

FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO		1931

1  
11

S.H. (I.C.H.) 119 SEC. Q BR.  
SCIOTO COUNTY

STATE OF OHIO  
DEPARTMENT OF HIGHWAYS  
BRIDGE OVER TURKEY CREEK

BR. NO. 5C-125-63

S.H. 119 SECTION Q BR.  
SCIOTO COUNTY NILE TOWNSHIP

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF HIGHWAYS, IN FORCE ON DATE OF CONTRACT, TOGETHER WITH THE SUPPLEMENTAL SPECIFICATIONS FOR WINTER BRIDGE CONSTRUCTION FOR EMERGENCY RELIEF WILL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THESE IMPROVEMENTS WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND RIGHT OF WAY WILL BE PROVIDED.

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APPROVED Joseph W. Doyle  
DATE 11-27-31 RESIDENT DISTRICT DEPUTY DIRECTOR

APPROVED W. Anderson  
DATE 11-12-31 RESIDENT DIVISION DEPUTY DIRECTOR

APPROVED Edna Hilte  
DATE 11-26-31 CHIEF ENGINEER BUREAU OF CONSTRUCTION

APPROVED \_\_\_\_\_  
DATE \_\_\_\_\_ CHIEF ENGINEER BUREAU OF MAINTENANCE

APPROVED J. Burkey  
DATE 11-18-31 CHIEF ENGINEER BUREAU OF BRIDGES

APPROVED H.P. Chapman  
DATE 11-20-31 CHIEF ENGINEER & FIRST ASS'T. DIRECTOR

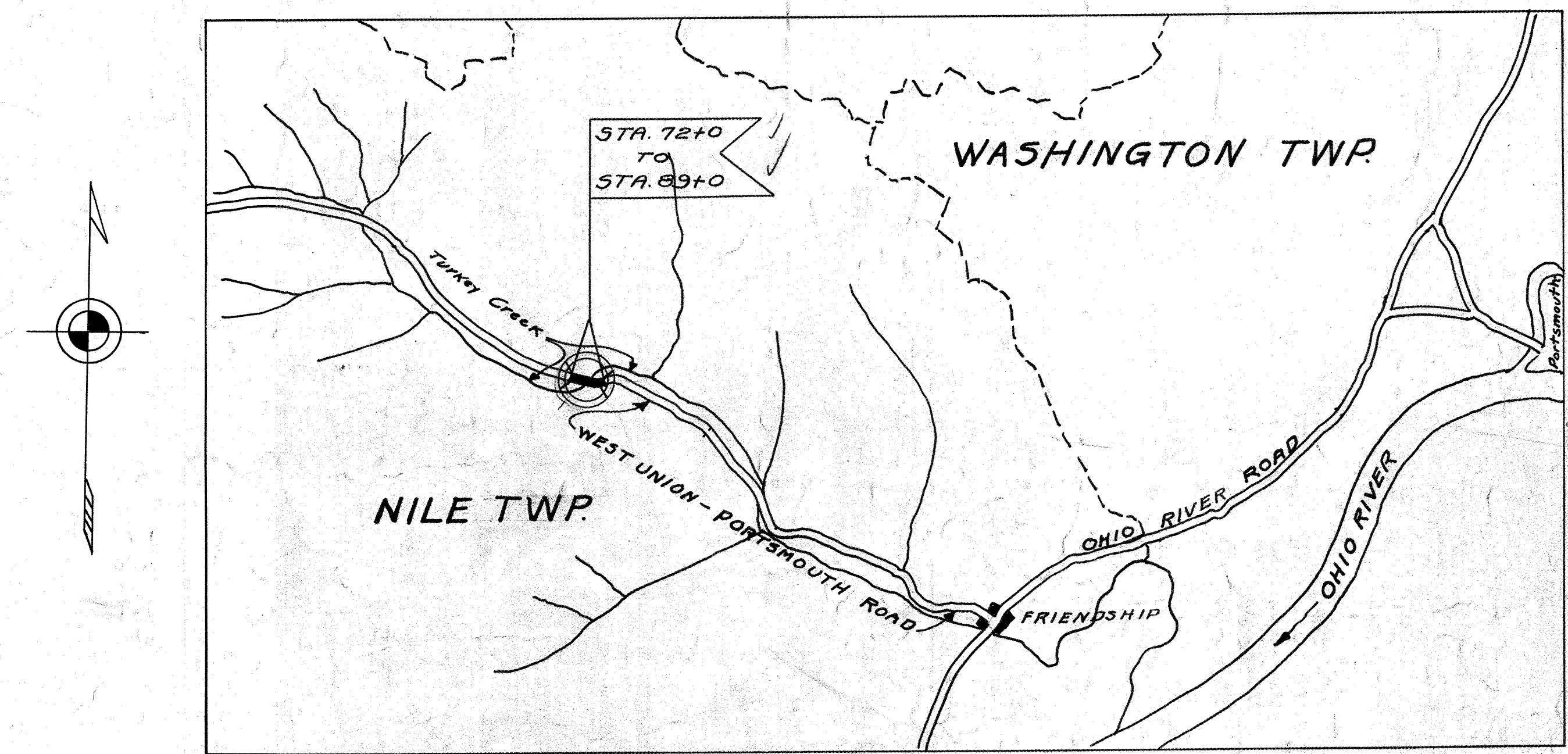
APPROVED O.W. Merrill  
DATE 11-20-31 DIRECTOR OF HIGHWAYS

RECOMMENDED FOR APPROVAL \_\_\_\_\_  
DATE \_\_\_\_\_ DISTRICT ENGINEER BUREAU OF PUBLIC ROAD

RECOMMENDED FOR APPROVAL \_\_\_\_\_  
DATE \_\_\_\_\_ CHIEF ENGINEER BUREAU OF PUBLIC ROADS

RECOMMENDED FOR APPROVAL \_\_\_\_\_  
DATE \_\_\_\_\_ CHIEF OF BUREAU.

CONSTRUCTION  
BUREAU  
SEP 10 1931  
GROUND PHOTOLAB



DELIVERY POINT - PORTSMOUTH, OHIO 11 MILES.

LOCATION PLAN  
SCALE OF MILES 0 1 2

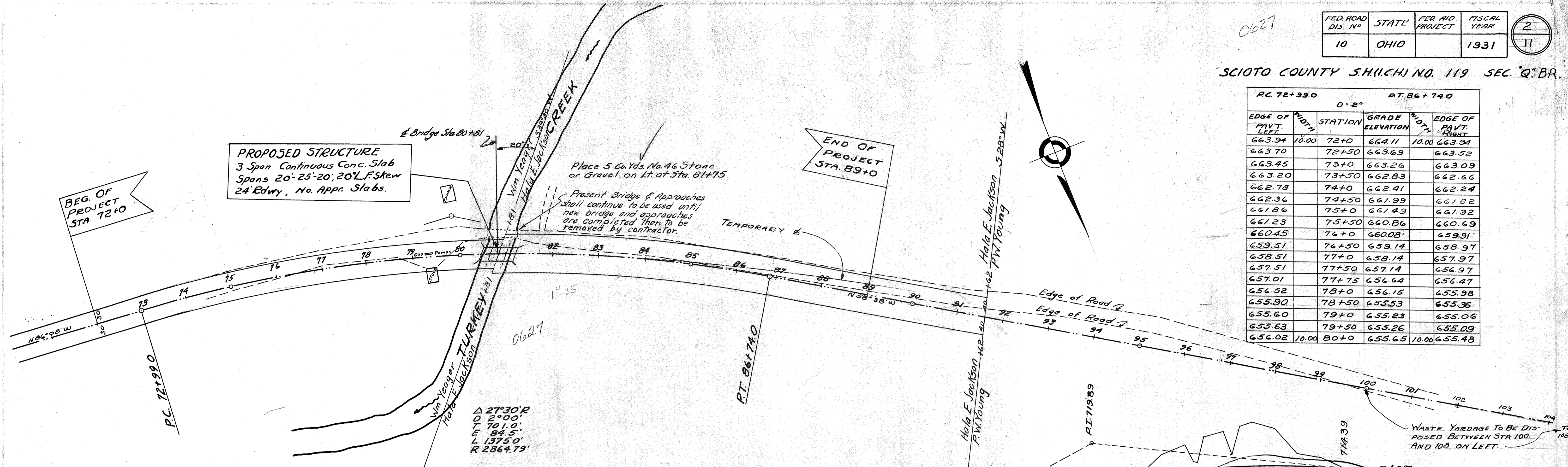
PORTION TO BE IMPROVED \_\_\_\_\_  
IMPROVED ROADS \_\_\_\_\_

SCALES  
PLAN 1"=100'  
PROFILE (VERT.) 1"=10'  
PROFILE (HORIZ.) 1"=100'  
CROSS SECTIONS 1"=5'

SUPPLEMENTAL PRINTS OF STRUCTURAL STANDARDS  
DRAWINGS NO. RR-B, SB 31.

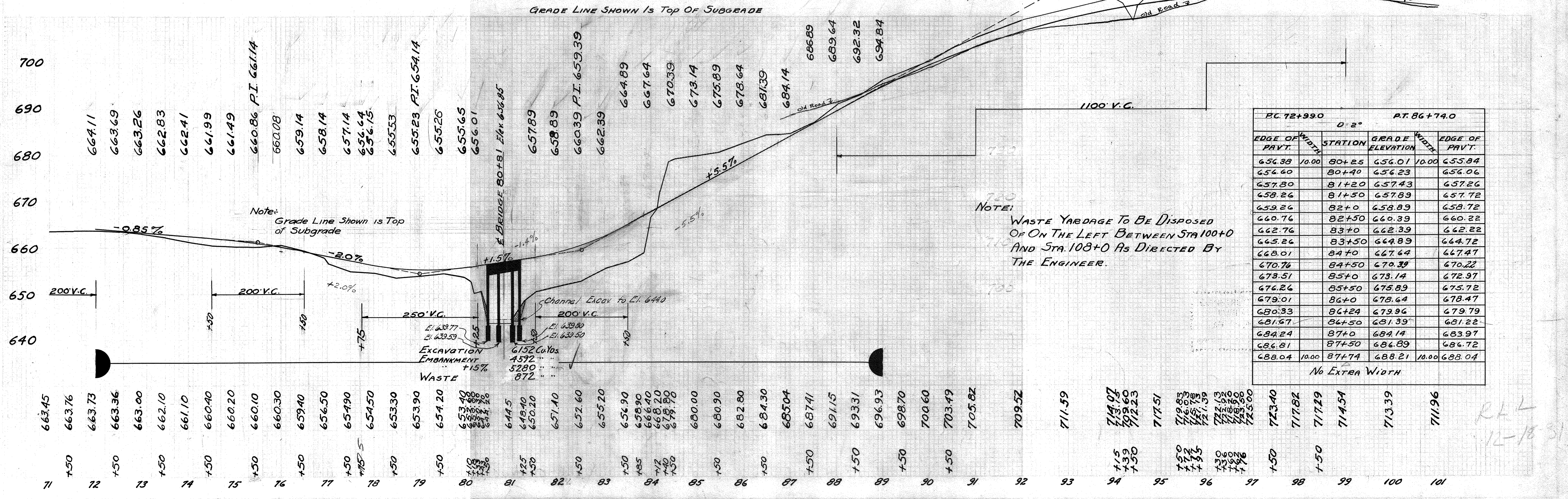
150

SCIOTO COUNTY S.H.(I.C.H.) NO. 119 SEC. "Q" BR.



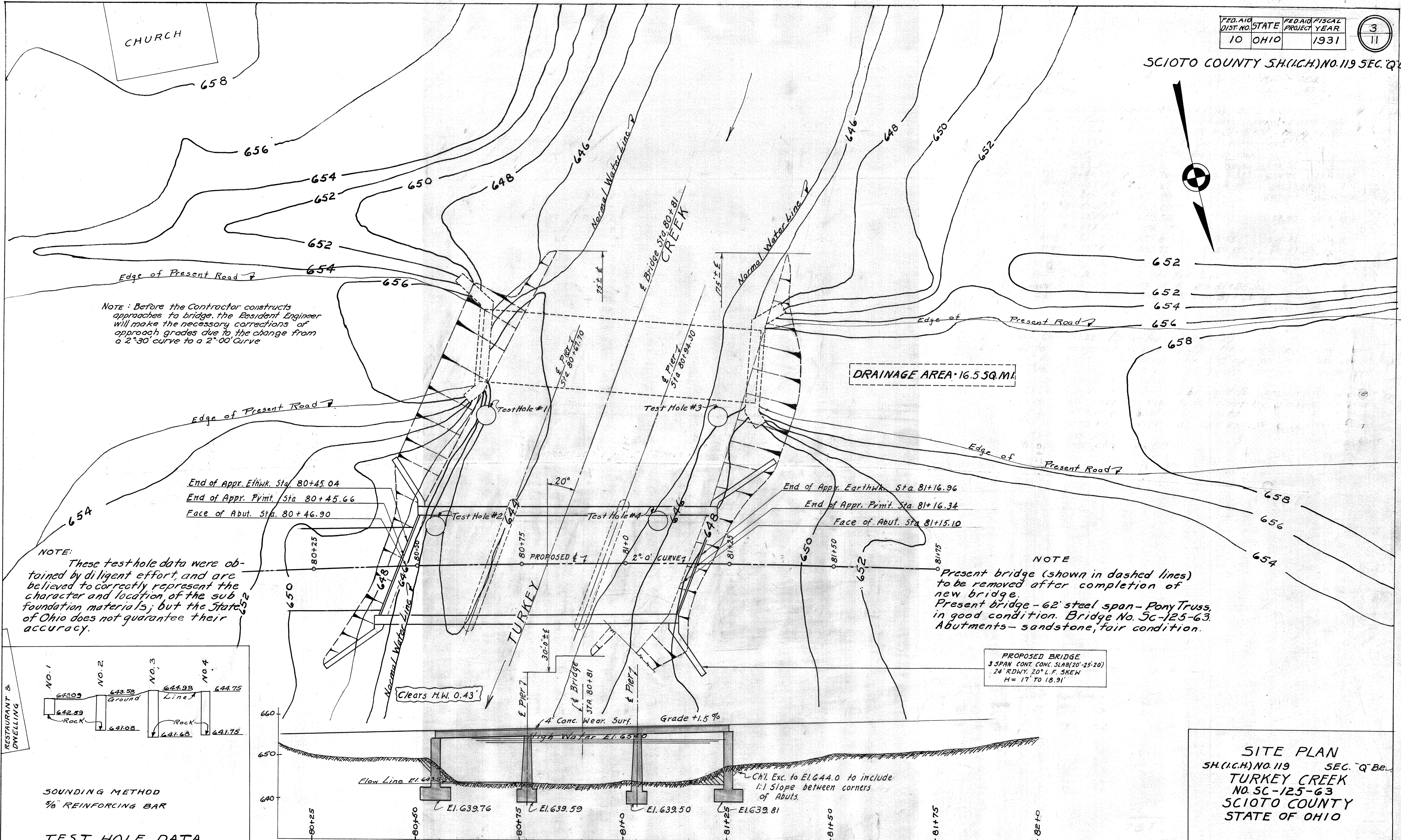
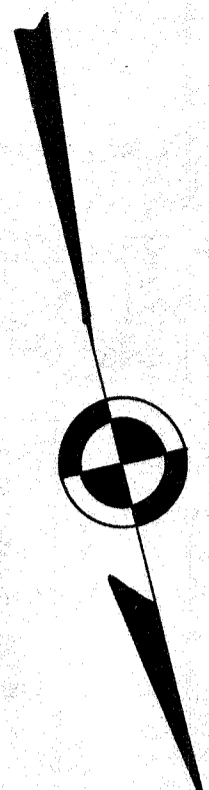
**PROPOSED STRUCTURE**  
 3 Span Continuous Conc. Slab  
 Spans 20'-23'-20'-20' L.F. skew  
 24' Wid. , No. Appr. Slabs.

