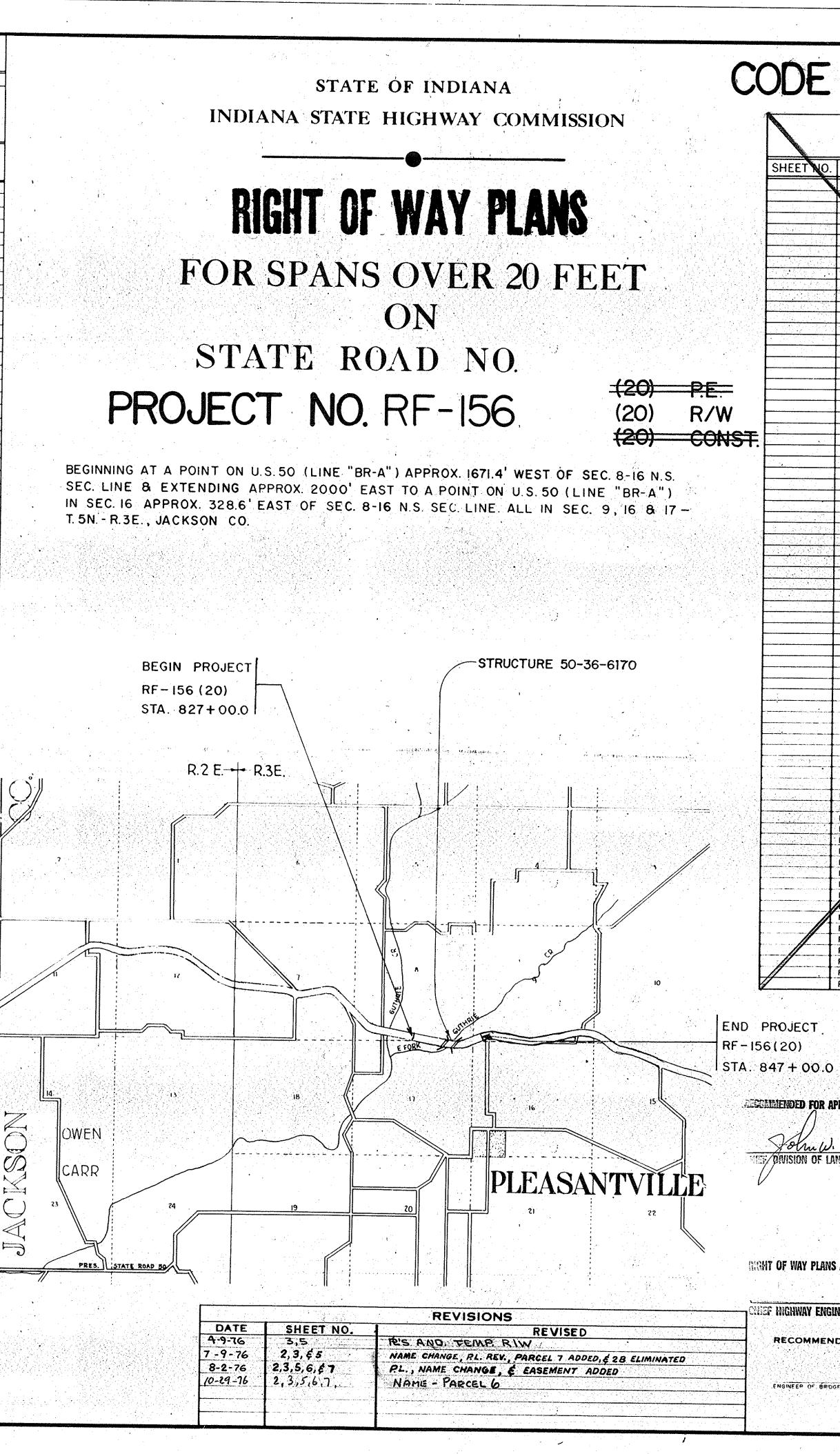
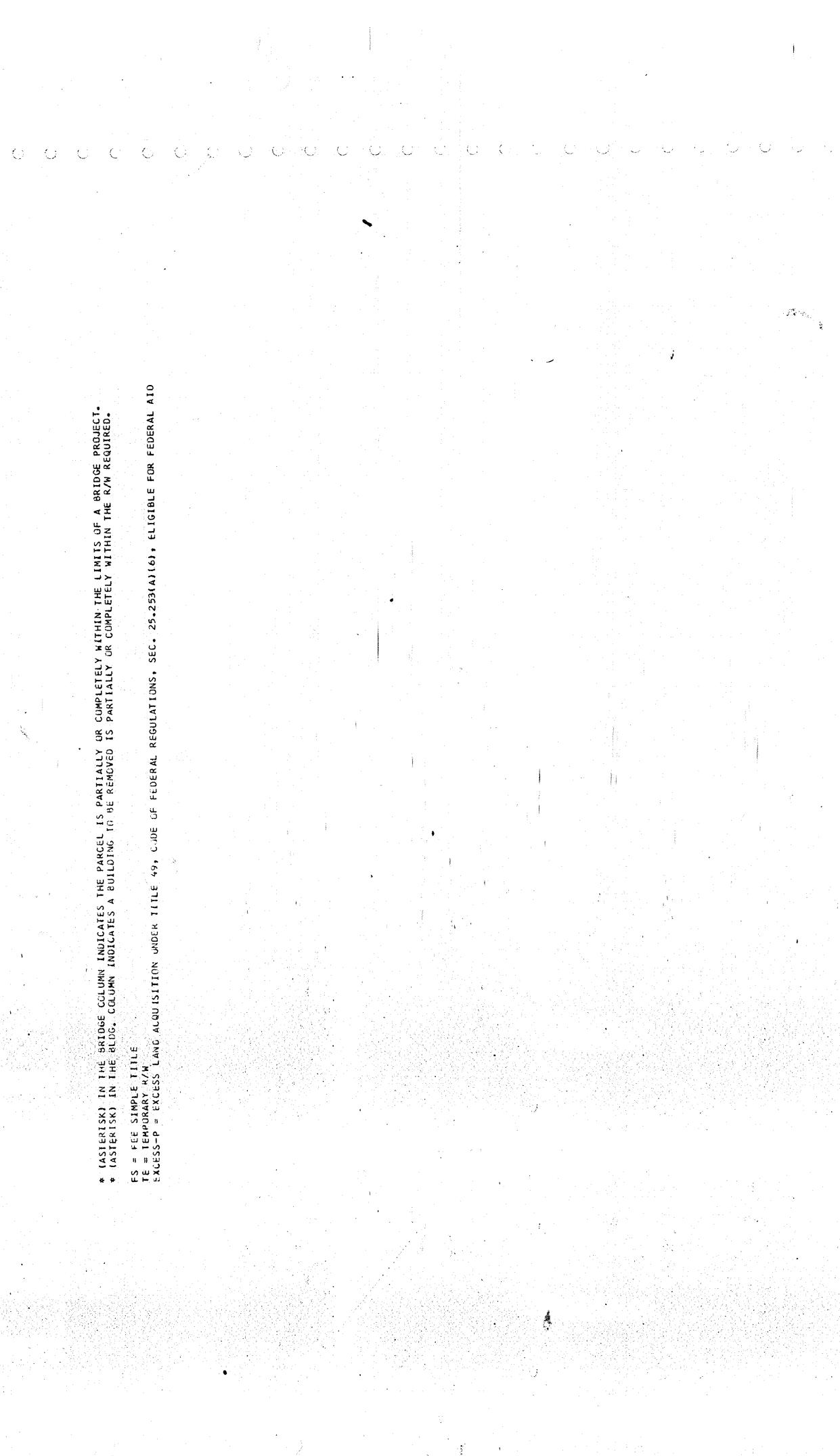
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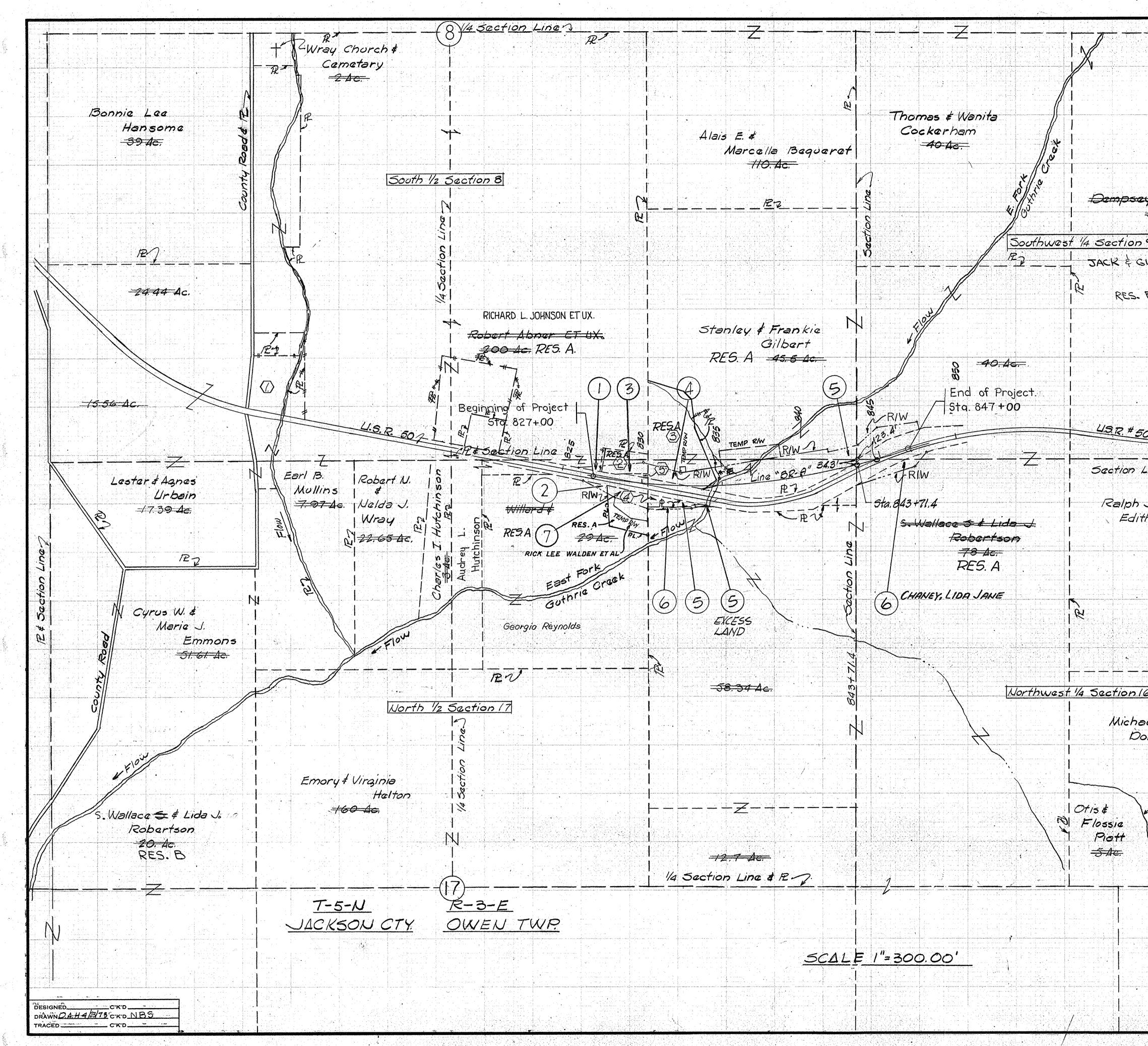
