

BILL OF BARS

BAR STEEL DIMENSIONS APPLY OUT TO OUT.

SUPERSTRUCTURE

(45,880#)

ABUTMENTS

(1,920#)

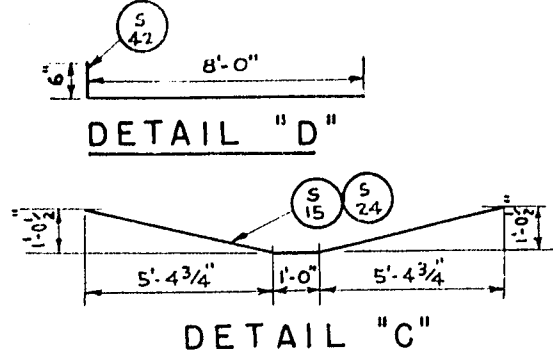
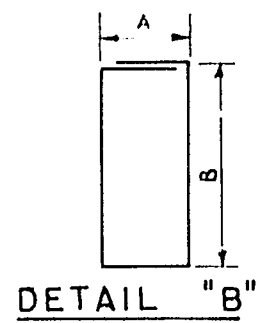
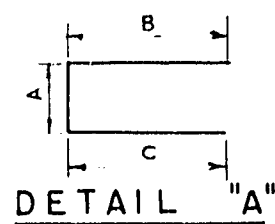
POUR	MARK	NO.	SIZE	LENGTH	SPACING	LOCATION	DETAIL
	S1	56	5	5-0	SHOWN	POSTS & CURBS-INTERMEDIATE POSTS	I
	S2	56	5	3-6	SHOWN	" " " " " "	
	S3	56	5	4-6	SHOWN	" " " " " "	A
	S4	12	5	5-3	SHOWN	" " " " " "	J
	S5	12	5	5-3	SHOWN	" " " " " "	
	S6	8	5	5-0	SHOWN	" " " " " "	A
	S7	8	6	17-0	SHOWN	EXT. GIRDERS - CURB	
	S8	4	6	11-0	SHOWN	" " " " " "	
	S9	12	8	32-0	SHOWN	" " " " " "	
	S10	12	8	12-0	SHOWN	" " " " " "	
	S11	12	8	23-6	SHOWN	" " " " " "	
	S12	12	8	29-0	SHOWN	" " " " " "	
	S13	6	8	25-0	SHOWN	" " " " " "	
	S14	6	8	34-0	SHOWN	" " " " " "	
	S15	8	6	12-0	SHOWN	" " " " " "	C
	S16	92	4	8-9	SHOWN	" " " " " "	B
	S17	8	4	9-3	SHOWN	" " " " " "	B
	S18	8	4	9-9	SHOWN	" " " " " "	B
	S19	8	4	10-3	SHOWN	" " " " " "	B
	S20	24	11	23-6	SHOWN	INTER. " "	
	S21	24	11	29-0	SHOWN	" " " " " "	
	S22	12	11	25-0	SHOWN	" " " " " "	
	S23	12	11	34-0	SHOWN	" " " " " "	
	S24	24	11	12-0	SHOWN	" " " " " "	C
	S25	222	4	7-0	SHOWN	" " " " " "	B
	S26	12	4	7-3	SHOWN	" " " " " "	B
	S27	12	4	7-6	SHOWN	" " " " " "	B
	S28	12	4	7-9	SHOWN	" " " " " "	B
	S29	12	4	8-0	SHOWN	" " " " " "	B
	S30	12	4	8-3	SHOWN	" " " " " "	B
	S31	12	4	8-6	SHOWN	" " " " " "	B
	S32	28	4	16-3	SHOWN	FLOOR - TOP	
	S33	14	4	11-0	SHOWN	" " " " " "	
	S34	24	11	32-0	SHOWN	" " " " " "	
	S35	16	4	26-6	SHOWN	" " " " " "	
	S36	46	4	6-0	SHOWN	" " " " " "	
	S37	24	11	12-0	SHOWN	" " " " " "	
	S38	4	4	32-0	SHOWN	" " " " " "	
	S39	500	5	32-9	5	" - TRANSVERSE	
	S40	80	4	26-9	8	" - BOTTOM	
	S41	24	5	7-3	SHOWN	STRUTS	
	S42	18	5	8-6	SHOWN	" - OVER PIERS	D
	S43	12	5	4-0	SHOWN	" " " " " "	
	S44	60	3	5-6	1-4	STIRRUPS - STRUTS	E
	S45	40	3	8-0	1-4	" " " " OVER PIERS	E
	R1	108	2	2-9	2-0	RAILING	*
	R2	16	4	20-3	SHOWN	" - SPAN 2	
	R3	32	4	17-0	SHOWN	" - SPANS 1 & 3	
	R4	84	2	3-0	SHOWN	STIRRUPS - INTERMEDIATE POSTS	*
	R5	12	2	4-6	SHOWN	" - END	*

MARK	NO.	SIZE	LENGTH	SPACING	LOCATION	DETAIL
A1	22	4	11-6	1-0	BODY - VERTICAL	F
A2	148	4	5-6	1-0	" " " " " "	G
A3	24	4	24-9	1-0	" - HORIZ. - FRONT FACE	
A4	12	4	24-9	SHOWN	" " " " - BACK	
A5	4	4	20-6	SHOWN	BRIDGE SEAT - TIE BARS	
A6	32	4	4-3	1-0	" - VERTICAL	A
A7	26	4	5-6	1-0	" " " " " "	A
A8	70	4	3-6	1-0	" " " " " "	
A9	4	4	9-9	1-0	WINGS	A
A10	6	4	7-6	1-0	" " " " " "	A
A11	4	4	12-6	1-0	" " " " " "	A
A12	6	4	9-9	1-0	" " " " " "	A
A13	6	4	7-3	1-0	" " " " " "	A
A14	8	4	4-3	1-0	" - HORIZ.	
A15	8	4	5-3	1-0	" " " " " "	

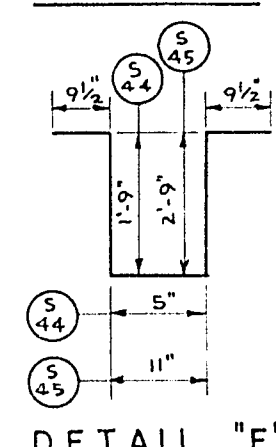
PIERS

(2,970#)

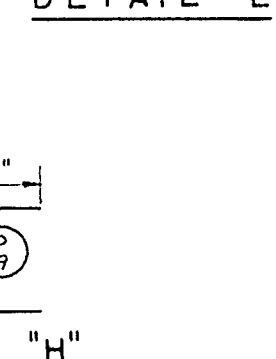
POUR	MARK	NO.	SIZE	LENGTH	SPACING	LOCATION	DETAIL
	P1	74	4	4-9	1-0	FOOTINGS	
	P2	8	4	19-6	SHOWN	" " " " " "	
	P3	98	5	3-0	SHOWN	DOWELS	
	P4	18	4	14-0	1-6	BODY - VERTICAL	
	P5	40	4	14-6	1-6	" " " " " "	
	P6	40	4	15-0	1-6	" " " " " "	
	P7	80	4	17-9	1-6	" - HORIZ.	
	P8	4	4	27-6	1-0	" " " " " "	
	P9	42	4	4-9	1-6	NOSE	H
	P10	68	5	3-0	1-0	DOWELS IN BRIDGE SEAT	



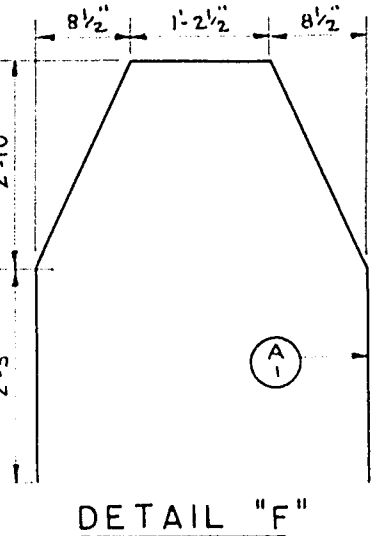
DETAIL "D"



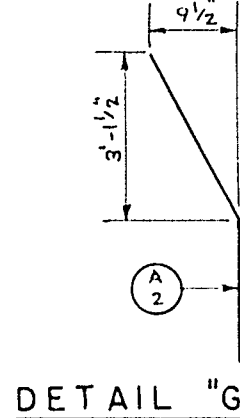
DETAIL "C"



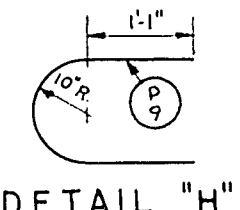
DETAIL "E"



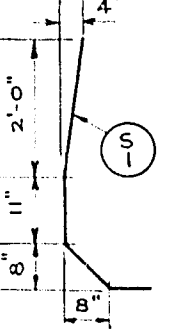
DETAIL "F"



