)	18	22



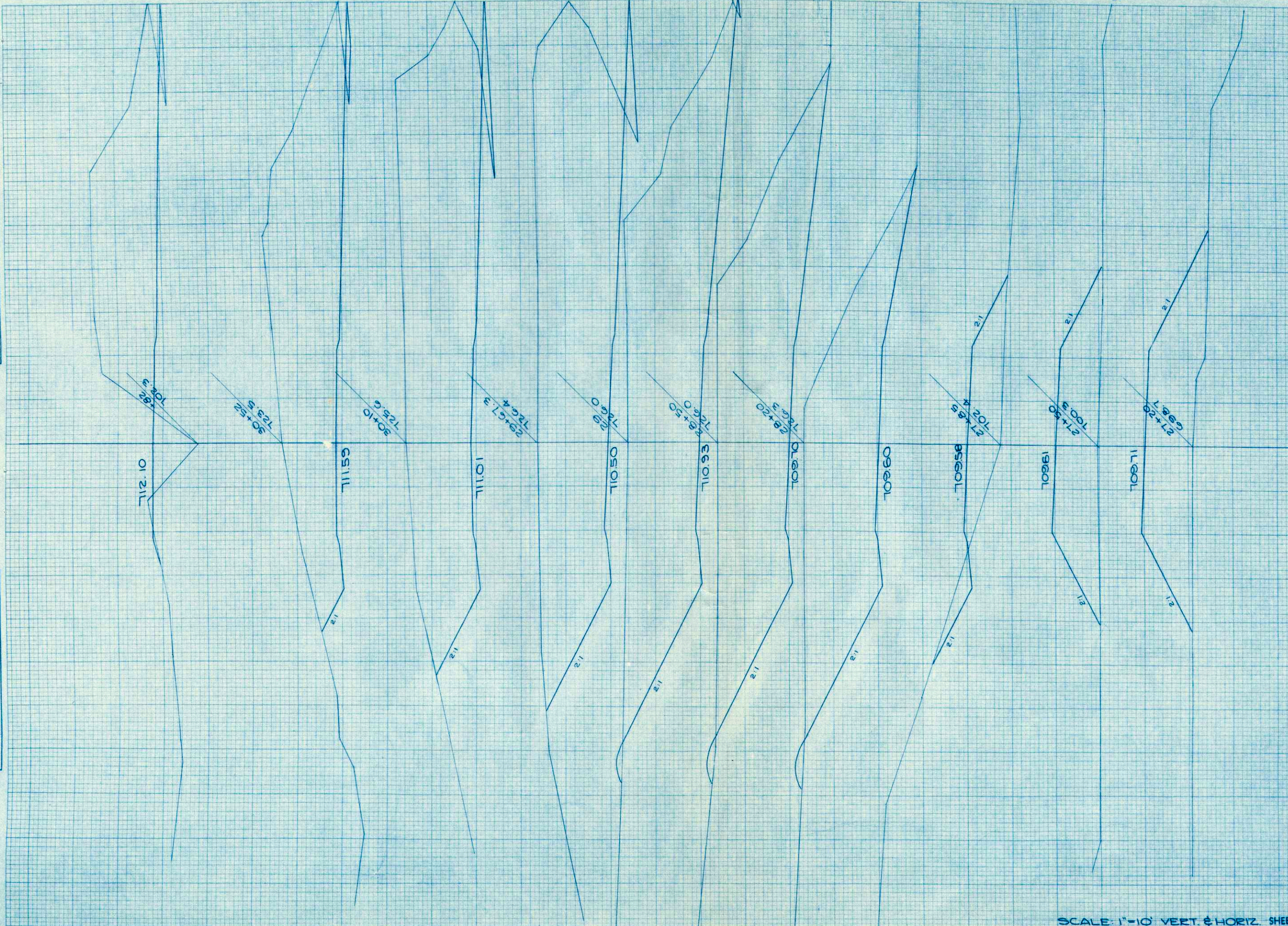
STATION	DISTANCE	YARDAGE	
		EXCAVATION	
		UNCL.	FILL
21+50		843	0
22		224	0
+28		337	289
+50		37	1522
23		0	2135
+50		0	1917
24		0	1750
+50		0	1638
25		0	1519
+50		0	1491
26		0	817
+25			
BRIDGE			
23+00			151

SCALE: 1"=10' VERT. & HORIZ.