PC 72+99.0		D=2°		PT. 86+74.0	
EDGE OF PAVT. LEFT	WIDTH	STATION	GRADE ELEVATION	WIDTH	EDGE OF PAVT. RIGHT
663.94	10.00	72+0	664.11	10.00	663.94
663.70		72+50	663.69		663.52
663.45		73+0	663.26		663.09
663.20		73+50	662.83		662.66
662.78		74+0	662.41		662.24
662.36		74+50	661.99		661.82
661.86		75+0	661.49		661.32
661.23		75+50	660.86		660.69
660.45		76+0	660.08		659.91
659.51		76+50	659.14		658.97
658.51		77+0	658.14		657.97
657.51		77+50	657.14		656.97
657.01		77+75	656.64		656.47
656.52		78+0	656.15		655.98
655.90		78+50	655.53		655.36
655.60		79+0	655.23		655.06
655.63		79+50	655.26		655.09
656.02	10.00	80+0	655.65	10.00	655.48



PC 72+99.0		D=2°		PT. 86+74.0	
EDGE OF PAVT. LEFT	WIDTH	STATION	GRADE ELEVATION	WIDTH	EDGE OF PAVT. RIGHT
656.38	10.00	80+25	656.01	10.00	655.84
656.60		80+40	656.23		656.06
657.80		81+20	657.43		657.26
658.26		81+50	657.89		657.72
659.26		82+0	658.89		658.72
660.76		82+50	660.39		660.22
662.76		83+0	662.39		662.22
665.26		83+50	664.89		664.72
668.01		84+0	667.64		667.47
670.76		84+50	670.39		670.22
673.51		85+0	673.14		672.97
676.26		85+50	675.89		675.72
679.01		86+0	678.64		678.47
680.33		86+24	679.96		679.79
681.67		86+50	681.39		681.22
684.24		87+0	684.14		683.97
686.81		87+50	686.89		686.72
688.04	10.00	87+74	688.21	10.00	688.04

RK2  
12-18-31

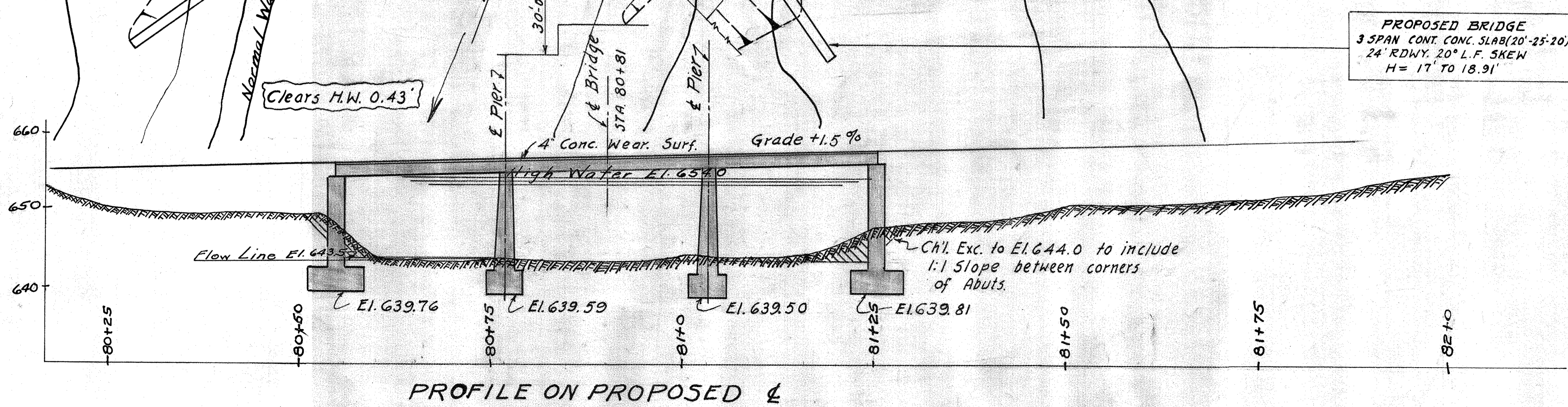


RESTAURANT & DWELLING

NO.	Ground	Line 1	Line 2
NO. 1	643.09	644.93	644.75
NO. 2	642.59	641.08	641.75
NO. 3	642.59	641.68	641.75
NO. 4	642.59	641.75	641.75

50' REINFORCING BAR

**TEST HOLE DATA**

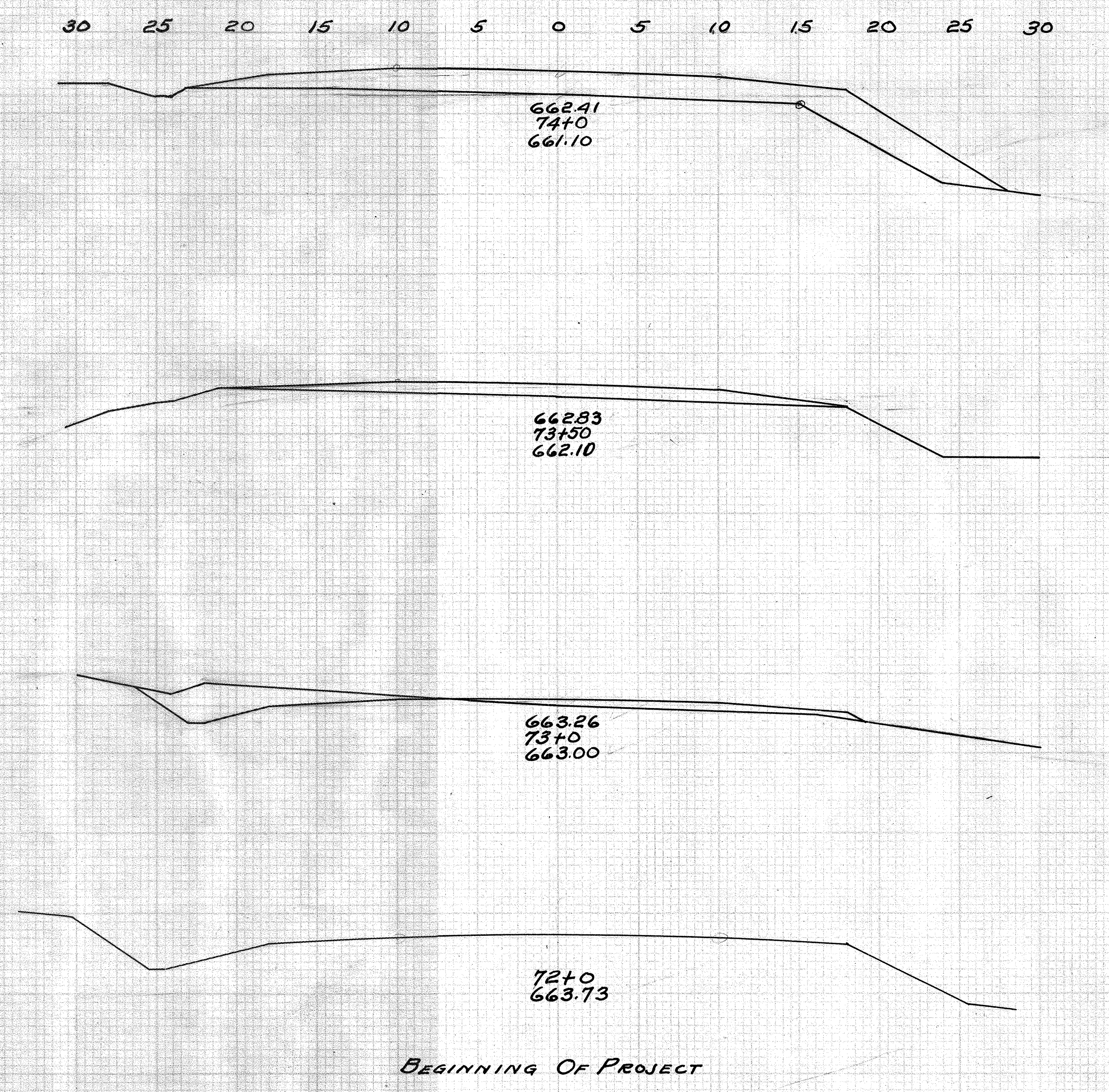
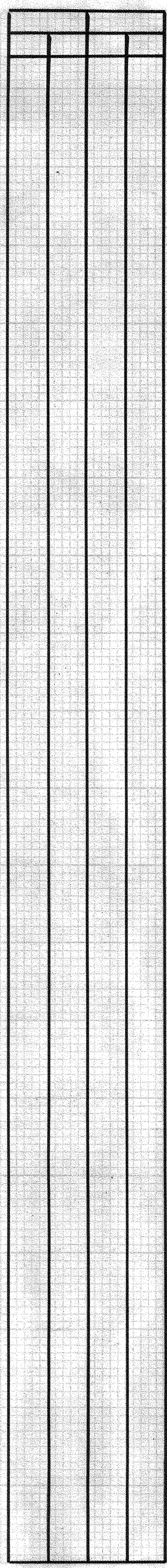
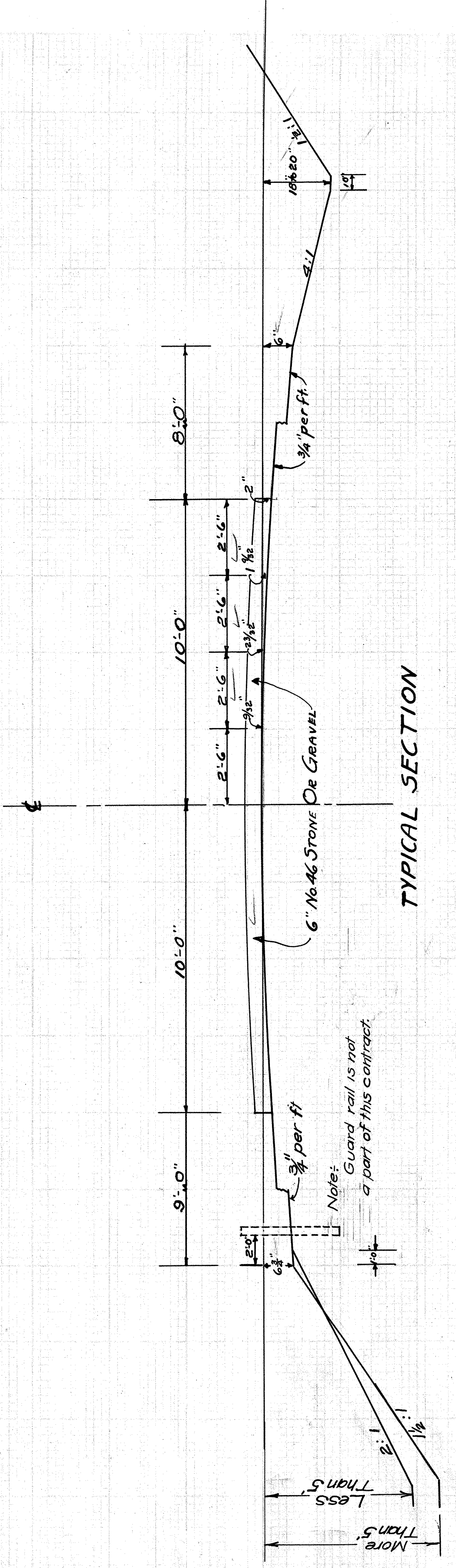


**SITE PLAN**  
 SH.(I.C.H.) NO. 119 SEC. Q Be.  
 TURKEY CREEK  
 NO. 5c-125-63  
 SCIOTO COUNTY  
 STATE OF OHIO

SCALE 1"=10' SEPTEMBER 1931

PRES. TOPOG.		PROPOSED WORK			
Surveyed	Drawn	Des.	Drn.	CKD	Rev.
3/28/11	3/28/11	J.N.D.	H.L.K.	J.M.B.	J.M.B.

SCIOTO COUNTY SH.(I.C.H.) 119 SEC Q BE



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
0	61		
		0	82
		16	32
		17	7
		31	13
0	0		

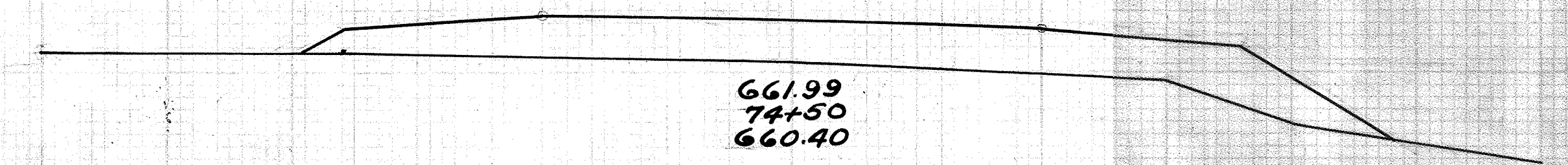
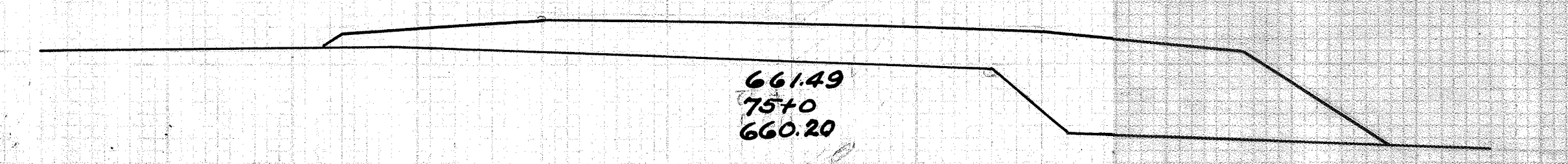
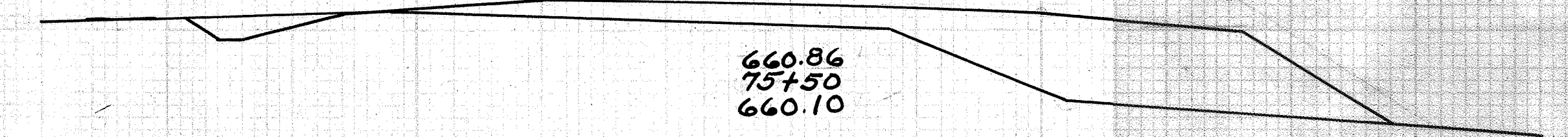
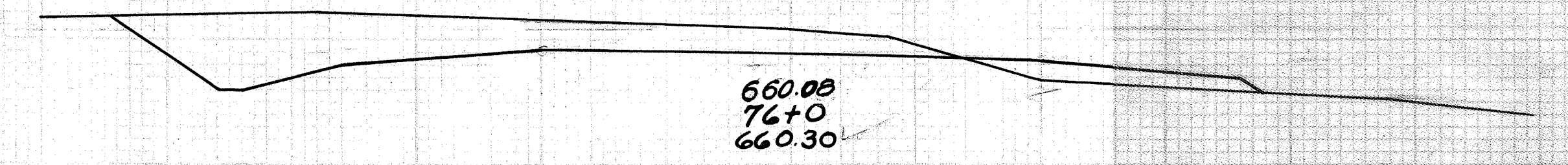
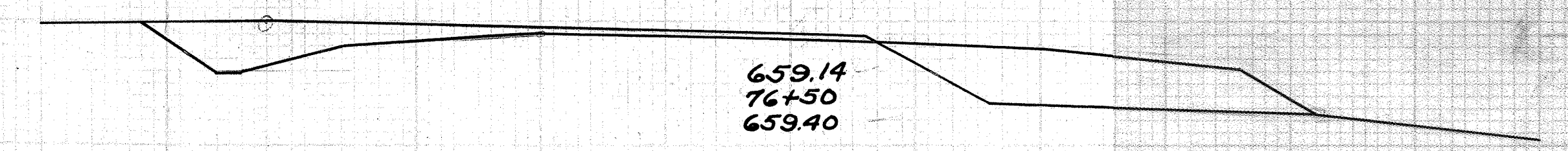