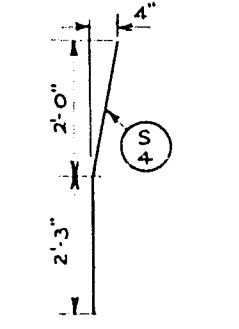
DETAIL "G"



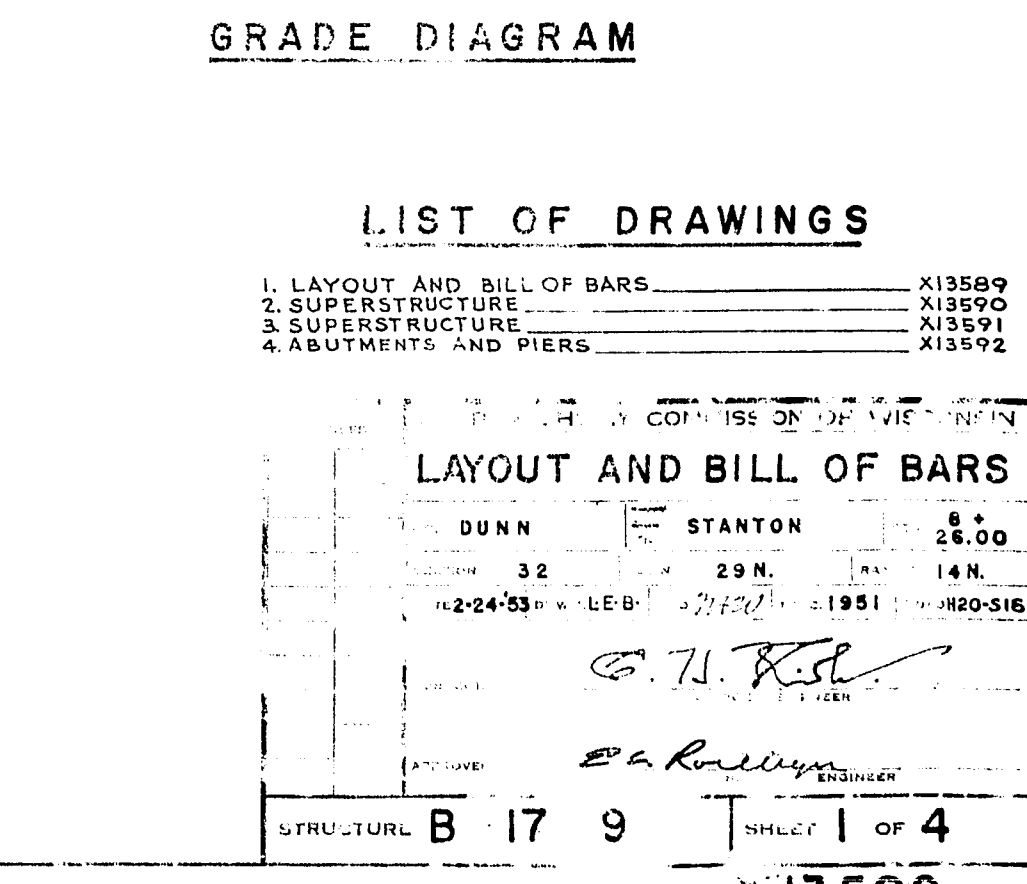
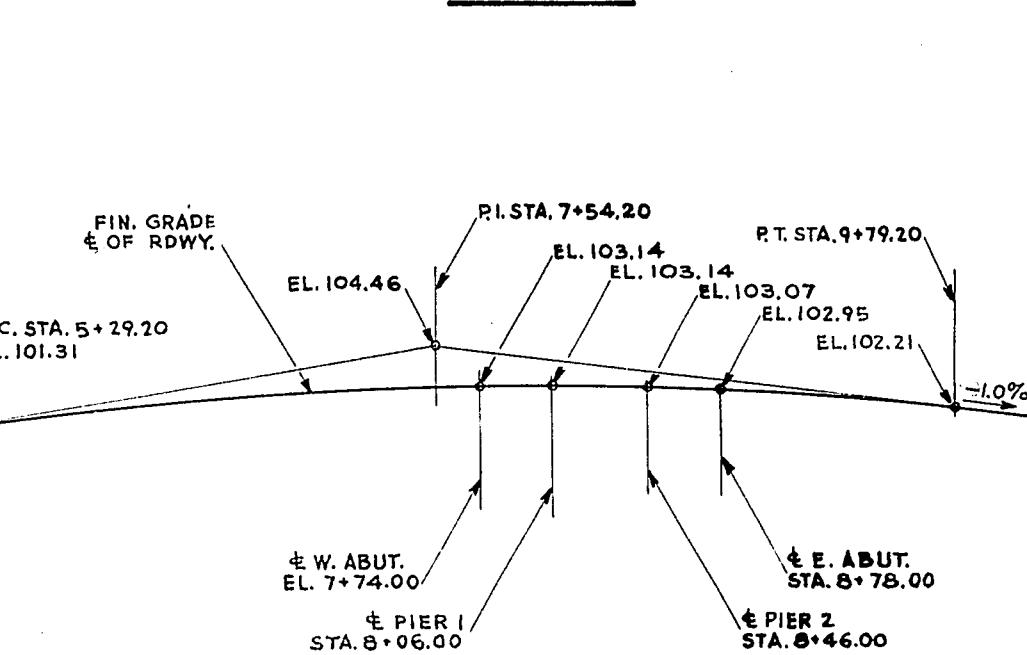
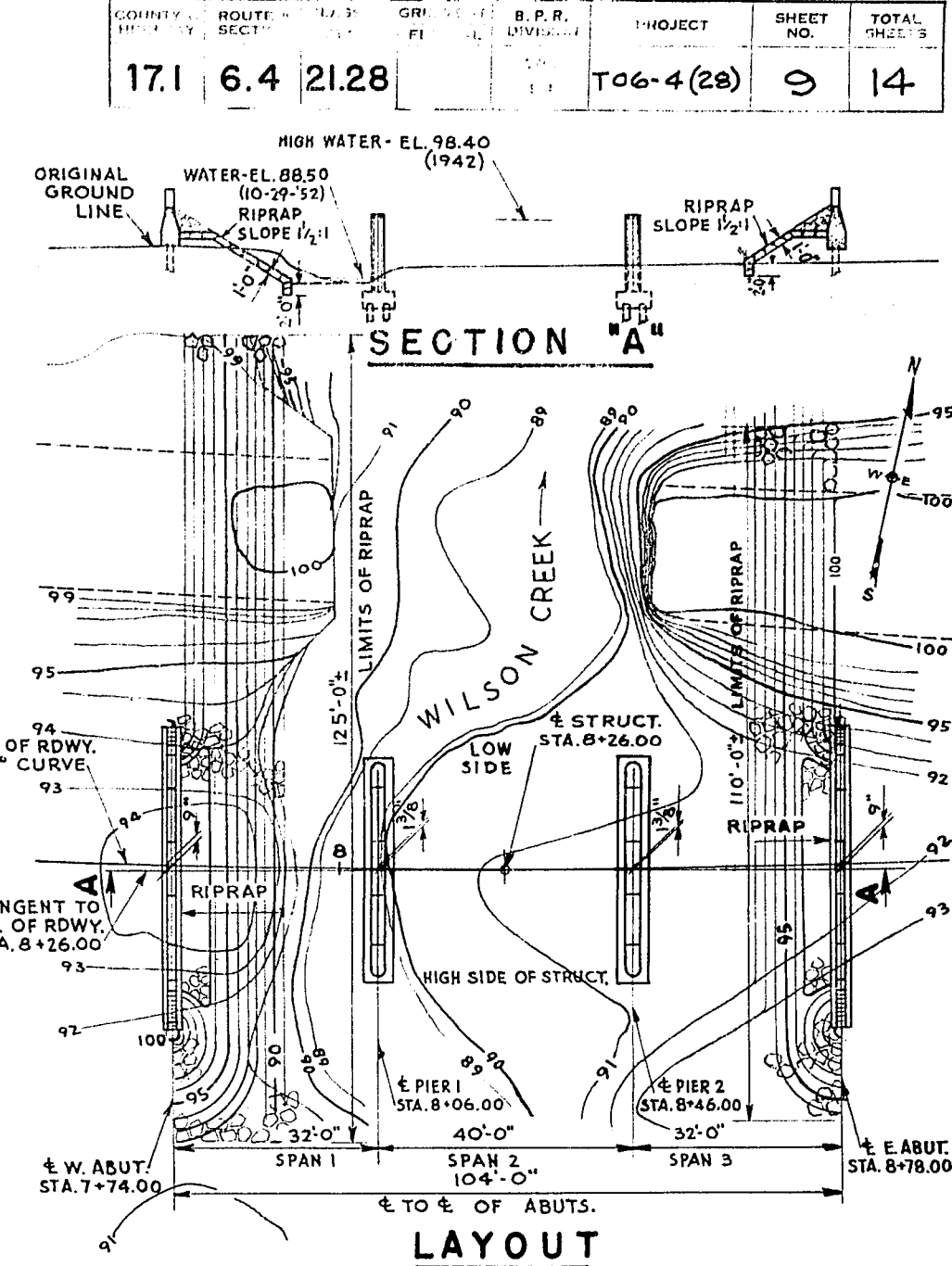
DETAIL "H"