SHEET TOTAL 1441 13,224

FINAL SURVEY BY DATE  
 SURVEYED PLOTTED  
 NOTE BOOK NO. 41848  
 NO. 100

ORIGINAL SURVEY BY DATE  
 SURVEYED PLOTTED  
 NOTE BOOK NO. 41848  
 NO. 100



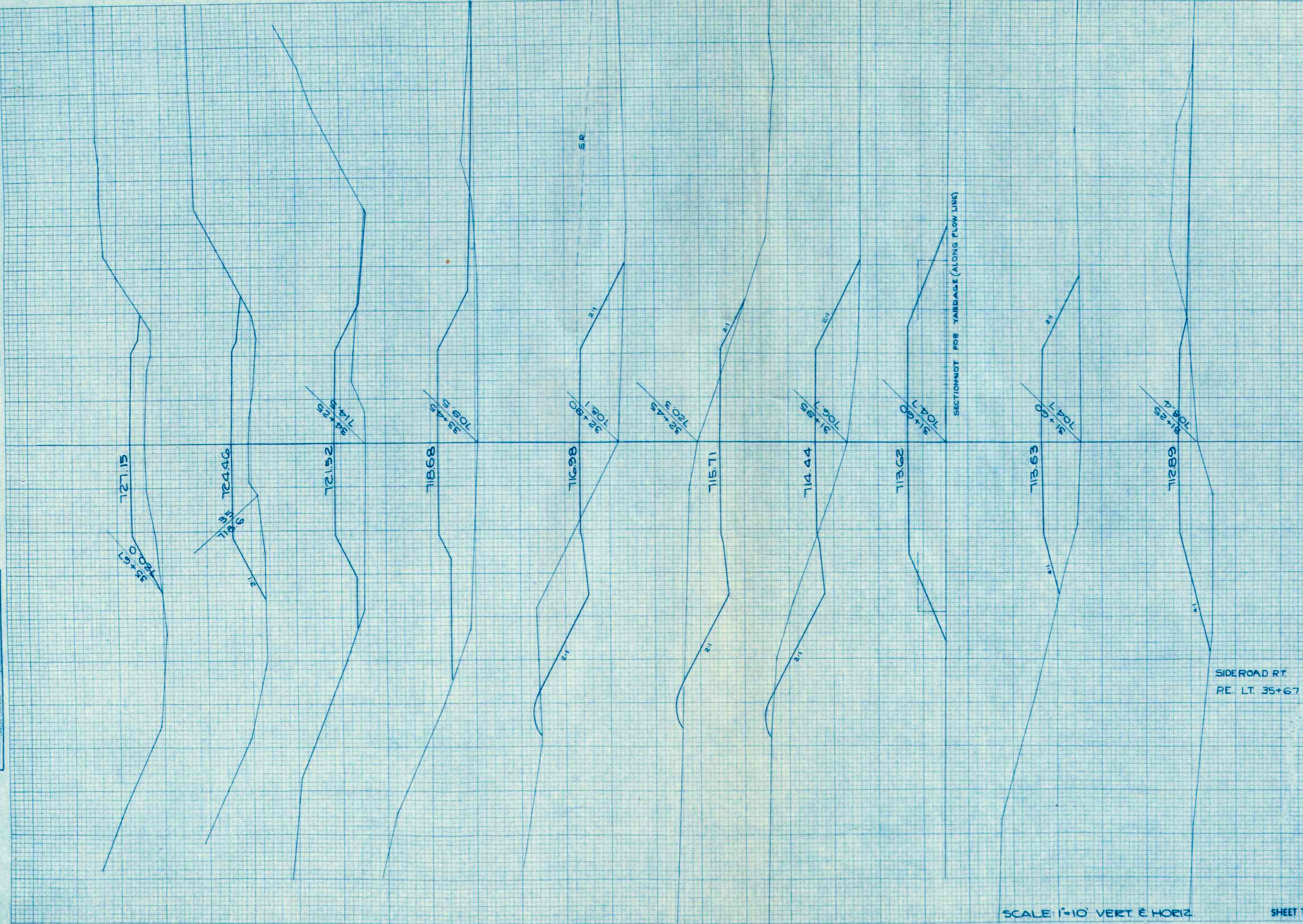
R.P.R. DISTRICT OFFICE PROJECT SHEET NUMBER TOTAL SHEETS  
 WIS. 4 50123(2) 19 22