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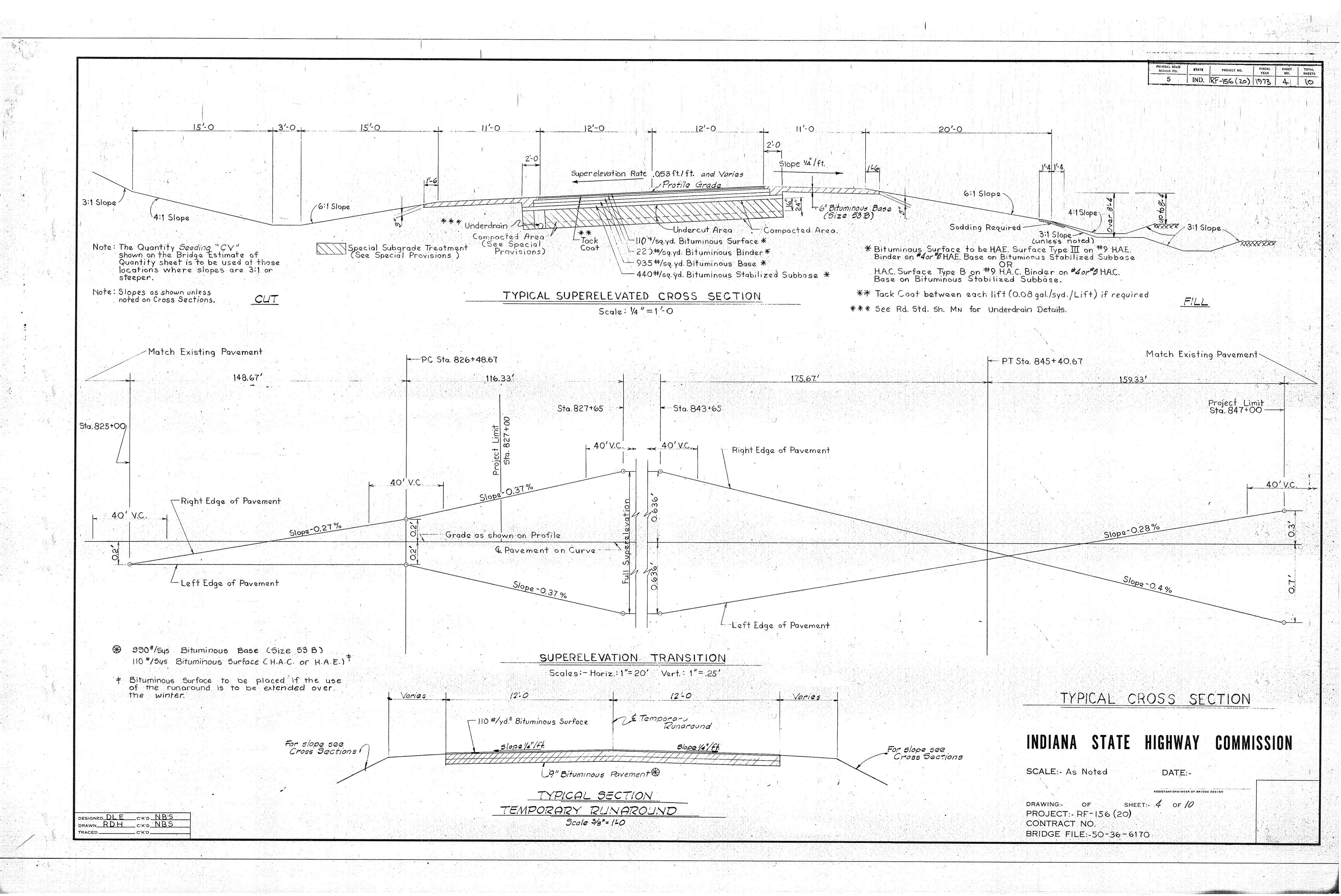
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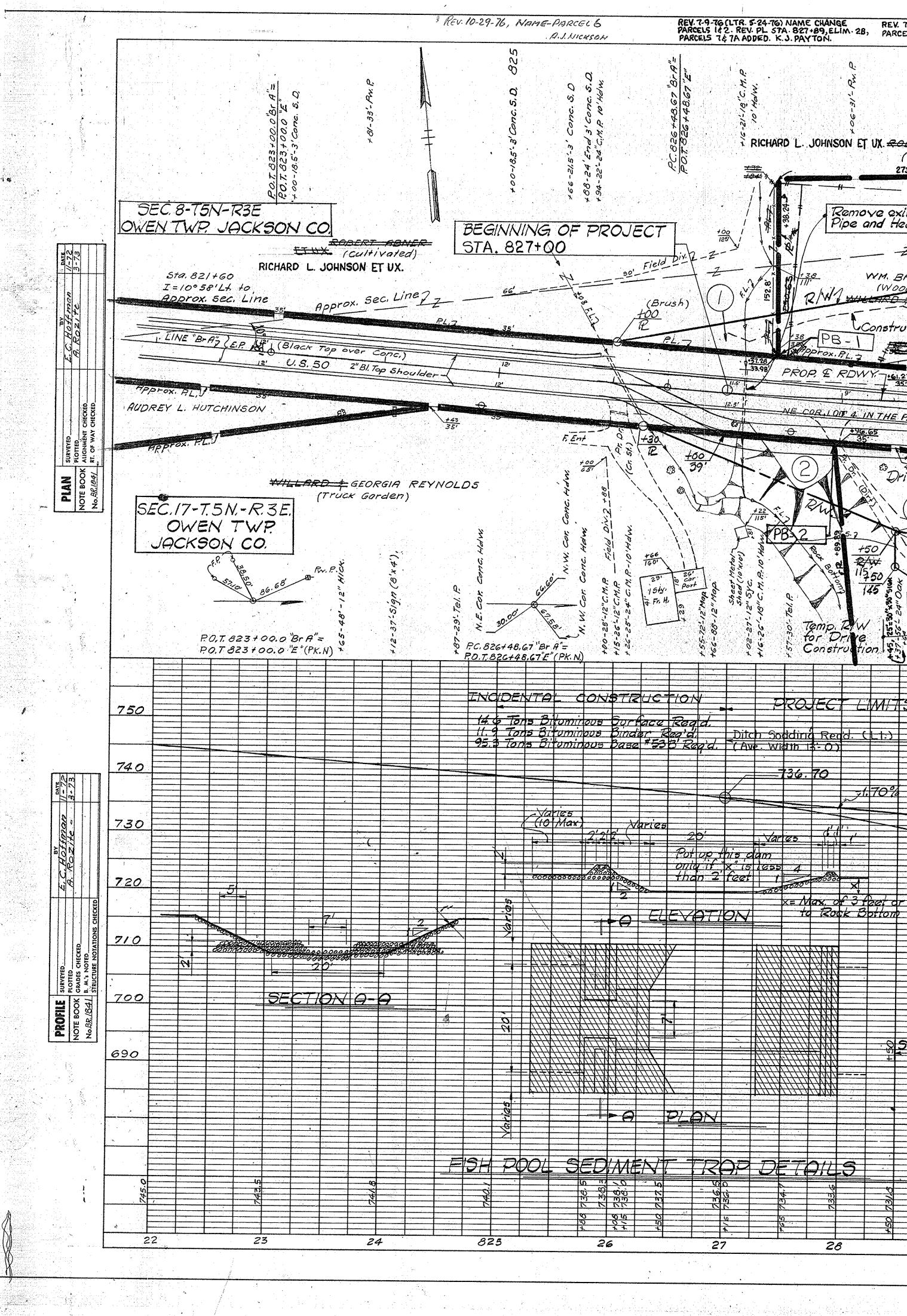