DETAIL "I"



DETAIL "J"



GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
ALL CONCRETE MASONRY SHALL BE GRADE "AA".
BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SPECIFIED.
BAR STEEL REINFORCEMENT SHALL BE IMBEDDED 2" CLEAR, UNLESS OTHERWISE SHOWN OR NOTED.
SPANS 1 AND 3 SHALL BE FORMED TO A CAMBER OF 1". SPAN 2 SHALL BE FORMED TO A CAMBER OF 1/2".
PILES AT ABUTMENTS SHALL BE TREATED TIMBER PILES, 20'-0" LONG, AND DRIVEN TO A MINIMUM BEARING VALUE OF 18 TONS PER PILE. PILES AT PIERS SHALL BE UNTREATED TIMBER PILES, 15'-0" LONG, AND DRIVEN TO A MINIMUM BEARING VALUE OF 18 TONS PER PILE.
THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE RIPRAPPED AS SHOWN IN "SECTION A1" ON X13592 AND TO THE EXTENT SHOWN IN "LAYOUT" ON THIS SHEET.
BAR STEEL REINFORCEMENT IN FLOOR SHALL BE CUT OFF AT FLOOR DRAINS.

TOTAL ESTIMATED QUANTITIES

BID ITEMS	UNIT	SUPER-STRUCTURE	ABUTMENTS	PIERS	TOTAL
EXCAVATION FOR STRUCTURES	C.Y.	—	25	195	220
CONCRETE MASONRY	C.Y.	164.8	56.2	113.2	334.2
BAR STEEL REINFORCEMENT	L.B.	45,880	1,920	2,970	50,770
UNTREATED TIMBER PILING (4@25'-0")	LUMP SUM	—	—	—	1
TREATED TIMBER PILING - DELIVERED	L.F.	—	400	—	400
TREATED TIMBER PILING - DRIVEN	L.F.	—	400	—	400
UNTREATED TIMBER PILING - DELIVERED	L.F.	—	—	570	570
UNTREATED TIMBER PILING - DRIVEN	L.F.	—	—	570	570
FLOOR DRAINS	EACH	4	—	—	4
RIPRAP	C.Y.	—	165	—	165
NON-BID ITEMS					
EXPANSION JOINT FILLER	SIZE	1/2"	—	—	1/2
PARAFFIN IMPREGNATED TRANSITE	S.F.	—	—	84	84

LIST OF DRAWINGS

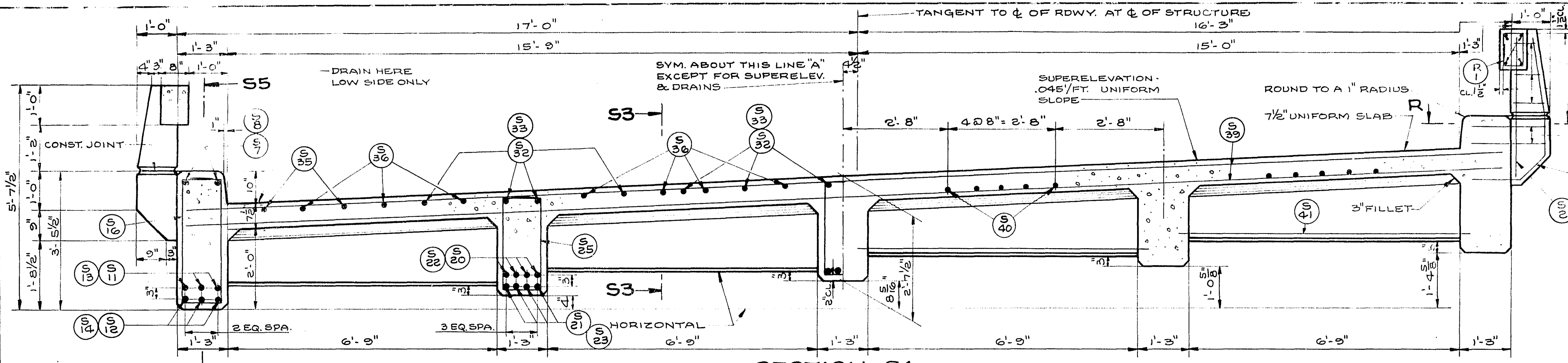
1. LAYOUT AND BILL OF BARS	X13589
2. SUPERSTRUCTURE	X13590
3. SUPERSTRUCTURE	X13591
4. ABUTMENTS AND PIERS	X13592

LAYOUT AND BILL OF BARS

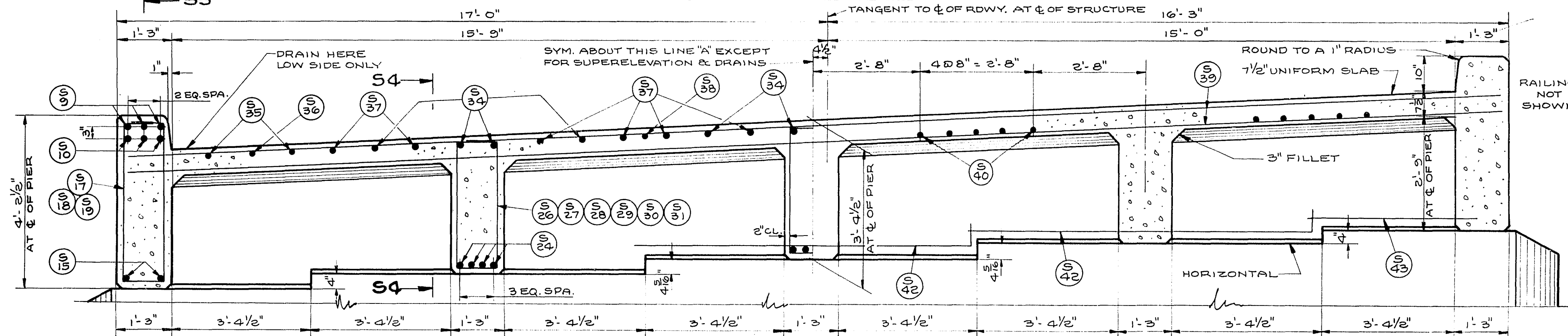
DUNN	STANTON	8
32	29 N.	14 N.
12-24-53	W. L. E. B.	1951

E. H. K. R.

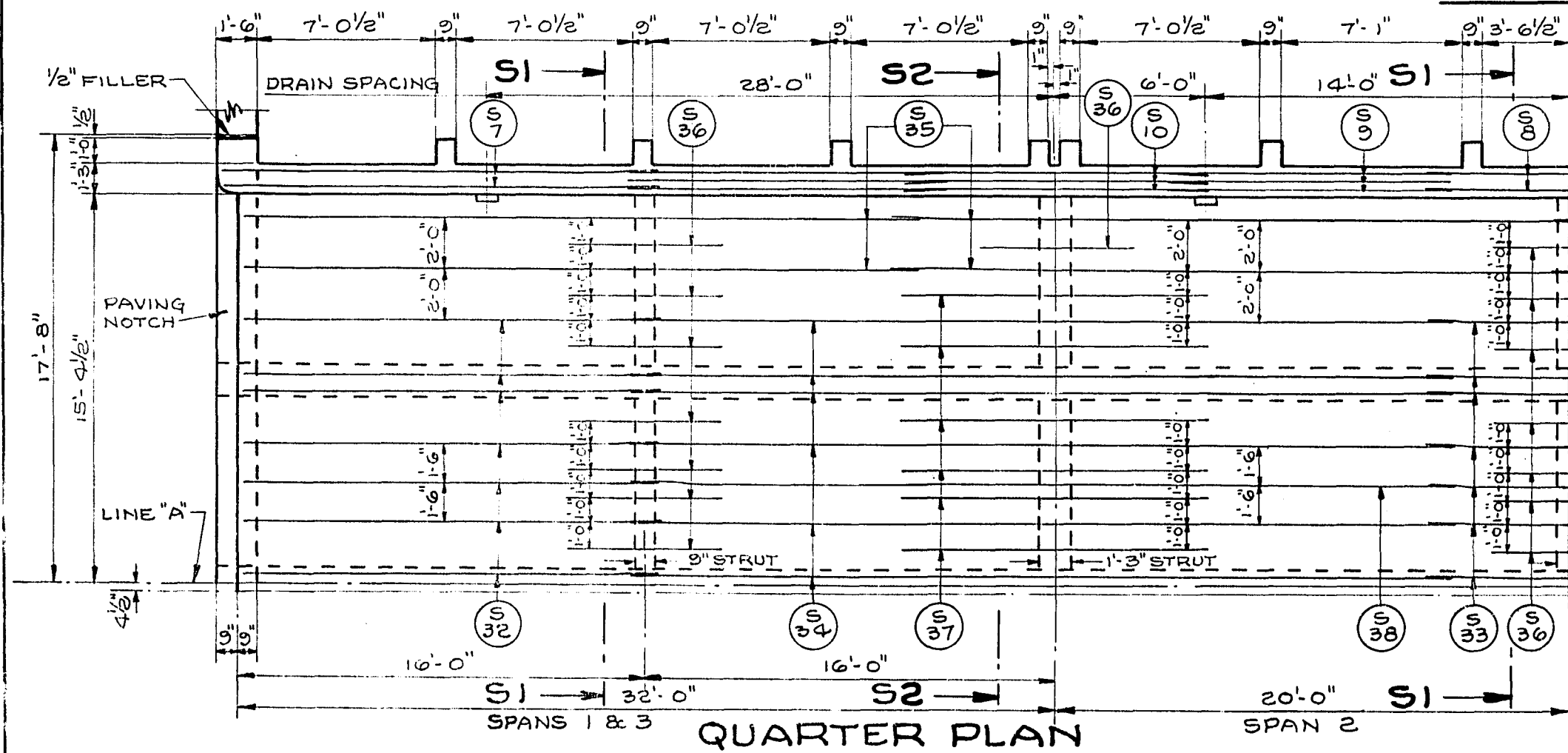
E. H. K. R.



