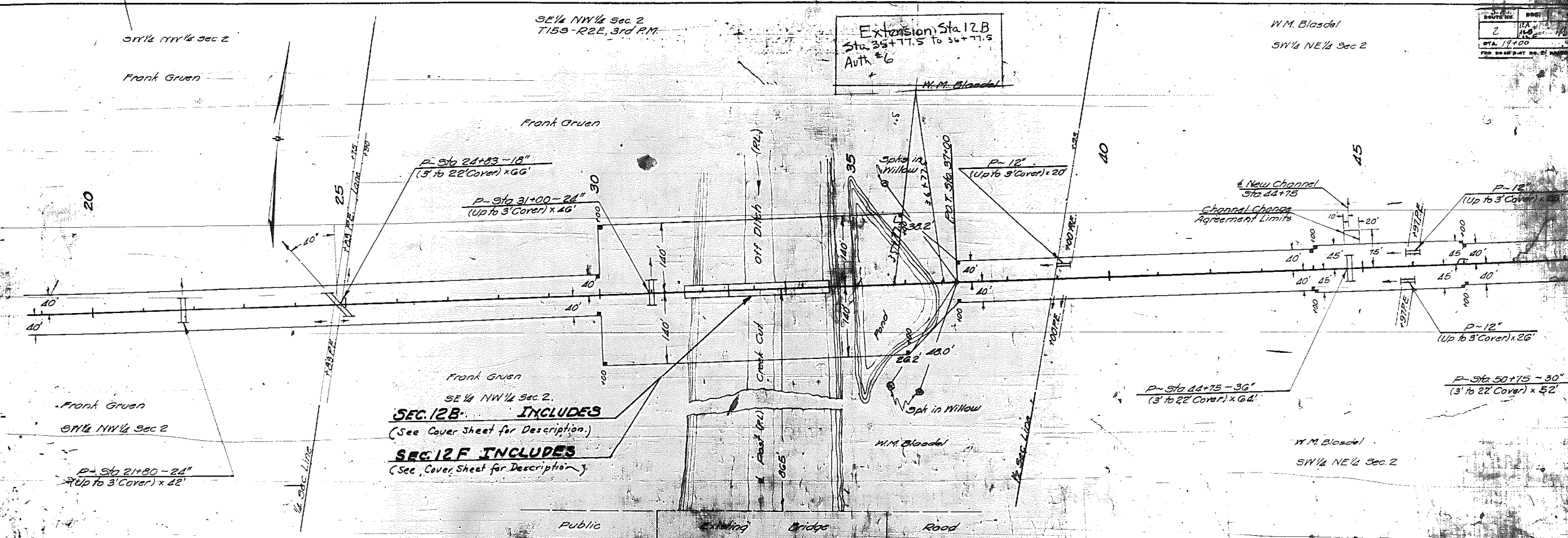


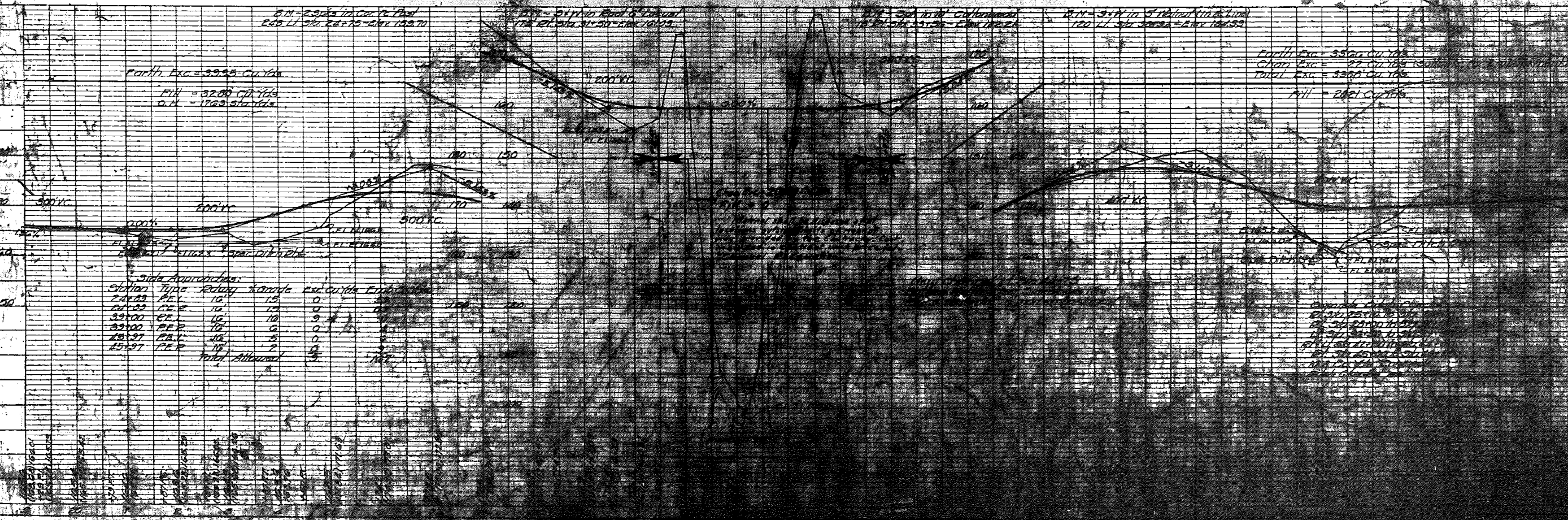
DATE	2
SCALE	1" = 100'
PROJECT	1970
DESIGNER	W.M. Blasdel

Extension Sta 12B  
Sta 35+77.5 to 36+77.5  
Auth #6



SE 1/4 NW 1/4 Sec 2  
**SEC. 12B INCLUDES**  
(See Cover Sheet for Description)  
**SEC. 12F INCLUDES**  
(See Cover Sheet for Description)

Public Existing Bridge Road

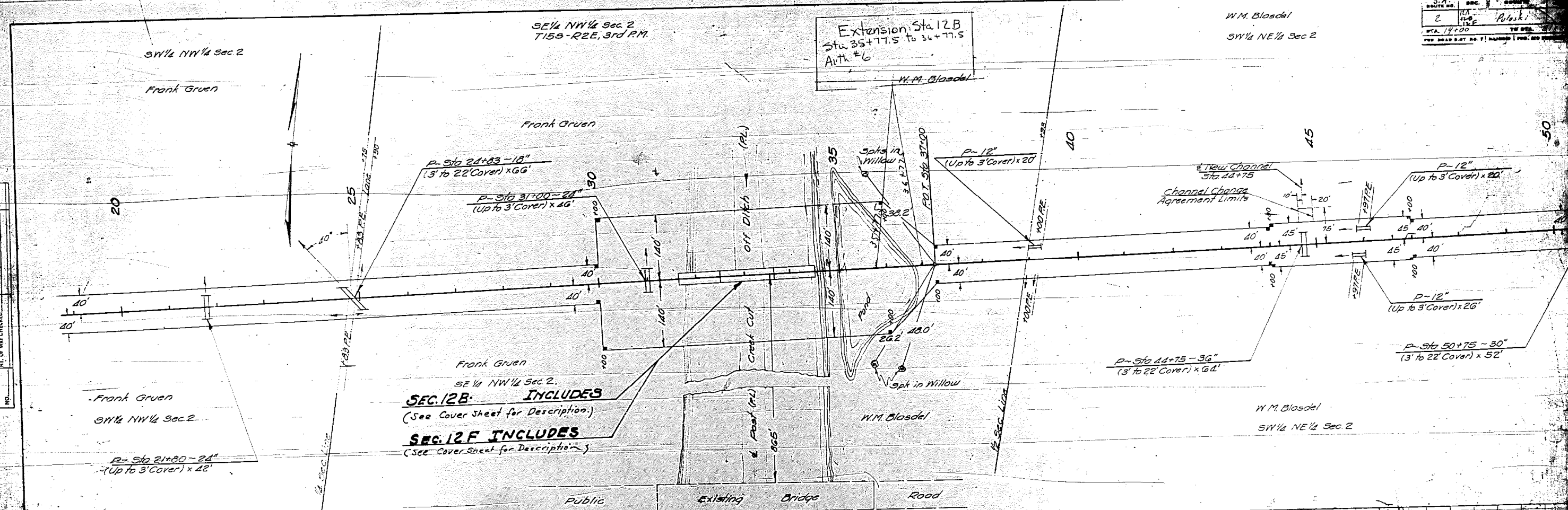


DATE  
SCALE  
PROJECT  
DESIGNER

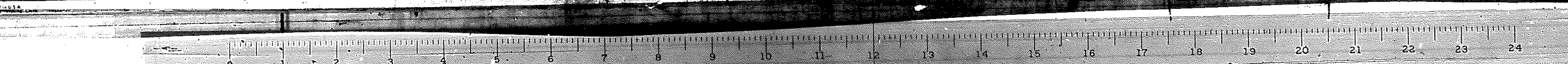
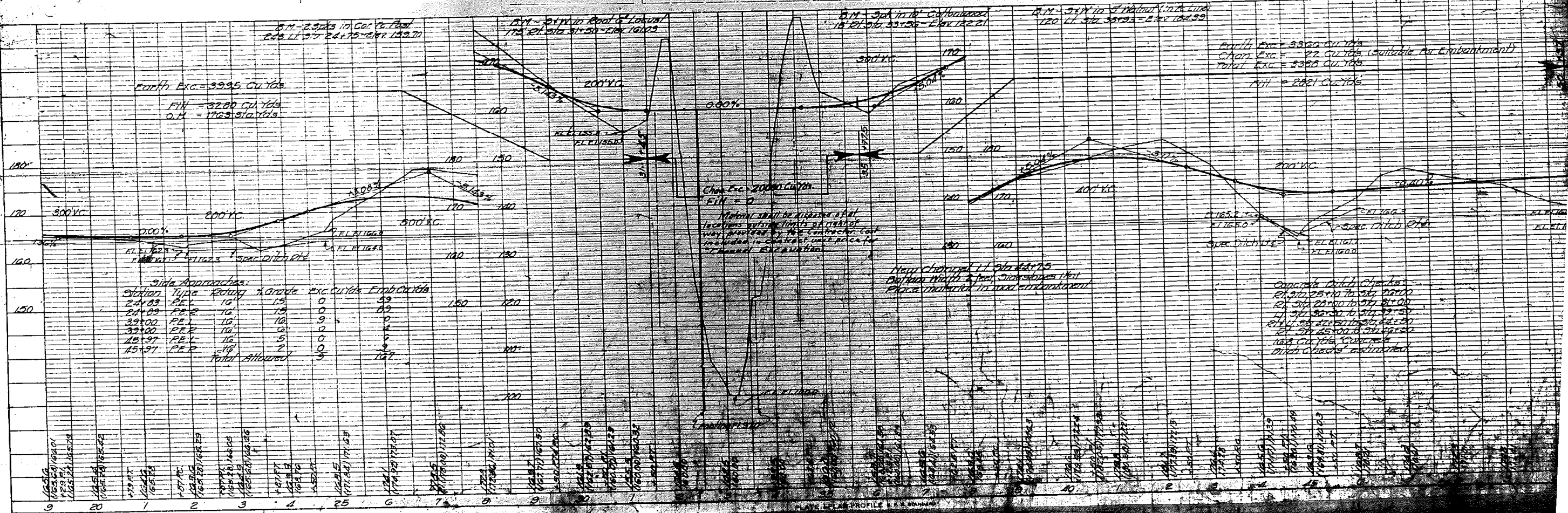
DATE  
SCALE  
PROJECT  
DESIGNER

DATE  
 DRAWN BY  
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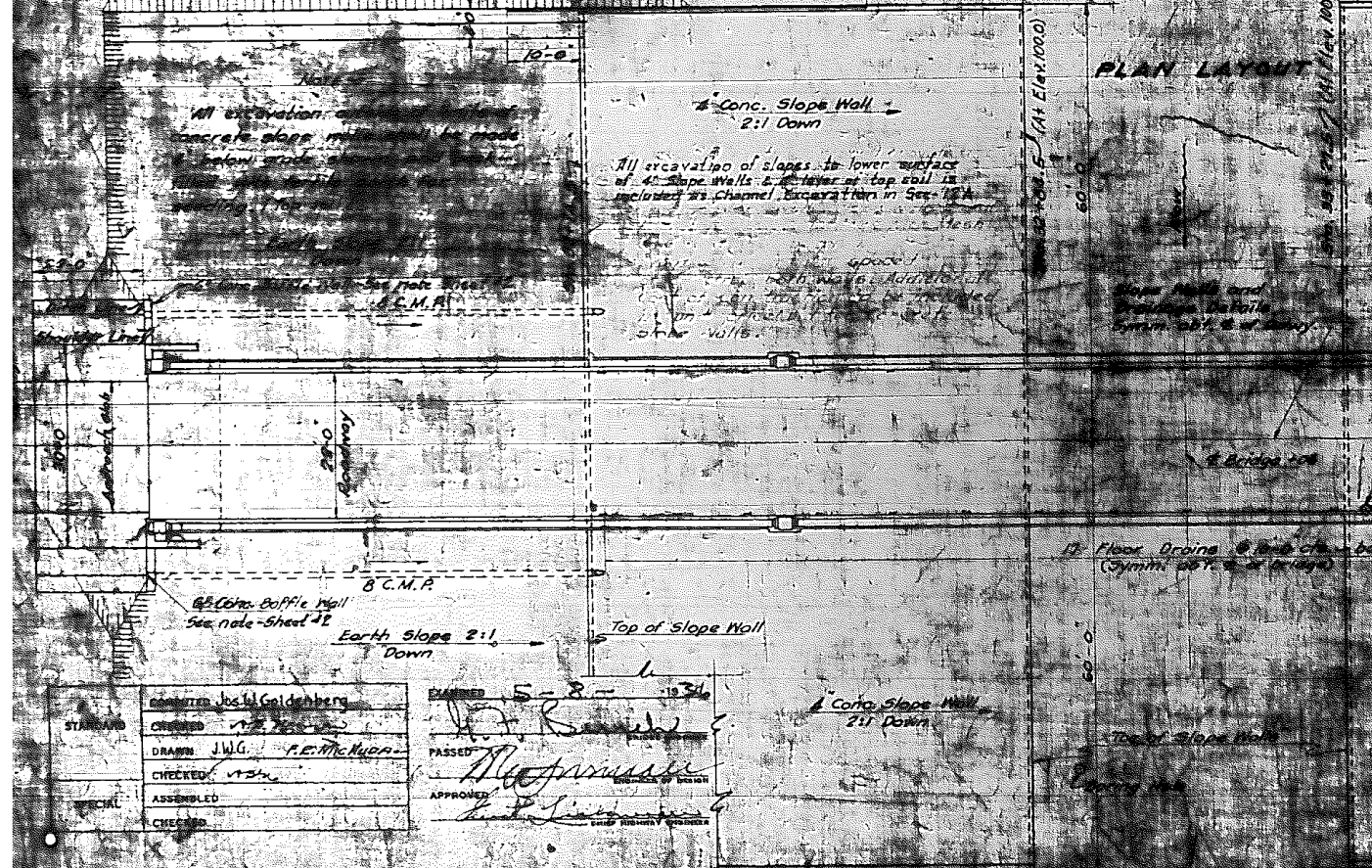
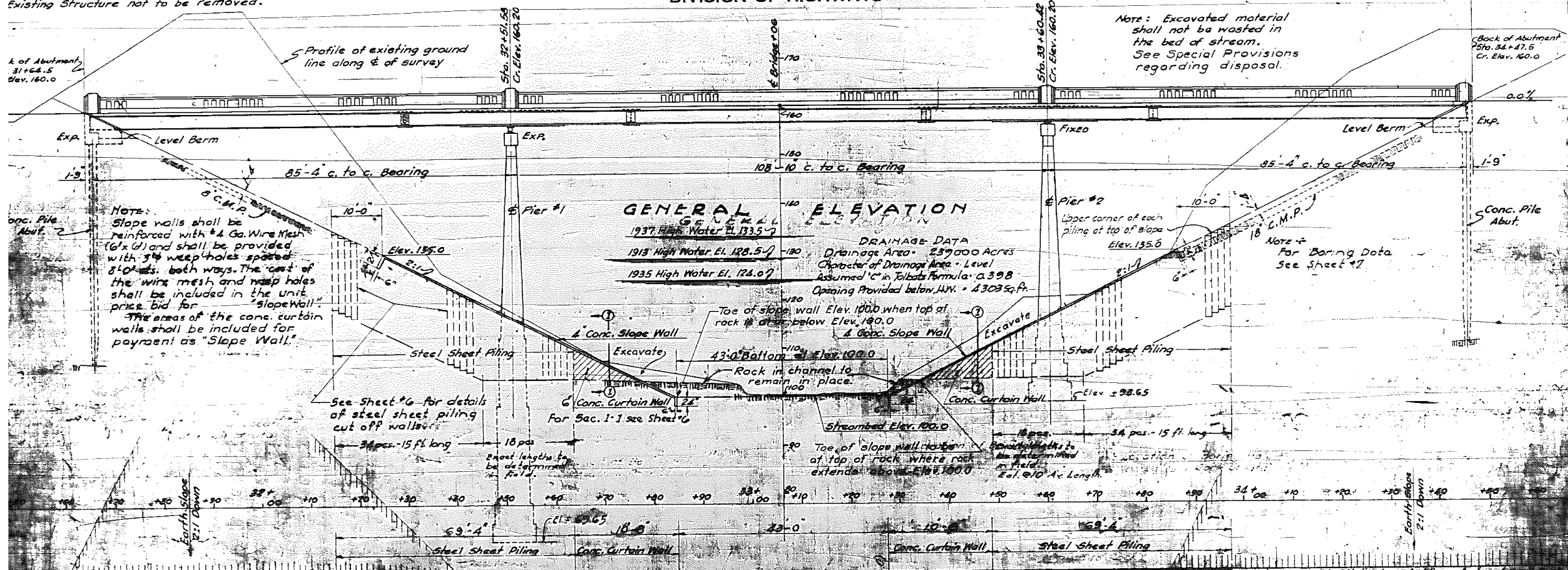
SE 1/4 NW 1/4 Sec. 2.  
**SEC. 12B INCLUDES**  
 (See Cover Sheet for Description.)  
**SEC. 12F INCLUDES**  
 (See Cover Sheet for Description.)