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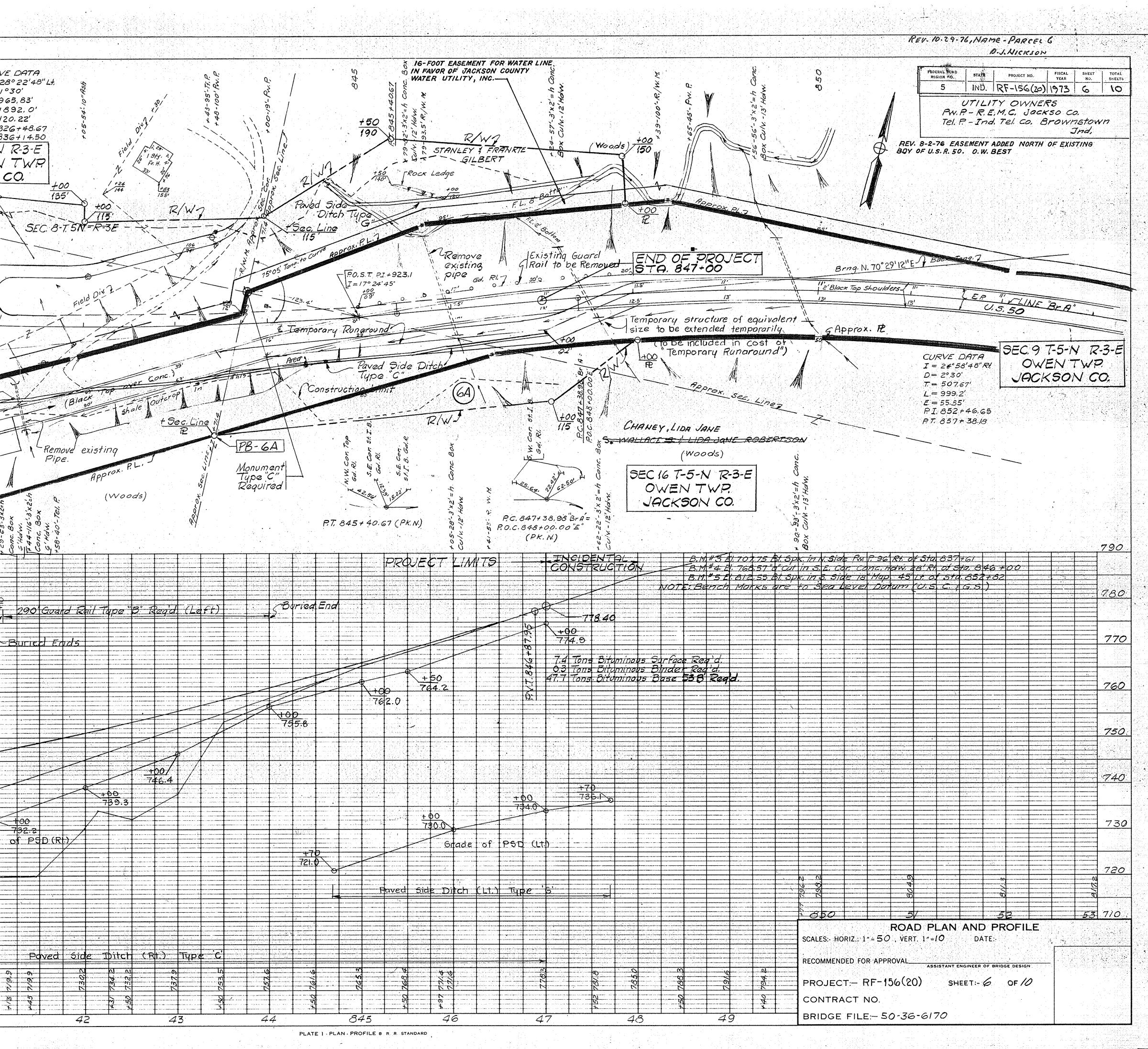
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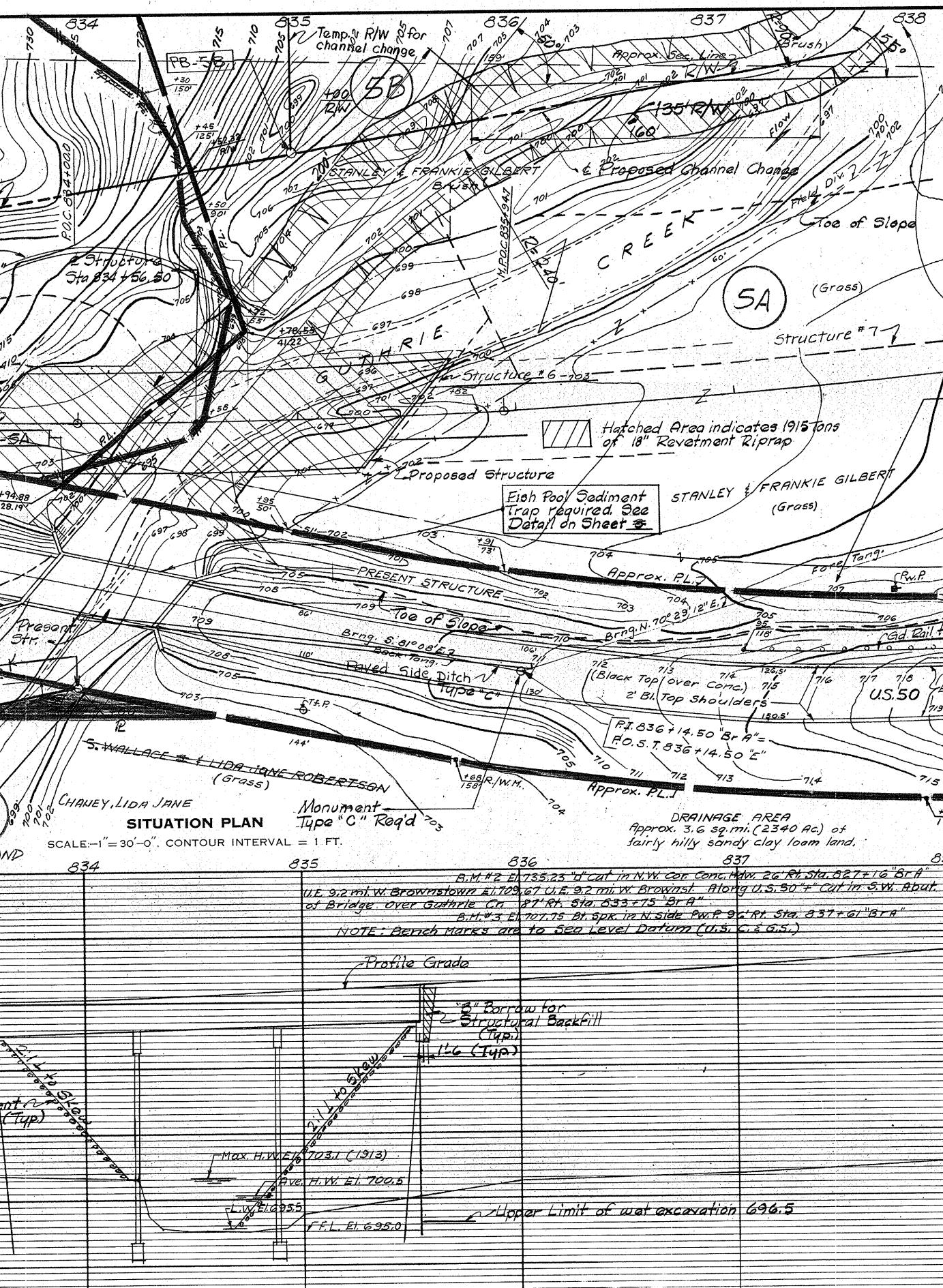