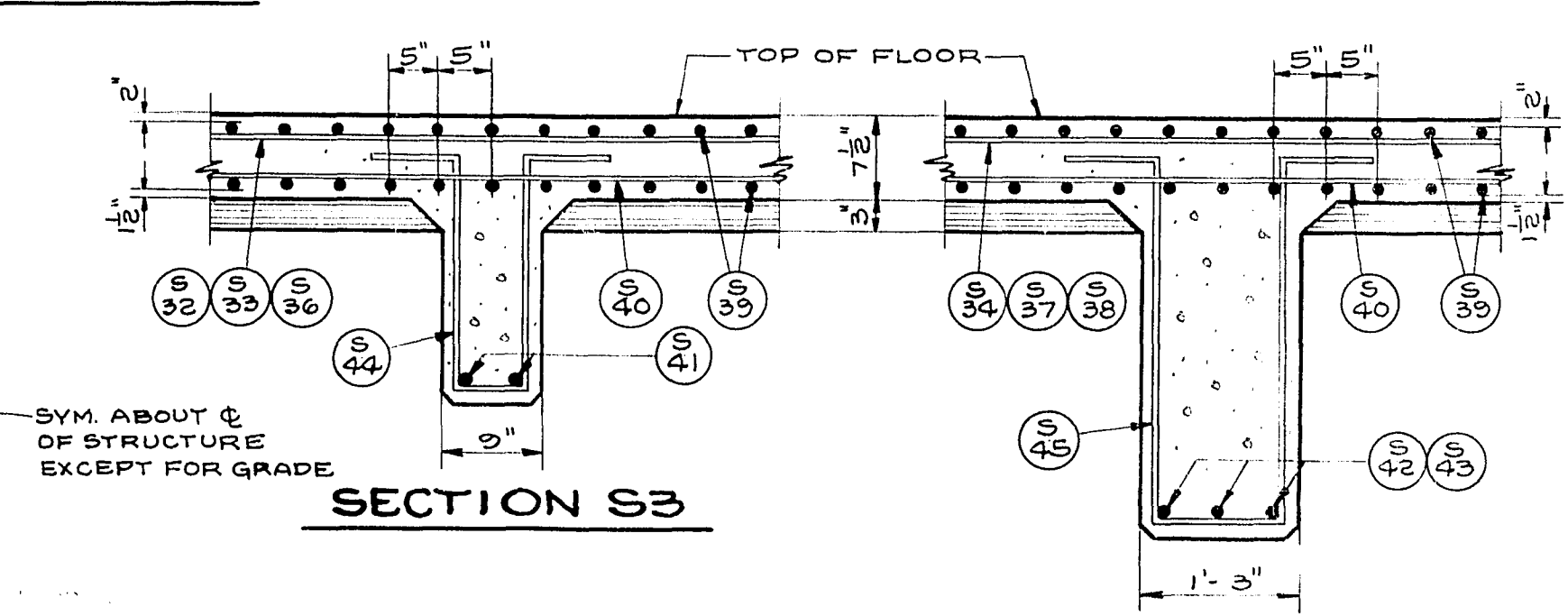
SECTION S1



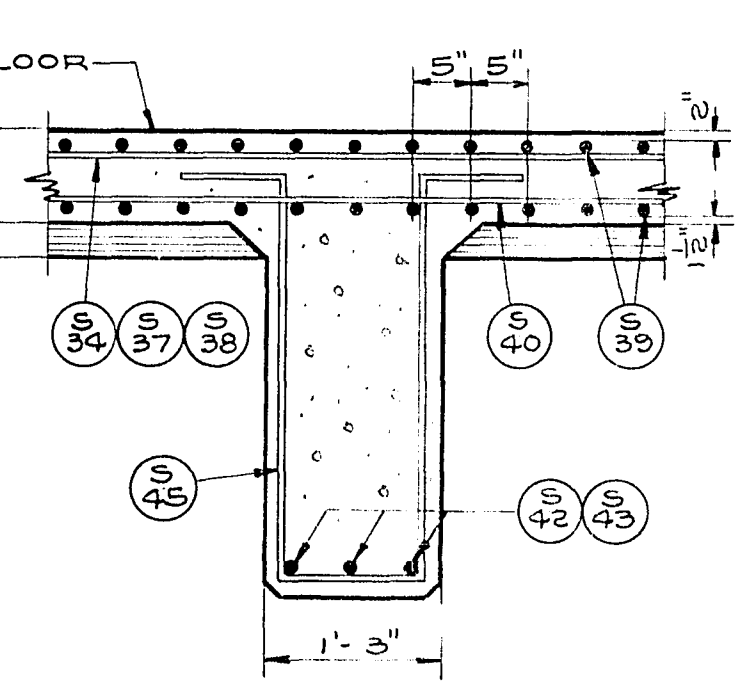
SECTION S2



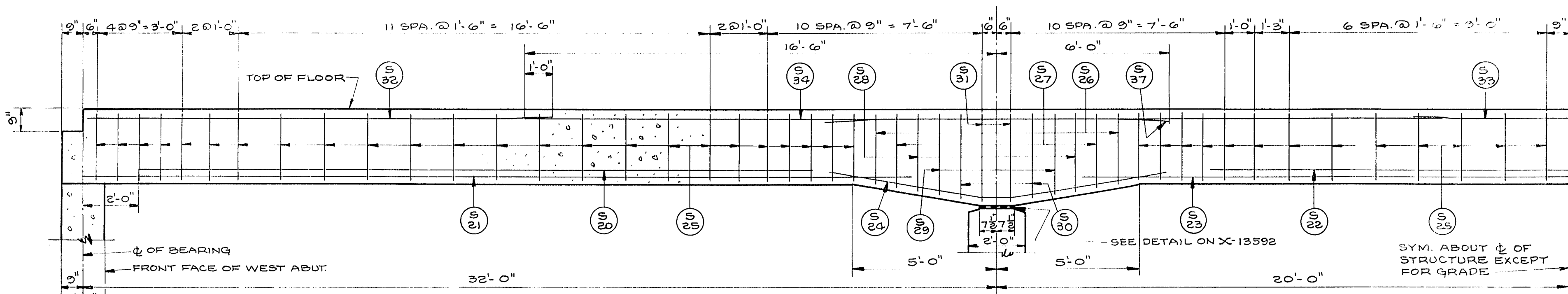
QUARTER PLAN



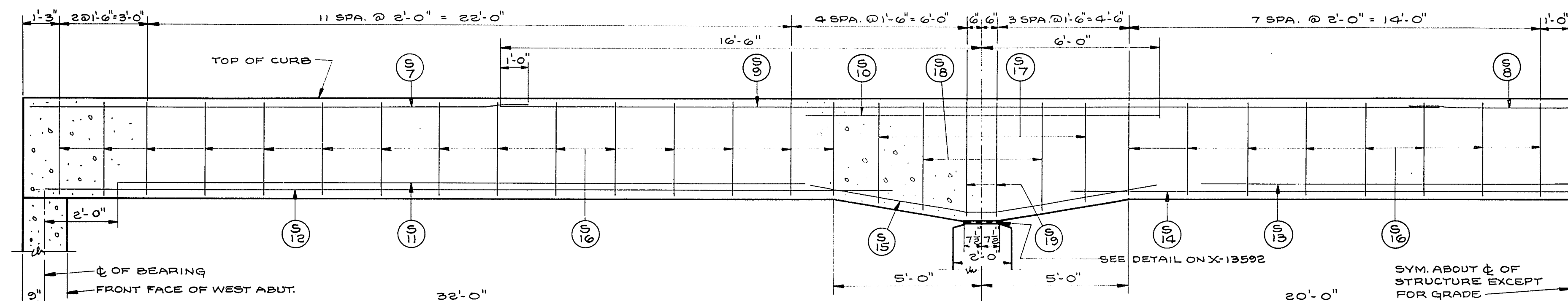
SECTION S3