M. S. & W. in Root of 6 Locust 175 Ft. Sta. 31+50 - Elev. 161.03 - El. 365.47 U.S.G.S.  
 3. M. Spike in 10 Cottonwood 15 Ft. Sta. 33+56 - Elev. 122.21 - El. 376.65 U.S.G.S.  
 2. Spike in 5 Walnut on Fence Line 120 Ft. Sta. 38+93 - Elev. 164.39 - El. 388.83 U.S.G.S.  
 Existing Structure not to be removed.

STATE OF ILLINOIS  
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
 DIVISION OF HIGHWAYS

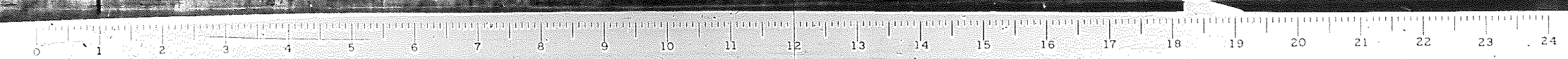
DESIGN NO.	PROJECT	COUNTY	DATE	SHEET NO.
S. A. 12.8	13F	Pulaski	129	18
SHEET NO. 1 7 SHEETS				



**SUMMARY OF QUANTITIES**

Item	Quantity	Unit	Item	Quantity	Unit
Excavation	12,000	Cu. Yds.	Handrail Concrete	600	Sq. Yds.
Earth Retention	2,000	Sq. Yds.	Structural Steel	2,000	Lbs.
Slope Wall	2,250	Sq. Yds.	Floor Drains	24	Each
Steel Sheet Piling	2,500	Lbs.	Form Plates	1	Each
Conc. Curtain Wall	2,500	Sq. Yds.	1/2" G. Reinforcement	24	Lbs.
Steel Sheet Piling	2,500	Lbs.	1/2" Paved Ditch	24	Lbs.
Conc. Slope Wall	2,250	Sq. Yds.	6" Concrete Baffle Wall	24	Lbs.
Steel Sheet Piling	2,500	Lbs.	18 C.M.P.		

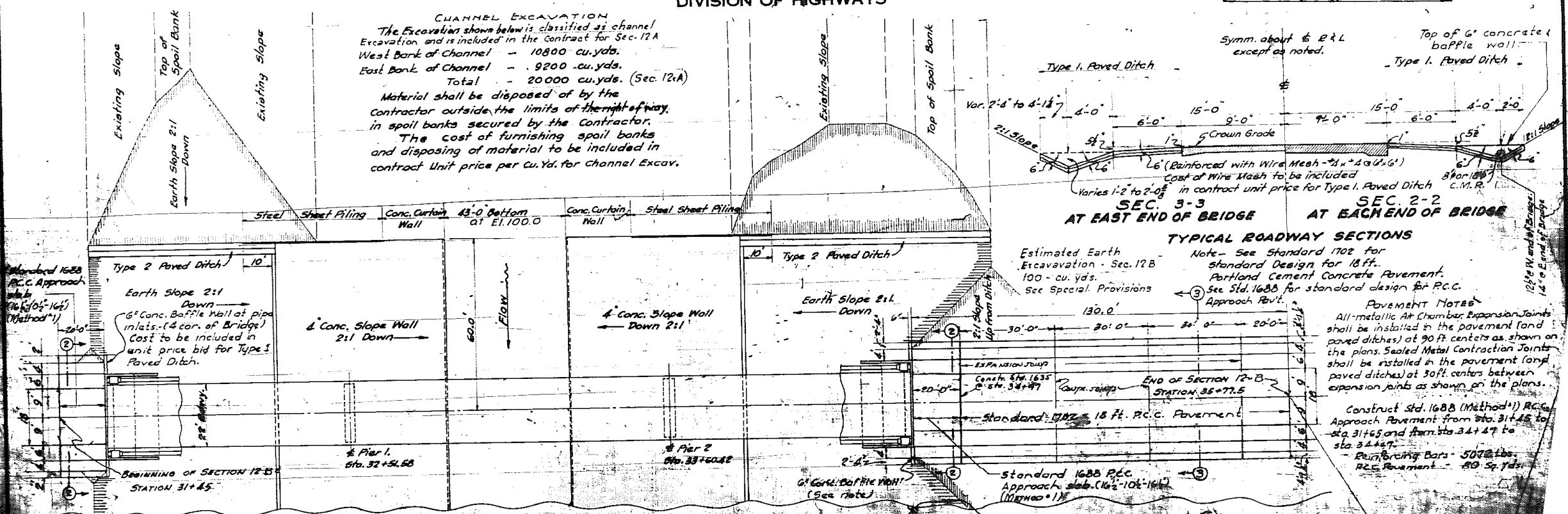
DESIGNED	J. Goldenberg	EXAMINED	S. R. 1936
CHECKED	J. W. G.	DRAWN	J. W. G.
CHECKED	J. W. G.	APPROVED	[Signature]



STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

ROAD DISTRICT NO.	SECTION	COUNTY	MILE POSTS	SHEET NO.
5 A	12 B	Polaski	29	19
SHEETS				
7 SHEETS				

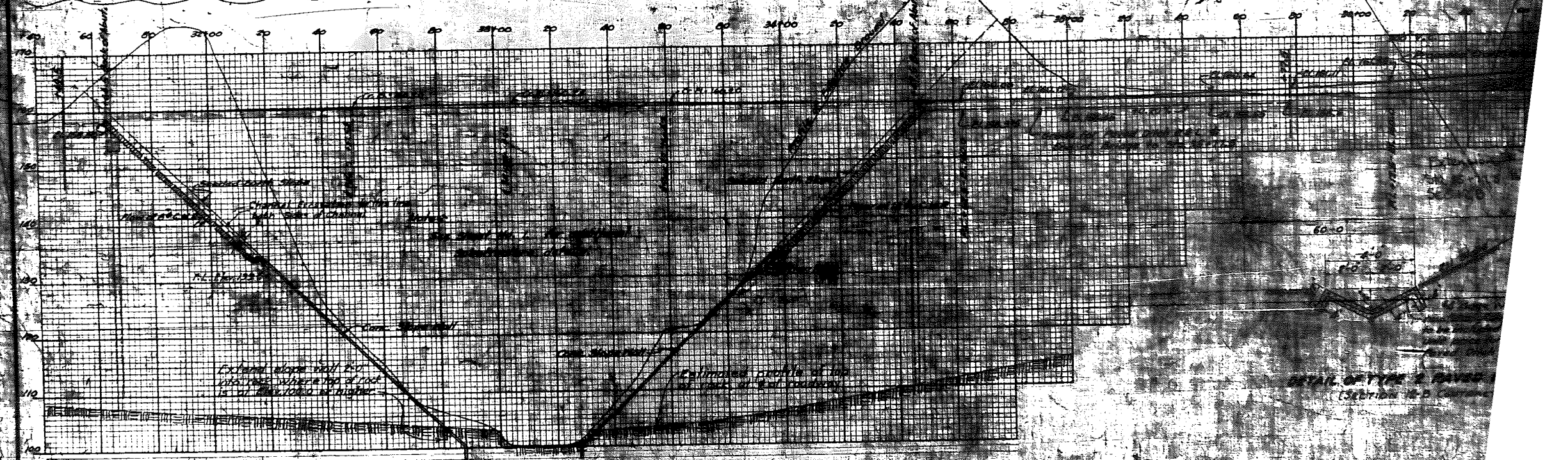
**CHANNEL EXCAVATION**  
The Excavation shown below is classified as channel Excavation and is included in the Contract for Sec. 12A  
West Bank of Channel - 10800 cu.yds.  
East Bank of Channel - 9200 cu.yds.  
Total - 20000 cu.yds. (Sec. 12A)  
Material shall be disposed of by the Contractor outside the limits of the right-of-way, in spoil banks secured by the Contractor.  
The cost of furnishing spoil banks and disposing of material to be included in contract Unit price per Cu.Yd. for Channel Excav.



SEC. 3-3 AT EAST END OF BRIDGE  
SEC. 2-2 AT EACH END OF BRIDGE

**TYPICAL ROADWAY SECTIONS**

Estimated Earth Excavation - Sec. 12B 100 cu. yds. See Special Provisions  
Note - See Standard 1702 for Standard Design for 18 ft. Portland Cement Concrete Pavement. See Std. 1688 for standard design for P.C.C. Approach Pavt.  
Pavement Notes:  
All metallic Air Chamber Expansion Joints shall be installed in the pavement (and paved ditches) at 90 ft centers as shown on the plans. Sealed Metal Contraction Joints shall be installed in the pavement (and paved ditches) at 30 ft centers between expansion joints as shown on the plans.  
Construct Std. 1688 (Method 1) P.C.C. Approach Pavement from Sta. 31+45 to Sta. 31+65 and from Sta. 34+47 to Sta. 34+67.  
Reinforcing Bars - 50# @ 18" P.C.C. Pavement - 40 Sq. Yds.



Extend toe of slope wall to Elev. 98.0 where top of rock is at or below Elev. 100.0

STANDARD	COMPUTED	Joe W. Goldenberg	DRAWN	J.W.G.	CHECKED	J.W.G.
	CHECKED	J.W.G.		CHECKED		J.W.G.
SPECIAL	ASSEMBLED		CHECKED			
	CHECKED			CHECKED		

**QUANTITIES FOR DRAINAGE DETAILS**

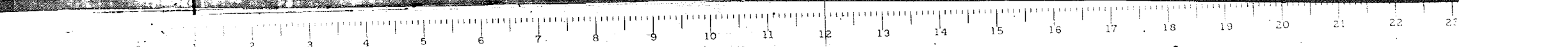
Type 1 Paved Ditch	300
Type 2 Paved Ditch	300
6" C.M.R.	175
18" C.M.R.	125

**PLAN & PROFILE OF DRAINAGE DETAIL**

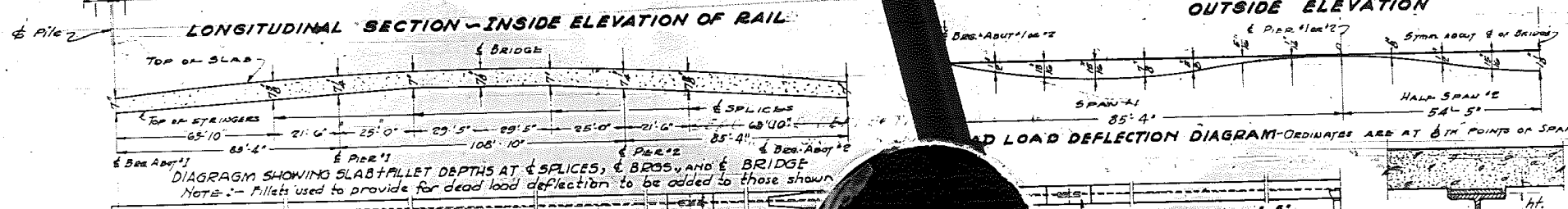
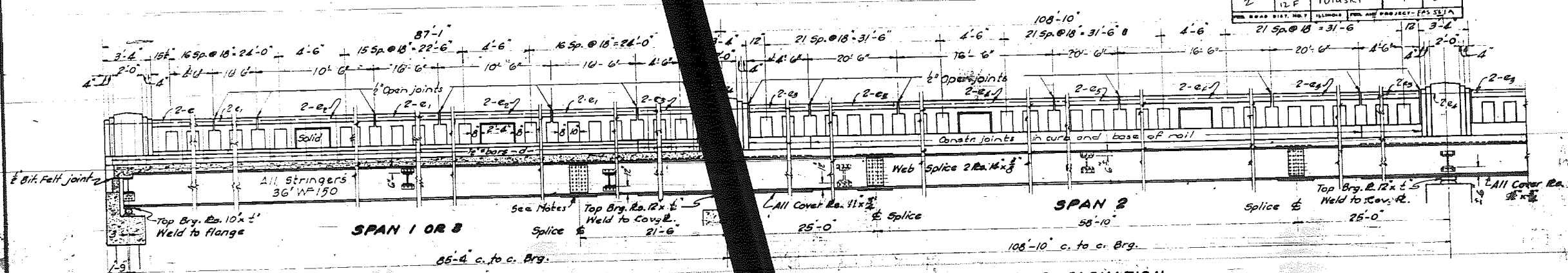
POST CREEK CUT-OFF  
R.R. PROJECT 504  
16.2 MILES SECTION  
PULLMAN COUNTY  
STATION 35+00

Standard 1688 P.C.C. Approach (Method 1)

L.A.W. 1936



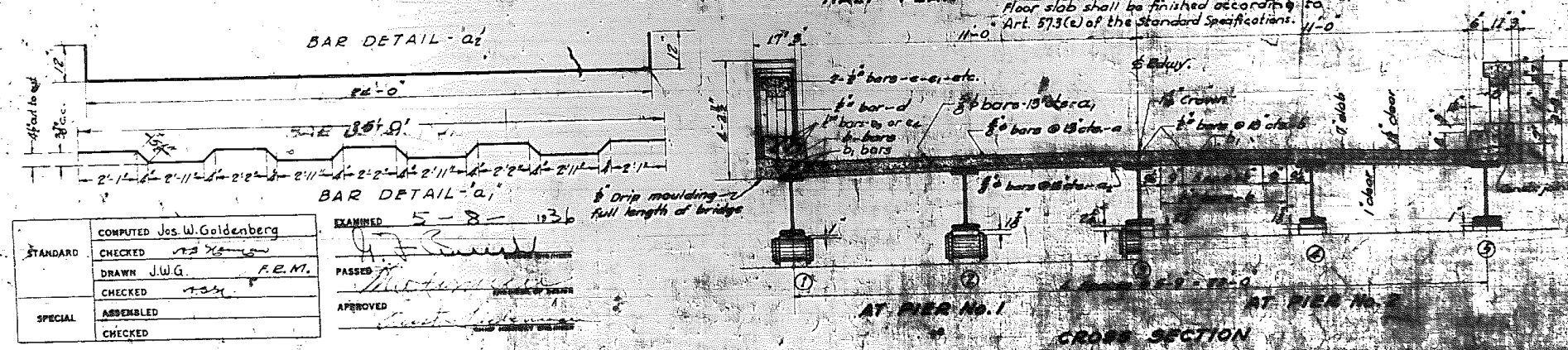
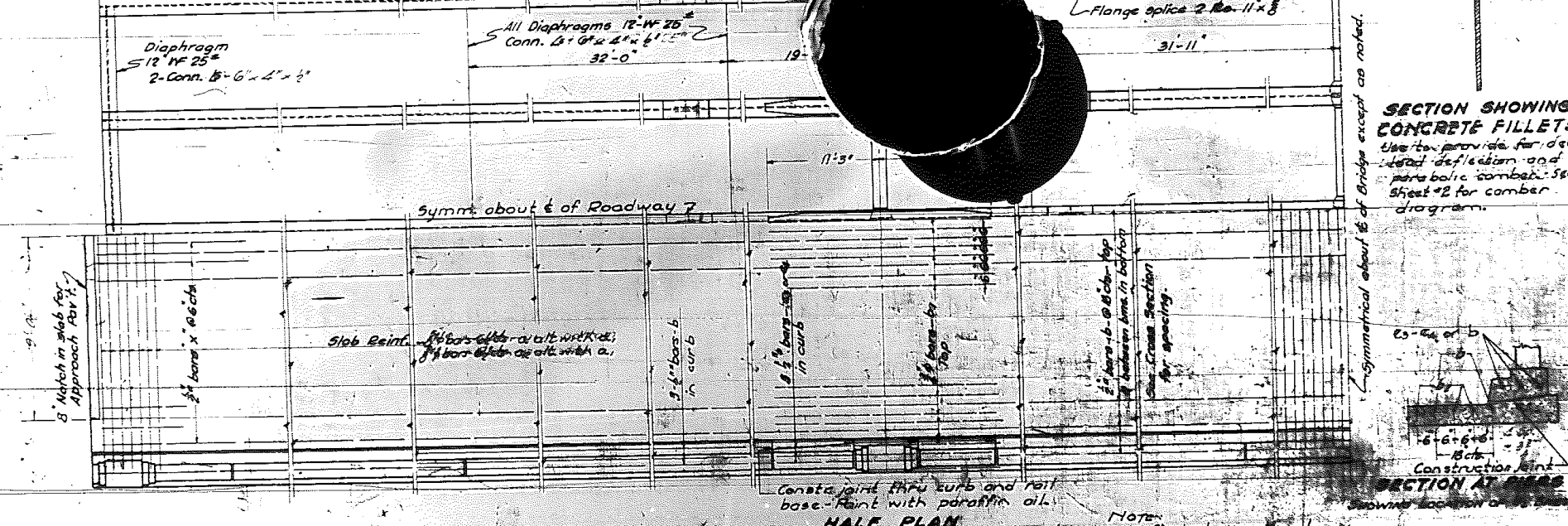
SECTION	COUNTY	POST MILE	STATION
S.A. 12 B	Pulaski	29	20
12 F			
ILLINOIS ROAD DIST. NO. 7			
21 Sp. @ 18' = 31'-6"		18'-3'-6"	



**SUPERSTRUCTURE BILL OF MATERIAL**

BAR	NO.	SIZE	LENGTH
a	261	3/8"	28'-0"
a1	261	3/8"	26'-0"
a2	261	3/8"	26'-0"
b	580	3/8"	29'-3"
b1	624	3/8"	24'-0"
d	106	3/8"	3'-0"
e	8	3/8"	8'-5"
e1	26	3/8"	10'-3"
e2	16	3/8"	10'-3"
e3	10	3/8"	5'-3"
e4	20	3/8"	3'-0"
e5	12	3/8"	20'-5"
x	88	3/8"	3'-3"

Handrail Concrete - Cu. Yds. 70.9  
Class X Concrete - Cu. Yds. 180.4  
Reinforcing Steel - Lbs. 2,200.0  
Structural Steel - Lbs. 1,800.0  
C. I. Floor Drains - Nos. 24  
Noise Plate - Nos. 1



**SECTION SHOWING CONCRETE FILLETS.**  
Use to provide for dead load deflection and parabolic camber. See Sheet #2 for camber diagram.