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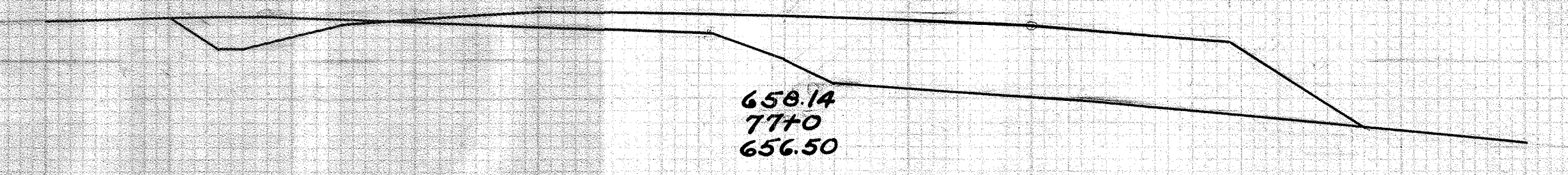
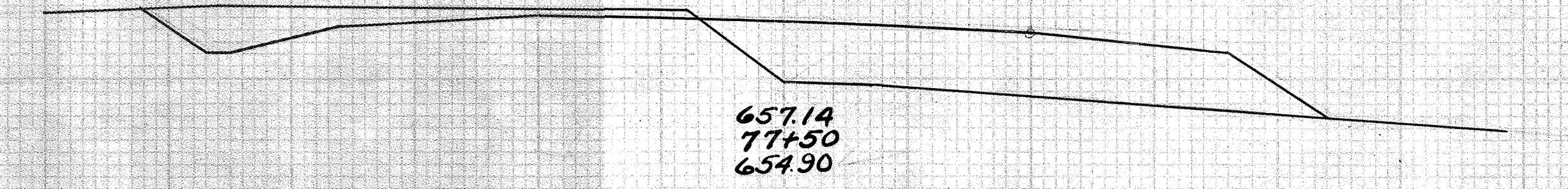
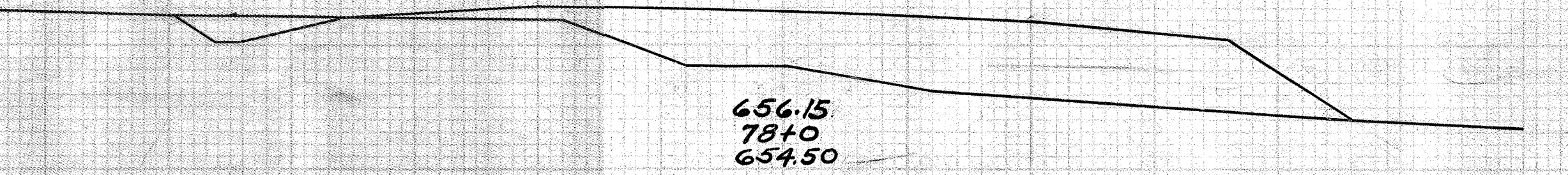
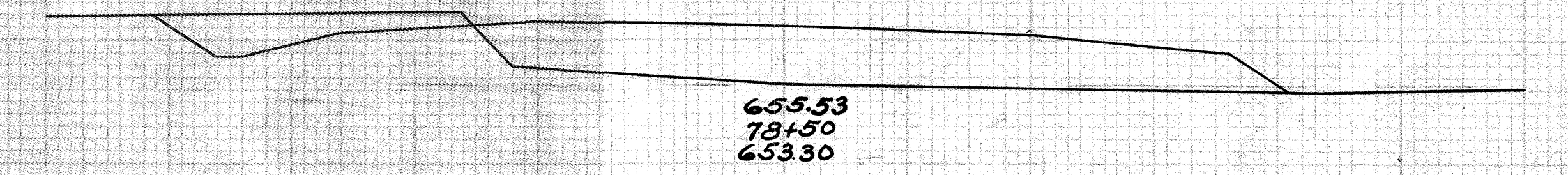
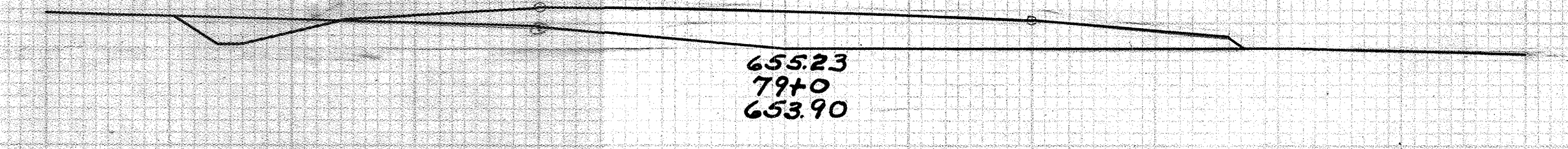
SCIOTO COUNTY S.H.(I.C.H.) 119 SEC. "Q" BE.

30 25 20 15 10 5 0 5 10 15 20 25 30



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
22	29		
		62	32
45	6		
		44	62
3	61		
		3	136
0	86		
		0	144
0	69		
		0	121

30 25 20 15 10 5 0 5 10 15 20 25 30



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
4	35		
			16 93
13	65		
			16 129
4	74		
			15 119
12	54		
			17 122
6	77		
			26 98

25 20 15 10 5 0 5 10 15 20 25 30

30 25 20 15 10 5 0 5 10 15 20

APPROACH EARTHWORK TO STA. 80+45

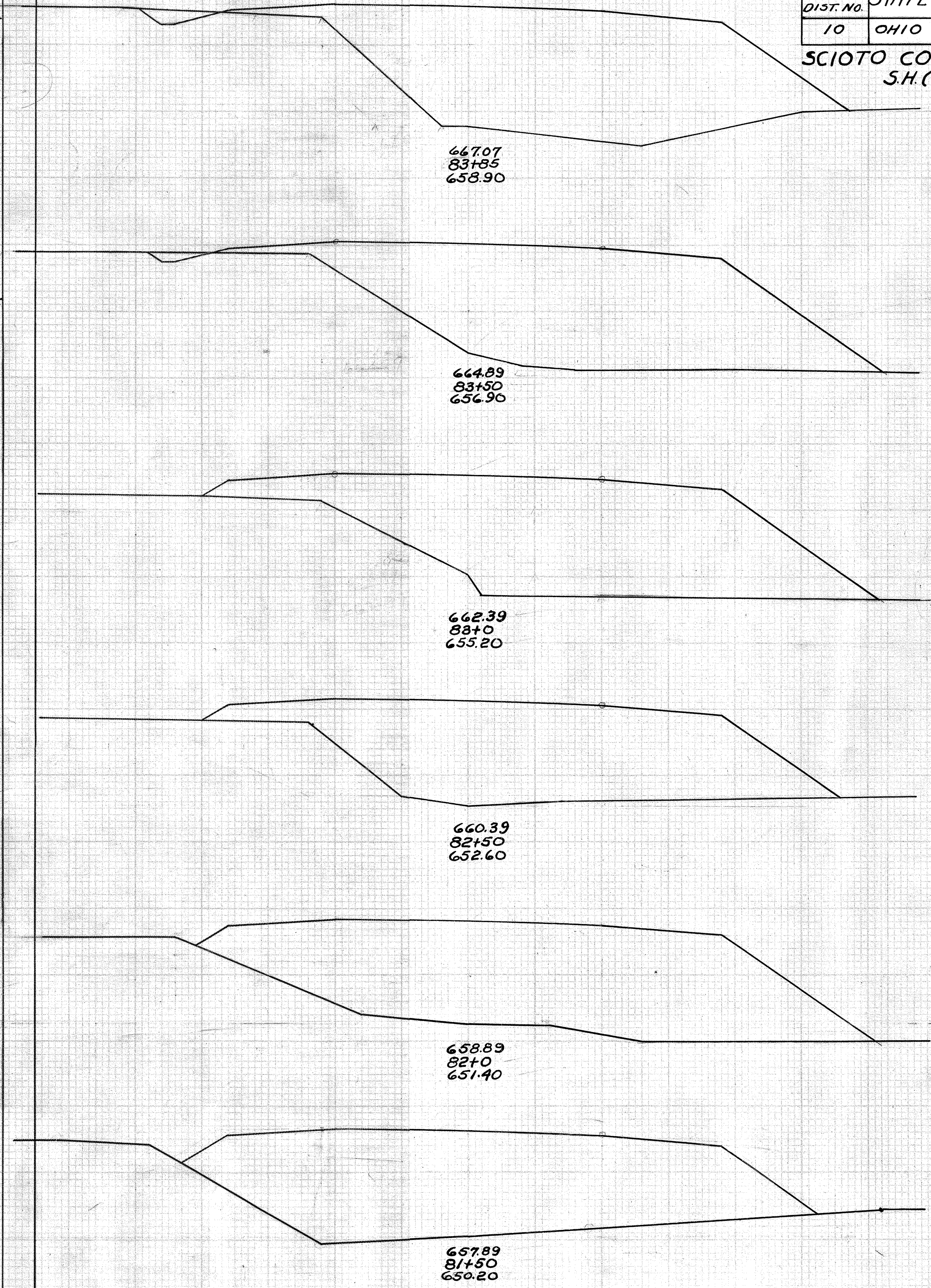
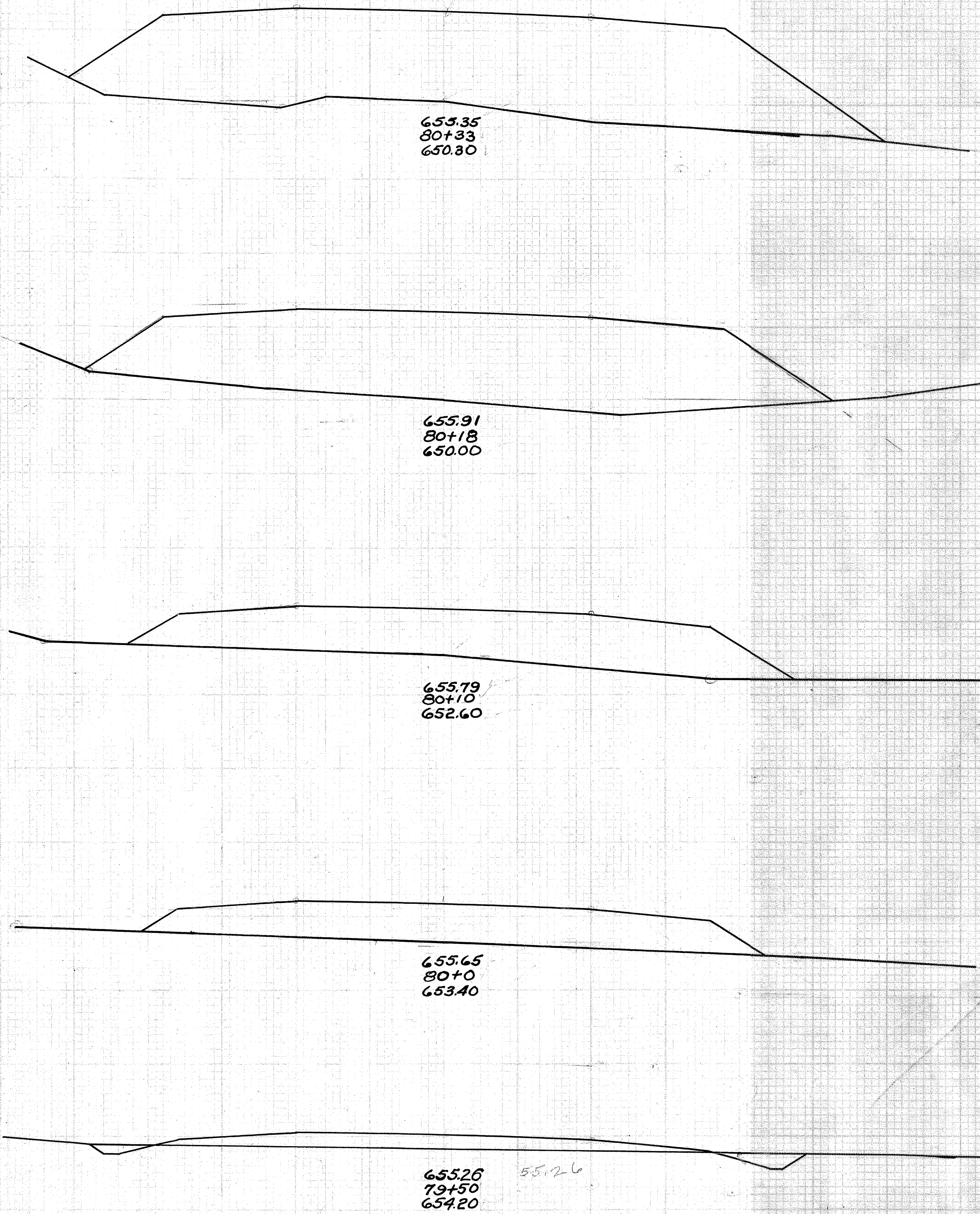
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SCIOTO COUNTY  
S.H. (I.C.H.) 119 SEC. "Q" BR

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
0	117		
0	264		
0	145		
0	257		
0	56		
0	121		
0	40		
0	95		
5	118		
5	32		
8	62		

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
5	287		
		5	362
2	272		
		2	507
0	276		
		0	483
0	245		
		0	506
0	301		
		0	546
0	289		
		0	352



APPROACH EARTHWORK TO STA 81+17

A 35

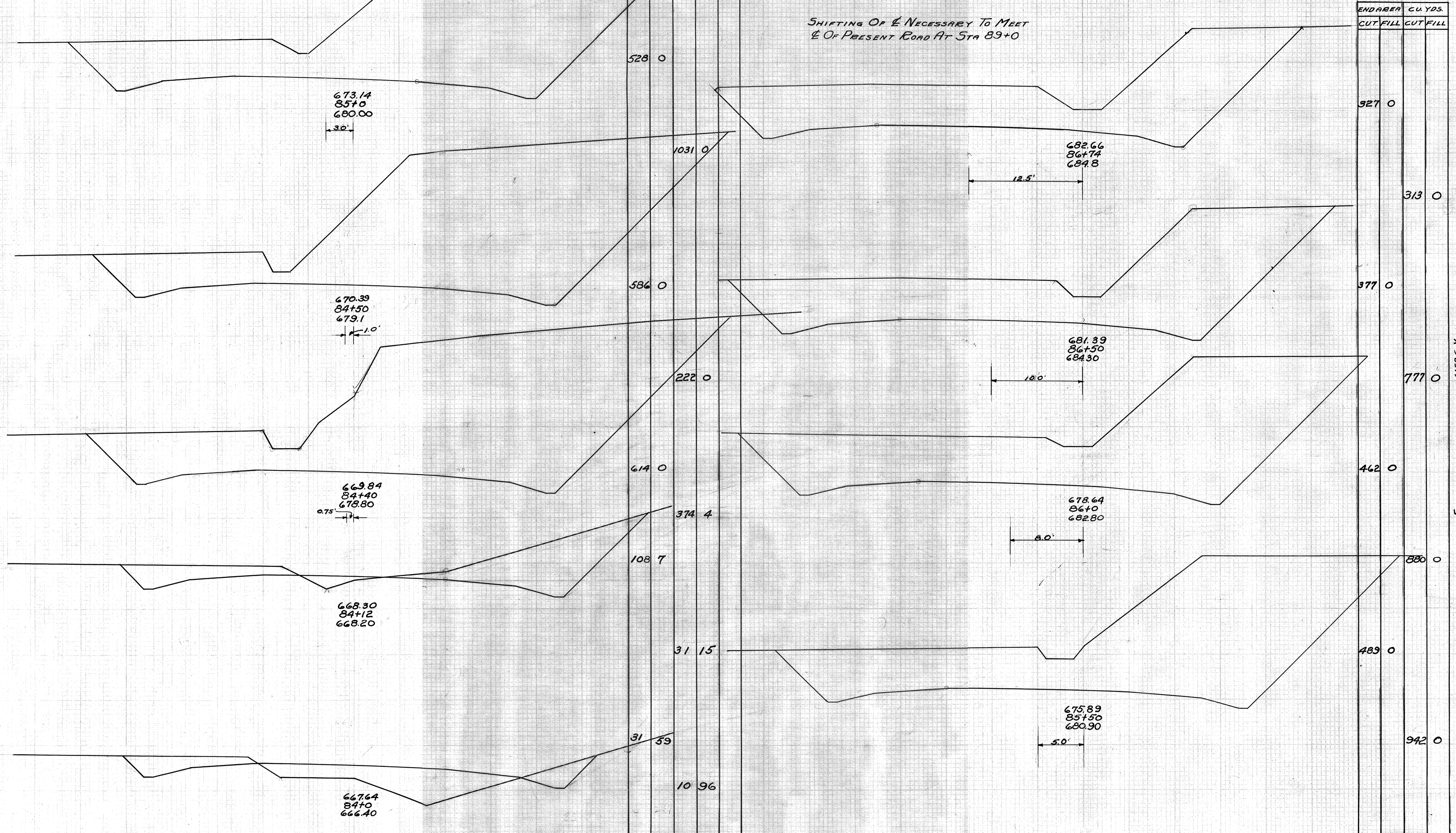
35 30 25 20 15 10 5 0 5 10 15 20 25 35 30 25 20 15 10 5 0 5 10 15

FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
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SCIOTO COUNTY SH.(I.C.H.) 119 SEC. Q' BE

SHIFTING OF E NECESSARY TO MEET  
E OF PRESENT ROAD AT STA 89+0



673.14  
85+0  
680.00  
30'

670.39  
84+50  
679.1  
1.0'

669.84  
84+40  
675.80  
0.75'

668.30  
84+12  
668.20

667.64  
84+0  
666.40

682.66  
86+74  
684.8  
12.5'

681.39  
86+50  
684.30  
100'

678.64  
86+0  
682.80  
80'

675.89  
85+50  
680.90  
50'

Excavation  
Embankment +15%  
Waste  
6152 Cu. Yds.  
4552 "  
5280 "  
872 "

83185

5287

40 35 30 25 20 15 10 5 0 5 10 15 20

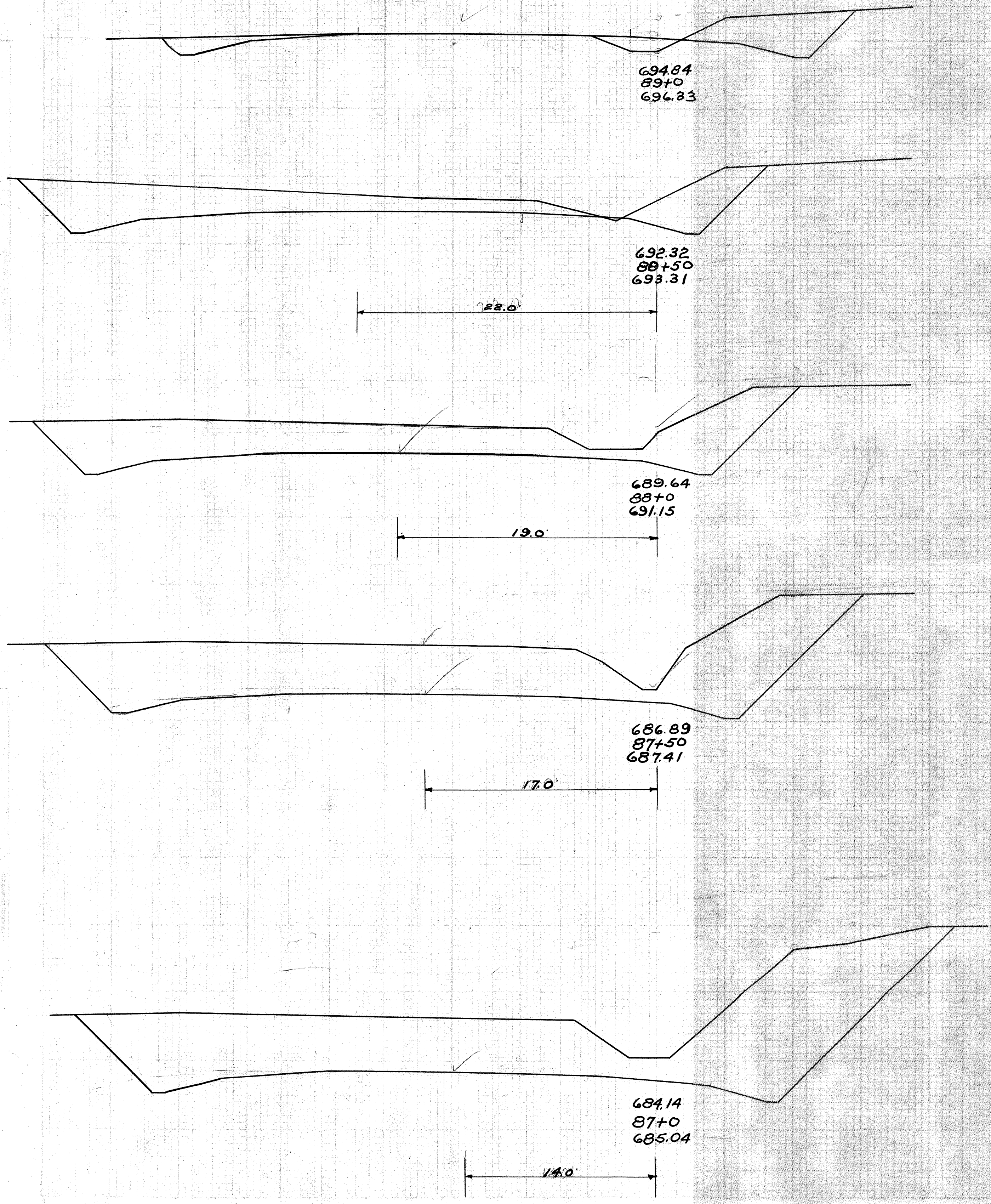
FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO		1931

8  
11

SCIOTO COUNTY S.H.(C.H.) 119-SEC. Q Be.

SHIFTING OF E NECESSARY TO MEET  
E OF PRESENT ROAD AT STA 89+00  
END OF PROJECT

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
0	0	45	0
49	0	165	0
129	0	327	0
224	0	473	0
287	0	296	0



SUMMARY OF QUANTITIES.  
ROADWAY

EXCAVATION & EMBANKMENT  
FROM STA. 72+00 TO STA. 80+45.04 & STA. 81+69.6 TO 89+00

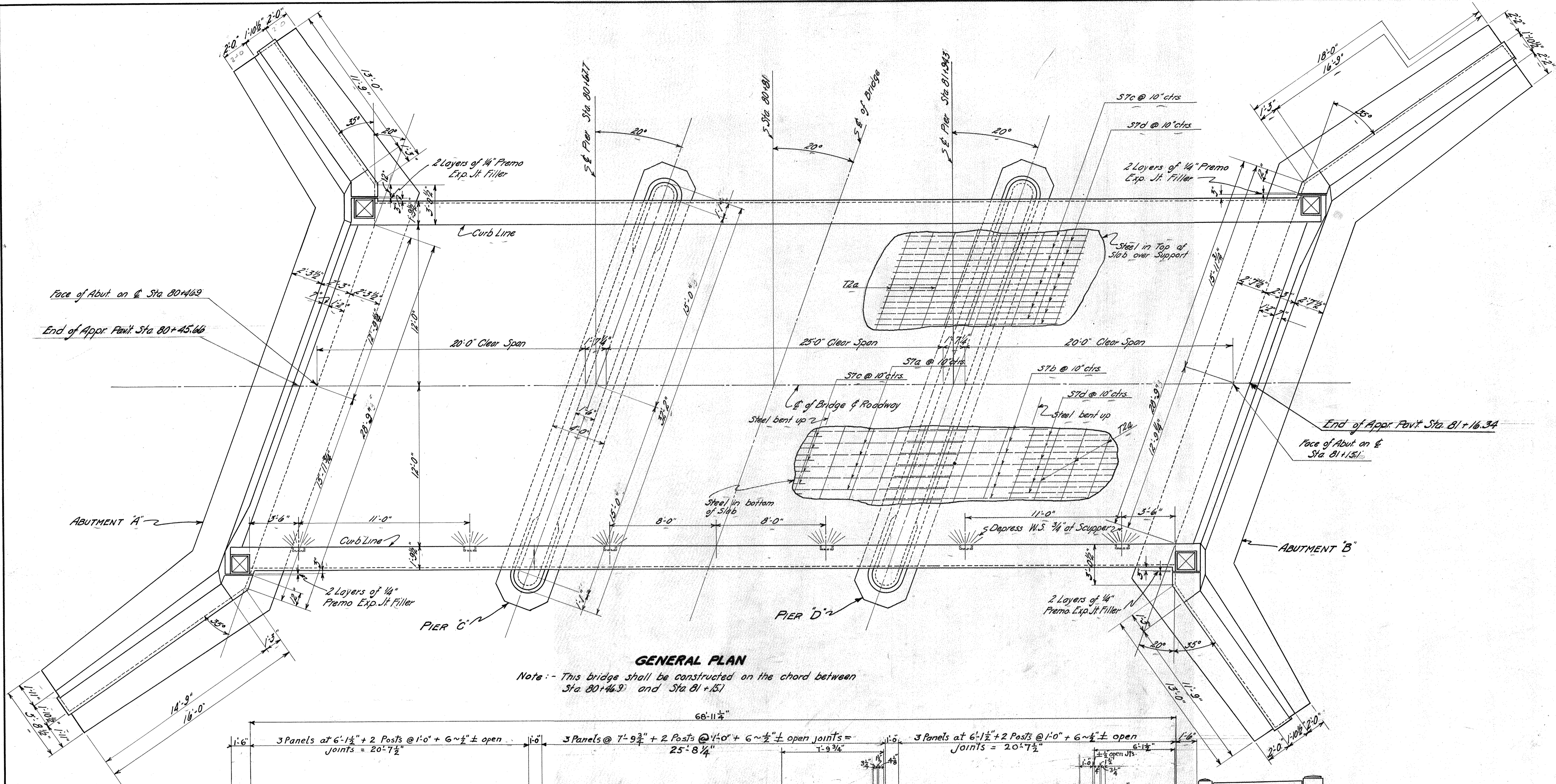
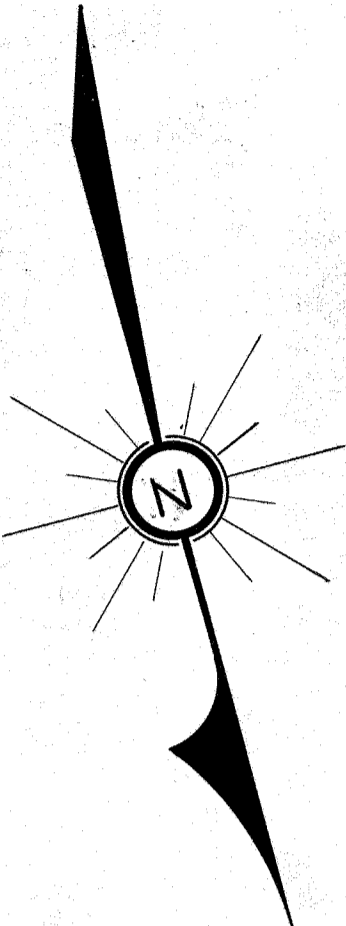
EXCAVATION 6152 Cu. Yds. ✓  
EMBANKMENT 4592 " " ✓  
" +15% 5280 " " ✓  
WASTE 872 " " ✓  
SHOULDERS, SLOPES AND DITCHES 1629 LIN. FT. ✓

No. 46 STONE OR GRAVEL FOR  
RDWY. AND PRIVATE DRIVE

604 cu. yds for road.  
5 cu. yds for drive.  
609 cu. yds. using not less than  
822 tons of gravel or 731 tons  
of crushed stone. ✓

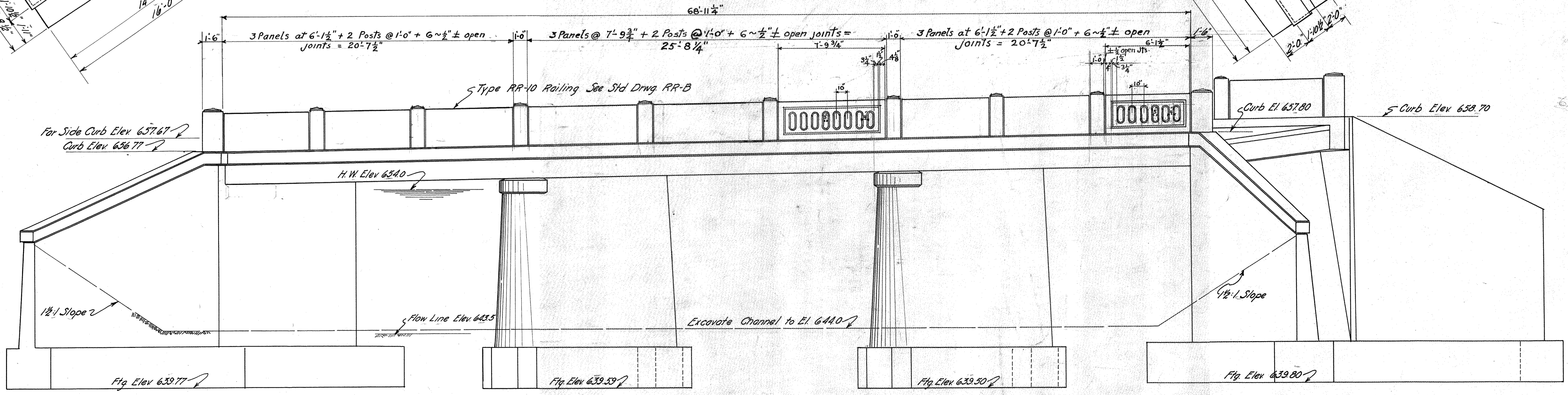
2674 327 0





**GENERAL PLAN**

Note: - This bridge shall be constructed on the chord between Sta. 80+46.9 and Sta. 81+15.1