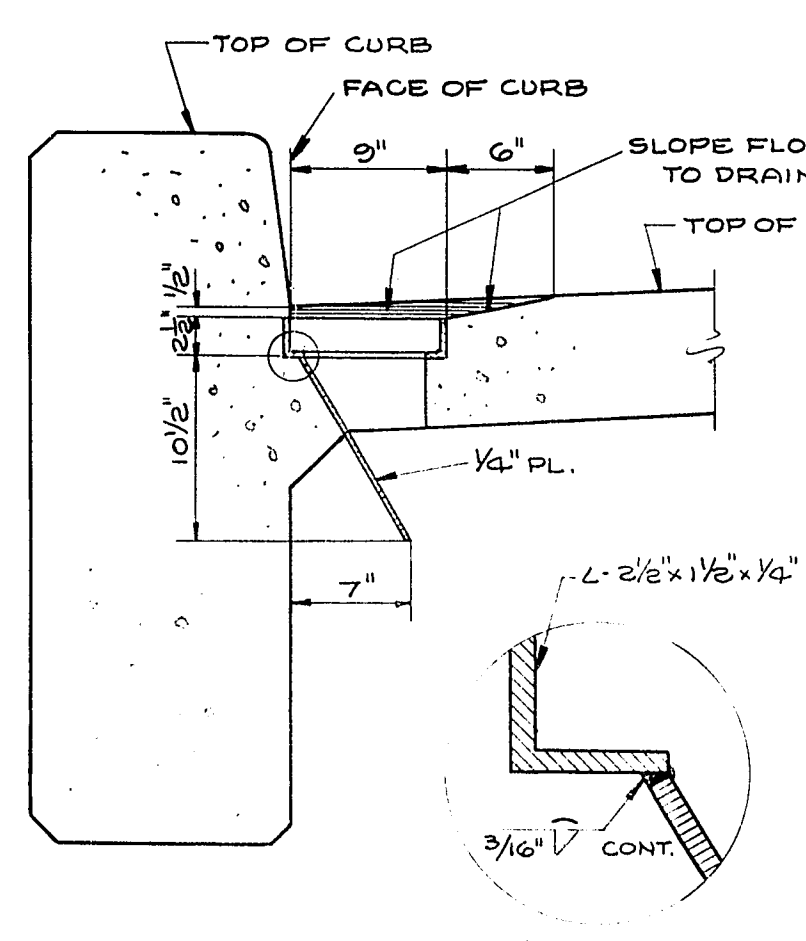
SECTION S4



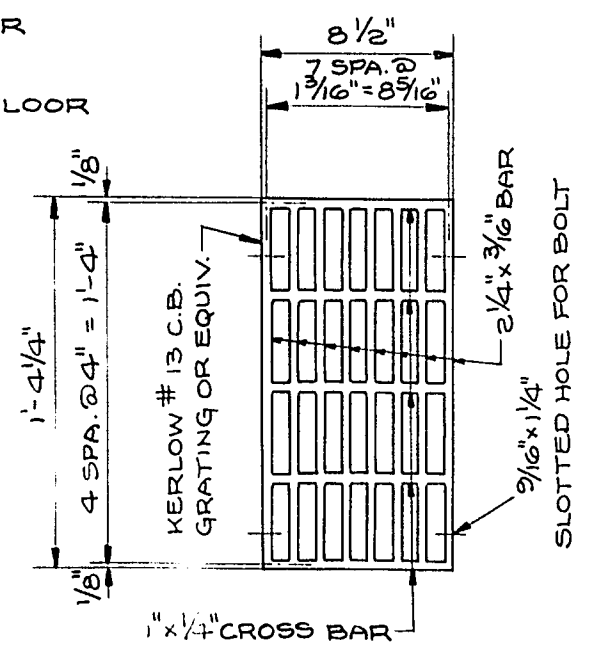
HALF SECTION THRU INTERIOR GIRDER



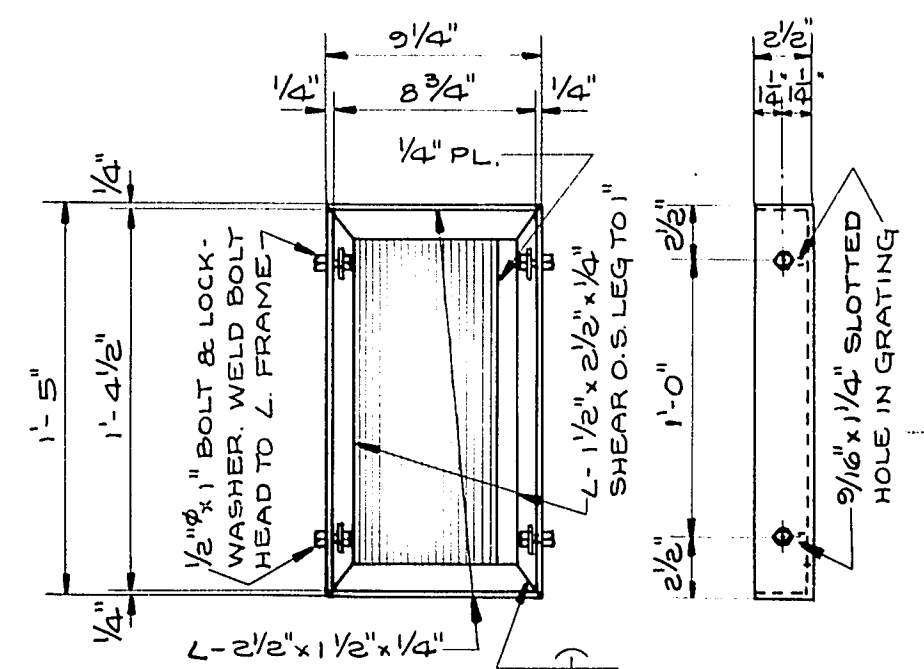
HALF SECTION THRU EXTERIOR GIRDER