**GENERAL NOTES**

Class X Concrete shall be used throughout. Reinforcement bars shall be placed and fastened according to the Standard Specifications for Highway Bridges, Illinois, 1930, and the Standard Specifications for Highway Bridges, Illinois, 1935, where they conflict with the above. Shop connections shall be welded except for diaphragms. Diaphragms shall be placed before setting concrete and shall be braced against lateral movement. Specifications for Arc Welding Steel Bridges Structures - A. A. S. H. C. shall be used. All steel shall be finished according to the Standard Specifications for Highway Bridges, Illinois, 1930, and the Standard Specifications for Highway Bridges, Illinois, 1935, where they conflict with the above. All steel shall be finished according to the Standard Specifications for Highway Bridges, Illinois, 1930, and the Standard Specifications for Highway Bridges, Illinois, 1935, where they conflict with the above. All steel shall be finished according to the Standard Specifications for Highway Bridges, Illinois, 1930, and the Standard Specifications for Highway Bridges, Illinois, 1935, where they conflict with the above.

COMPUTED	Jos. W. Goldenberg
CHECKED	J. W. G.
DRAWN	J. W. G.
CHECKED	J. W. G.
SPECIAL	ASSEMBLED
	CHECKED

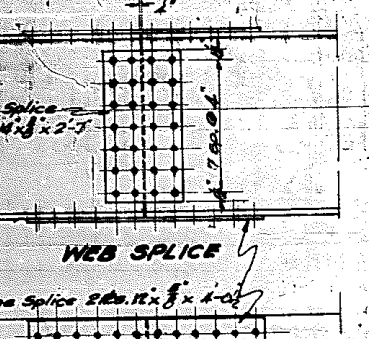
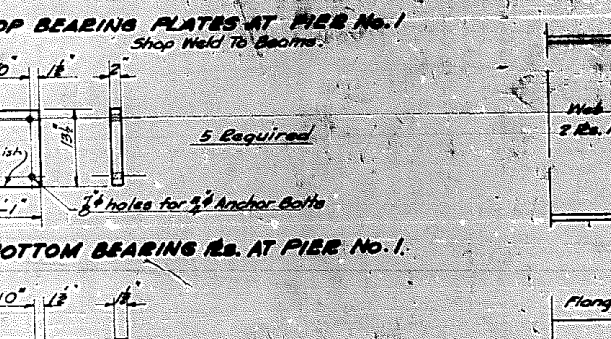
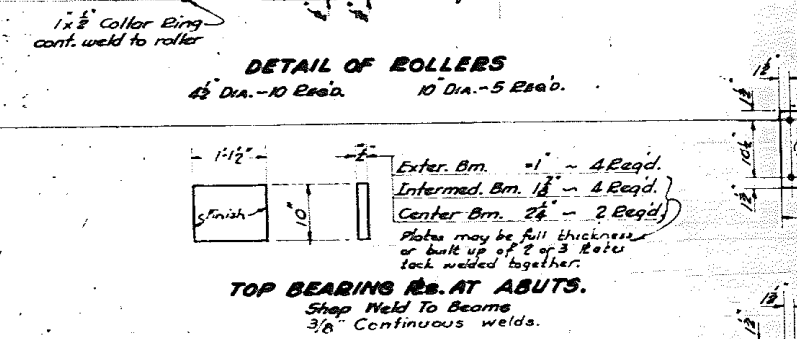
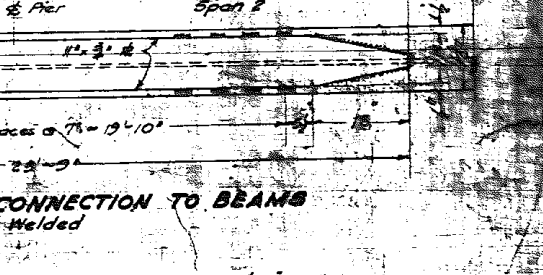
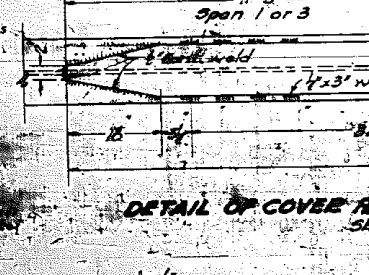
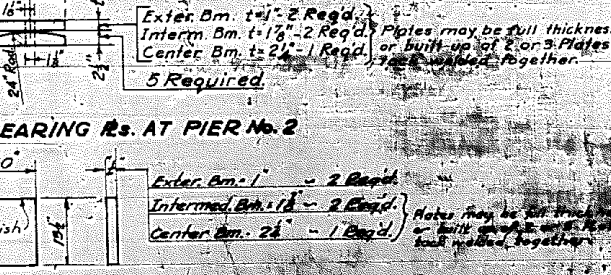
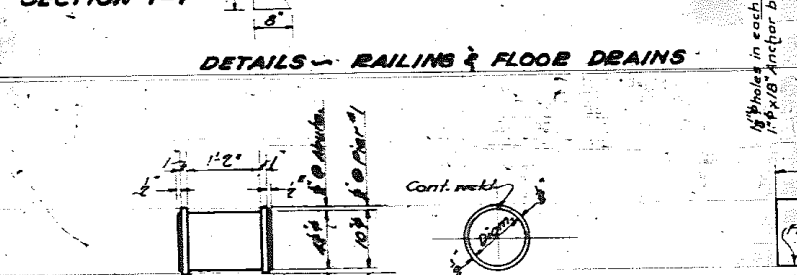
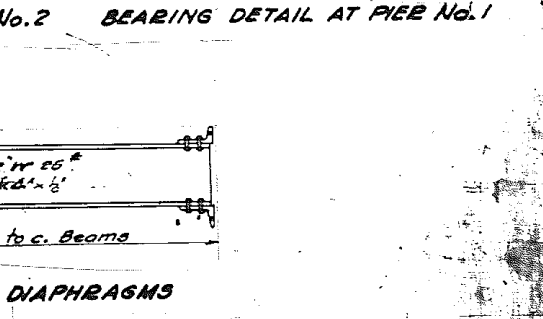
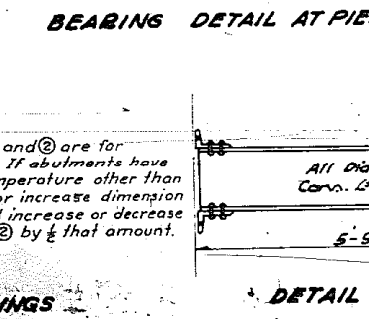
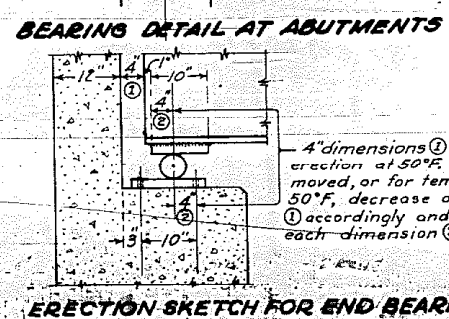
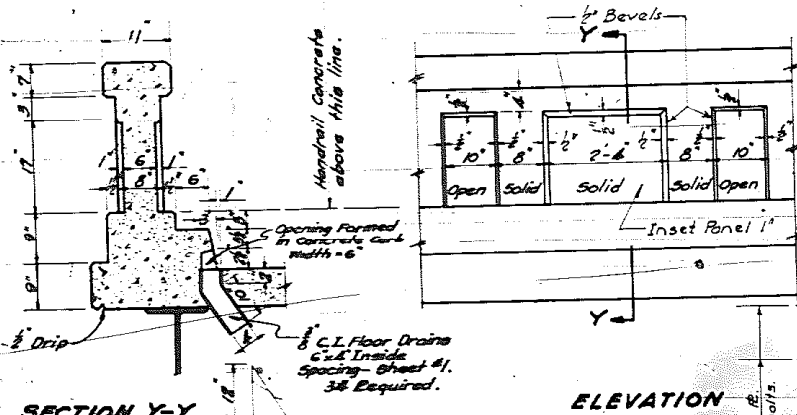
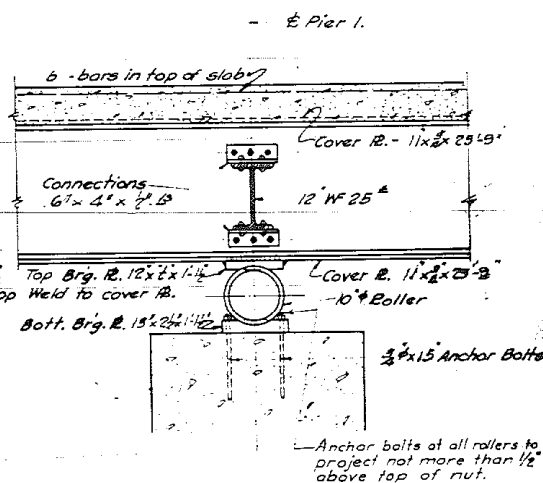
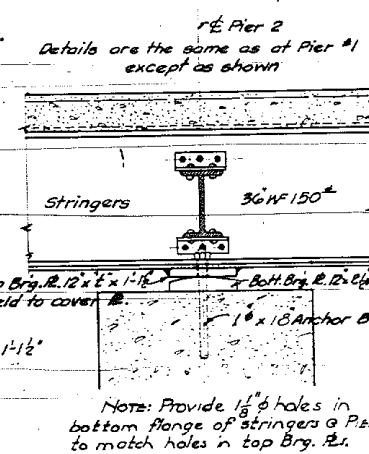
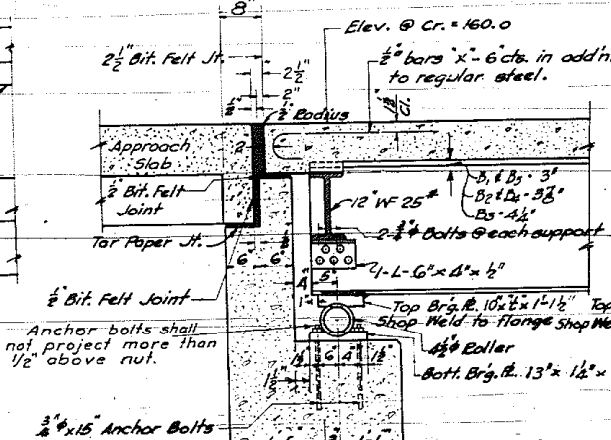
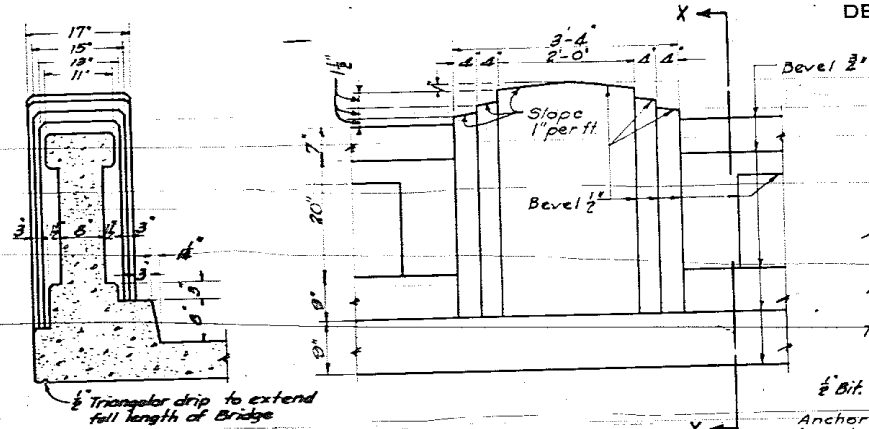
AT PIER NO. 1  
AT PIER NO. 2  
GROSS SECTION



STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

ROAD ISSUE	SECTION	COUNTY	DATE	POST
3 A	12 B	Pulaski	29	21
2	12 F			

SHEET NO. 4  
7 SHEETS



NOTE:  
The floor slab shall preferably be poured in one continuous operation. If a construction joint is used, it shall be placed approx. at the  $\frac{1}{2}$  of a beam splice as directed by the Engineer. Splices in spans 1 & 3 may be made in field before erection, if desired.  
Rivet bolts shall be made of steel complying with the following specifications:  
Carbon 0.18% to 0.24%  
Manganese 0.75% to 1.00%  
Ultimate strength not less than 70,000 lbs. per inch.

STANDARD	COMPUTED	DESIGNED	EXAMINED	PASSED	APPROVED
	Jos W. Goldenberg				
	Checked	J.W.G. F.E.M.			
	Checked	J.W.G.			
SPECIAL	Assembled				
	Checked				

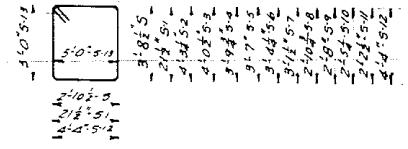
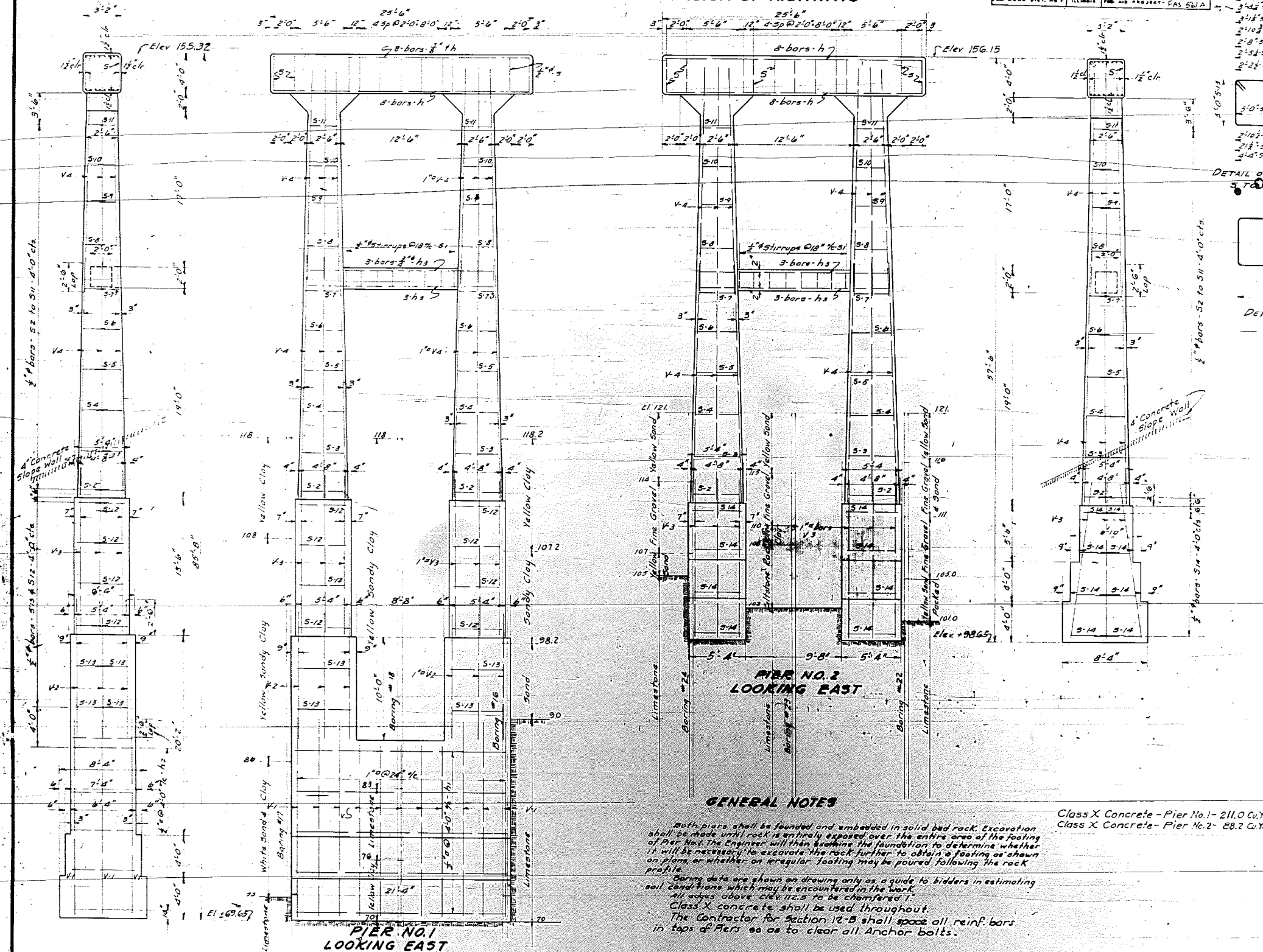
EXAMINED 5-8-1936  
PASSED  
APPROVED

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

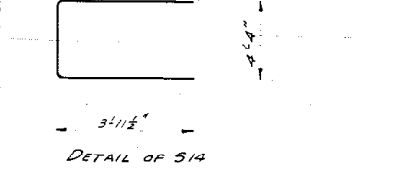
ROUTE NO.	SECTION	COUNTY	PIERS	SHEETS
5 A.	12 B	Pulaski	29	22
R.T. 2	12 F	ILLINOIS	FOR AID PROJECT - FAS 561A	

SHEET NO. 5  
7 SHEETS

B.M. 54 W in Root of a Lucas-  
115' E of Sta 31+50 Elev 161.03  
T.B.M. Spike in 10' Cottonwood 15'  
Elev Sta 33+50 E 1122.21



DETAIL OF STIRRUPS  
3/8\"/>



DETAIL OF S14  
3/16\"/>

2 PIERS  
TOTAL BILL OF MATERIAL

NO.	QTY	SIZE	LENGTH
h	32	3/8"	25'0"
h1	10	3/8"	20'9"
h2	10	3/8"	6'0"
h3	12	3/8"	16'4"
v	10	1"	17'9"
v1	14	1"	20'4"
v2	16	1"	12'4"
v3	32	1"	16'0"
v4	64	1"	22'6"
s	22	3/8"	16'0"
s1	16	3/8"	8'0"
s2	4	3/8"	17'9"
s3	8	3/8"	17'0"
s4	4	3/8"	16'0"
s5	4	3/8"	15'0"
s6	4	3/8"	14'3"
s7	4	3/8"	13'3"
s8	4	3/8"	12'5"
s9	4	3/8"	11'6"
s10	4	3/8"	10'6"
s11	4	3/8"	9'6"
s12	8	3/8"	18'0"
s13	4	3/8"	20'9"
s14	16	3/8"	12'3"

Class X Concrete - Pier No. 1 - 211.0 Cu Yds  
Class X Concrete - Pier No. 2 - 88.2 Cu Yds  
Class X Concrete Cu Yds 299.2  
Reinforcing Steel Lbs 12000

GENERAL NOTES

Both piers shall be founded and embedded in solid bed rock. Excavation shall be made until rock is entirely exposed over the entire area of the footing of Pier No. 1. The Engineer will then examine the foundation to determine whether it will be necessary to excavate the rock further to obtain a footing as shown on plans, or whether an irregular footing may be poured following the rock profile.  
Boring data are shown on drawing only as a guide to bidders in estimating soil conditions which may be encountered in the work.  
All edges above elev 12.5 to be chamfered 1".  
Class X concrete shall be used throughout.  
The Contractor for Section 12-B shall space all reinf. bars in tops of Piers so as to clear all Anchor bolts.