**ELEVATION**

BRIDGE NO SC-125-63

STATE OF OHIO  
DEPARTMENT OF HIGHWAYS  
BUREAU OF BRIDGES

**GENERAL PLAN-ELEVATION**

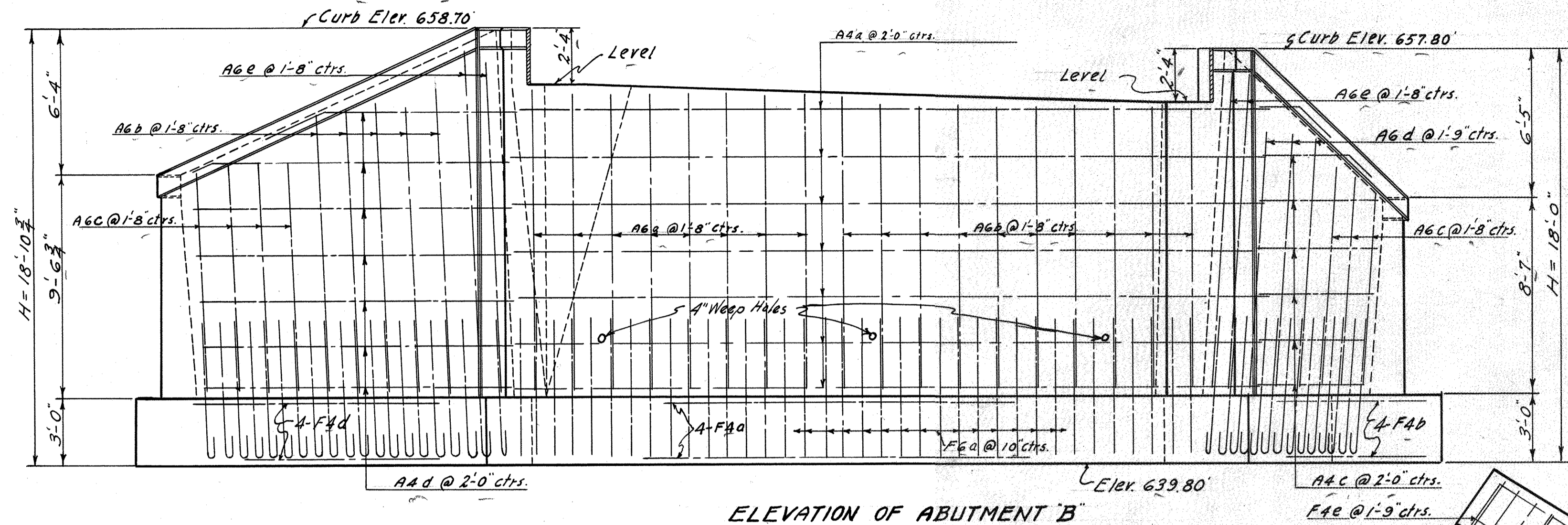
BRIDGE OVER TURKEY CREEK

S. H. 119 SECTION Q BRIDGE SCIOTO COUNTY  
STA. 80+90

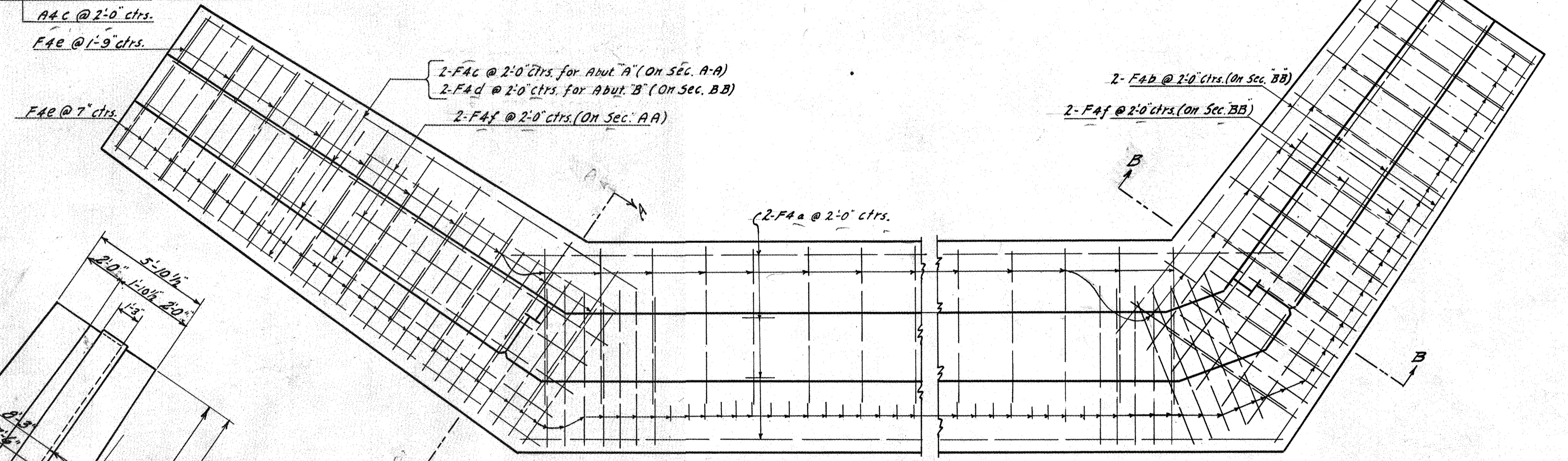
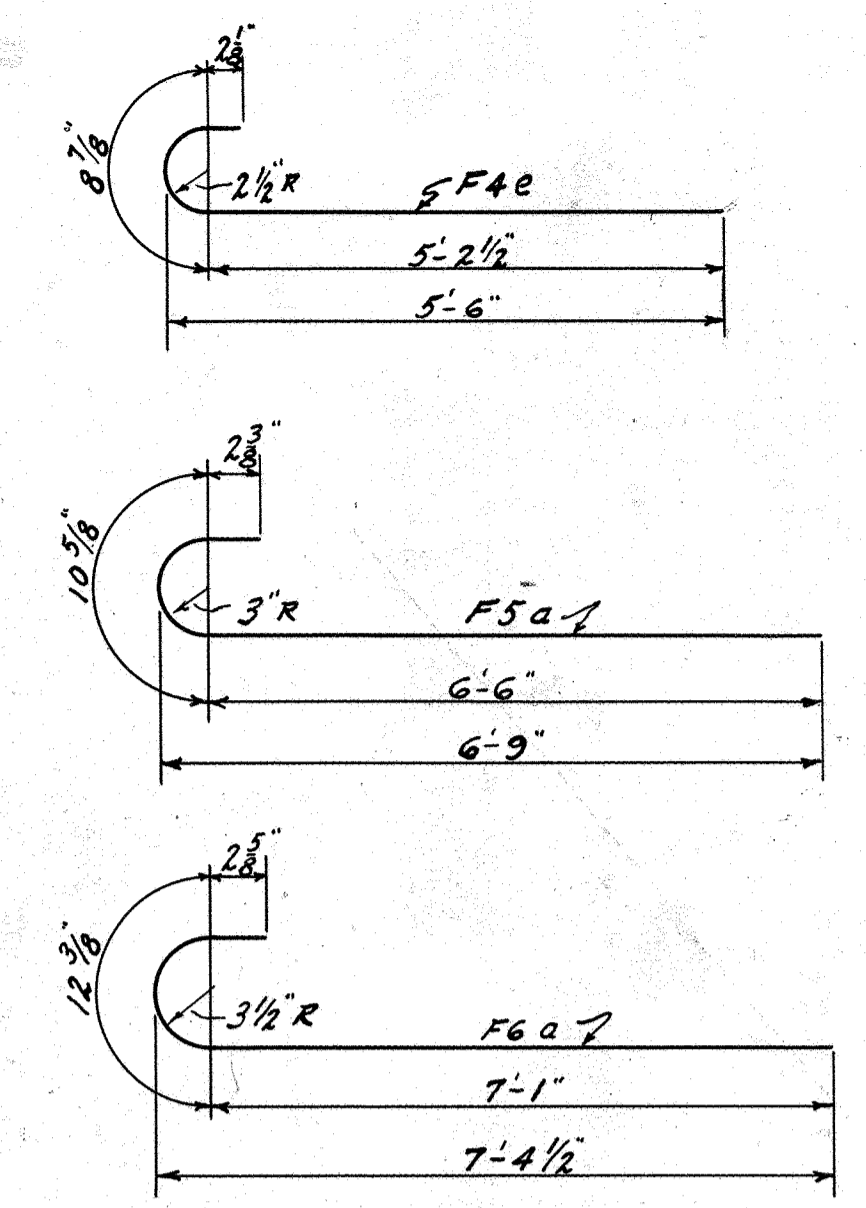
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	11/17/31	

Mark	Size	Shape	No	Length	Weight
A5a	3/4"	St.	18	11'-8"	315
A5b	3/4"	St.	13	11'-2"	218
A5c	3/4"	St.	4	13'-6"	81
A5d	3/4"	St.	9	8'-6"	115
A4a	5/8"	St.	14	30'-6"	445
A4b	5/8"	St.	6	14'-0"	86
A4c	5/8"	St.	12	11'-0"	188
A4d	5/8"	St.	7	16'-0"	114
A6a	7/8"	St.	8	12'-8"	207
A6b	7/8"	St.	15	12'-2"	372
A6c	7/8"	St.	7	9'-3"	132
A6d	7/8"	St.	3	11'-6"	71
A6E	7/8"	St.	4	14'-0"	115
F4a	5/8"	St.	16	29'-0"	484
F4b	5/8"	St.	16	15'-0"	250
F4c	5/8"	St.	8	16'-9"	137
F4d	5/8"	St.	8	18'-9"	153
F4e	5/8"	St.	292	6'-2 1/2"	1885
F5a	3/8"	St.	84	7'-7"	665
F6a	7/8"	St.	70	8'-4"	1192
F4f	5/8"	St.	24	10'-0"	245
A2a	1/2"	St.	20	5'-0"	67
Total					7847