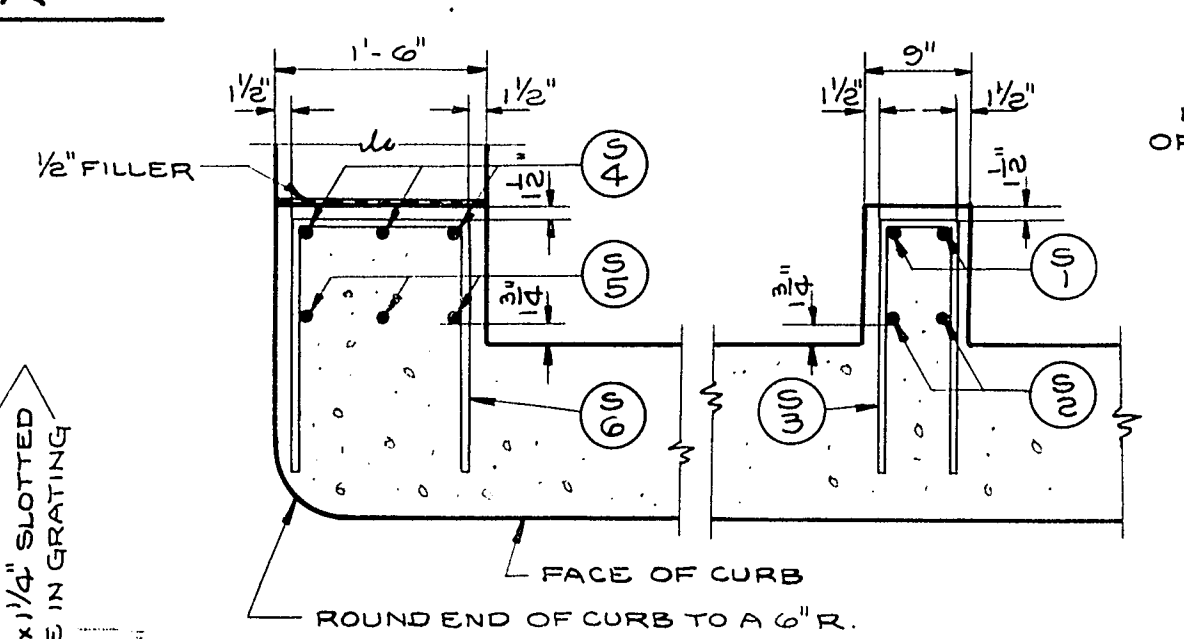
SECTION THRU DRAIN



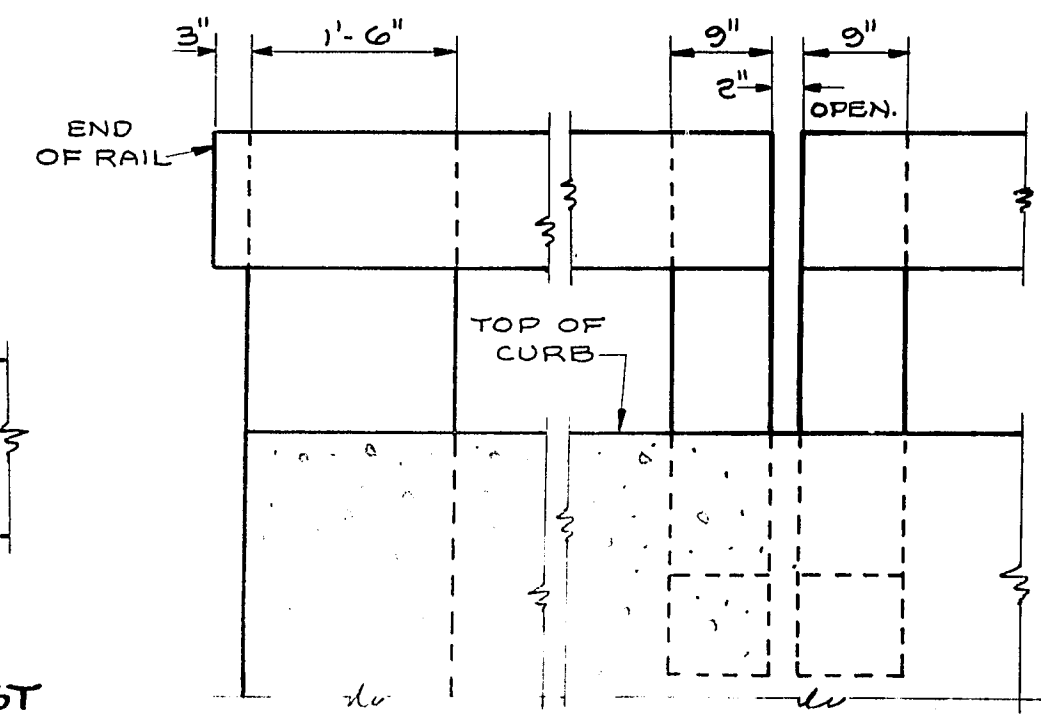
GRATE



FRAME



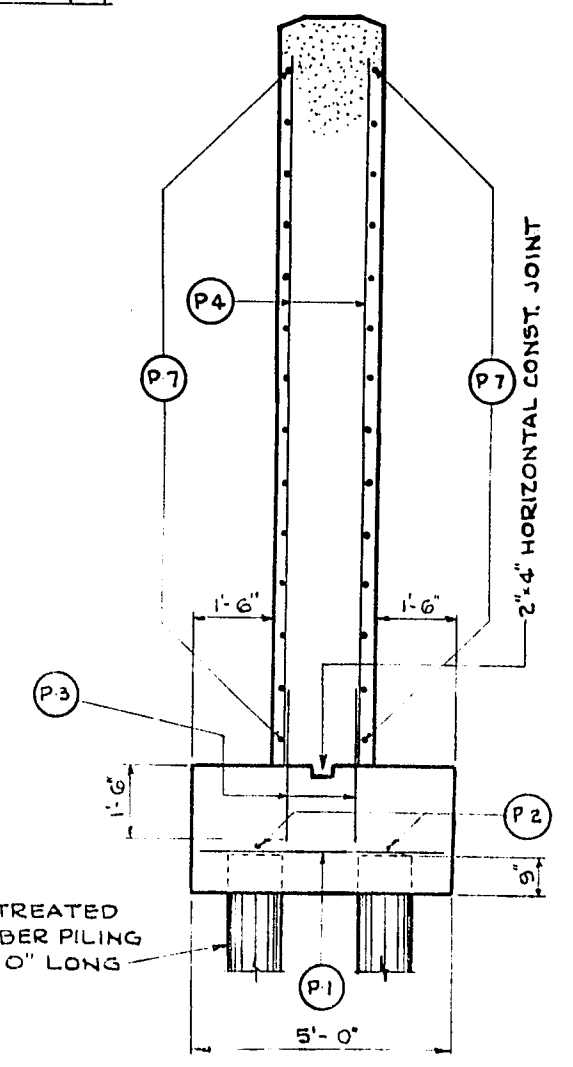
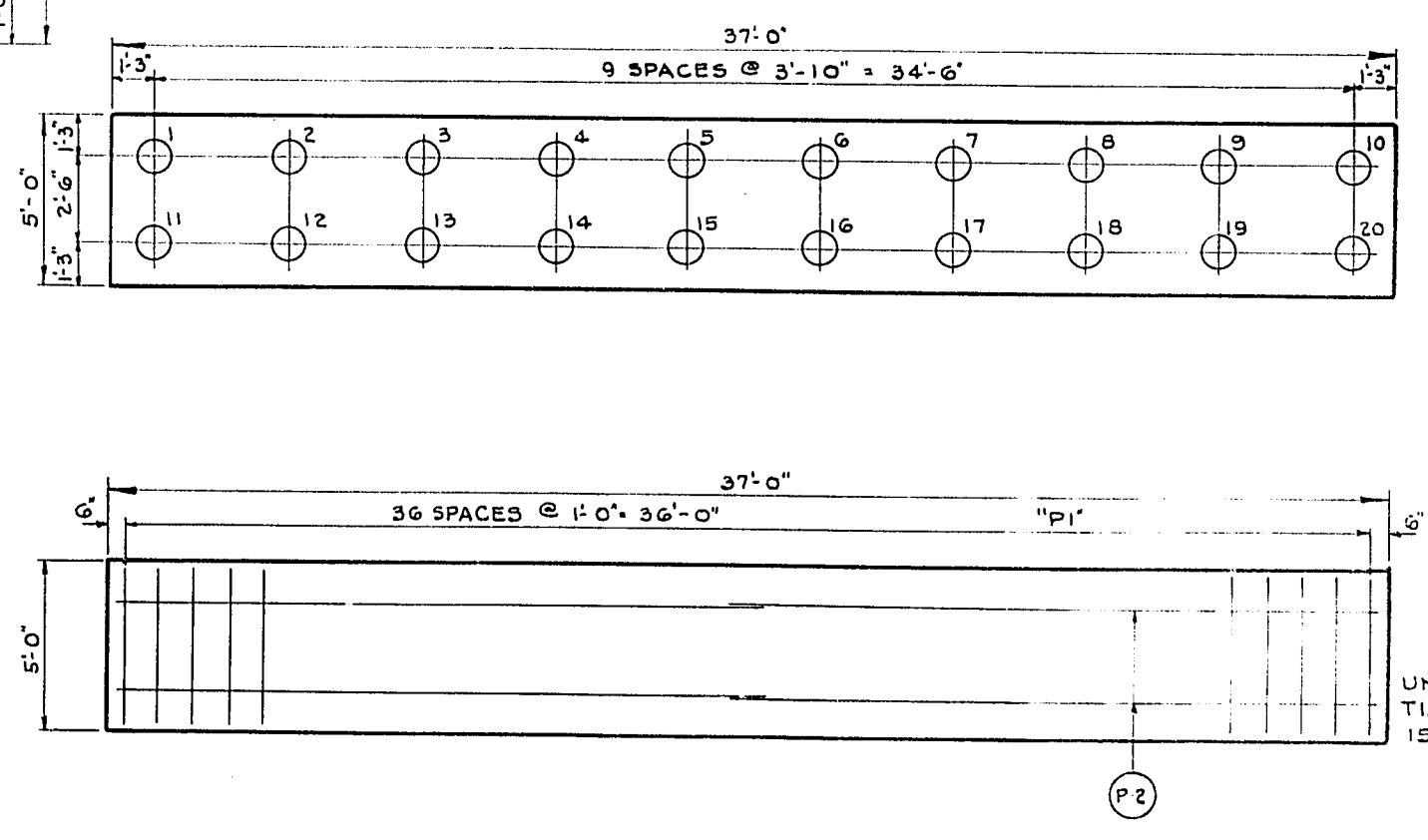
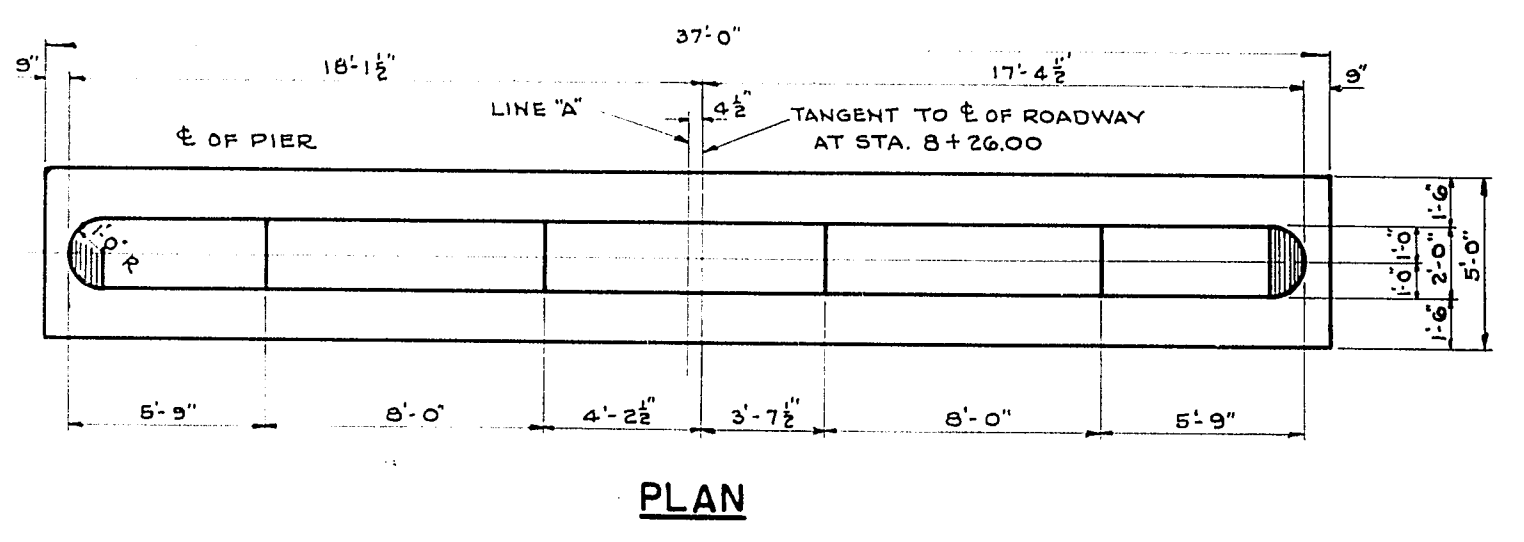