STANDARD	COMPUTED	BY	J. J. HANCOCK
	CHECKED	BY	M. P. SUPREK
	DRAWN	BY	A. J. M. HINGSTON
	CHECKED	BY	M. P. S.
SPECIAL	ASSEMBLED	BY	
	CHECKED	BY	

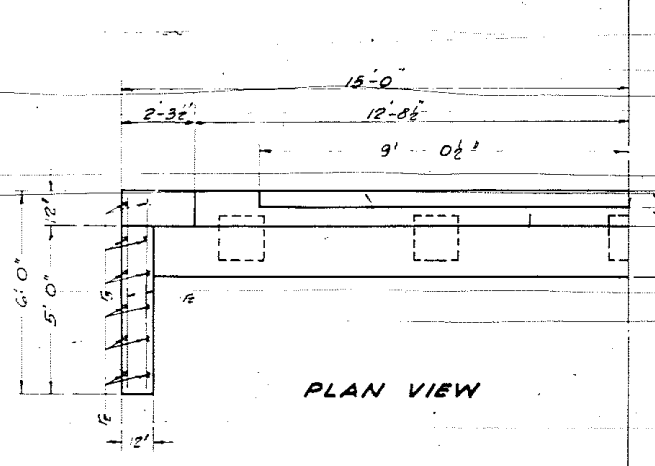
EXAMINED	BY	J. J. HANCOCK	19 21
PASSED	BY		
APPROVED	BY		

POST CREEK CUT-OFF BRIDGE  
F.A.S. PROJECT 561A  
S.A. RTE 2 SECTION 12-B  
PULASKI COUNTY  
STATION 33+06

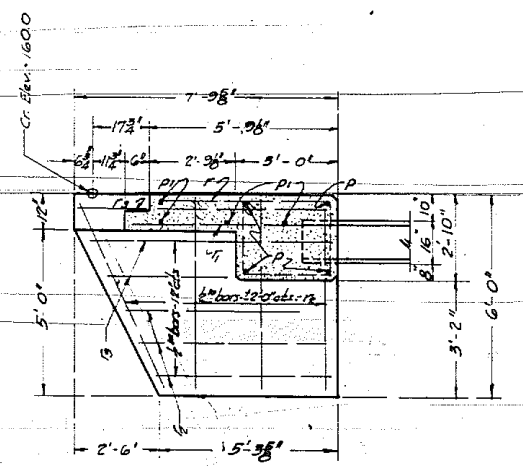


STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

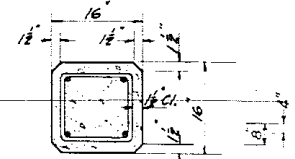
SECTION	CONTRACT	SHEET NO.	TOTAL SHEETS
12-B	Polaski	29	23



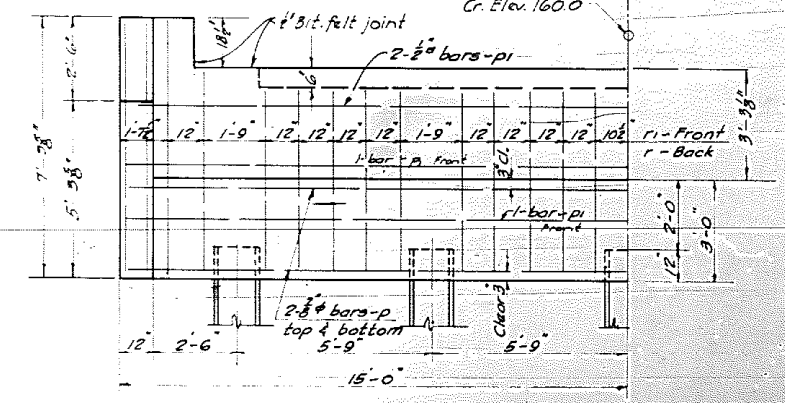
PLAN VIEW



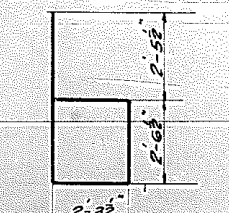
SECTION A-A



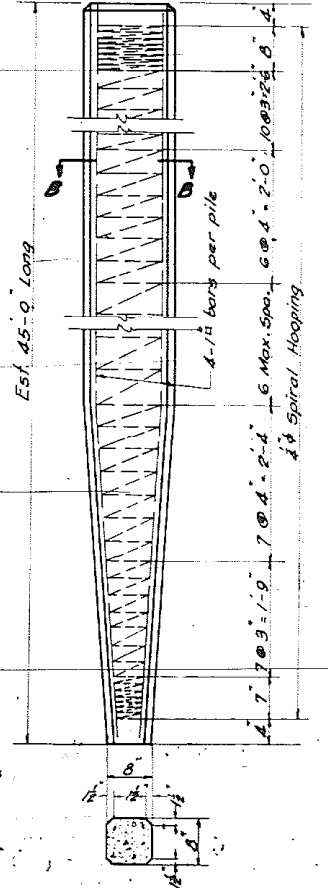
SECTION B-B



HALF-ELEVATION-ABUTMENT

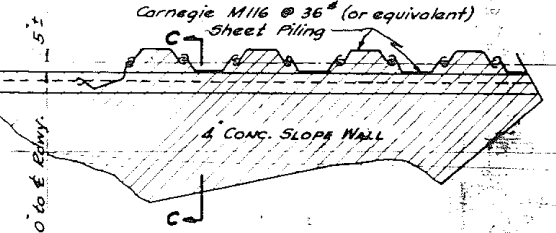


DETAIL OF BAR 1



DETAIL OF CONCRETE PILE

35 TON CAPACITY MINIMUM  
5 Req'd. for Each Abutment.  
All Piles to be driven to rock.



SECTION C-C

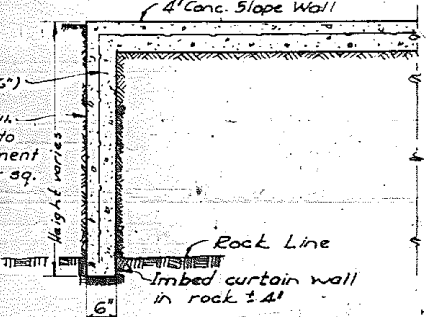
DETAIL OF SHEET PILING

**NOTES**  
Steel sheet piling shall be driven to depths determined by the Engineer.  
Carnegie M16 #36 or equivalent sheet steel piling shall be used.  
Tops of the sheet piling shall be set to slope of the slope wall at the surface of the concrete.  
The steel sheet piling shall be driven with joints interlocking and alternate webs in and out.

**Note:**  
The Section 12-B contractor shall drive two R.C. test piles as directed by the Engineer before casting the remainder of the Piling.

**Note:** The contractor for Section 12-B shall space all reinf. bars in Abut. tops so as to clear all Anchor bolts.

4 Ga. Wire mesh (6" x 6")  
4' concrete curtain wall.  
Area of vertical face to be included for payment at the unit price per sq. yd. for slope wall.



SECTION 3-3

BILL OF MATERIALS

NO.	DESCRIPTION	QUANTITY	UNIT	AMOUNT
1	Concrete			
2	Reinforcement			
3	Sheet Piling			
4	Steel Sheet Piling			
5	R.C. Test Piles			

NO.	DESCRIPTION	QUANTITY	UNIT	AMOUNT
6	Class X Concrete			
7	Reinforcement			
8	Concrete Piling			
9	Steel Sheet Piling			
10	R.C. Test Piles			

ORIGINAL TRAC SENT BACK CO. Supt. He did not r. SHEET 7 OF 118

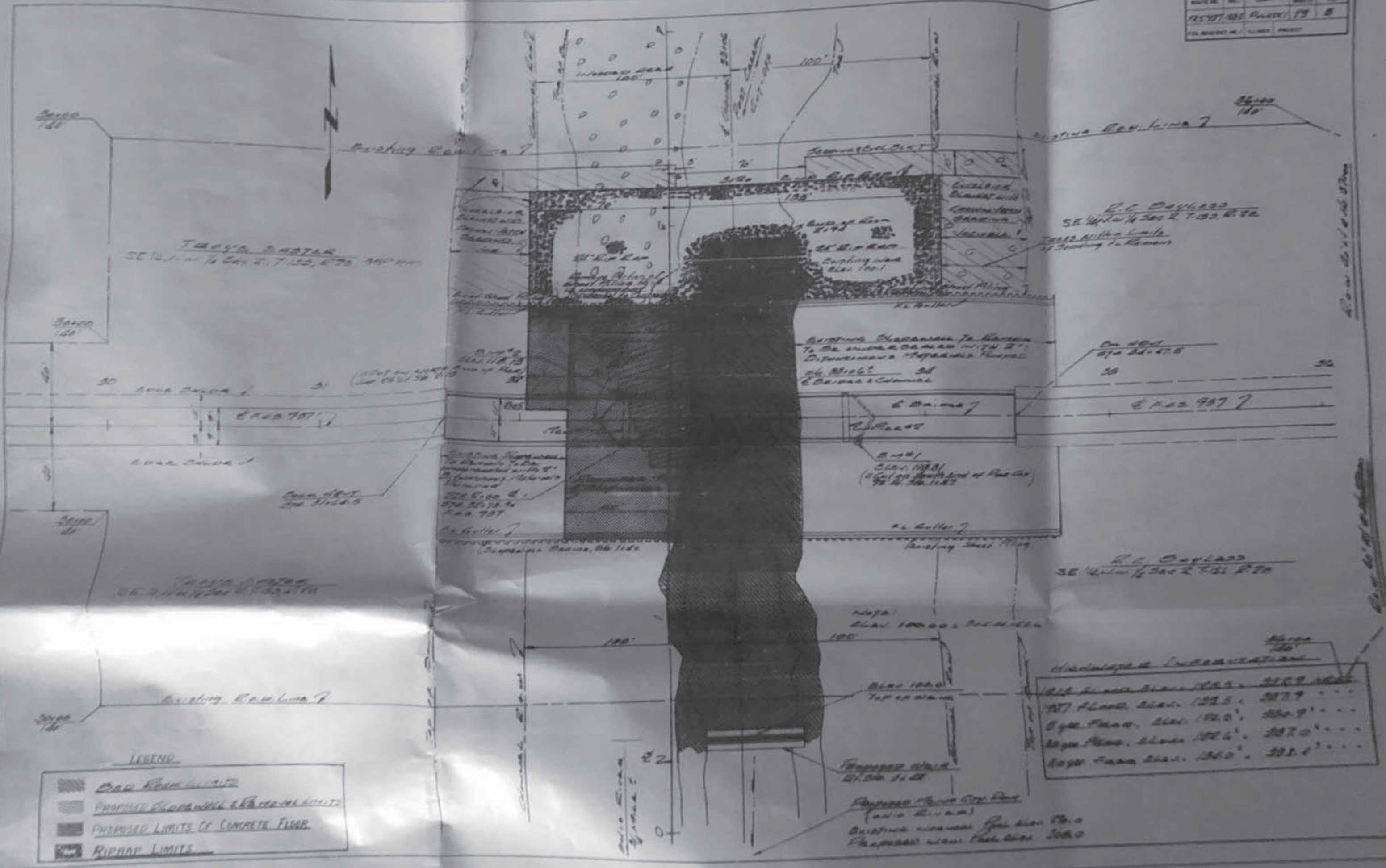
SHEET 7 (BORING IS MISSING SEE PLAN 1-11-6

POST CREEK DIVISION  
S.A. ROUTE 7  
STATIO

COMPUTED	A.S. Hansen	EXAMINED	J.W.G. Ash
CHECKED	Jos W. Goldenberg	PASSED	J.W.G. Ash
DRAWN	A.S. Hansen	APPROVED	J.W.G. Ash
CHECKED	J.W.G. Ash		
ASSEMBLED			
CHECKED			



DATE	NO.	DATE	NO.
12/27/88	105	1/19/89	106
PROJECT		PROJECT	



TRAVIS BOSTER  
SE 1/4 Sec 2, T.155, R.2E

R.C. BAYLASS  
SE 1/4 Sec 2, T.155, R.2E

R.C. BAYLASS  
SE 1/4 Sec 2, T.155, R.2E

LEGEND

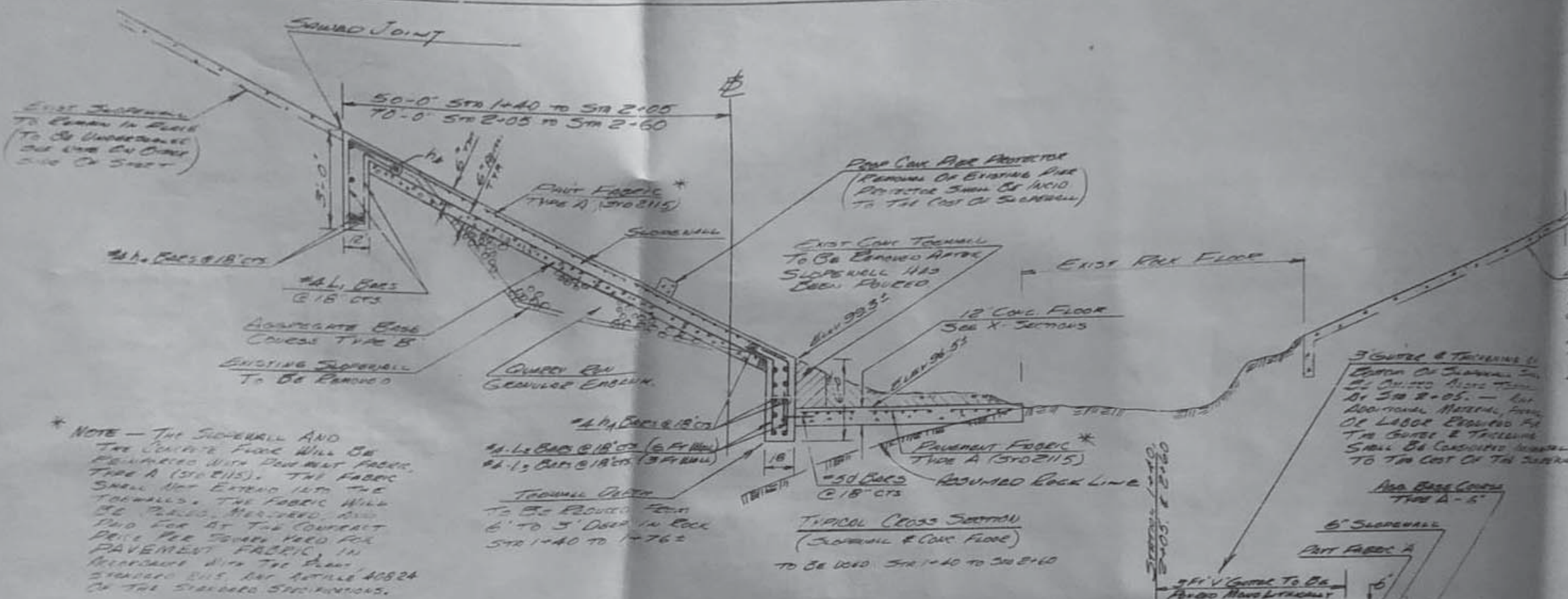
	Proposed Room Line
	Proposed Stairwell & Restroom Limits
	Proposed Limits of Concrete Floor
	Riprap Limits

Hand-drawn Table

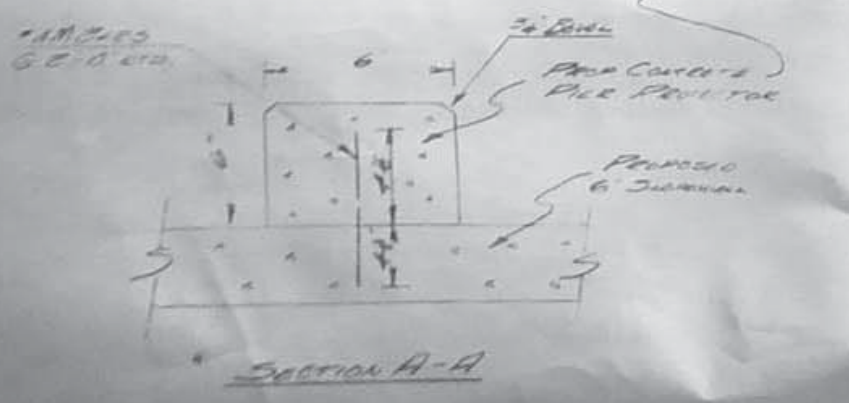
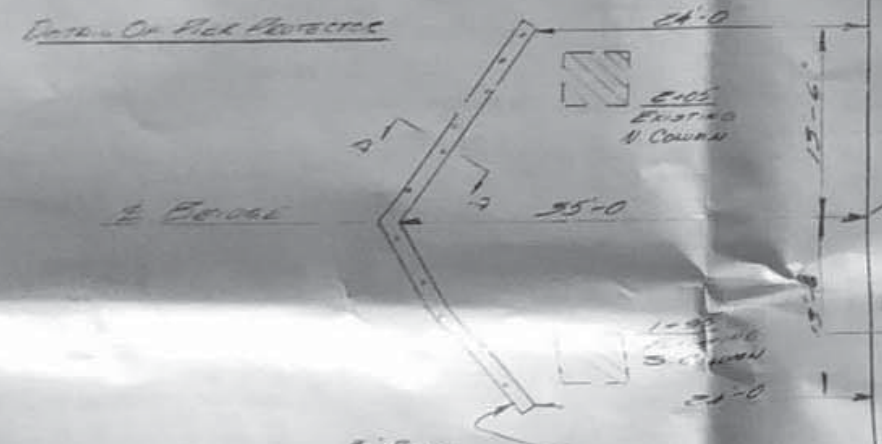
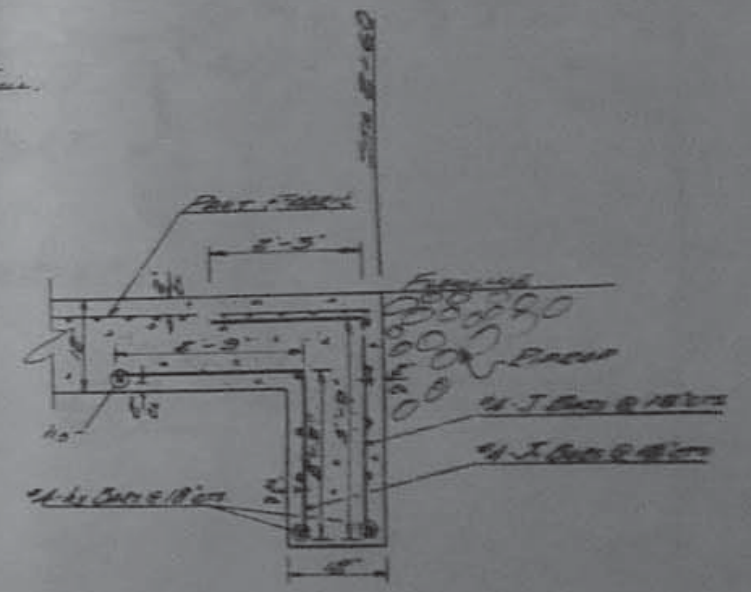
1st Floor	Slab 1000	2000
2nd Floor	Slab 1005	2005
3rd Floor	Slab 1010	2010
4th Floor	Slab 1015	2015

R.C. BAYLASS

R.C. BAYLASS



EXIST. JOINTS TO REMAIN IN PLACE - EXISTING UNDERMINING WILL BE REMOVED UNDER THE CONCRETE FLOOR OF EXISTING JOINTS TO BE IN PLACE. NOTES REFER TO BEING BE SPACED ON 10" CENTER OR AS DIRECTED BY THE ENGINEER. UNDERMINING SHALL BE AT THE LOWER EXTREMITY AND REMOVED UP THE SLOPE.