Sec. as all and EASEMENT ADDED TO PARCELS 4 & 5A REV. 7-9-76 (LTR. 5-24-76) NAME CHANGE PARCELS 122. REV. PL STA. 827+89, ELIM. 28, PARCELS 1, 2A & 3. K.J. PAYTON. PARCELS 7& 7A ADDED. K.J. PAYTON. REV. 8-2-76 (Ltr. 5-18-76) NAME CHANGE PARCEL 4; P.L. CHANGE BETWEEN PARCELS 4 & 5A.O.W. BEST REV. 4-9-76 R'S REV. 827+50+ AND 830+531 Minde north To 834 + 70+ ALL ON E"BR-A" R.K.GRINER STATE -FISCAL YEAR PROJECT NO. 1ND RF-156(20) 1973 5 CUMMINGS, RANDAL ET UX. 220 Temp. R/W for S MChannel Change Fish Pool Sediment Trap +00 CURVE DATA 220 Remove' Existing  $I = 28^{\circ}22'48''Lt$ LUFILITY OWNERS (53) Box Culvert and D= 1º 30' PB-58-W. P. - R. E. M.C. Jackson Co. Headwalls 7. = 965.83' Tel. P. - Ind. Tel. Co. Brownstown L.= 1892.0' Temp. R/1 RICHARD L. JOHNSON ET UX. ROBERT VISNER ET UX. E=120.22' (Cultivated) Approx. Sec. Ling PT.845+40.67 273.9' +13 "reonst PB-4A-400. - Approx. P.L.7 R/W PB-3 & 4 Remove existing Pipe and Headwalls +00 Fill Existing Channel toEley. 700.0 +00 125 | 1/A-1/4 Sec. Cor. (No stone) 7. too ZW 7'x6'Well Pita Temp. R/W for Drive Constr. (Slope to drain) \* R/W-110 120 > AVA (Grass) WM. BAILEY Structure #7-1 LINE Br A. D (WOOD SHABER TRO & GEORGIA\_REYNOLDS (LOW) Paved Structure Existing Guard Rail to be Construction Limit Ditch Underdrain Structure #1 M.P.O.C. 835+94.7 °B − removed 5A 33.98 Structure #6 n Dr. (Cr. Stone) Paved Side Ditch STANLEY & FRANKIE GILBERT Tupe "B' COR. LOIT & IN THE PARTITION OF THE REAL ESTATE OF (Grass) Structure 75 Approx. P.L. Btng, 5. 81008' E.7 Fish Pool 45  $\mathbf{A}$ 1 +96.65 +60 WILLIAM HUPP Sediment Trap Gd. 1Structure #3 0,5.50 Drive Class I Regid,~ Back 2' Bl. Top Shoulder. PB-5 EXCESS LAND 110' (Bl. Top over Conc.) +00 201-(Brush) C Paved Side Ditch PProx. PI FI. 836 + 4.50 "Br A" = Type 'C' Construction STANLEY & FRANKIE GILBERT P.O. S.T. 836+#4,50 E Eield RICK LEE WALDEN ETA +00 Limi (Brush CHANEY, LIDA JANE SWALLACE 2 4 LIDA JONE ROBERTSON Approx. P.L. V Construction Limit 50 5 Structure 2/4 Approx. P.L. R/W-EXCESS LANTS Mohument Type - IG-FOOT EASEMENT FOR WATER LINE IN FAVOR OF JACKSON Brush Read +53, Temp tor FR 2 Sass, 12" 5yc. up6' Constr IMINATED 7/9/70 M. P.O.C. 835+94.7 (I.P.L.) P.O.C.834+00.0(I.P.L.) P.O. C. 832+75:0(J.P.L.) PI,836 + 14,50 BrA"= P.O. 5, T. 836 + 14.50"E" (PK.N.) B.M. #1 El. 148.35 Bt SPK. 17 S. Side R.V. R. 33'Lt. of Sta. 819+00 B.M. #2 El. 735.43 "II' Cut In N. W. Car. Conc. How. 26' Rt of Sta. 82 V.E. 9 2 Mi. W. Blownstown El TO9. 10. 9. 2 mi. B-town Along U.S. 50 +" Out in S.W. Abut of Bridge PROJECT LIMITS over Guthrie Creek 87'R. of Sta. 853+75 B.M.#3 El. 707, 15 Bt Spk. in PW. P. 96' Rt. of 510, 837A 750 56×8+828 NOTE: Bench Marks are to sea Level Datur (U.S.C. & G.S.) Terminat - 110' G. Rail Type Gr (Lt. Burled 137 Guard Rail Type G U Boried End 136.70 137' Guard Rail Tupe G" tet. 740 137 Goard Rail Tope G RH =Bbried End Proposed Grade X 730 +55 +60 726:1 3 726.3  $H \cap \cap$ Pot up this clam only if x" is less 4 than 2'feet 1 +00/ X = Max. of 3 feet of to Rock Bottom Grade of PSD 720 -<u>T21.0</u> 721.0 Side Ditch (L) -1.70% =0 Dilch Sodding Type 'B' CAVE Width 18'-0 P.V.I. 51a. 837+87.95 Elev. 718. 205 V.C. 1800 710 Max. H.W. Al. 703,1 (1913 755 705.0 +00 2.86% AVE H.W. El. 700.5 700 Ditch Grada Rt. Sodding Regol (Ave. width 50') Stade R Ditch Spdding Reg'd. Ave Width 9-0 690 85 Poved Sid dding Regal Ave. Width 9-0 (R Paved Side Thitch E (RL) Type of PSD 124 (Plotted 10' Felow Datum ROAD PLAN AND PROFILE SCALES: HORIZ .: 1"=50', VERT. 1"=10' DATE: TRAP DETAILS **RECOMMENDED FOR APPROVAL** ASSISTANT ENGINEER OF BRIDGE DESIGN PROJECT:- RF - 156 (20) SHEET:- 5 OF 10 0 000000 0 000000 0 000000 CONTRACT NO. 28 29 830 BRIDGE FILE:-50-36-6170 31 32 33 34 PLATE 1 - PLAN - PROFILE B. R. R. STANDARD