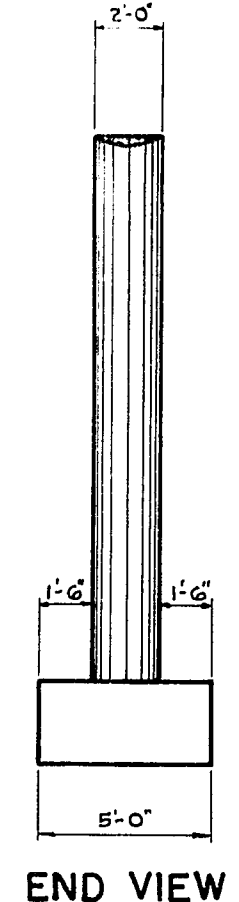
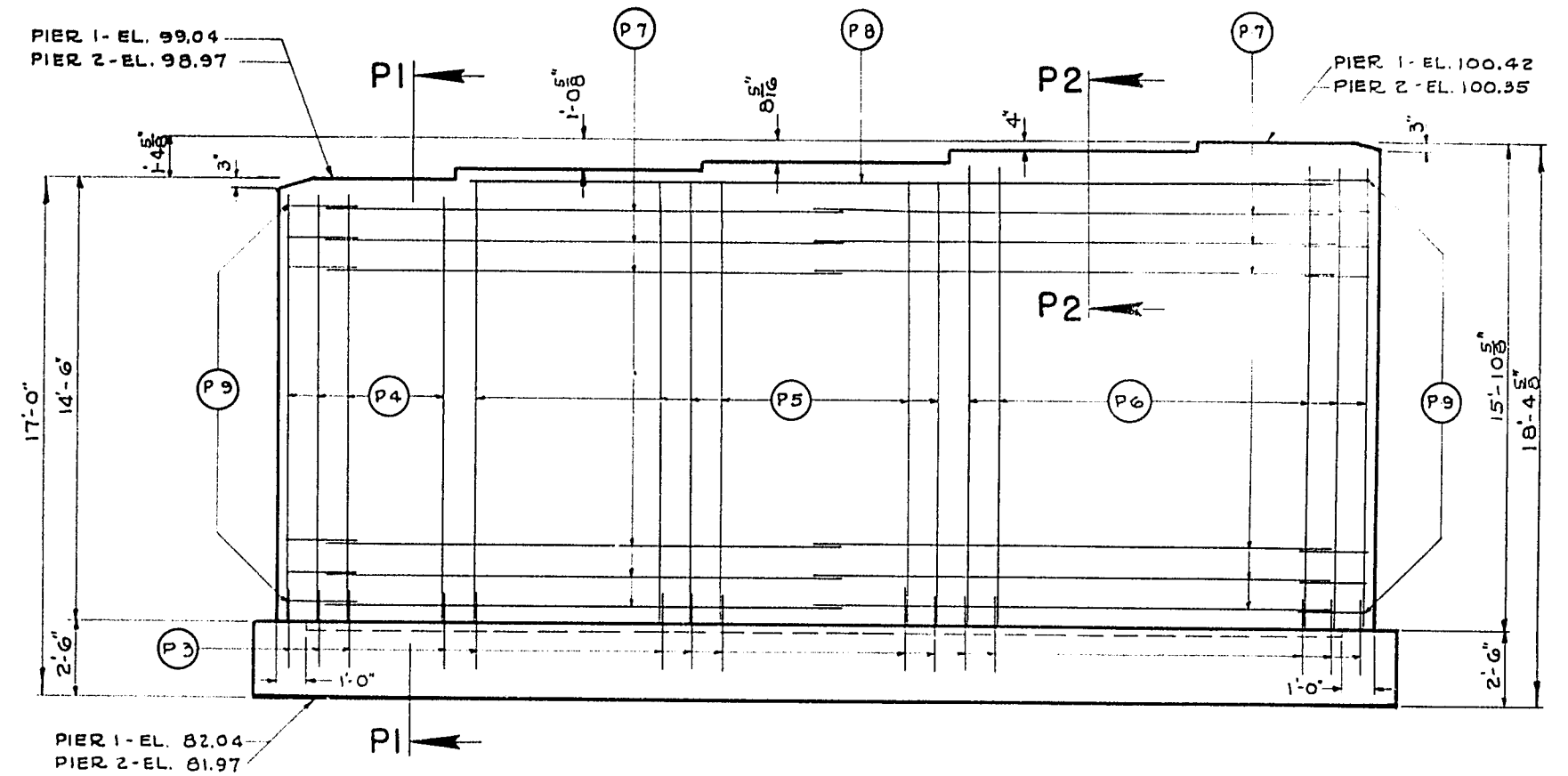
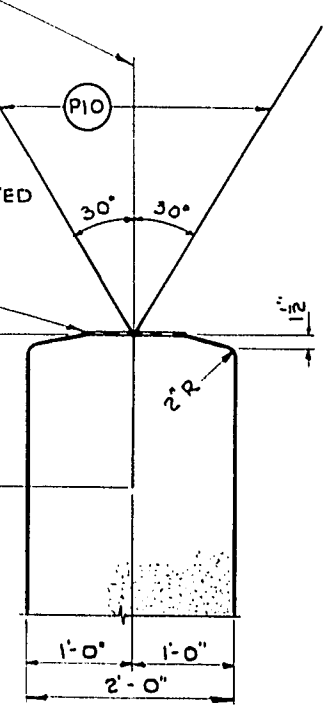
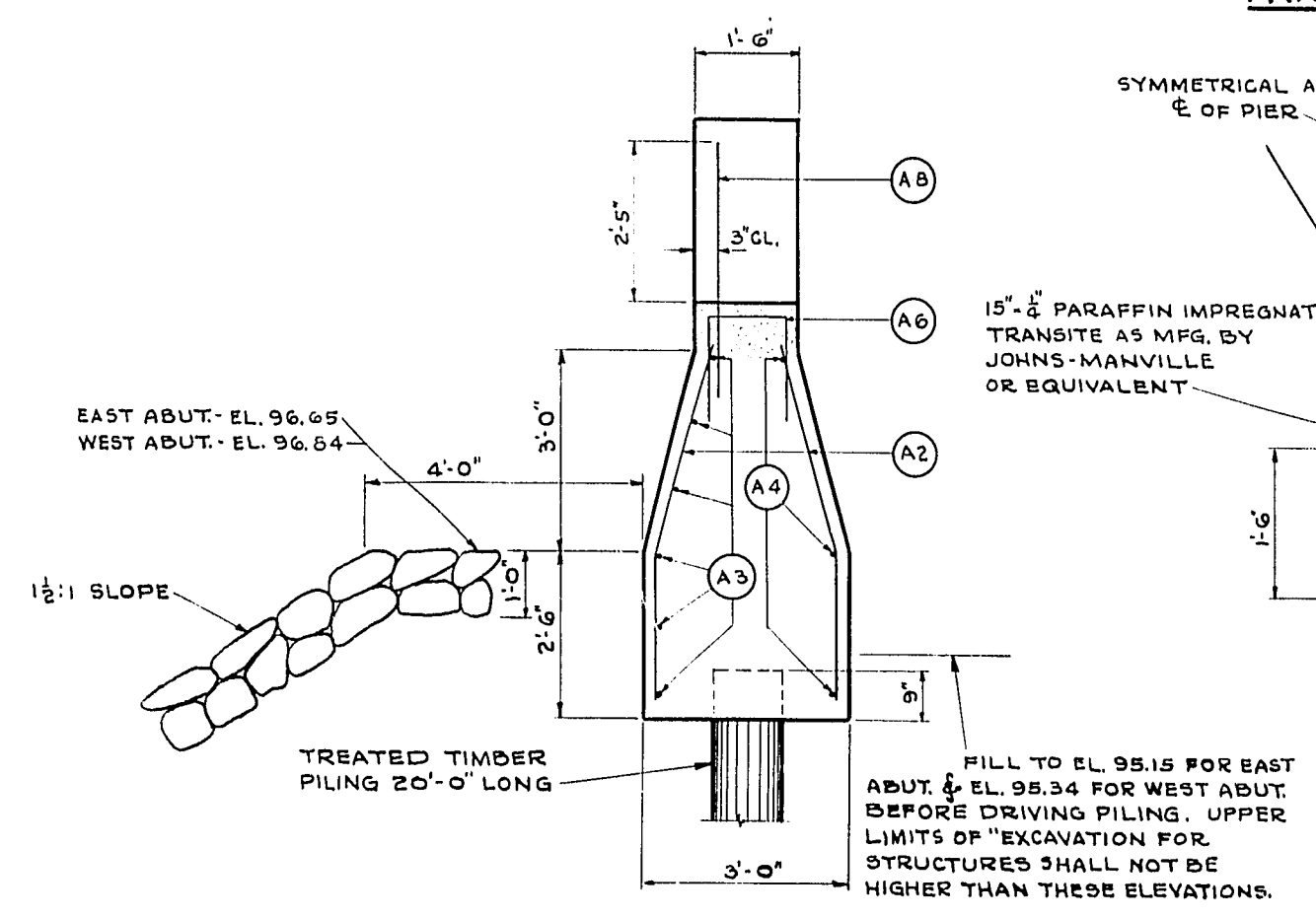
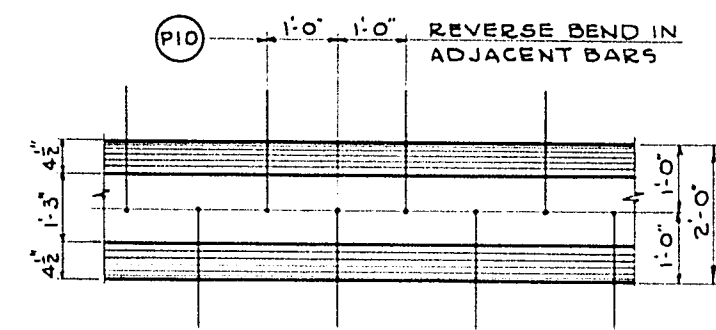