**TYPICAL CROSS SECTION**  
(JOINT & CONC. FLOOR)  
TO BE USED FROM 1+40 TO 2+10

**Bill Of Materials**  
(SLOPE WALL)

BAR	SIZE	NO.	LENGTH
D	#5	57	5'-0"
H	#4	18	33'-0"
L1	#4	162	4'-6"
L2	#4	114	7'-6"
L3	#4	50	4'-6"
L4	#4	57	7'-3"
L5	#4	56	4'-3"
L6	#4	57	9'-0"
L7	#4	56	6'-0"
M	#4	18	0'-9"
SLOPE WALL	6" CONC.	1195	
PAV. FABRIC	50 YD	1004	
CLASS X CONC.	CU YD	63	
FORM BARS	PLANK	5120	
BRK. EX. FIB. STRUCTURE	CU YD	6.0 (EST)	

**Bill Of Materials**  
(12" CONCRETE FLOOR)

BAR	SIZE	NO.	LENGTH
H	#4	10	15'-0"
J	#4	13	8'-0"
K	#4	13	8'-0"
CLASS X CONC.	CU YD	55.7	
FORM BARS	PLANK	280	
PAV. FABRIC	50 YD	146	
BRK. EX. FIB. STRUCTURE	CU YD	3.0 (EST)	

NOTES: CLASS X CONCRETE SHALL BE USED THROUGHOUT. ALL BARS SHALL BE LAPPED & MEASURED ON END CONNECTION.

FOUNDATION BORINGS

Project: 861-A  
 Route: 3 Sheets  
 Section:  
 County: Pinalaki Bridge: Post-Creek Out-Off  
 Borings Made By: C. A. Peterson

Station	From Elev.	To Elev.	Material Encountered	
			Line "A"	
31/48	147.9	147.9	Yellow Clay - Hard	
on B	147.9	134.9	Sandy yellow clay - firm <i>Plotted</i>	
	134.9	187.9	Packed yellow clay - hard	
#2	127.2	122.9	Sandy Gray clay - hard	
	122.9	115.9	Packed yellow sand	
	115.9	109.2	Packed fine gravel	
	109.2	105.9	Rock	
			Piling O.K. for piling.	
35/80	103.4	83.5	Rock <i>Plotted</i>	
10' rt.				
cen. line				
33/91	102.9	98.9	Rock <i>Plotted</i>	
44' rt.				
cen. line	88.9	84.9	Sandy gray clay - firm	
#8	35/88	164.8	151.8	Yellow Clay hard <i>Not Plotted</i>
125.5 ft.				
cen. line	151.8	139.8	Packed red sand	
	139.8	124.8	Packed yellow sand	
#1	31/45	166.1	151.1	Yellow clay - hard <i>Not Plotted</i>
325' rt.				
cen. line	151.1	131.1	Packed yellow sand	
	131.1	121.1	Packed gray sand	

REMARKS:

Will Piling be required.

FOUNDATION BORINGS

Project:  
 Route:  
 Section:  
 County: Bridge:  
 Borings Made By:

Station	From Elev.	To Elev.	Material Encountered	
	108.8	104.8	Fine gravel	
	104.8	95.8	Packed yellow sand	
	95.8	80.8	Gray clay - firm	
#11			Line "A"	
36/74	155.2	143.2	Yellow Clay - hard	
on cen.	143.2	133.2	Sandy gray clay	
line	133.2	115.2	Yellow sand <i>Not Plotted</i>	
	115.2	97.2	Gray clay - firm	
	97.2	93.2	Rock	
	93.2	85.2	Gray clay	
			O.K. for piling on this hole	
#9	30/00	161.9	145.9	Yellow clay <i>Not Plotted</i>
on cen.	145.9	98.9	Yellow sand	
line	98.9	95.9	Gray clay	
	95.9	81.9	Yellow sand	
			O.K. for piling	
#10	33/78	128.0	110.0	Yellow Clay <i>Plotted</i>
16' rt.	110.0	104.3	Stony clay	
cen. line	104.3	92.0	Rock	
			No Piling	
#7	35/00	185.0	157.0	Yellow Clay - hard
300' rt.	157.0	140.0	Packed red sand <i>Not Plotted</i>	
cen. line	140.0	120.0	Packed yellow sand	
	120.0	107.0	Fine gray sand	
	107.0	95.0	Gray clay - soft	

REMARKS:

Will Piling be required.

FOUNDATION BORINGS

Project:  
 Route: 3 Sheets  
 Section:  
 County: Bridge:  
 Borings Made By:

Station	From Elev.	To Elev.	Material Encountered	
	121.1	107.1	Packed yellow sand	
	107.1	104.1	Rock	
	104.1	88.1	Fine yellow sand	
<del>52/12</del>	<del>141.0</del>	<del>131.0</del>	<del>Yellow Clay - firm</del>	
<del>on cen.</del>	<del>131.0</del>	<del>125.0</del>	<del>Gray clay - firm</del>	
<del>line</del>	<del>125.0</del>	<del>111.0</del>	<del>Yellow clay - soft</del>	
<del></del>	<del></del>	<del></del>	<del>Piling O.K.</del>	
<del>57/34</del>	<del>142.2</del>	<del>133.3</del>	<del>Yellow Clay - hard</del>	
<del>20' ft.</del>	<del>133.3</del>	<del>126.3</del>	<del>Gray Clay - firm</del>	
<del>cen. line</del>	<del>126.3</del>	<del>93.3</del>	<del>Yellow Clay - firm</del>	
<del></del>	<del>93.3</del>	<del>82.3</del>	<del>Fine Gravel</del>	
<del></del>	<del></del>	<del></del>	<del>Piling O.K.</del>	
<del>59/72</del>	<del>140.8</del>	<del>131.5</del>	<del>Yellow Clay - hard</del>	
<del></del>	<del>131.5</del>	<del>126.5</del>	<del>Gray Clay - hard</del>	
<del></del>	<del>126.5</del>	<del>120.5</del>	<del>Sandy yellow clay - hard</del>	
<del></del>	<del>120.5</del>	<del>107.5</del>	<del>Packed yellow sand</del>	
<del></del>	<del>107.5</del>	<del>70.5</del>	<del>Packed red sand</del>	
<del></del>	<del>70.5</del>	<del>55.5</del>	<del>Packed yellow sand</del>	
<del></del>	<del></del>	<del></del>	<del>Piling O.K.</del>	
<del></del>	<del></del>	<del></del>	<del>Next abutment line "A"</del>	
#3	31/77	155.8	149.8	Yellow Clay firm <i>Not Plotted</i>
245.5 ft.	149.8	138.8	Gray clay - hard	
cen. line	138.8	124.8	Yellow clay - firm	
	124.8	108.8	Red sandy clay - hard	

REMARKS:

Will Piling be required.

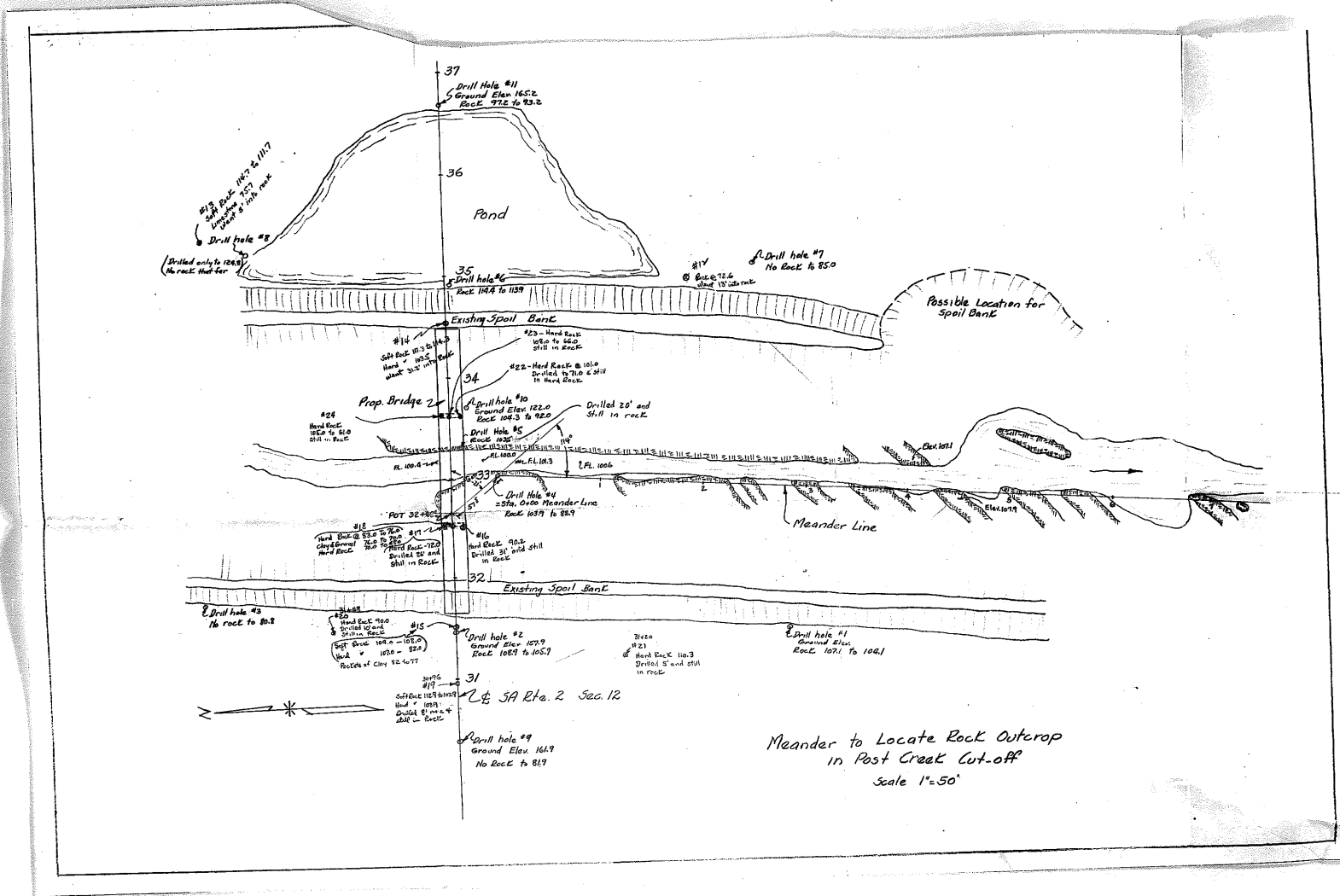
FOUNDATION BORINGS

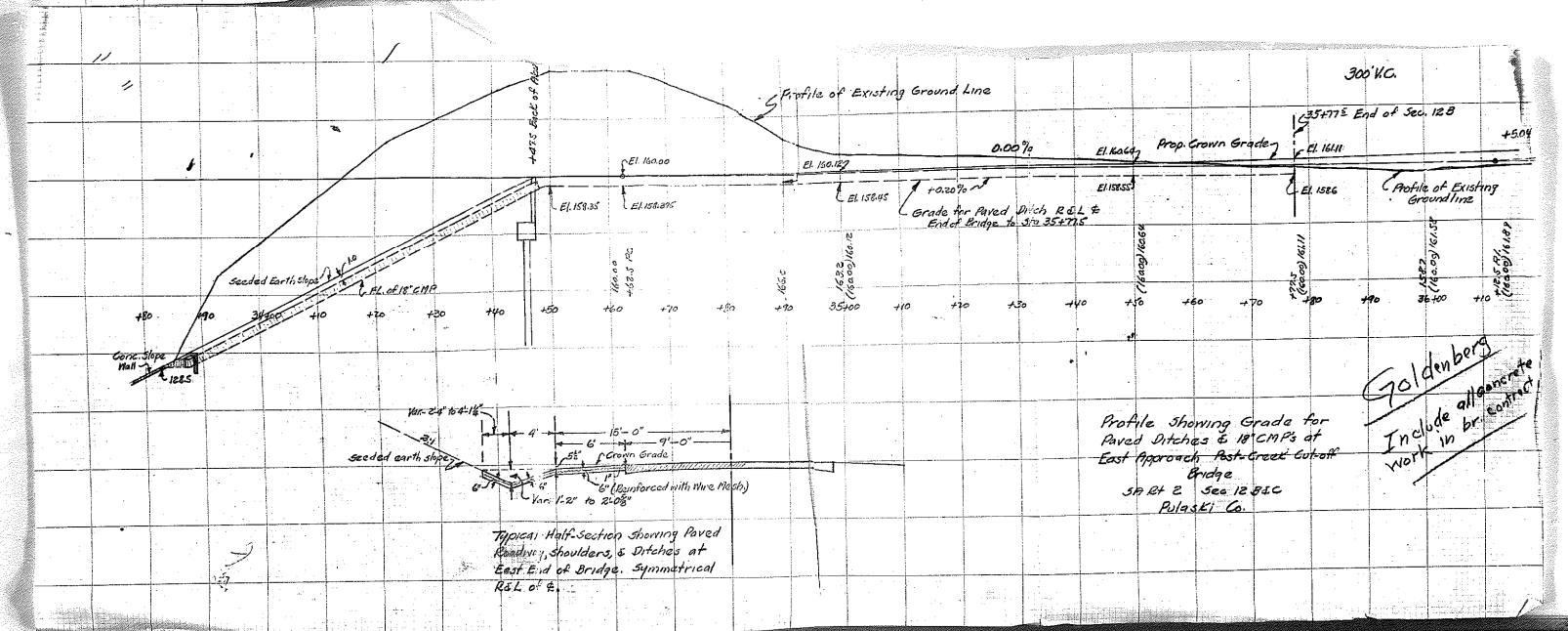
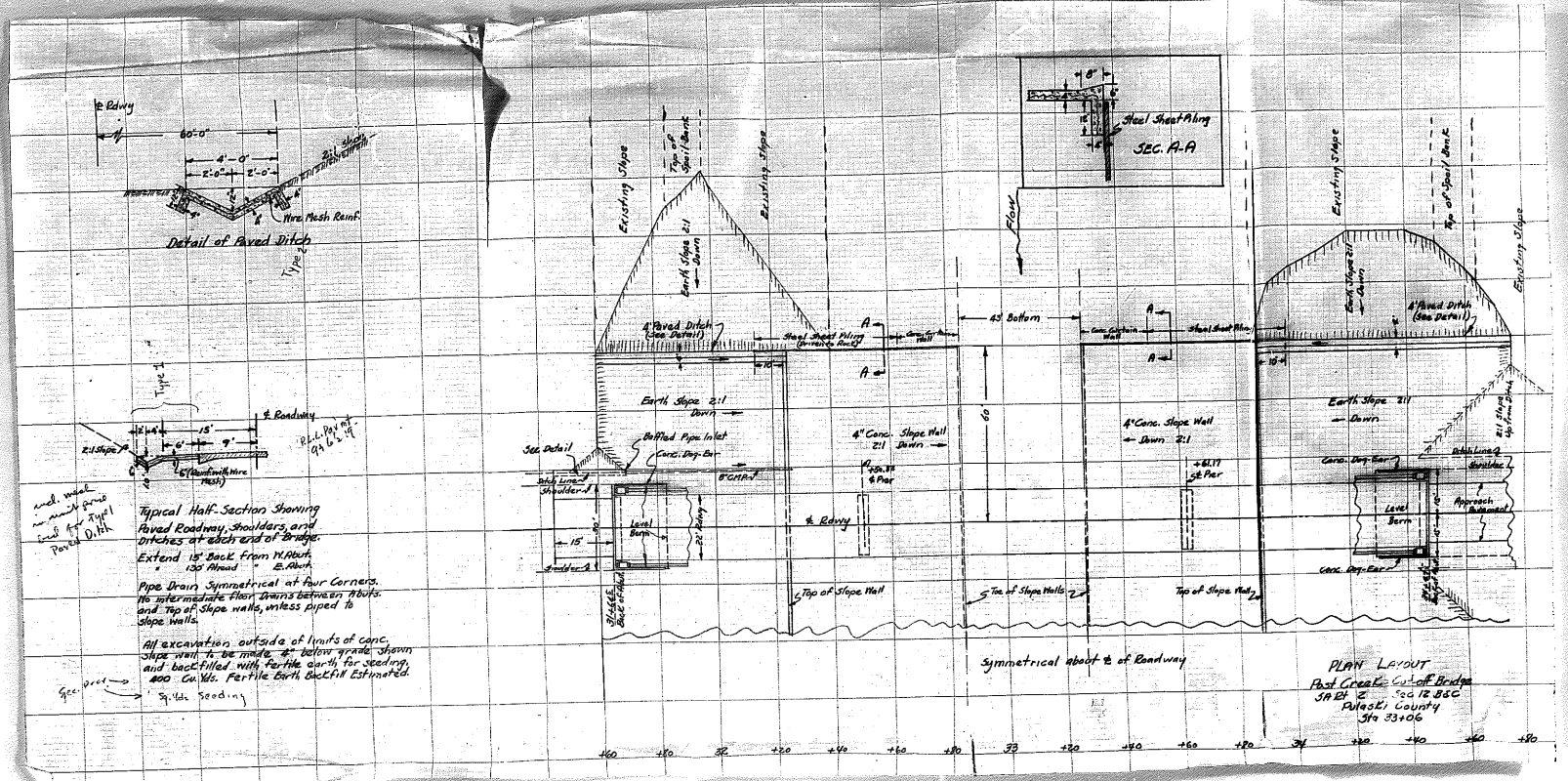
Project:  
 Route: 3 Sheets  
 Section:  
 County: Bridge:  
 Borings Made By:

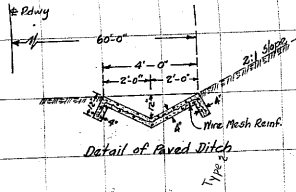
Station	From Elev.	To Elev.	Material Encountered
	95.0	85.0	Fine yellow sand
34/92	185.4	140.4	Yellow clay - firm <i>plotted</i>
on cen.	140.4	130.4	Packed red sand
line	130.4	114.4	Yellow sand
	114.4	113.9	Rock
	113.9		

REMARKS:

Will Piling be required.