CURVE DATA 220' Temporary R/W for Channel Change I = 28°22'48"Lt,  $D = 1^{\circ}30'$ T = 965, 83'L= 1892,0' E.= 120.22' Temp. R/W for channel (5B) P.C. 826+48.67 P.I. 836+14,50 SEC. & T.5.N R-3-E change 400 OWEN TWP. R/W JACKSON CO. R/W 7 Approx \_\_\_\_\_ SEC. 8-T. 5N - R-3E L-Construction Limit 11-72 3-72 STANLEY & FRANKIE GILBERT (5A)(Grass) Drive Class I Required -Structure #7-7 LINE BrAT PROP, E RDW SEC.17 T-5-N R-3-E Existing Guard Rail OWEN TWP. to be removed Brng, N. 70° 29'12"E.7 JACKSON CO. ForeTangia (Grass) (Black S S S PPProx, P.L.7 Gd. RI.7 -----PLAN 1.5.50 2 Black Top Shoulders - - E. R. 130.51 Remove existing 1 Construction Limit / Davement, shape PProx. P.L. WALLACE S & LIDA VOME ROBERTSON +28 215 (Grass) CHANEY, LIDA JANE 790 a management of the second 7.80 Buried Ends 770 P,Y,ZDATE 1/-72 3-72 837+87.95 El. 718,205 V.C = 1800 760 Hoffman Rozite UQ. 750 Proposed Grade 740 PROFILE SURVEYED NOTE BOOK CRAPES C No.*BR.16.41* B. M.S NO 730 Grade of PSD (R +6.60°/ 728.0 720 101 1.70% +00 715.7 710 +00 -710.8 + 700 -0--0-0,0 4 840 41 38 39 37