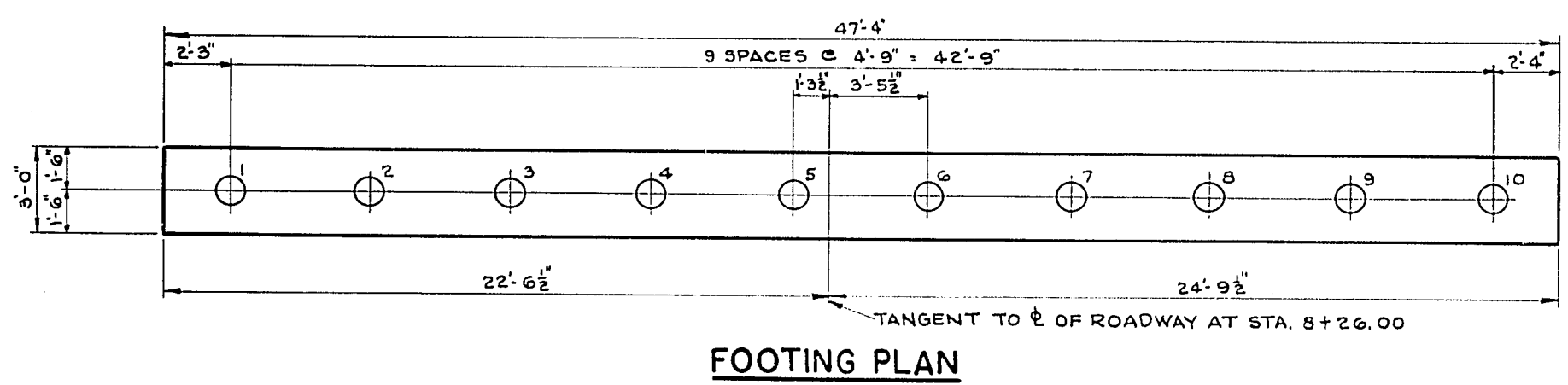
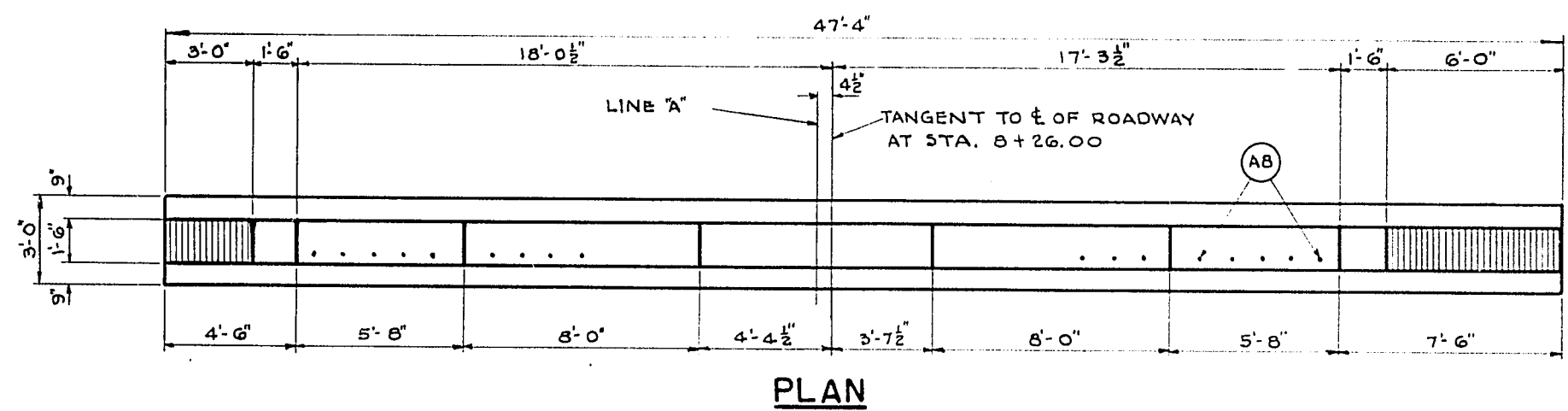
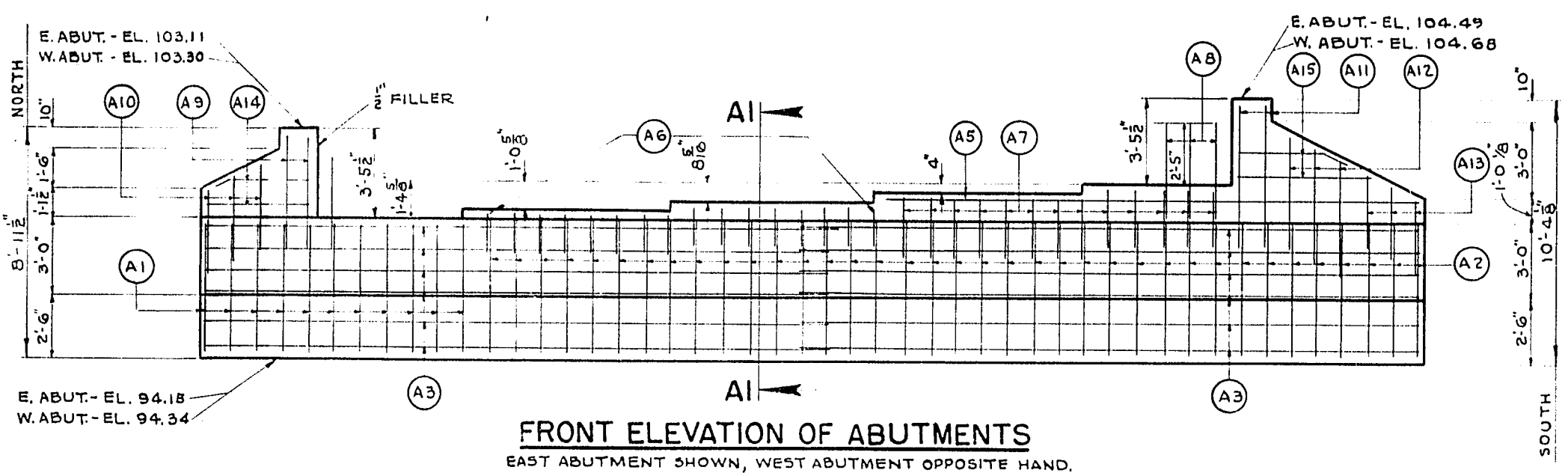
SECTION R



SECTION S5

DRAIN DETAILS

4 REQ'D.



NOTE:
"P10" BARS ARE BENT AS SHOWN
AFTER TRANSITE IS PLACED.