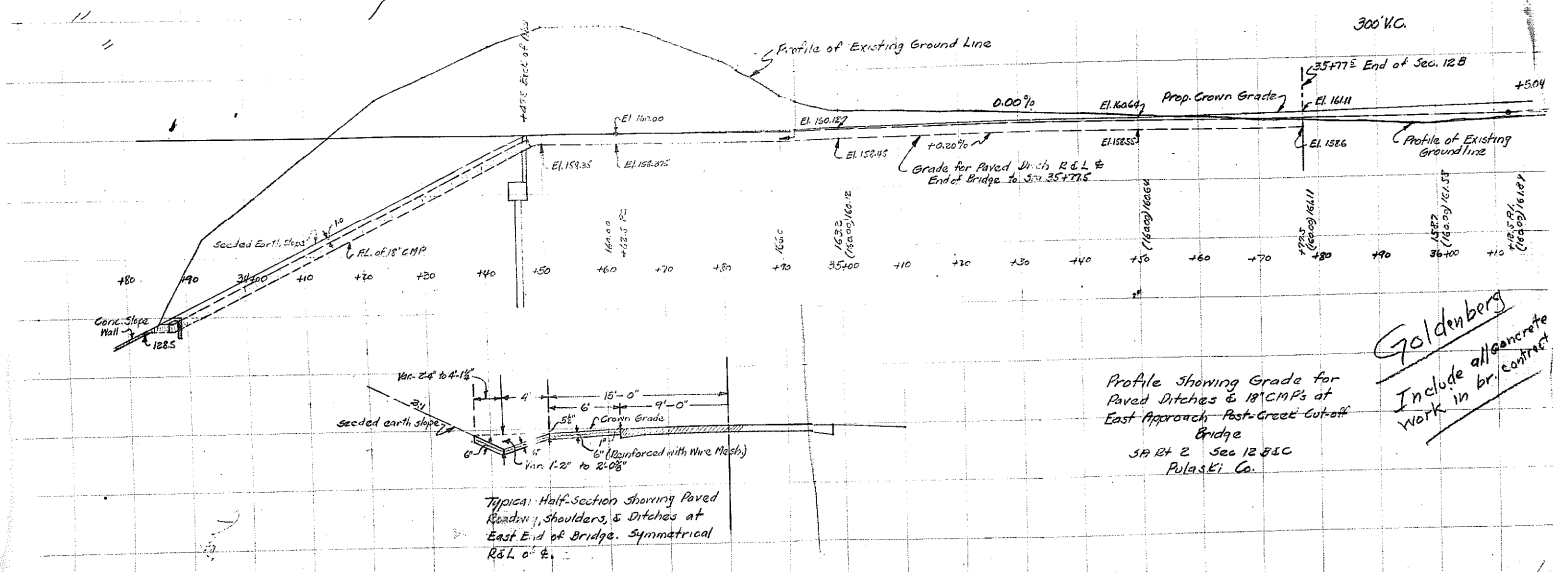
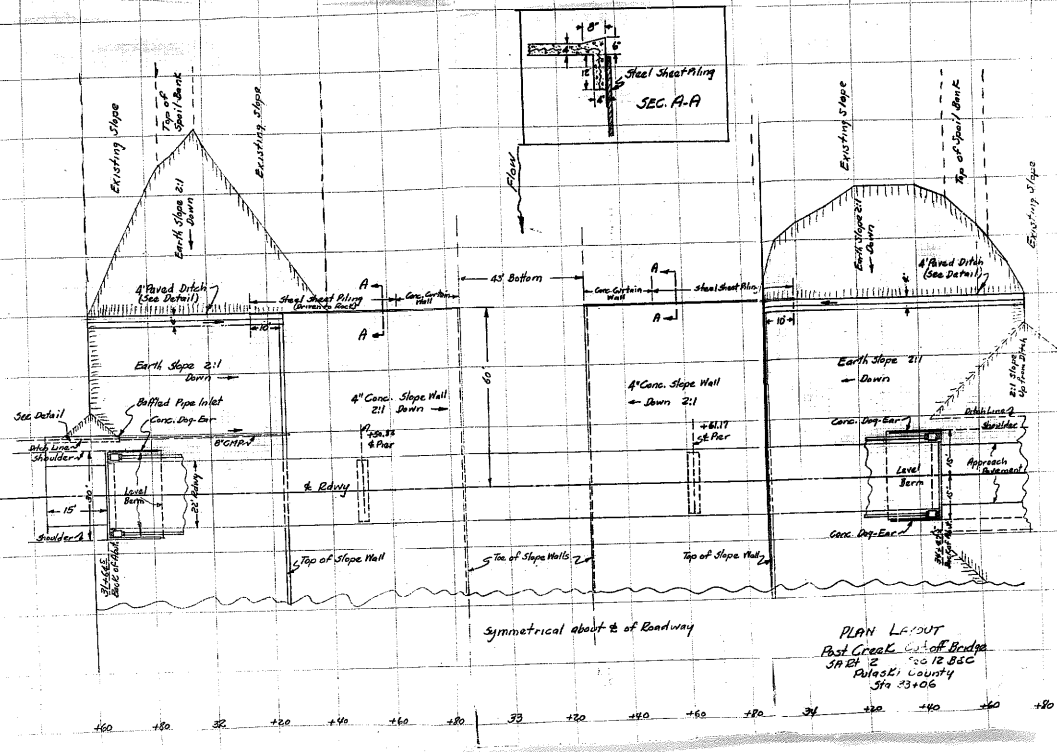
and walk  
and curb  
and for typical  
Paved Ditch

Typical Half-Section Showing  
Paved Roadway, Shoulders, and  
Ditches at each end of Bridge.  
Extend 15' Back from M.A. Road  
130' Ahead of E. Approach

Pipe Drains Symmetrical at Four Corners.  
No Intermediate Floor Drains between Abutts  
and Top of Slope Walls, unless piped to  
slope walls.

All excavation outside of limits of conc.  
slope walls to be made 4" below grade, shown  
and back-filled with fertile earth for seeding,  
400 Cu.Yds. Fertile Earth Backfill Estimated.

See  
S. 1/4 Sec. 21

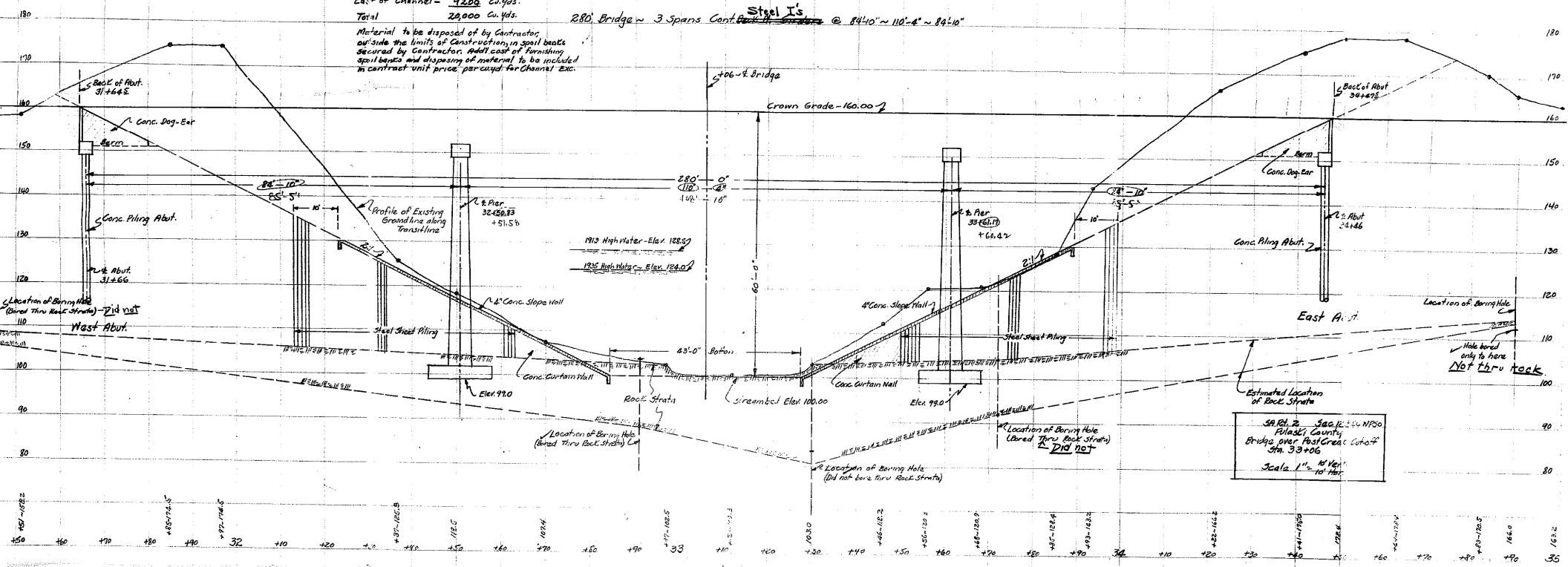


Channel Exc. to be Included in Sec. 12.8

West of Channel - 19,800 Cu.Yds.  
 East of Channel - 9,200 Cu.Yds.  
 Total 29,000 Cu.Yds.

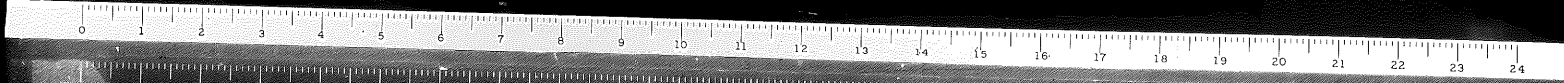
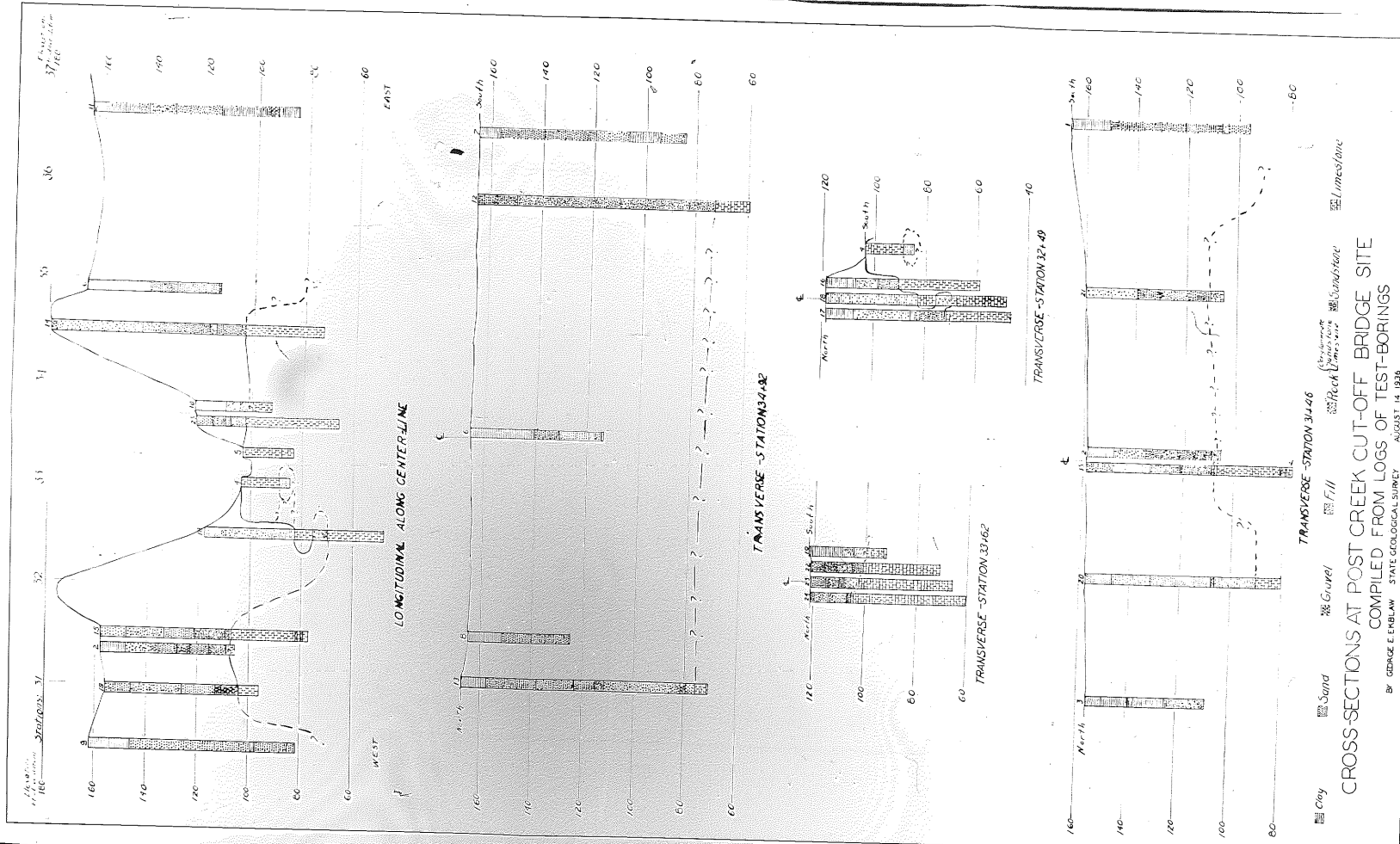
Material to be disposed of by Contractor, outside the limits of Construction, in spoil banks secured by Contractor. Advt. cost of furnishing spoil banks and disposing of material to be included in contract unit price, parav. for Channel Exc.