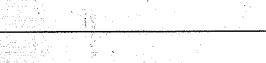
831 SEC. 8 -T.5N.-R.3E. 11/2 Sty. F. Approx. Sec. Line 1 413 SEC. 17 - T. 5N.-R.3E. CUMMING'S, RANDAL ET UX. AB-4A Nell F Temp. RINVor Drive Consti 37 JACK & GLADYS 32 731- R/W/ (Lawn) 736 -Paved Gide Drive Class Regidie Structure #4-INE BrA Structure #52 ± 16mi. to Jct. 5. R. 37 PROP E ROW 1 U.S. 50 117 (Black Top over 6) -711--710-Presa STANLEY & FRANKIE GHEBERT 709 -(Brush EXCESS LAN 4 Toe of Slope 708-+2-84 RINN 12 +83 145 S. WALLACE S. LIDA JONE ROBERTSON top (Brush) CHANEY, LIDA JANE 6 EXCESS LAND 730 1:4 Sloper C"Parf. EB.CC.S.A. 720 Revetment nor Riprap (Typ) 710 700 690 DRAWN A. ROZITE 2.73 C'K'D \_ DESIGNED \_\_\_\_\_ C'K'D \_\_ C'K'D RACED



PROFILE ON PROPOSED & ROADWAY SCALES: HORIZ. 1"= 30'-0" VERT. 1"= 10'-0"

NOTE: FIELD NOTES, BOOK BR. 1841 Pp. 1-35

IG-FOOT EASEMENT ADDED REV. 8-2-76 (Ltr. 5-18-76) NAME CHANGE PARCEL 4; P.L. CHANGE BETWEEN PARCELS 4 & 5A. O.W. BEST REV. 10-29-76, NAME-PARCEL 6 AJ.J. NICKSON STATE 338 CURVE DATA 5 IND. RF-156(20) 1973 7 10 I = 28°22'48" Lt.  $D = 1^{\circ} 30'$ T. = 965,83' L. = 1892.0' UTILITY OWNERS  $E_{i} = 120.22'$ PW. R- R.E.M.C. Jackson Co. P.C. 826+48.67 P.I 836+14.50 Tel, P.- Ind. Tel, Co, -Brownstown P.T. 845+40,67 Ind HYDRAULIC DATA = 1417 Cfs. Design Flow Q50 Drainage Area = 3,6 59.MI Waterway Area Required Balow Elev. 703.1= 284 5ft. Waterway Area Provided Balow Elev. 703.1= 294 5ft. Maximum High Water Elev. = 703.1 Fish Pond Sadiment Trap required. See Detail on Sheat S Note: Excavation required channel change to be paid for as "Unclassified Excavation". LINE "Br. A"? NOTE: SEE ROAD PLAN AND PROFILE SHEETS 1 + 2.8 mi, to Jct. S.R. 235 FOR REFERENCES. -16-FOOT EASEMENT FOR WATER LINE IN FAVOR OF JACKSON COUNTY WATER UTILITY, INC. NOTE: Pres. Structure built by Indiana State Highway Commission in 1933 as 50-J-1341 Cont. No 624 2@ 30'-0" 5Kew, 30° R. R. C. Arch Cl. Rdwy 24'-0" -Existing Grouna Plans on file in Bridge Design Office. (Rw.P. 2010 PROPOSED CHANNEL SECTION Scale ! None -Proposed & Roadway 718 U.S. 50 HE. -720 695 695 -- 719 714 715 -716 DOWNSTREAM UPSTREAM +68 R./W.M. PROFILE OF STREAM Scales: Horiz. 1"=200'-0" Vert. 1"=5'-0" EARTHWORK TABLE 176,950 Cys. - 30 Cys. Fill + 20% Surplus Excavation Unclassified Excavation -13,855 Cys\* 163,065 Cys. Borrow 730 \* Does not include channel excavation 720 BRIDGE 710 CONTINUOUS PRESTRESSED CONC. I-BEAM BRIDGE 35PANS @ 64-3,65-0,64-3 40° SKEW RT. 44-0RDWY. OVER EAST FORK GUTHRIE CREEK ON U.S.50 700 INDIANA STATE HIGHWAY COMMISSION JACKSON COUNTY 19 SCALE:-AS NOTED 690 RECOMMENDED FOR APPROVAL:-..... ASSISTANT ENGINEER OF BRIDGE DESIGN NOTE: SEE ART. 102.05 OF THE SPECIFICATIONS SHEET:- 7 OF 10 DRAWING:- CI OF REGARDING TEST PIT DATA-STATION:- 834 + 56.50 PROJECT:-RF-156 (20) BRIDGE CONTRACT NO. BRIDGE FILE: - 50 - 36 - 6/70



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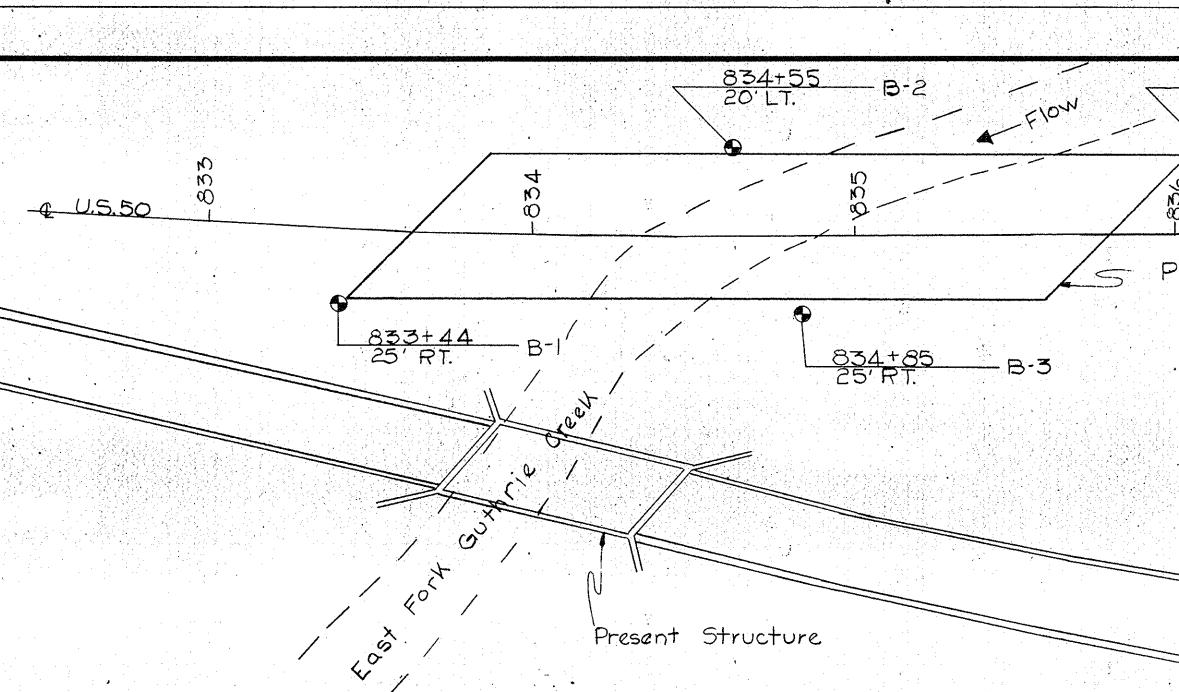
705-

695-

• 1. **.** . . . BORING NO. STATION OFFSET SURFACE EI. Elex N Depth Description <u>Surface</u> <u>Topsoil</u> Brown moist medium stiff LOAM or SANDY LOAM 704.0 70**3.0** 3/4 700-----4/2 697.5 Gray Brown dry hard SHAL disintegrated. 696.0 42/50 02 Gray dry hard SHALE Bottom of test boring R.C.