STATION	DISTANCE	YARDAGE				
		EXCAVATION		FILL		
		UNCL.				
88						
+ 82						67
+ 52	1464					
+ 50	3030					
+ 30	3955					
+ 23	6181					
88						
+ 50	3815					
+ 20	1806					
+ 28	913					215
+ 05	26					609
+ 50						
+ 27						772
+ 26	0					433
88						
UNCL.						

SCALE: 1"=10' VERT. & HORIZ. SHEET TOTAL 21,190 2096

FINAL SURVEY  
 SURVEYED BY: [blank]  
 PLOTTED BY: [blank]  
 CHECKED BY: [blank]  
 DATE: [blank]

ORIGINAL SURVEY  
 SURVEYED BY: [blank]  
 PLOTTED BY: [blank]  
 CHECKED BY: [blank]  
 DATE: [blank]

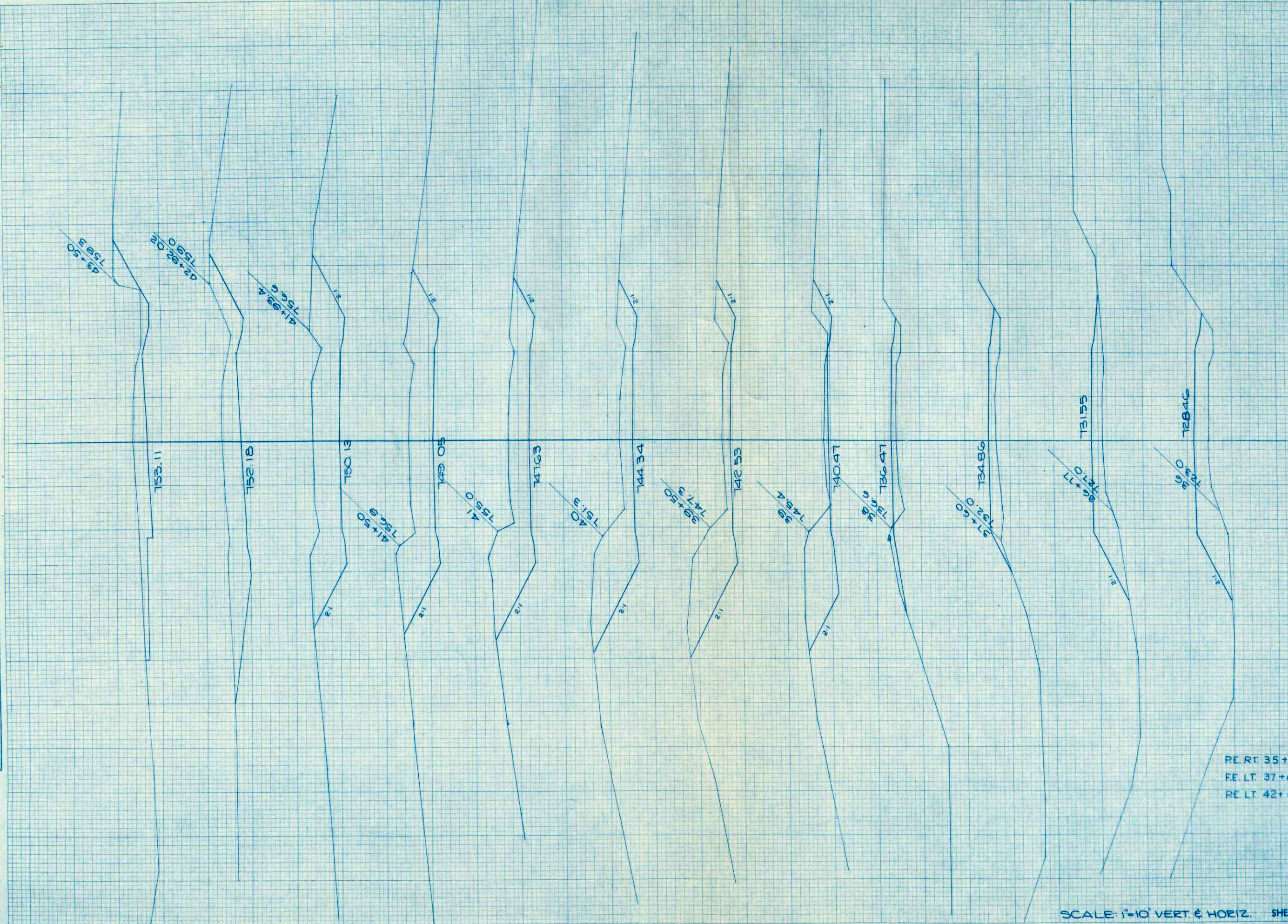


STATION	DISTANCE	YARDAGE	
		EXCAVATION	
		UNCL.	FILL
30+82			
31+25	931		350
31+60	100		515
31+95	83		531
32+45	489		337
32+90	513		317
33+45	270		978
34+25	89		1400
35+00	15		881
35+67	0		620
SIDEROAD RT. PE. LT. 35+67	32+90		1621
			230
<b>SHEET TOTAL</b>		<b>2430</b>	<b>7180</b>

SCALE: 1"=10' VERT. & HORIZ.

FINAL SURVEY  
 DIVYED: \_\_\_\_\_  
 PLATTER: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 NO. \_\_\_\_\_  
 DATE: \_\_\_\_\_

ORIGINAL SURVEY  
 DIVYED: \_\_\_\_\_  
 PLATTER: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 NO. \_\_\_\_\_  
 DATE: \_\_\_\_\_