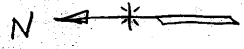
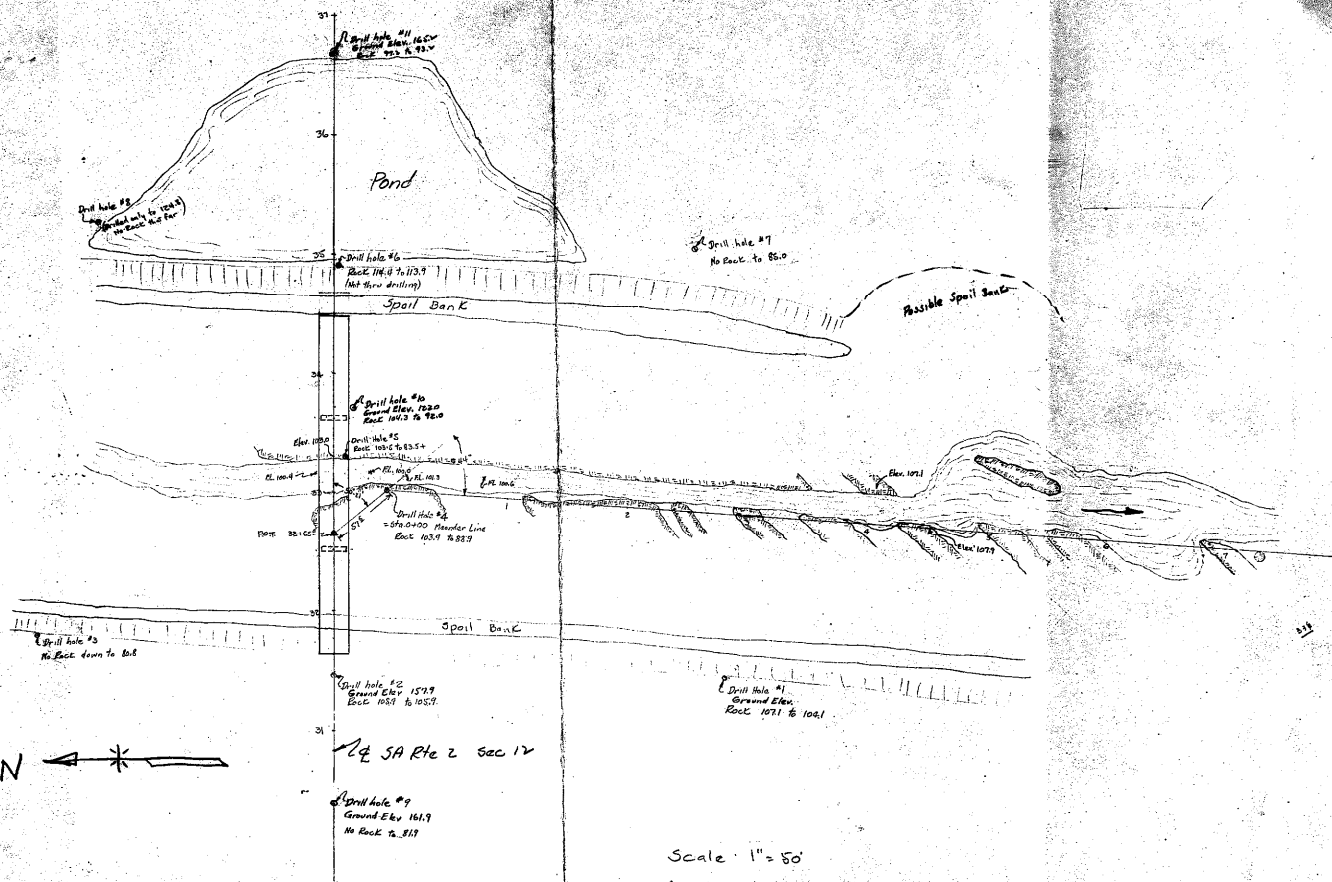
280 Bridge 3 Spans **Steel I's** Cont. ~~Back to~~ @ 84'10" ~ 110'-8" ~ 89'10"



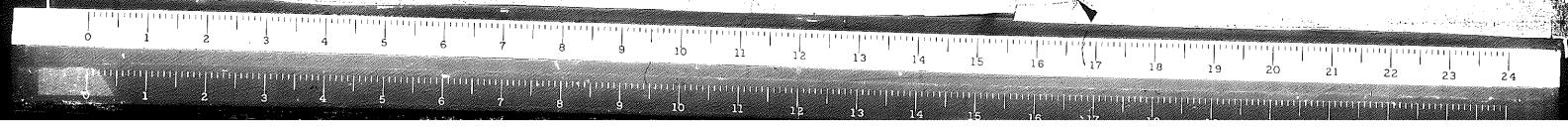
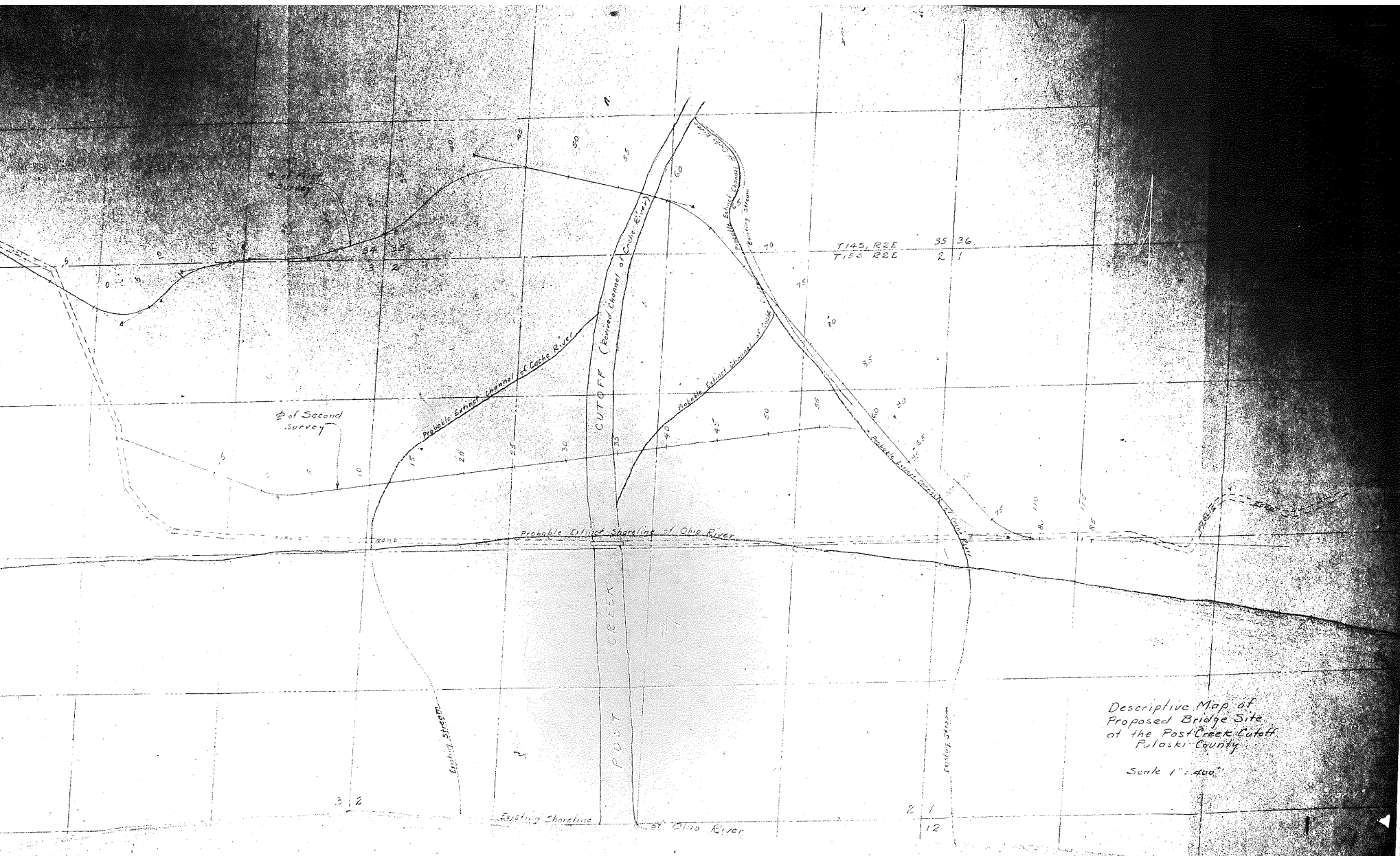
SA Proj. 22 Sec. 12.8 & 12.9 NPSO  
 Pinalo Co. County  
 Bridge over Rio Grande Cut-off  
 Sta. 31+66.5  
 Scale 1" = 40' Vert.  
 1" = 10' Hor.





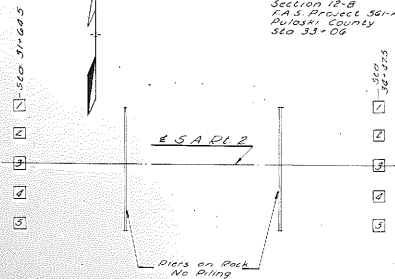


Scale 1" = 50'  
 Meander to Locate Rock Outcrop  
 In Post Creek Cut-Off



Diling Diagram

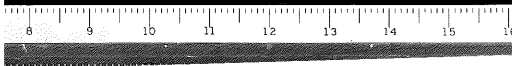
S.A. Route 2  
Section 12-B  
P.A.S. Project 361-A  
Butte County  
Sta 33+00

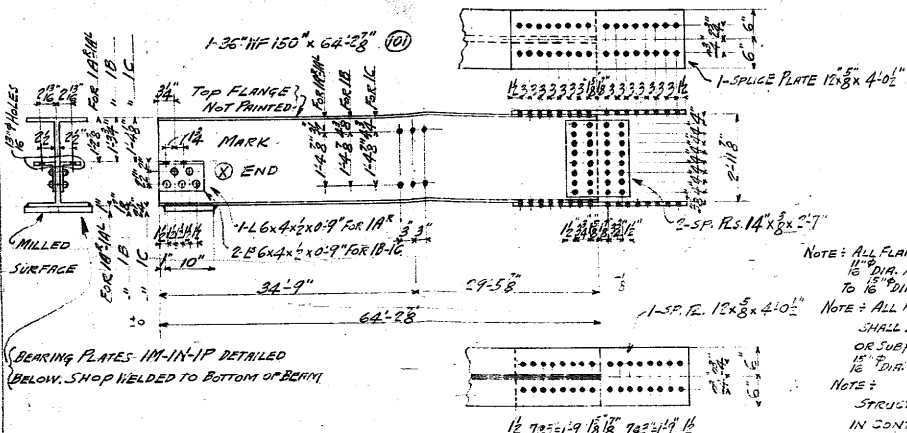


West Abutment			East Abutment			
Diling	Furnished cut off	Driven	Diling	Furnished cut off	Driven	
1	1511 Test Pile	0	1	39	1038	2032
2	32	0	2	32	827	2933
3	32	0	3	39	1010	2690
4	32	0	4	39	817	2683
5	32	0	5	1511 Test Pile	0	0
Total	128	0	Total	150	3922	11698

Grand Total Furnished 288 LIN. FT.  
Grand Total Driven 20008 LIN. FT.

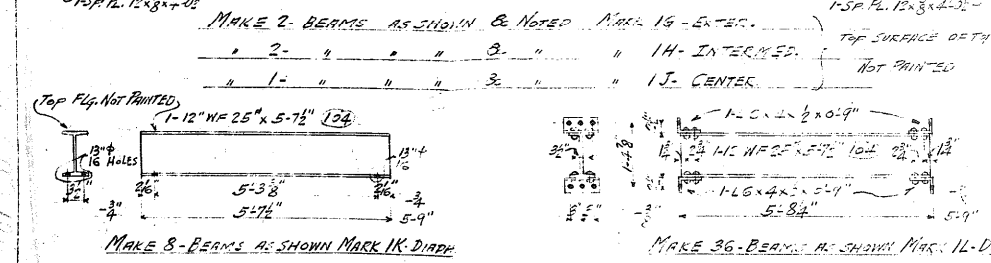
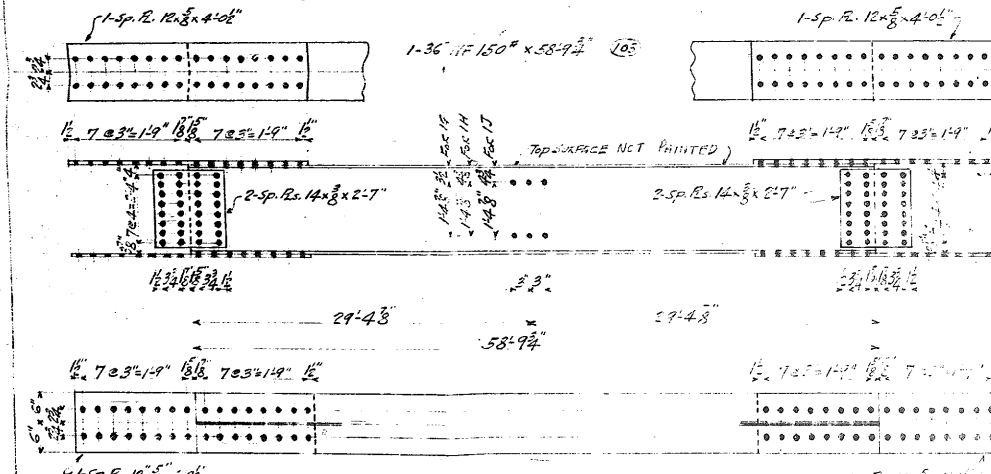
Average Length 30.56 ft



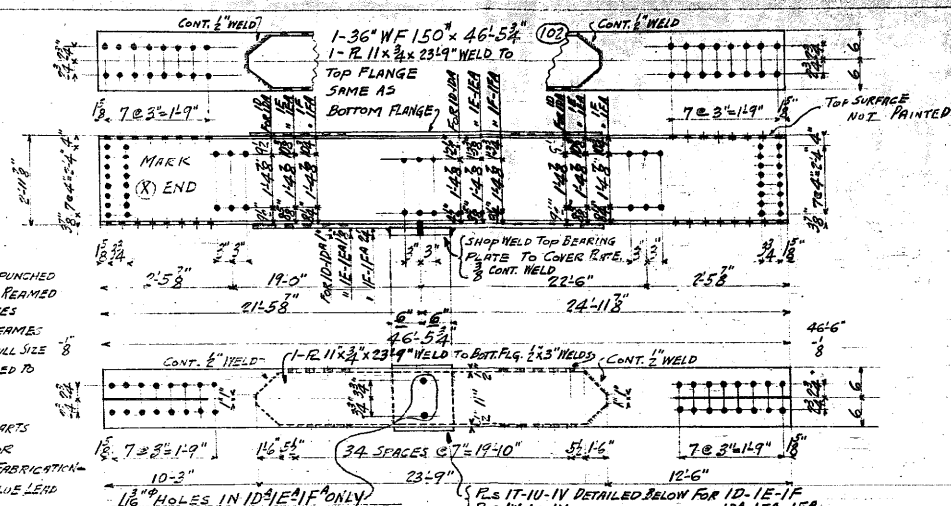


NOTE: ALL FLANGE SPLICES SHALL BE SUBPUNCHED  $\frac{1}{16}$ " DIA. ASSEMBLED IN SHOP AND KEEMED TO  $\frac{1}{16}$ " DIA. EXCEPT SPLICE PLATES  
 NOTE: ALL HOLES IN FLANGES OF BEAMS SHALL EITHER BE DRILLED FULL SIZE  $\frac{1}{16}$ " OR SUBPUNCHED  $\frac{1}{16}$ " DIA. AND KEEMED TO  $\frac{1}{16}$ " DIA.  
 NOTE: STRUCTURAL STEEL - EXCEPT PARTS IN CONTACT WITH CONCRETE OR CONTACT WITH STEEL IN SHOP FABRICATION - SHALL RECEIVE ONE COAT OF BLUE LEAD PAINT IN SHOP.

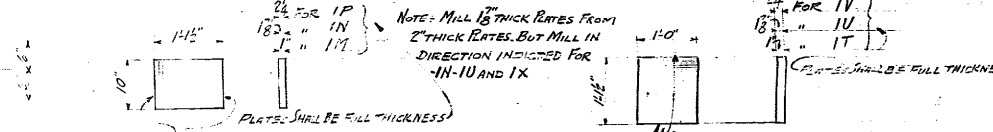
MAKE 2 - BEAMS AS SHOWN & NOTED MARK 1A<sup>R</sup> - EXTER.  
 " 2 - " " " " " " 1A<sup>L</sup> - " "  
 " 4 - " " " " " " " 1B - INTERMED.  
 " 2 - " " " " " " " 1C - CENTER.



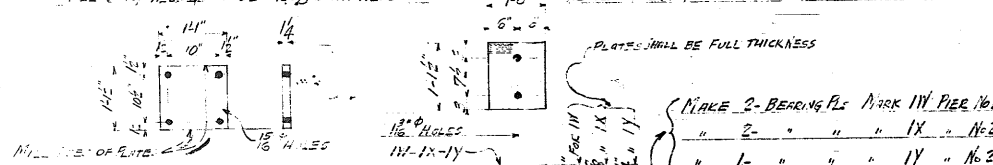
MAKE 8 - BEAMS AS SHOWN MARK 1K - DIAPH.  
 MAKE 36 - BEAMS AS SHOWN MARK 1L - DIAPH.



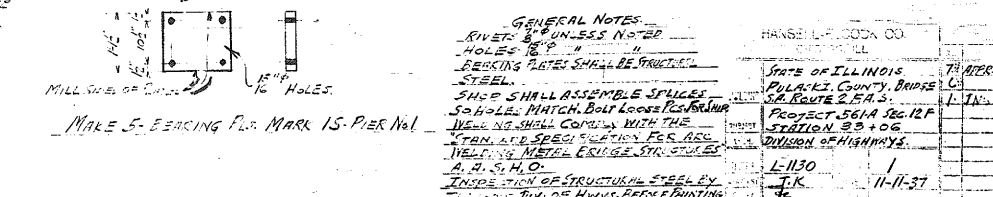
MAKE 2 - BEAMS AS SHOWN & NOTED MR 1D - PIER NO 1  
 " 2 - " " " " " " " 1E - " " "  
 " 1 - " " " " " " " 1F - " " "  
 MAKE 2 - BEAMS AS SHOWN & NOTED MR 1D - PIER NO 2  
 " 2 - " " " " " " " 1E<sup>R</sup> - " " "  
 " 1 - " " " " " " " 1F<sup>R</sup> - " " "



MAKE 4 - ABUT. BEARING PLS. MARK 1M.  
 " 2 - " " " " " " " 1N.  
 " 1 - " " " " " " " 1P.