690-689.0 100% 15.0 Caved to 8.2 at completion Water at 5.5 at completion Immediate Backfill 685-

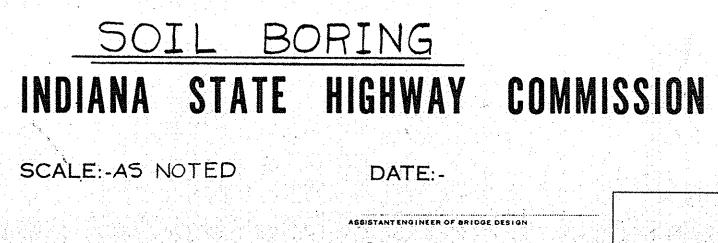
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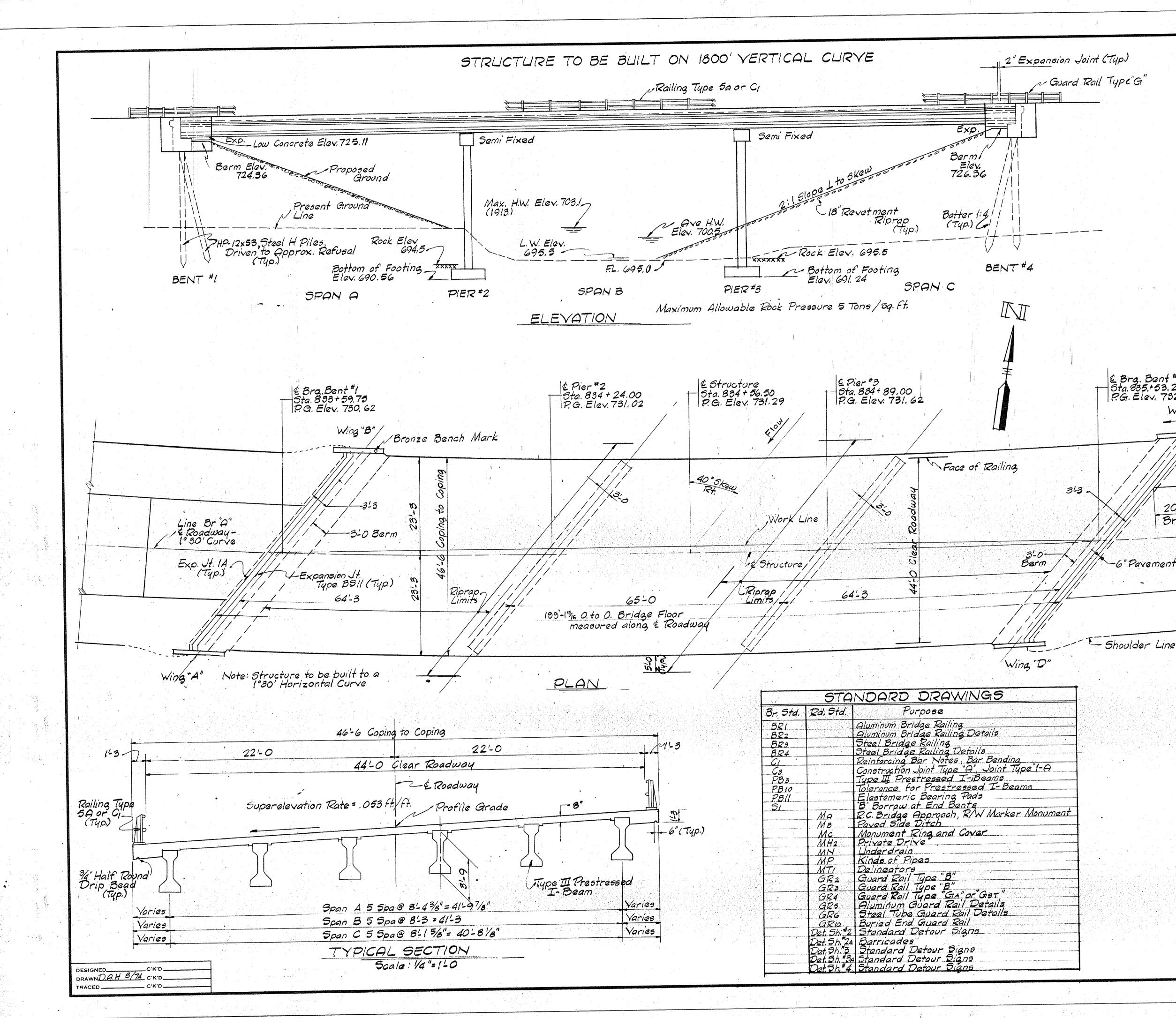
			834+55 20'LT. B-2 25	9 <u>6+05</u> LT B-4	PEDERAL ROAD REGION NO. STATE PROJECT NO. PISCAL YEAR SHEET TOTAL SHEETS   5 IND. RF-156(20) 1973 8 10
<del>-</del> £-	U.5.50	80 4 4		Line "BRA"	
		833+44 25' RT. B-1		osed Structure	
			\ <u>834+85</u> 25′ RT. B-3	N	
			ent Structure	5cale 1"= 30"	
		2	3		
333+44 25'RT 704.0		834+55 20'LT. 700.0	25'RT. 700.3		<u>836+05</u> 25'L+ 702.3
<del>ار</del> م ۲	Flev. N Depfh 700.0	Description Surface	<u>Elev. N. Depth</u> <u>Description</u> <u>700.3</u> <u>699.3</u> 1.0 Topsoil	Elev. *N Depth Description 702.3 Surface 701.3 1.0 Topsoil Brown moist medium	dense
ALE	14/12 7/15 695.5 694.5 50/.03		697.3 697.3 697.3 8/12 696.3 50/50 3.0 Brown Moist medium dense LOAM or SANDY LOAM with pieces of loose Stone. Gray brown dry hard SHALF	699.3 13/12 699.3 13/12 698.3 50 3.0 Brown moist medium sandy LOAM or LOAN pieces of loose stone 04 4.0 Gray dry hard SHA 987.	
	5.5 16/50 0.2 R.C. 100%	Gray brown hard dry disintegrated SHALE . Gray dry hard SHALE	0.21-4.0 Gray dry hard SHALE R.C. 967. 687.8 12.5 Bottom of test boring	689.8 12.5 Bottom of test bor	ing npletion
n n	12.5	Bottom of test boring Caved to 6.6 at completion Water at 4.0 at completion Immediate backfill	Caved to 4.4 at completion Water at 2.0 at completion Immediate Backfill	Caved to 5.2 at con Water at 1.5 at comp Immediate Backfil	iletion II

## SOIL BORING LOG vert. scale : |"= 5'-0"

\*N indicates the number of blows required to drive a 2" O.D. sampler 1' with 1401b. hammer falling 30", count made at 6" intervals. Note: See Art. 102.05 of the Specifications regarding test pit data.