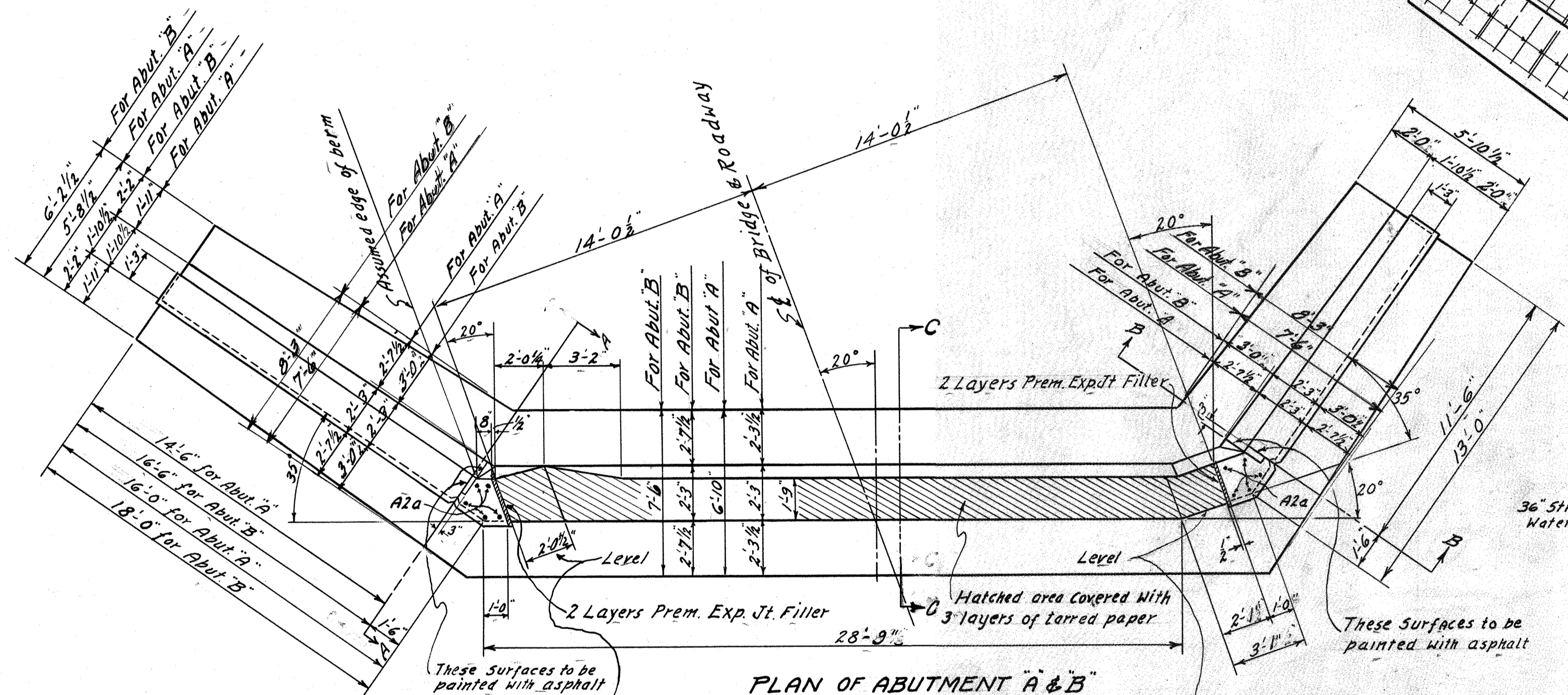
Steel List continued on Sht. No. 11



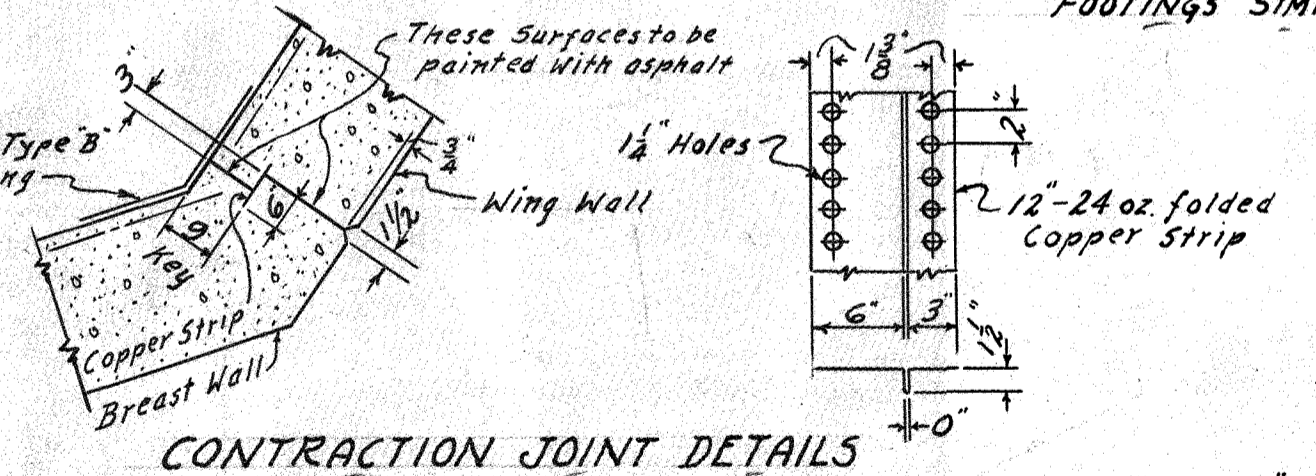
ELEVATION OF ABUTMENT B



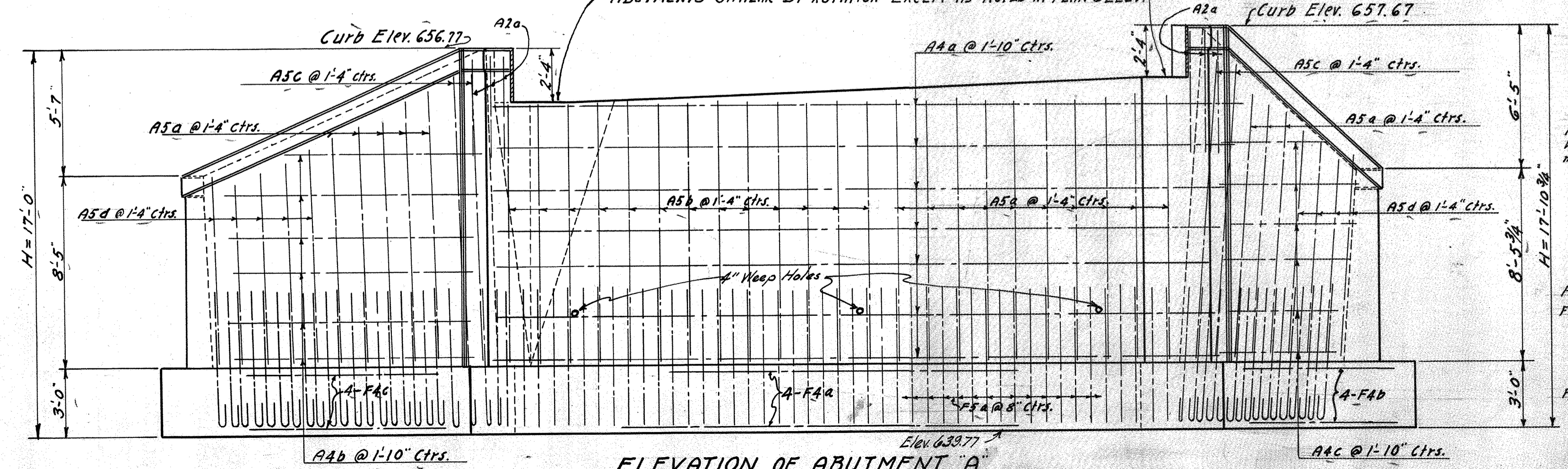
FOOTING REINFORCING FOR ABUTMENTS A & B  
FOOTINGS SIMILAR EXCEPT AS NOTED



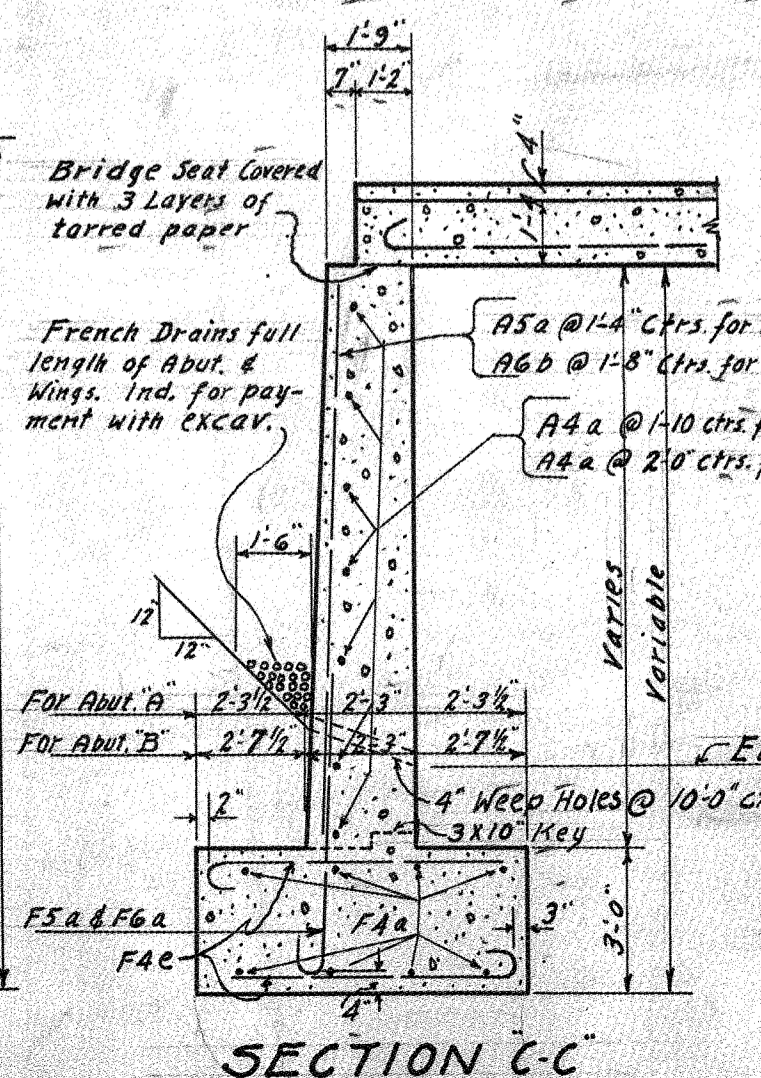
PLAN OF ABUTMENT A & B  
ABUTMENTS SIMILAR BY ROTATION EXCEPT AS NOTED IN PLAN & ELEV.



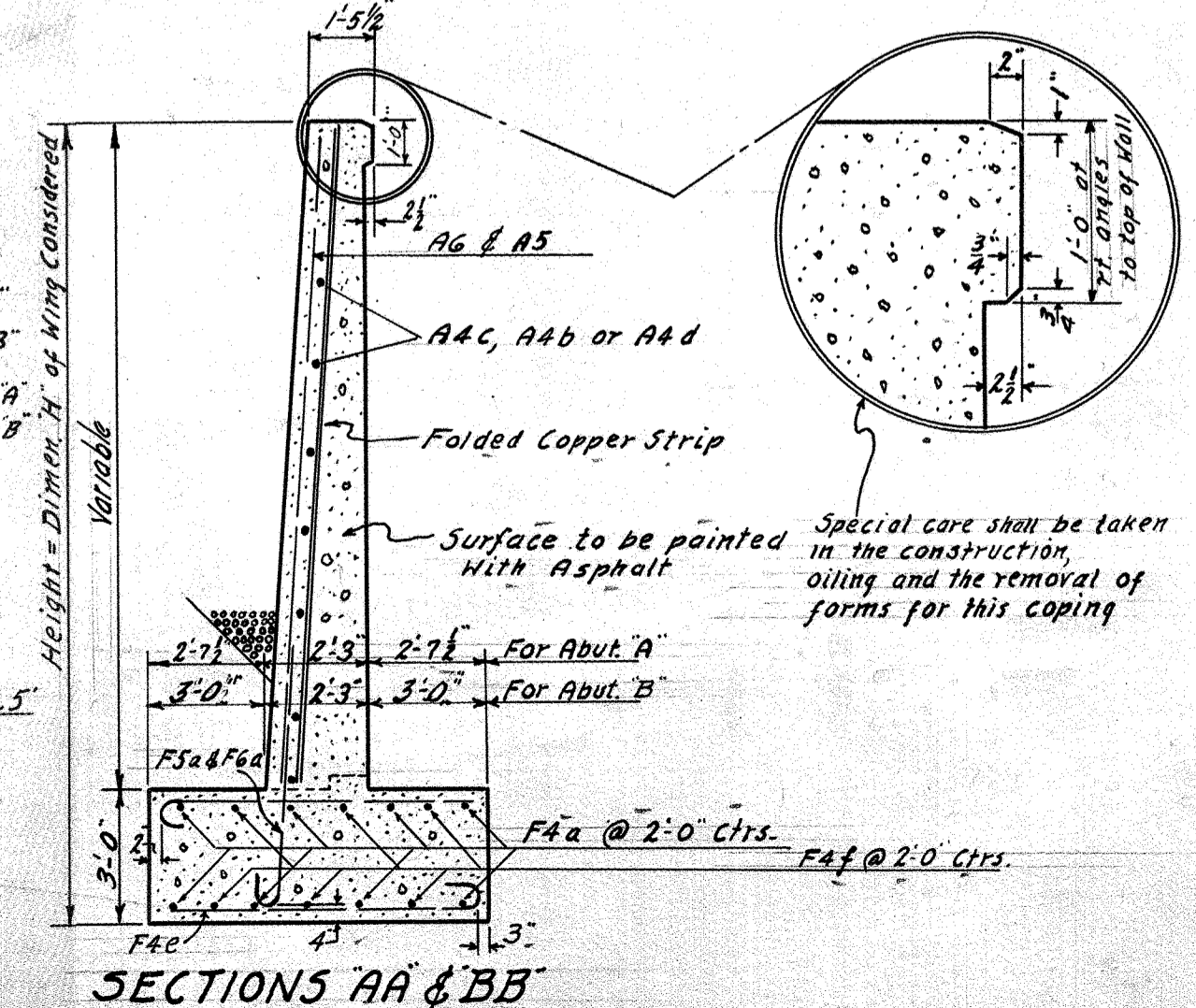
CONTRACTION JOINT DETAILS



ELEVATION OF ABUTMENT A



SECTION C-C



SECTIONS AA & BB

STATE OF OHIO  
DEPARTMENT OF HIGHWAY  
BUREAU OF BRIDGES

**ABUTMENT DET**

BRIDGE OVER TURKEY C  
BRIDGE No. 30-125  
S. H. 119  
SECTION Q BRIDGE  
SCIOTO COUNTY

DESIGNED	DRAWN	TRACED	CHECKED
E.T.S.	E.T.S.	Ear	J.H.

GENERAL NOTES

Superstructure shall be three continuous concrete slab spans (Spans 20'-25'-20') 24ft. roadway and 20° L.F. skew bridge is on a 2°.00' curve to right but shall be constructed on chord between Sta. 80+44.9 and Sta. 81+15.1 with curbs straight and no widening. 4" concrete wearing surface. No approach slabs. Bridge is also on a +1.5% grade.

Channel Excavation: Excavate channel to EL. 644.0 within limits shown on site plan.

Camber: There will be no camber, but care shall be taken to prevent sag.

Concrete Proportions: Concrete in slab, curb and railing shall be 1:5 1/2 mix and in walls and footings 1:6 1/2 mix.

Reinforcing Steel and Dowels in footing shall be accurately placed and secured before concrete is deposited.

All Debris, silt, laitance, etc. shall be removed from the tops of footings before wall concrete is deposited.

No Horizontal Construction Joints other than those shown will be permitted. Vertical construction joints allowed only by special permission of the Engineer. All construction in abutments shall be sealed on the back with Type B Waterproofing 36" wide.

Bridge is designed for H-15 loading

Railing shall be Type RR-10 as shown on Std. Dwg. RR-B.

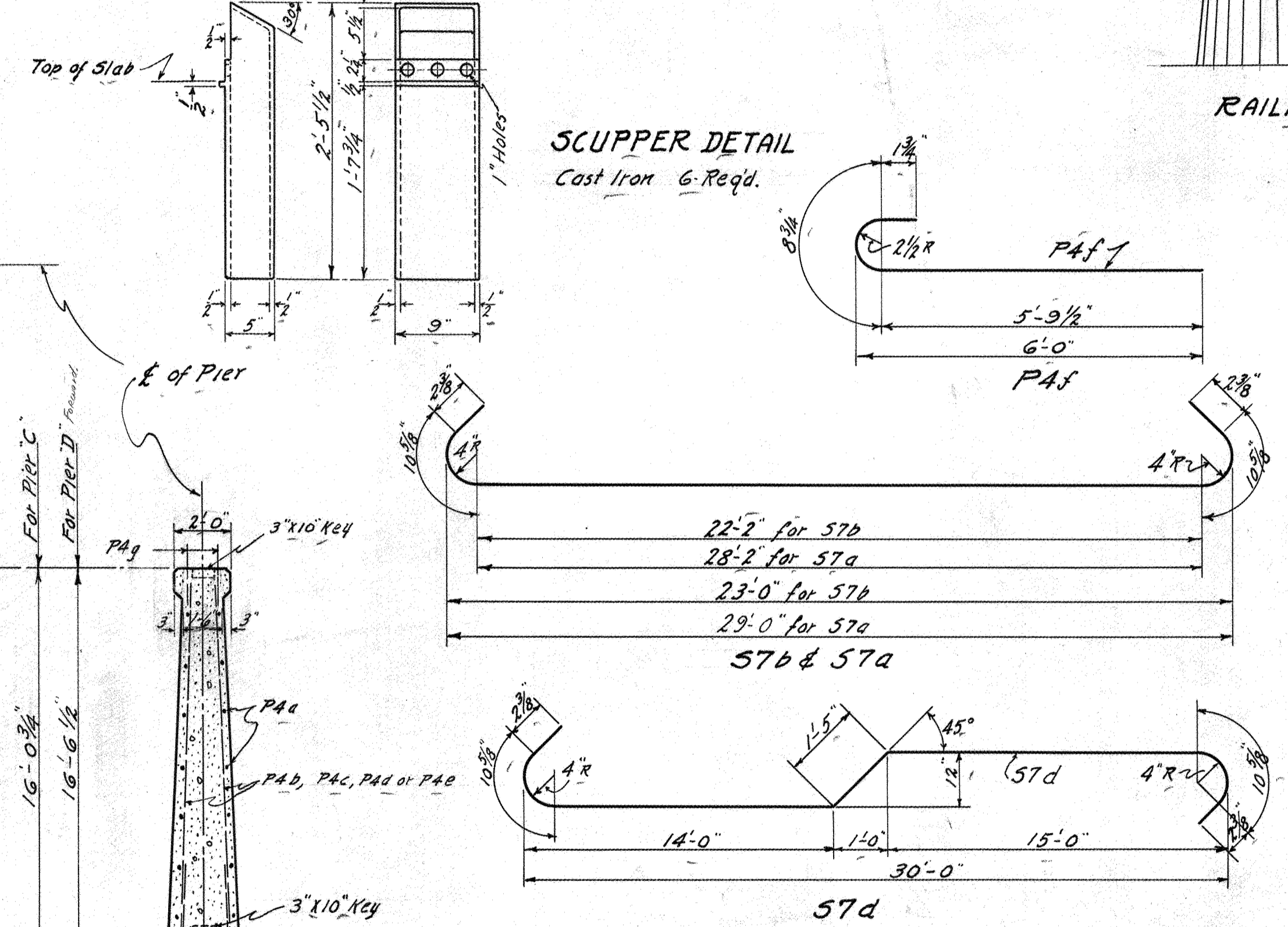
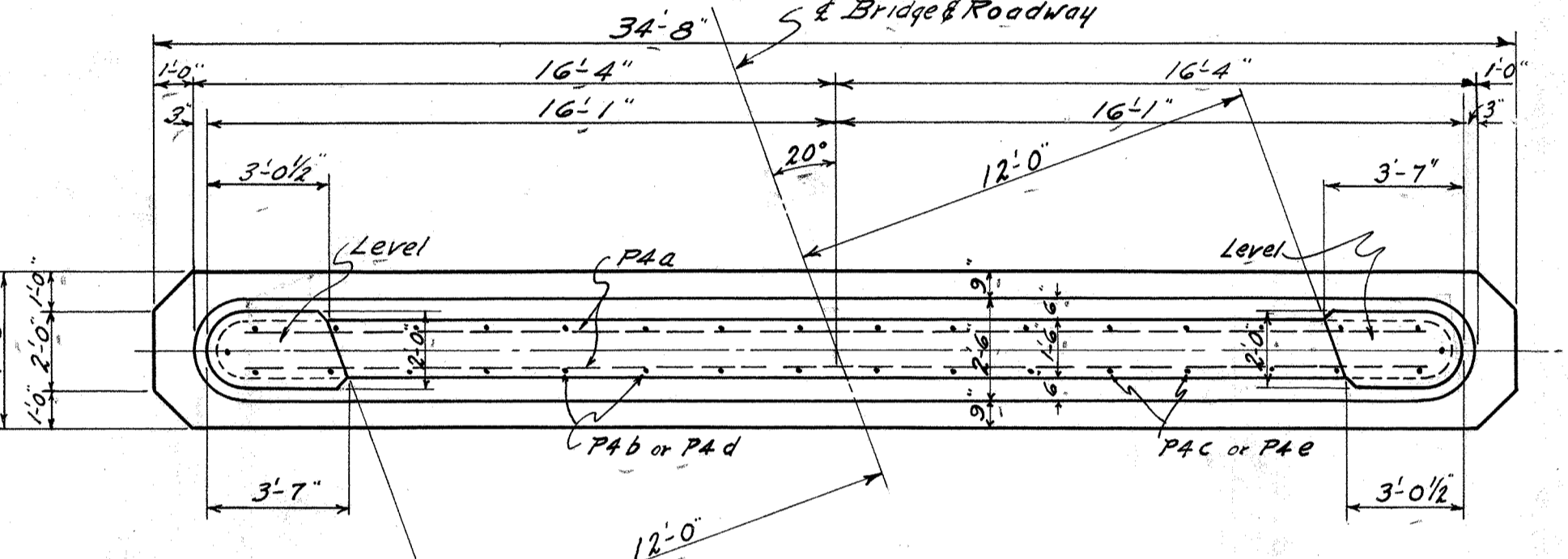
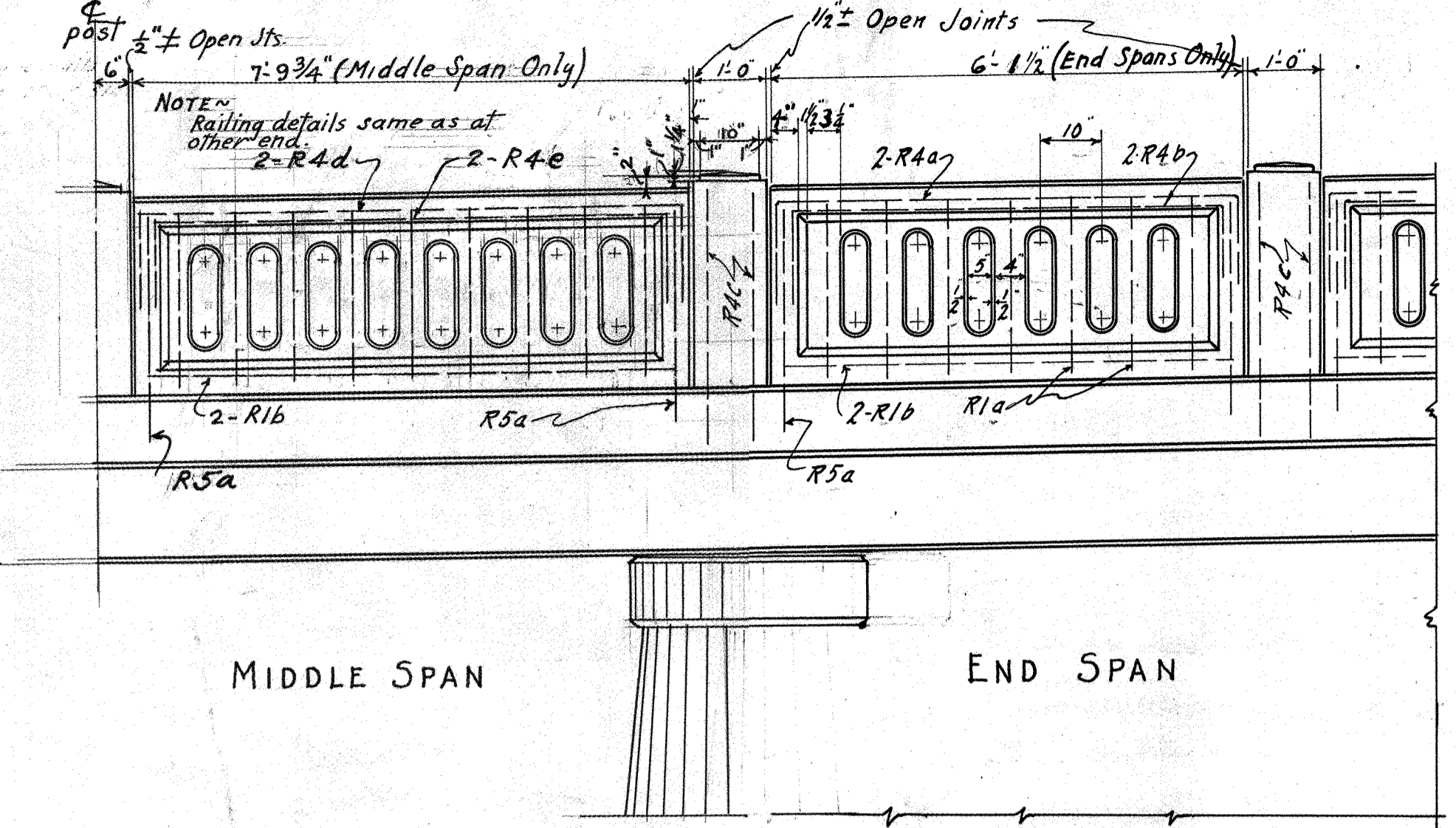
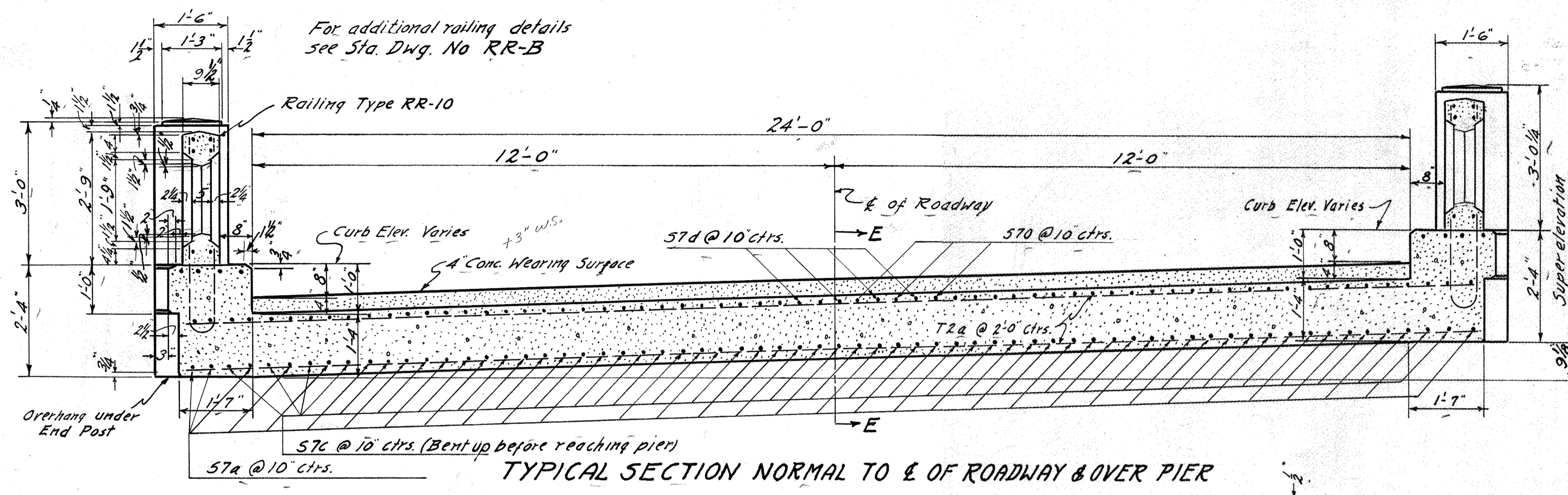
Old Abutments shall be removed as channel excavation and disposed of at the direction of the Engineer.