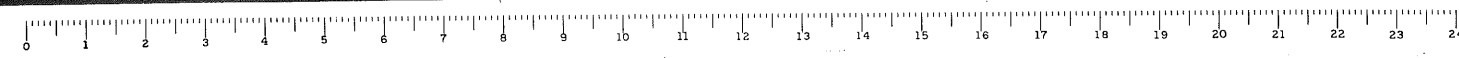
MAKE 10 - ABUT. BEARING PLS. MARK 1K.  
 MAKE 2 - BEARING PLS. MARK 1V - PIER NO 1  
 " 2 - " " " " " " " 1U - " " "  
 " 1 - " " " " " " " 1V - " " "

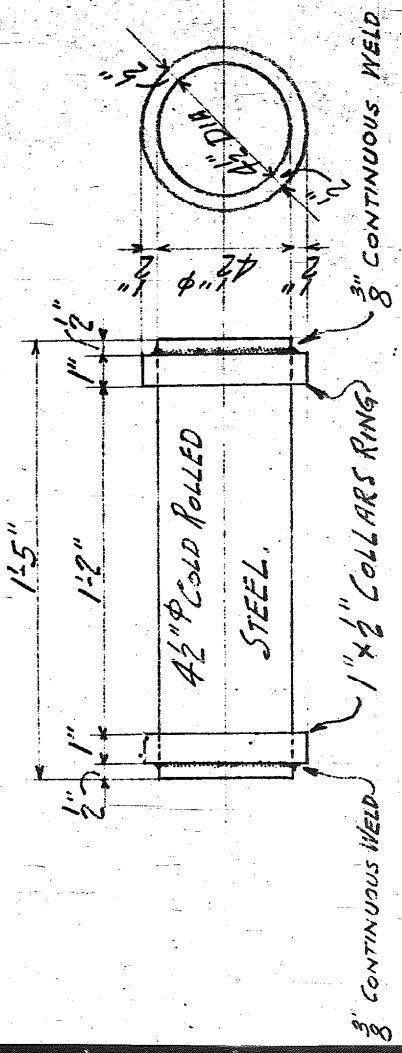


MAKE 5 - BEARING PL. MARK 1S - PIER NO 1  
 MAKE 2 - BEARING PLS. MARK 1W - PIER NO 2  
 " 2 - " " " " " " " 1X - " " "  
 " 1 - " " " " " " " 1Y - " " "  
 " 5 - " " " " " " " 1Z - " " "

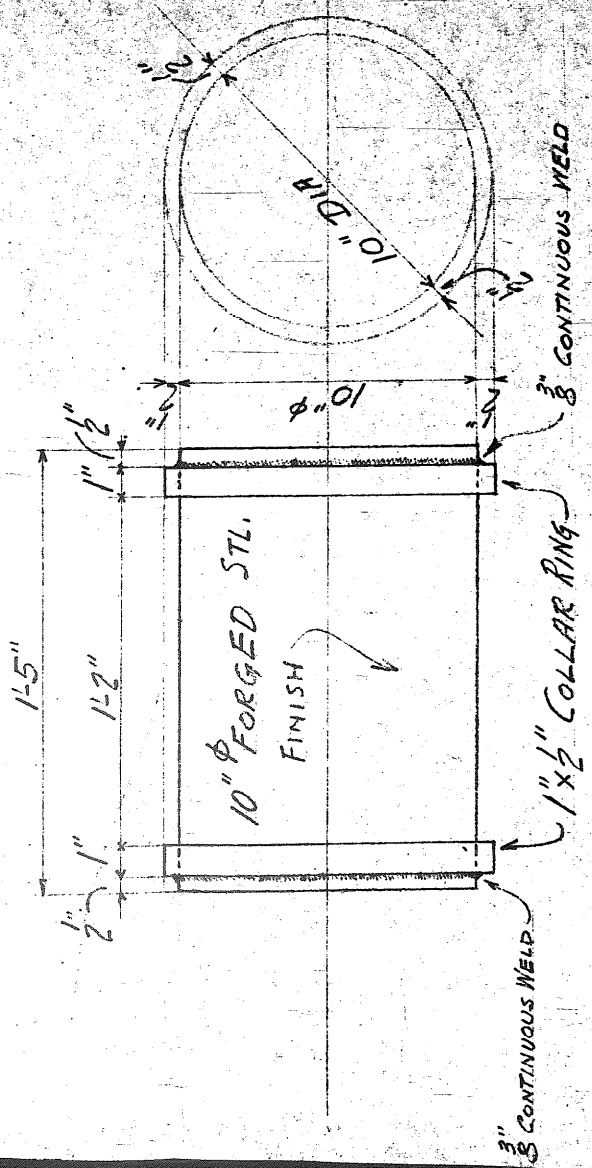
GENERAL NOTES:  
 RIVETS & BOLTS UNLESS NOTED  
 HOLES 1/8" UNLESS NOTED  
 BEARING PLATES SHALL BE STRUCTURAL STEEL  
 SHOP SHALL ASSEMBLE SPLICES  
 SO HOLES MATCH BOLT HEADS FOR RIVETS  
 BEARING PLATES SHALL COMPLY WITH THE  
 STEEL AND SPEC. SECTION FOR ALL  
 WELDING METALS BRIDGE STRUCTURES  
 A. S. I. S. I. O.  
 INSPECTION OF STRUCTURAL STEEL BY  
 CHAS. RIV. OF HWYS. BEFORE PAINTING.

STATE OF ILLINOIS  
 POLK'S COUNTY BRIDGE C.  
 S.A. ROUTE 2 E.A.S.  
 PROJECT 361A SEC 12F  
 STATION 20 + 06  
 DIVISION OF HIGHWAYS  
 L-1130  
 J.K. 11-11-37





MAKE 10 - ROLLERS AS SHOWN MARK 2A - AT ABUTS.

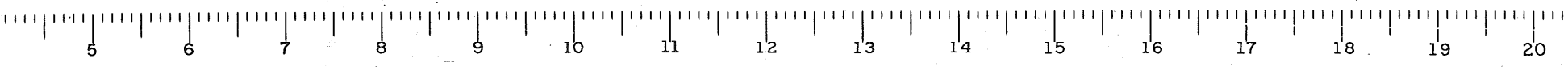


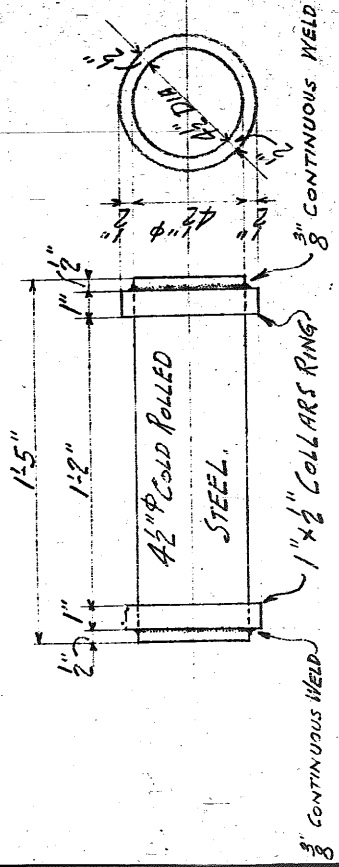
MAKE 5 - ROLLERS AS SHOWN MARK 2B - AT PIER NO 1

A	7
B	
C	
D	
E	
F	
G	
H	
I	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	

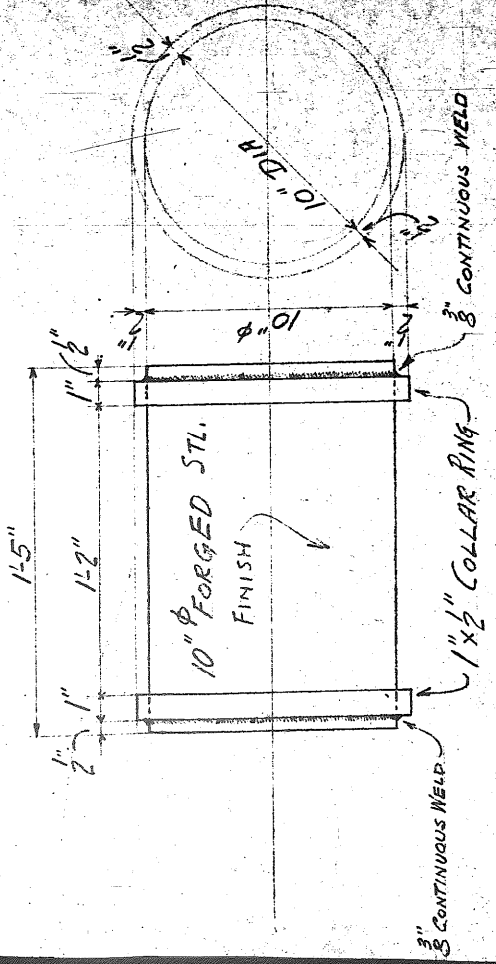
ITEM NO. \_\_\_\_\_  
 ORDER NO. L-1130 SHEET NO. 2  
 NAME STATE OF ILLINOIS  
 LOCATION PULASKI COUNTY BRIDGE  
 ARCHITECT DIVISION OF HIGHWAYS  
 S. A. ROUTE 2 - E.A.S.  
 PROJECT 561-A SEC. 12 E  
 STATION 33+06  
 PAINT 1 COAT BLUE LEAD AFTER INSPECTION  
 RIVETS - DIA. UNLESS NOTED  
 OPEN HOLES - DIA. UNLESS NOTED  
 DATE 11-11-1937 DRAWN BY JK

Hansell-Elcock Company





MAKE 10- ROLLERS AS SHOWN MARK 2A. AT ABUS.

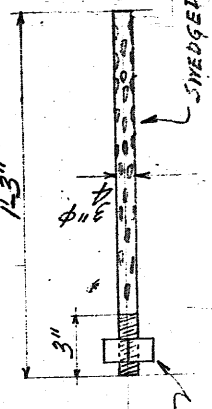
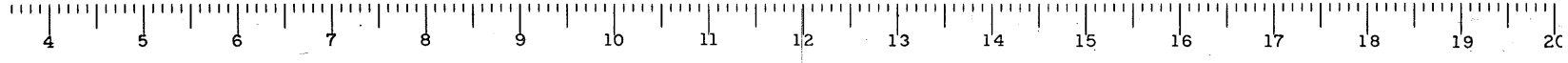


MAKE 5- ROLLERS AS SHOWN MARK 2B. AT PIER No 1


STATE OF ILLINOIS  
LOCATION: PULASKI COUNTY BRIDGE  
ARCHITECT: DIVISION OF HIGHWAYS  
PROJECT: S.A. ROUTE 2 - F.A.S.  
PROJECT: 561A SEC. 12E  
STATION 33 + 06

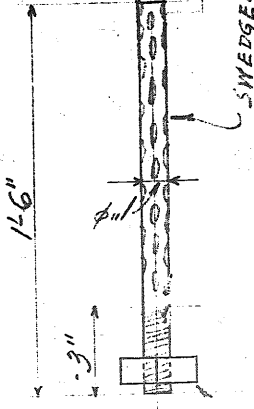
ORDER NO. L-1130  
SHEET NO. 7  
PAINT: 1-COAT BLUE LEAD AFTER INSPECTING  
RIVETS: DIA. UNLESS NOTED  
OPEN HOLES: DIA. UNLESS NOTED  
DATE: 1/11 1937 DRAWN BY: JK

Hansell-Elcock Company



STD. SQ. NUT

MAKE 60-ANCHOR BOLTS AS SHOWN MK 3A-FOR ABUTS & PIER NO. 1



STD. SQ. NUT

MAKE 10-ANCHOR BOLTS AS SHOWN MARK AB-FOR PIER NO. 2

FIELD RIVETS

FURNISH 125 RIVETS 7/8" x 2 1/2" LG.  
 " 715 " 3/8" x 3" "  
 " 1600 " 3/8" x 3 1/4" "

FIELD BOLTS

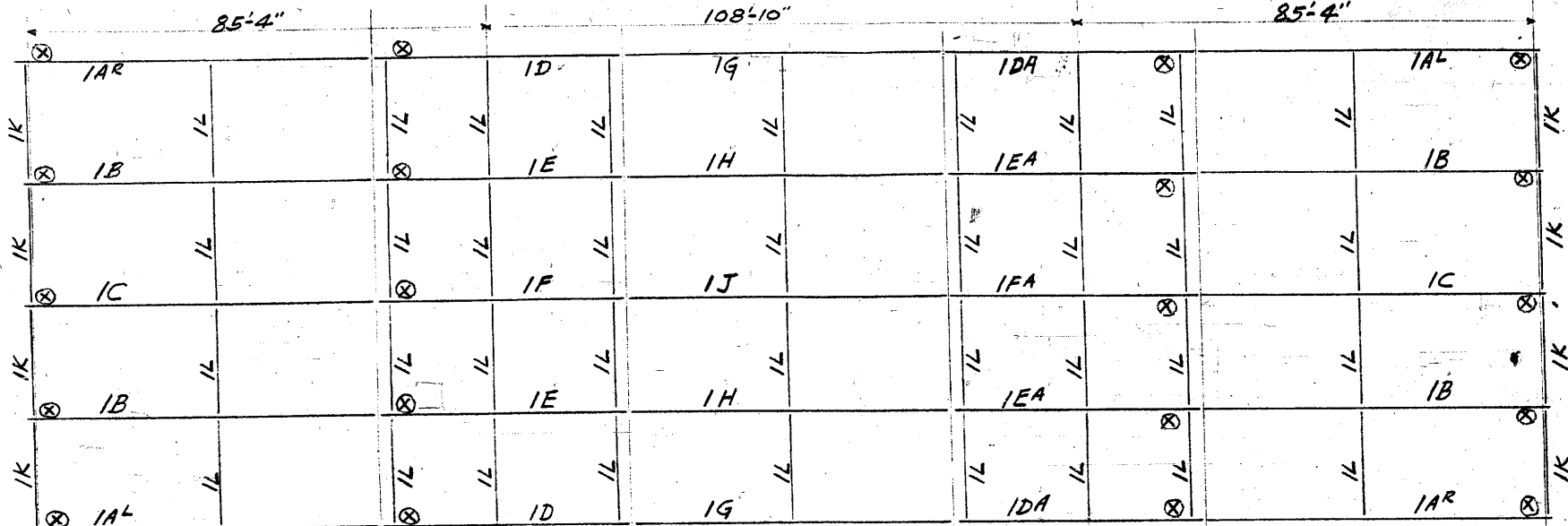
FURNISH 40-3/16" BOLTS 2" LONG.  
 WITH HEX. HEAD AND HEX NUT.

16-7/16

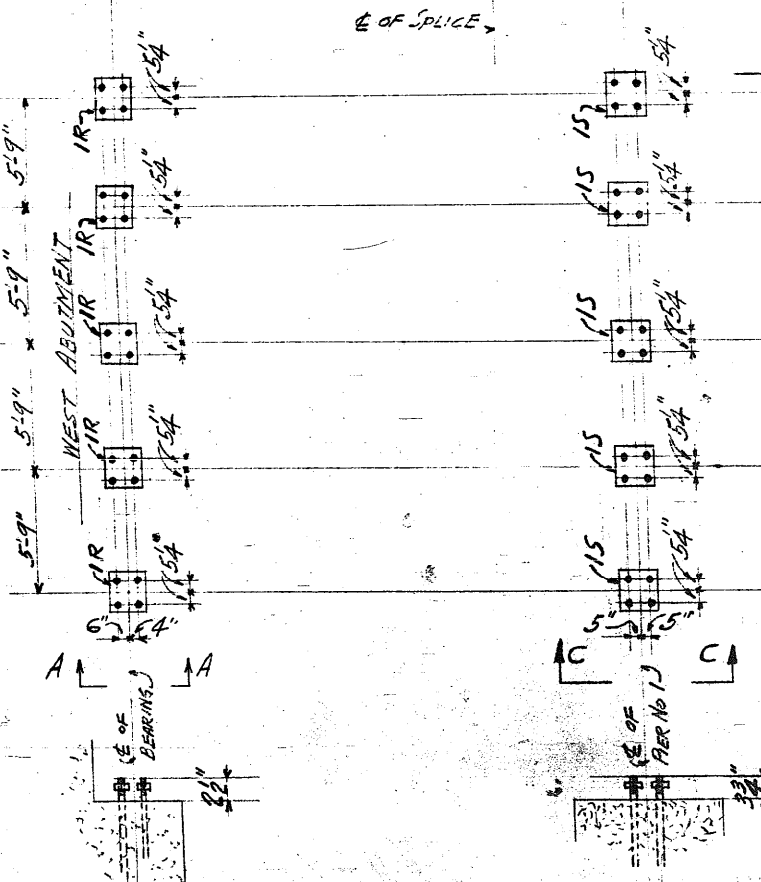

NAME STATE OF ILLINOIS ORDER NO. L-1130 SHEET NO. 3  
 LOCATION PULASKI COUNTY BRIDGE PAINT NONE  
 ARCHITECT DIVISION OF HIGHWAYS RIVETS DIA. UNLESS NOTED  
 CONTRACTOR S. A. ROWE & SONS OPEN HOLES DIA. UNLESS NOTED  
 ERECTOR PROJECT 561-A SEC. 12 F DATE 11-12-1927 DRAWN BY J. K.

STATION 35+06 Hansell-Elcock Company 3

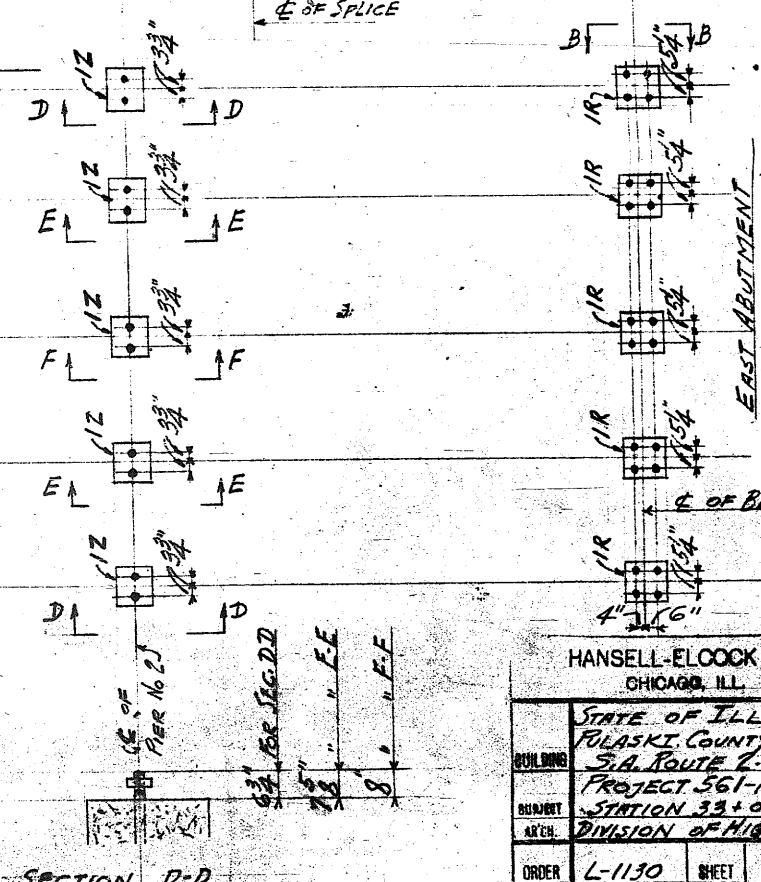




FRAMING PLAN



ANCHOR BOLT PLAN



SECTION D-D

E-E

F-F

HANSELL-ELCOCK CO. CHICAGO, ILL.		PRINTS 1334
BUILDING	STATE OF ILLINOIS POLASKI COUNTY BRIDGE S.A. ROUTE 2, F.A.S.	73 APR C APPR
PROJECT AREA	PROJECT 561-A SEC. 11F STATION 33+06 DIVISION OF HIGHWAYS	
ORDER	L-1130	SHEET E1
DRAWN BY	J.K.	DATE 11-12-37
CH. BY	J.S.	DATE
FINISH		

SECTION A-A  
B-B

SECTION C-C