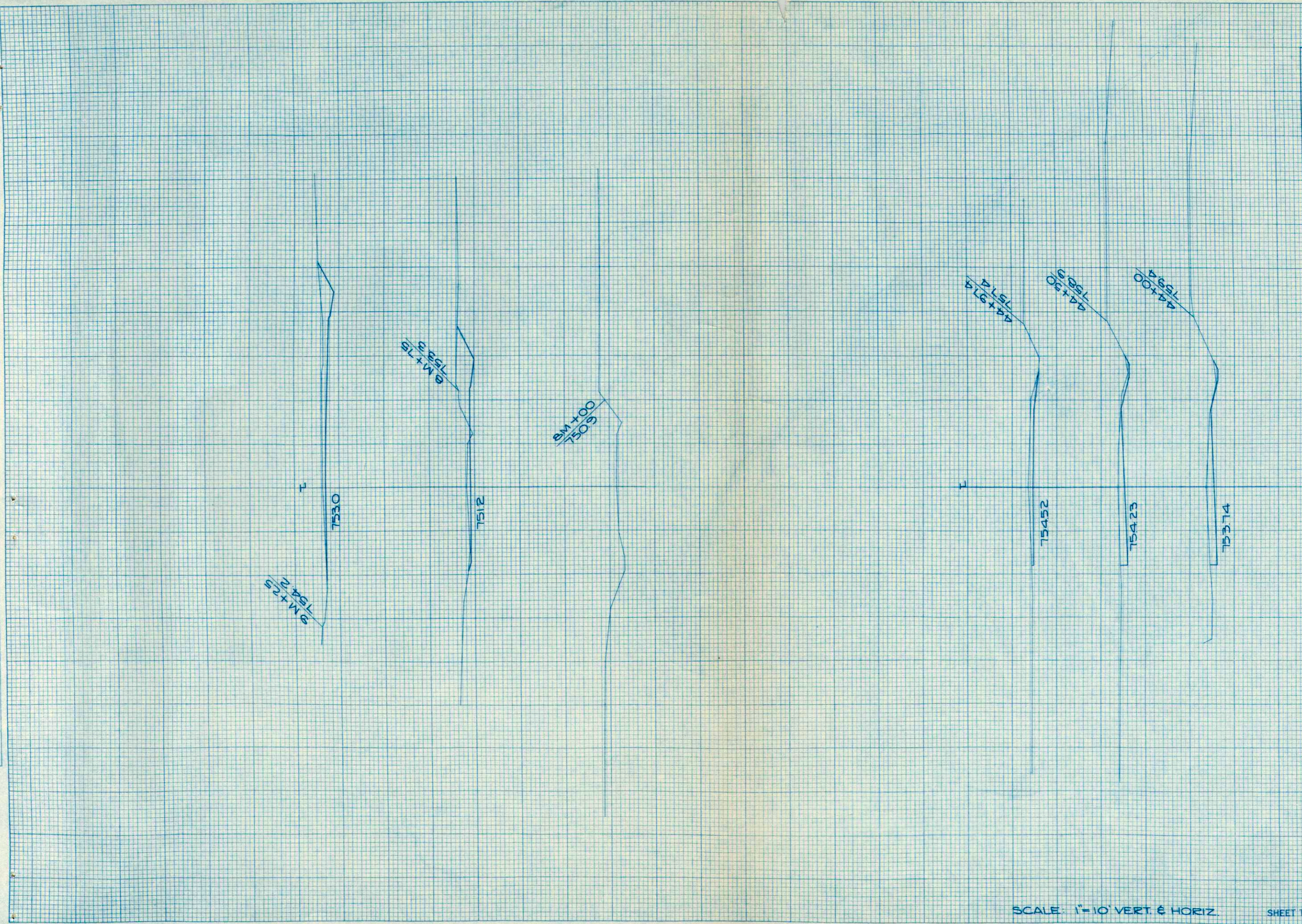


STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
		UNCL.	
35 + 00			
36 + 00		0	278
36 + 77		0	624
37 + 60		0	476
38 + 00		13	126
39 + 00		459	111
39 + 50		482	0
40 + 00		583	0
41 + 00		1370	0
41 + 50		790	0
41 + 93.4		728	0
42 + 92.02		1422	0
43 + 50		648	0
PE. RT. 35+90		100	60
FE. LT. 37+60			0
RE. LT. 42+00			0
SHEET TOTAL		6535	1675

SCALE: 1"=10' VERT. & HORIZ.

FINAL SURVEY BOOK NO. 101  
 REVISED BY DATE  
 PLOTTED BY DATE  
 AREAS CHECKED

ORIGINAL SURVEY BOOK NO. 101  
 REVISED BY DATE  
 PLOTTED BY DATE  
 AREAS CHECKED



STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
81+40			
81+50	228		0
81+60	39		0
81+70	84		0
81+80	96		0
81+90			
81+100	257		4
81+110			
81+120			
81+130			
81+140			
81+150			
81+160			
81+170			
81+180			
81+190			
81+200			
81+210			
81+220			
81+230			
81+240			
81+250			
81+260			
81+270			
81+280			
81+290			
81+300			