Traffic will continue over the present road and bridge until the new structure and its approaches have been completed. After traffic has been diverted to the new bridge, the present bridge shall be carefully and completely dismantled and piled along the R/W of the disposal of the state.

Chamfers - All exposed edges not otherwise specified or detailed shall be beveled 1/4" x 3/4"

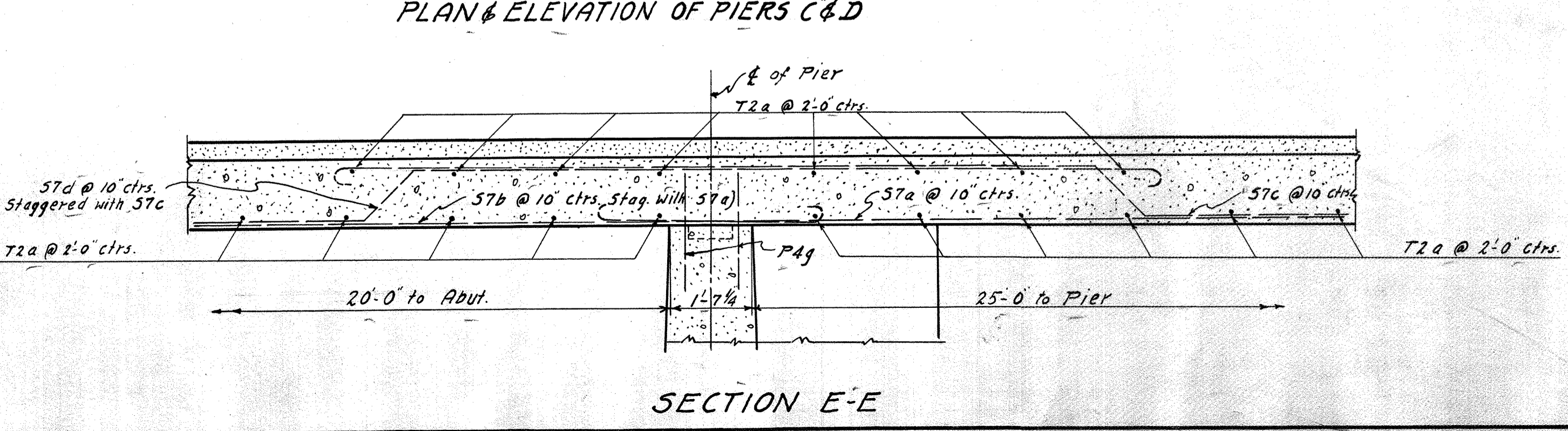
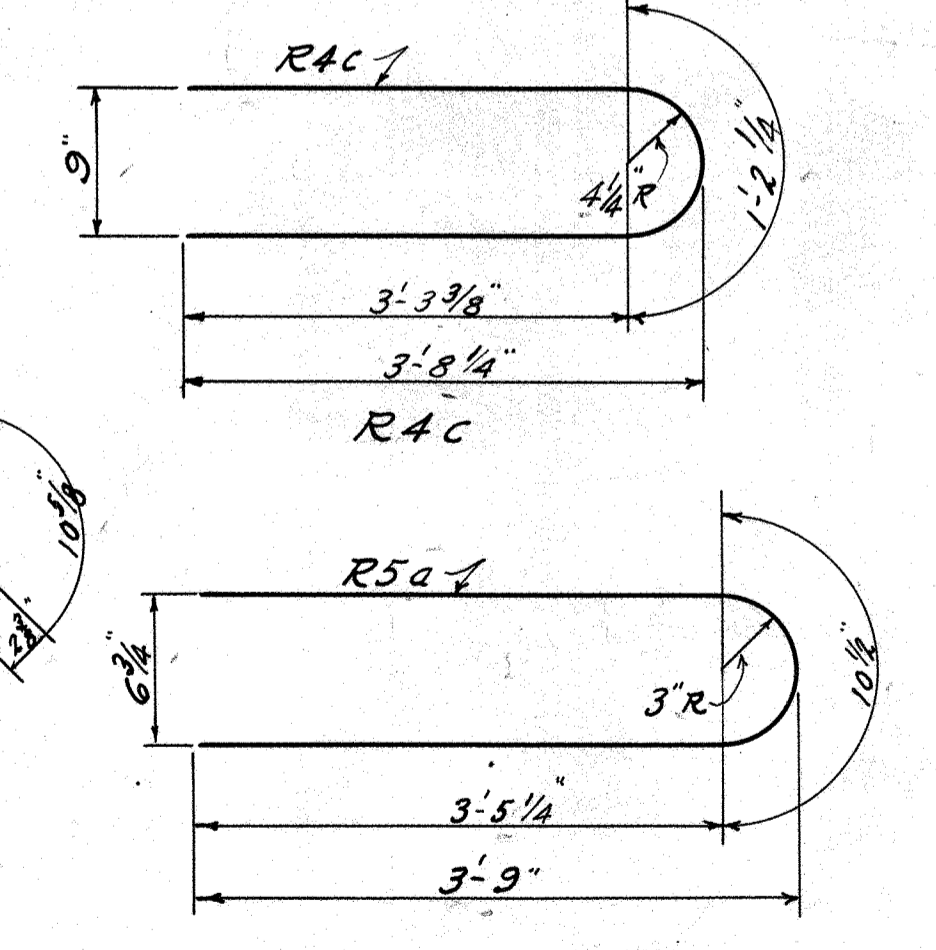
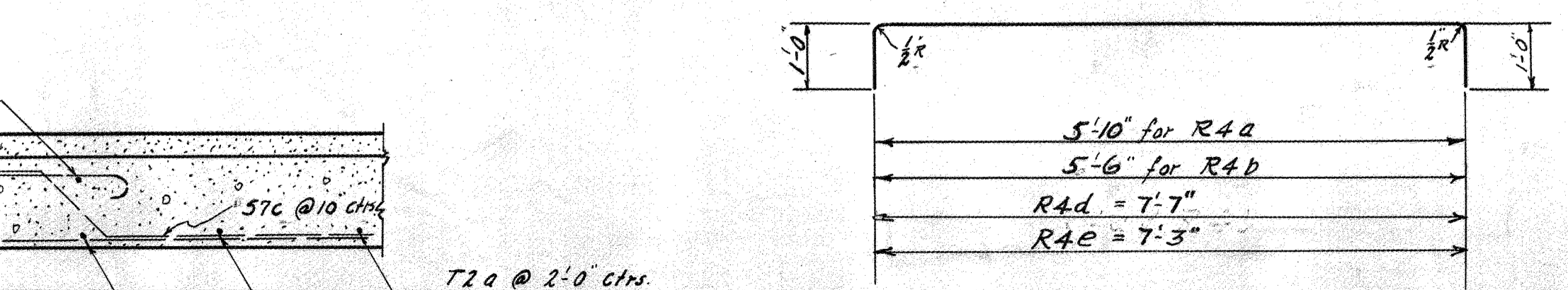
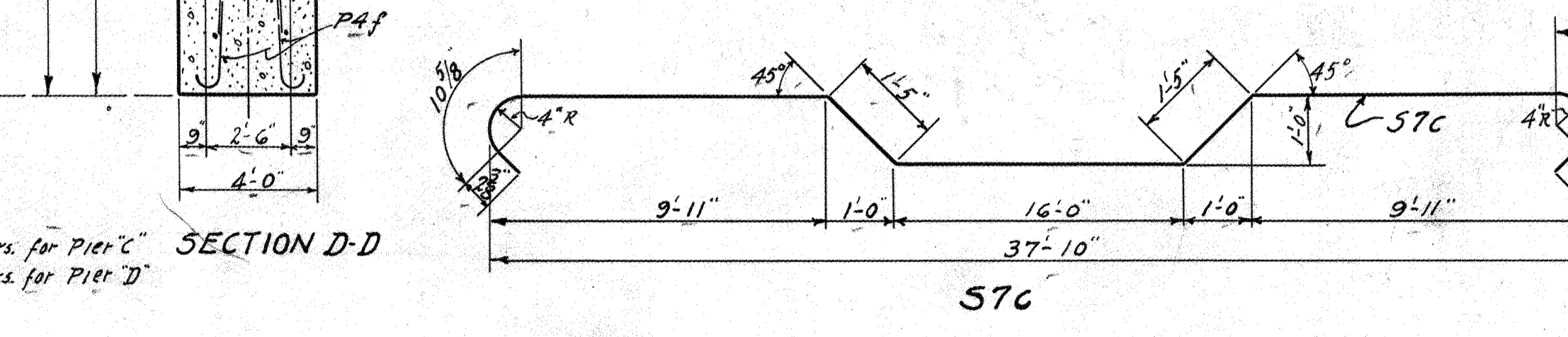
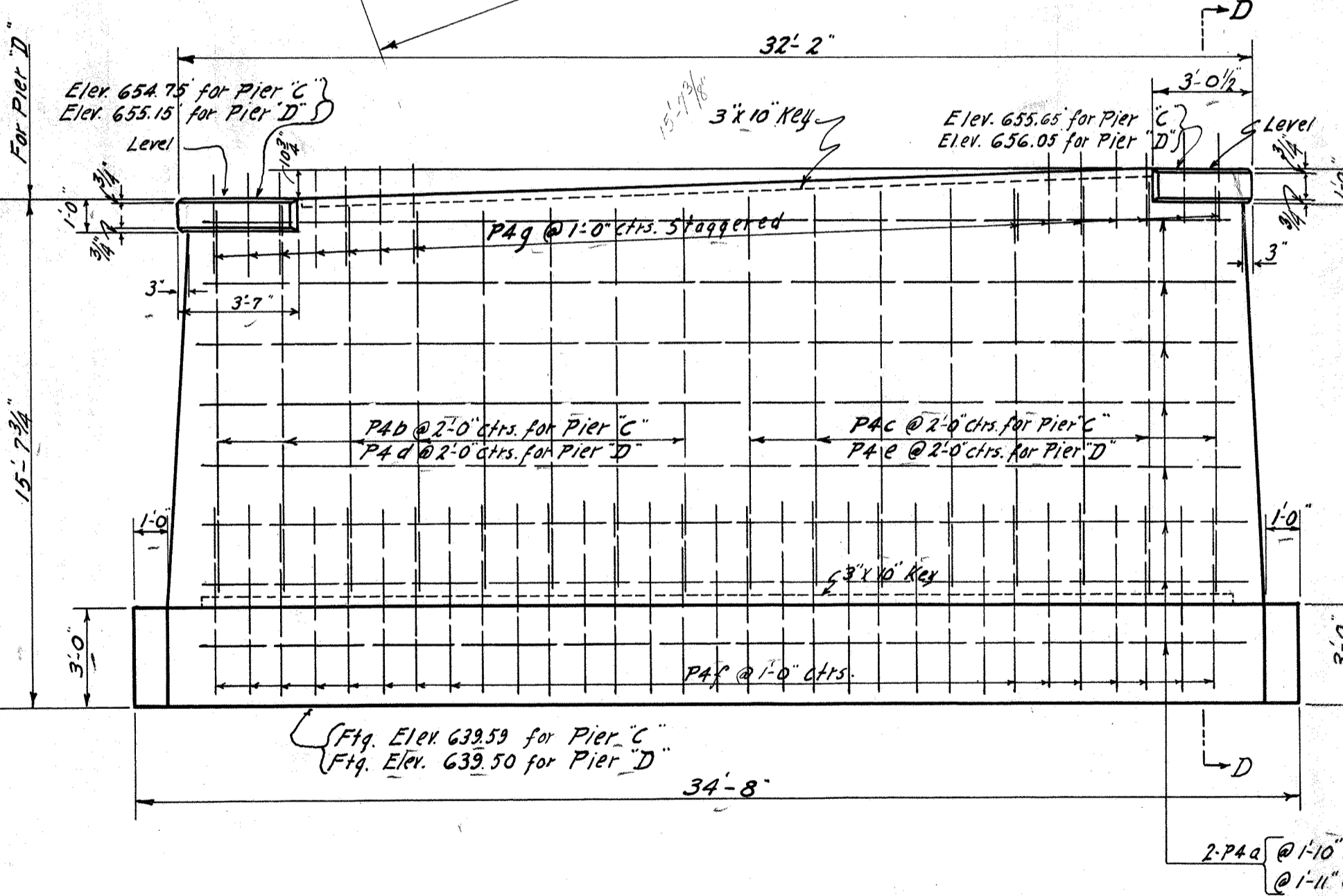
ESTIMATED QUANTITIES