SHEET: 8 OF 10 DRAWING OF SI PROJECT:-RF-156(20) CONTRACT NO. BRIDGE FILE: -50-36-6170



		PROJECT NO. PROJECT NO. PROJECT NO. VEAR NO. SHEETS 
		GENERAL NOTES
(Type G"		Depth of footings to be extended if found necessary. See Article 206.11 (c) of the
iype G		Footings shall extend a minimum of 6" into
		solid rock. Reinforcing steel not to be ordered until i rock is uncovered.
		Determine pile lengths by Article 701 of the Specifications. Piles shall be driven to approximate refusal
		Reinforcing steel coverings shall be 21/2 inches in top, 1 inch min. in bottom of floor slabs, 3 inches in footing except bottom steel which
		shall be 4 inches, and 2 inches in all other parts, unless noted. Concrete in footings and pier stems to con-
		struction joint to be class "D". Concrete in Superstructure to be class "C".
		Concrete in end bents bent cape and top of pier stem down to construction joint to be class "A".
		Concrete in paved side ditches to be class "A". Continuous concrete pours shall be required between construction joints as shown on
		detail plans. Waterproof joints in end bent mudwalls and wingwalls, in accordance with Article 702.22
		of the Specifications. Chamfer exposed edges 1 inch unless nated.
		Construct riprap at locations shown on layout. Tolerance in position of pile head maximum 2 inches.
E Brg. Bent #4 +8-0 5		All railing posts to be constructed perpen- dicular to grade. Only end bent caps, front face of mudwalls,
6ta, 835.+53.25 P.G. Elev. 732.40 Wing "C" 840	(тир.)	face of deck coping, and underside of the bridge floor from coping to face of outside beam, outside face of exterior concrete
		beams, to be sealed in accordance with Article 702.20 of the Specifications.
	\$ °;	See the Special Provisions for items in- cluded in this contract.
20-6 R.C.	face 12:0	
Br. Appr. (Typ.)	- to	
-6" Pavement Ledge (Typ.)	24-0	

province and the second s

DESIGN DATA

11-0 Shidr

Designed for HS 20-44 loading in accordance with 1973 A.A.S.H.O. Specifications.

TYPICAL CROSS SECTIONS See Sheet No. 2

GENERAL PLAN

CONTINUOUS PRESTRESSED CONC. I-BEAM BRIDGE 3 SPANS @ 64'-3, 65'-0, 64'-3 40° SKEW RIGHT 44'-0 RDWY. OVER E. FORK GUTHRIE CR. ON U.S. 50

## INDIANA STATE HIGHWAY COMMISSION

SISTANT ENGINEER OF BRIDGE DESIGN'

SCALE: - 3/32" = 1-0 Unless noted DATE: -

DRAWING: C2 OF SHEET: 9 OF 10 PROJECT: - 72F-156 (20) CONTRACT NO. \$574.834+56.50 BRIDGE FILE: - 50-36-6170

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	Pier	r N° 2		37.6	82.0	26.	7						9982
	Die	r N° 3		37.6	82.0	26.	7				[		0000
	Pier	<u> N-3</u>		51.0	02.0	<u> </u>	<u> </u>		+				9982
	Ren	t N° 4		46.2									6056
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Π	1	827+00 to 833+50 Lt.	6″	GROUP	*K*		650'			1	1	******	······
	2	829+90 Rt.	15"	GROUP	'D'		36				·	2	
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	3	830+45	36"	GROUP	'A' FB	CCS	160'			ļ		2	
				00000	in the second		<u> </u>			ļ			
	4	832 + 80 Lt.	15"	GROUP	'D'		44'					2	
	5	077.1.00	6"	Dané Ci	0000		701			ļ			
	<b>.</b>	833 + 60		Perf. Fl	BCCS		76'						
	6	835 + 50	6"	Perf. FE	BCCS		76'		·····			3	
					<u></u>		<u> </u>						
	7	836+00 to 846+00 Lt.	6"	GROUP	'K'		1000'		Maria Aliana				
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6" Non. Perf. FBCCS

6" Non. Perf. FBCCS

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LT/RT	STATION	DESCRIPTION	FT.	FT.	%	FT.	R/W FT	CUT	FILL	#/SQ.YD.	TONS	#/SQ.YD.	TONS	#/SQ.YD.	TONS	Depth (In)	
Rit.	830+00	Drive Class II	12	20 5	9.9	290	170		3450	110	21.8			220	43.7	3	64.4
L1.	832+73	Drive Class II	12	20 5	9.4	80	20	22	45	110	6.4			220	12.9	3	17.8
Lt.	841+00	Drive Class II	12	20 5	5.9	310	0		•	110	23.3			220	46.6	3	68.8
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28'

87'

• Included in Mainline Quantities

832+50

836+00

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MARCH 1975

NOTES: Weight of Spirals includes weight of  $1\frac{1}{2}$  extra turns, top and bottom. Spacers and  $1\frac{1}{2}$  turns at laps included in cost of Spiral.

SUMMARIZED NBS C'K'D DLE

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			MK-AP	TIMBER	TREATED TIMBER	STEEL ENCASED CONC.	BEARING	DRAIN PIPE	8 FITTINGS	OR CI	TYPEBSI	CLASS	BOX BEAMS TYPE	I BEAM TYPE III	MEMBRANE		FOR		and the second second	SEAL				
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	Total of Reinforcing Steel Carried to "Structure Quantities"

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OR RT.	TO STATION	TYPE	PAY LENGTH	NO. OF LUGS	PAY LENGTH	CUT OFF WALLS	PAY LENGTH	TOTAL PAY LENGTH	FOR PSD	FOR DITCHES	SHOULDERS	OTHER	TOTAL
Lt.	829+00 to 830+35	В	135		. 4		5	144	40	· · · · · ·			40
Lt.	830+35 to 830+60	В	28	1	4	I	5	37	7				7
Lt.	833 + 00 to 834+85	В	209	2	8	2	10	227	56				56
Lt	844 +70 to 847 +70	G	305	2	8	2	10	323	90		i. S		90
Rt.	834 +00 to 836 +00	C	200	3	12	2	10	222	60				60
Rt.	838 +00 to 847 +00	C	925	7	28	2	10	963	274				274
Lt.	827 +00 to 829 +00									289			289
Lt.	830 +60 to 831 +00									58			58
Lt.	832 +65 to 833 +00									51			51
Rt.	830 +55 to 833 +00									245			245
Rt.	836 +00 to 838 +00								······································	200			200
Lt.	830 + 15 to 830 + 40								  		7		7
<u>Lt.</u>	833 +25 to 834+00										22		22
Lt.	838 +50 to 840+50										59		59
Lt.	843 +75 to 847 +50			······			•						111
Rt.	827 +00 to 833 +50										193		193
Rt.	836 +00 to 843+75										230		230
Rt.	828 +50 to 830+45											1083	1083
•	At Str. Corners								·····			432	432

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## PROBERAL ROAD REGION NO. MATE PROJECT NO. PISCAN SHEET TOTAL S IND. RF-156(20) 1973 10 10

## BRIDGE SUMMARY INDIANA STATE HIGHWAY COMMISSION

DATE

ASSISTANT ENGINEER OF BRIDDE DESIGN

SHEET 10 OF 10

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PROJECT: RF-156(20) CONTRACT NO: BRIDGE FILE: 50-36-6170