Item	Quantity	Lump Sum
Cofferdams, sheeting & Pumping		Lump Sum
Removal of Existing Bridge		Lump Sum
Type B Waterproofing	20 Sq. Yds.	
Channel Excavation	300 Cu. Yds.	
Foundation Excavation	180 Cu. Yds.	
Rock Excavation	50 Cu. Yds.	
Concrete (1:6 1/2 mix) Footings	125 Cu. Yds.	
Concrete (1:6 1/2 mix) Walls	175 Cu. Yds.	
Concrete (1:5 1/2 mix) Superstructure	105 Cu. Yds.	
4" Plain Conc. Wearing Surface (1:5 1/2 mix)	190 Sq. Yds.	
Reinforced Conc. Railing (Type RR-10) (1:5 1/2 mix)	143.9 Lin. Ft.	
Reinforcing Steel	28,110 Lbs.	
1/4" Prem. Exp. Jt. Filler	35 Sq. Ft.	
Scuppers	6 Pcs.	
12'-24 oz. Copper Strip contr. Jt.	60 Lin. Ft.	



STEEL LIST (CONTINUED)

Mark	Size	Shape	No.	Length	Weight
P4a	3/8"	St.	32	31'-0"	1030
P4b	3/8"	St.	16	11'-8"	194
P4c	3/8"	St.	16	12'-2"	203
P4d	3/8"	St.	16	12'-0"	200
P4e	3/8"	St.	16	12'-6"	208
P4f	3/8"	St.	124	6'-8"	862
P4g	3/8"	St.	82	3'-0"	194
57a	1"	St.	34	30'-4"	2750
57b	1"	St.	64	24'-4"	4150
57c	1"	St.	32	40'-0"	3420
T2a	1/2"	St.	50	26'-9"	900
R1a	3/8"	St.	138	2'-6"	
R1b	3/8"	St.	36	6'-0"	Included in railing for payment.
R4a	3/8"	St.	24	7'-10"	
R4b	3/8"	St.	24	7'-6"	
R4d	3/8"	St.	12	9'-7"	
R4e	3/8"	St.	12	9'-3"	
R4c	3/8"	St.	40	7'-9"	324
R5a	3/4"	St.	36	7'-9"	419
Total					20,624



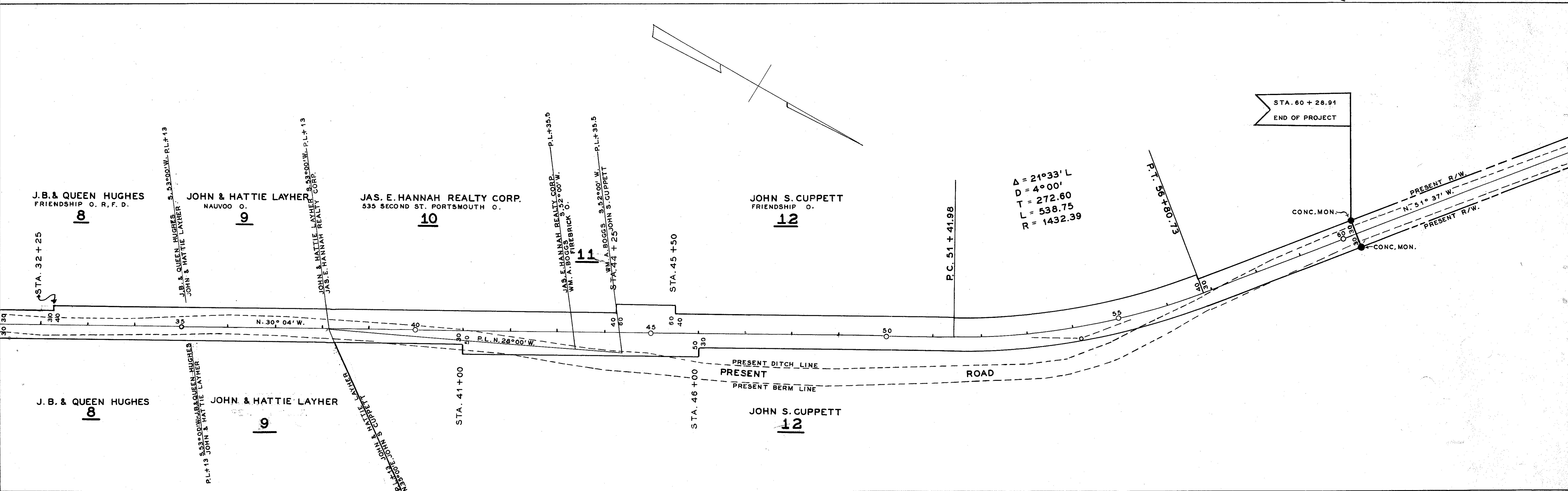
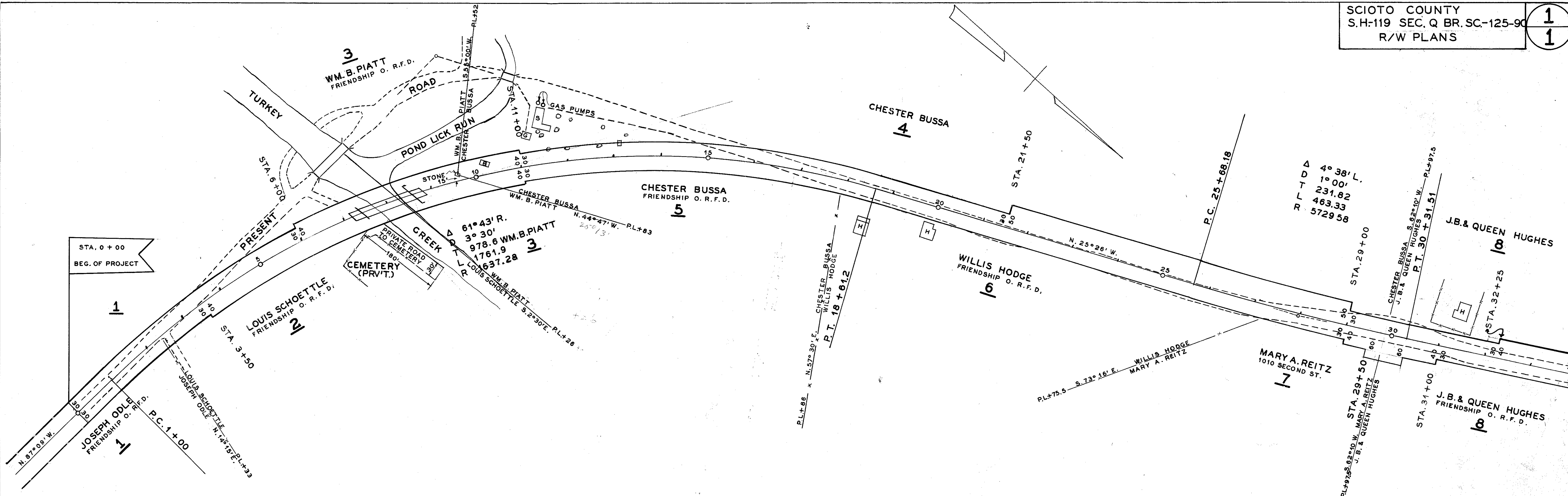
STATE OF OHIO DEPARTMENT OF HIGHWAY BUREAU OF BRIDGES

PIER & SUPERSTRUCTURE GENERAL NOTES - ESTIM

BRIDGE OVER TURKEY CR

S.H. 119 BRIDGE No. Sc-125 SECTION Q BRIDGE

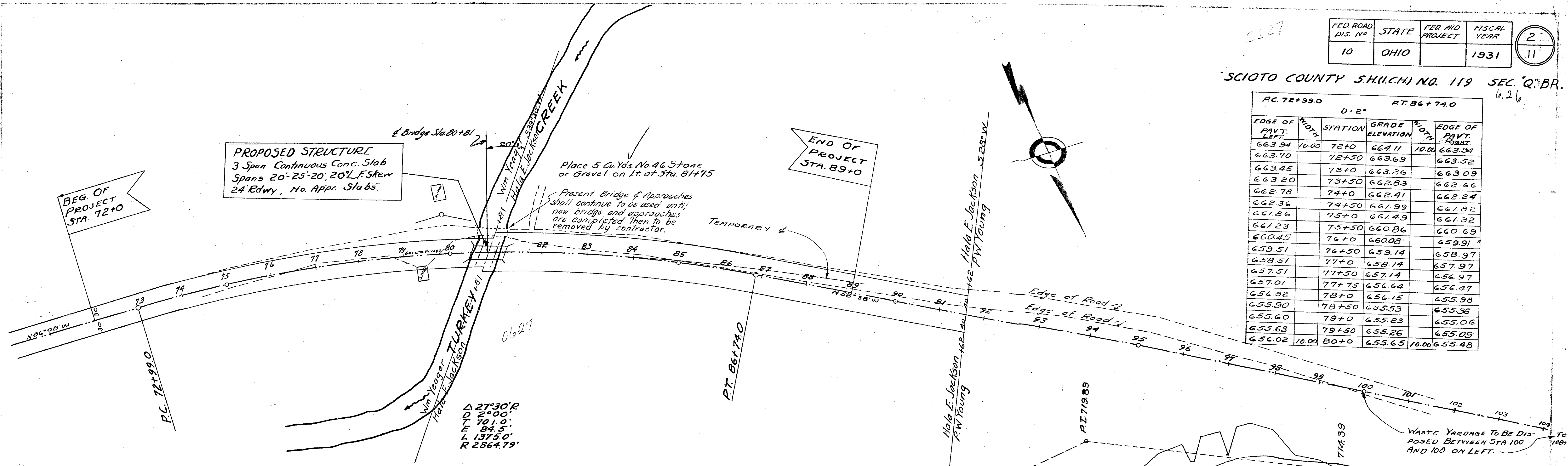
DESIGNED	DRAWN	TRACED	CHECKED	REV.



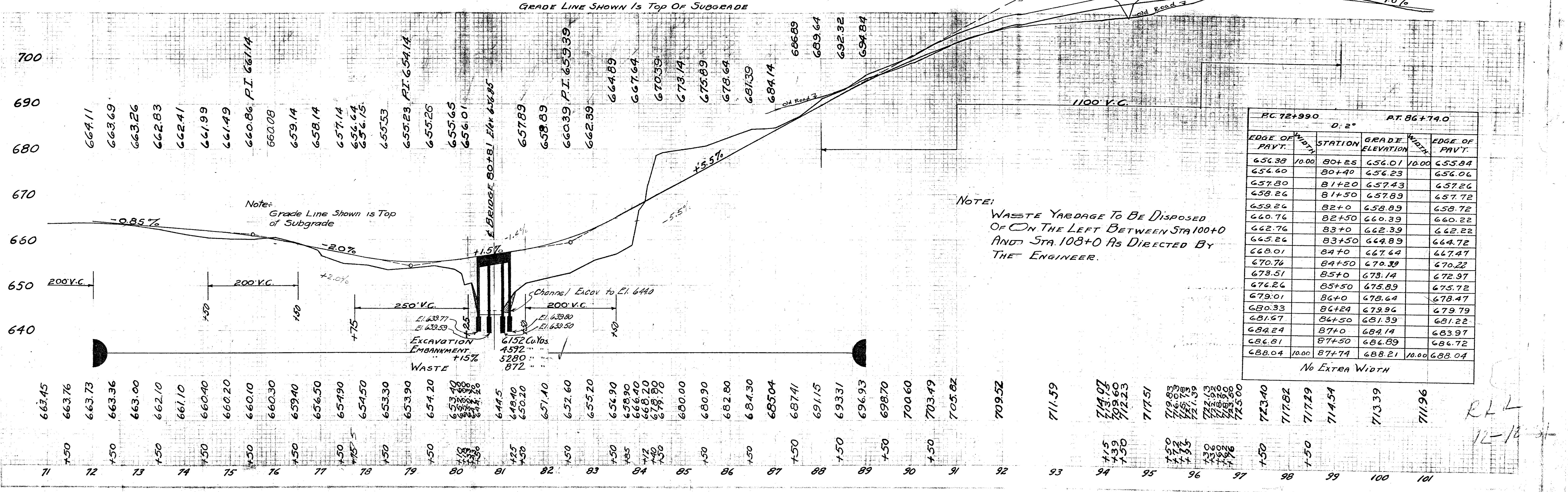
FED. ROAD DIS. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO		1931

2  
11

SCIOTO COUNTY S.H.I.C.H. NO. 119 SEC. "Q" BR. 6.26



EDGE OF PAVT. LEFT	WIDTH	STATION	GRADE ELEVATION	WIDTH	EDGE OF PAVT. RIGHT
663.94	10.00	72+0	664.11	10.00	663.94
663.70		72+50	663.69		663.52
663.45		73+0	663.26		663.09
663.20		73+50	662.83		662.66
662.78		74+0	662.41		662.24
662.36		74+50	661.99		661.82
661.86		75+0	661.49		661.32
661.23		75+50	660.86		660.69
660.45		76+0	660.08		659.91
659.51		76+50	659.14		658.97
658.51		77+0	658.14		657.97
657.51		77+50	657.14		656.97
657.01		77+75	656.64		656.47
656.52		78+0	656.15		655.98
655.90		78+50	655.53		655.36
655.60		79+0	655.23		655.06
655.63		79+50	655.26		655.09
656.02	10.00	80+0	655.65	10.00	655.48



EDGE OF PAVT. LEFT	WIDTH	STATION	GRADE ELEVATION	WIDTH	EDGE OF PAVT. RIGHT
656.38	10.00	80+25	656.01	10.00	655.84
656.60		80+40	656.23		656.06
657.80		81+20	657.43		657.26
658.26		81+50	657.89		657.72
659.26		82+0	658.89		658.72
660.76		82+50	660.39		660.22
662.76		83+0	662.39		662.22
665.26		83+50	664.89		664.72
668.01		84+0	667.64		667.47
670.76		84+50	670.39		670.22
673.51		85+0	673.14		672.97
676.26		85+50	675.89		675.72
679.01		86+0	678.64		678.47
680.33		86+25	679.96		679.79
681.67		86+50	681.39		681.22
684.24		87+0	684.14		683.97
686.81		87+50	686.89		686.72
688.04	10.00	87+75	688.21	10.00	688.04

No Extra Width

R.L.L.  
12-18-31