

CONTRACT NO.

R/W INDEX

PROJECT	STRUCTURE	TYPE	SPAN	OVER	STATION
RF-156(20)	50-36-6170	CONT. PRESTR. REINF. CONC. I BEAM	3 SPANS 64'-3, 65'-0, 64'-3	E. FORK OF GUTHRIE CREEK	834+56.50

SHEET NO.	SHEET DESIGNATION	SUBJECT	F.H.W.A. APPROVAL
1	TITLE SHEET		
2	PARCEL LISTING		
3	R/W PLAT		
4	TYPICAL CROSS-SECTION		
5,6	PLAIN PROFILE SHEETS		
7	BRIDGE LAYOUT		
8	SOIL BORINGS		
9	GENERAL PLAN		
10	BRIDGE SUMMARY		

STATE OF INDIANA
INDIANA STATE HIGHWAY COMMISSION

CODE No. 1485

FEDERAL MEDIAN NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	RF-156(20)	1973	1	10

INDEX CONTINUED
STANDARD DRAWINGS

SHEET NO.	SHEET DESIGNATION	SUBJECT	F.H.W.A. APPROVAL	ADOPTED REVISION
BRIDGE STD. BR1	ALUMINUM BRIDGE RAILING			
BRIDGE STD. BR2	ALUMINUM BRIDGE RAILING DETAILS			
BRIDGE STD. BR3	STEEL BRIDGE RAILING			
BRIDGE STD. BR4	STEEL BRIDGE RAILING DETAILS			
BRIDGE STD. C1	MISCELLANEOUS DETAILS			
BRIDGE STD. C2	MISCELLANEOUS DETAILS			
BRIDGE STD. C3	MISCELLANEOUS DETAILS			
BRIDGE STD. C4	CASTING DETAILS ROADWAY DRAINS			
BRIDGE STD. PB	PRESTRESSED CONCRETE TYPE I-BEAMS			
BRIDGE STD. PB	PRESTRESSED CONCRETE TYPE I-BEAMS			
BRIDGE STD. PB6	PRESTRESSED BOX BEAMS			
BRIDGE STD. PB	PRESTRESSED COMPOSITE BOX BEAMS WIDE			
BRIDGE STD. PB	PRESTRESSED COMPOSITE BOX BEAMS WIDE			
BRIDGE STD. PB10	TOLERANCES FOR FABRICATION OF PRESTRESSED BEAMS			
BRIDGE STD. PB11	ELASTOMERIC BEARING PAD DETAILS			
BRIDGE STD.				
BRIDGE STD. R2A	BRIDGE LIGHTING DETAILS			
BRIDGE STD. S1	MISCELLANEOUS DETAILS			
BRIDGE STD. SH1	STEEL SHOE DETAILS			
BRIDGE STD. TSHEET A	STANDARD TEMPORARY BRIDGE			
BRIDGE STD. TSHEET B	STANDARD TEMPORARY BRIDGE			
BRIDGE STD.				
BRIDGE STD.				
ROAD STD. SHEET Acrc	STANDARD CONT. REINF. CONC. PAVEMENT			
ROAD STD. SHEET Bcrc	STANDARD CONT. REINF. CONC. PAVEMENT			
ROAD STD. SHEET Ccrc	STANDARD CONT. REINF. CONC. PAVEMENT			
ROAD STD. SHEET A	STANDARD PAVEMENT JOINTS			
ROAD STD. SHEET MA	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET MA	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET MB	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET MB2	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET MC	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET MC1	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET MD	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET MD	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET MD	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET MD	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET ME	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET ME	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET MH	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET MH	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET MI	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET MN	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET MP	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET MQ	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET MR	MISCELLANEOUS STANDARDS			
ROAD STD. SHEET				
ROAD STD.	STANDARD REINF. CONC. BOX CULVERTS			
ROAD STD.	STANDARD REINF. CONC. CULVERTS			
ROAD STD.				
ROAD STD. SHEET GR	GUARD RAIL CLASS			
ROAD STD. SHEET GR4	GUARD RAIL CLASS GA OR GST			
ROAD STD. SHEET GR5	ALUMINUM GUARD RAIL DETAILS			
ROAD STD. SHEET GR6	STEEL TUBE GUARD RAIL DETAILS			
ROAD STD. SHEET GR				
ROAD STD. SHEET GR10	GUARD RAIL BURIED ENDS			
ROAD STD.				
ROAD STD.				
ROAD STD. SHEET 1 DE TOURS	STANDARDS FOR SUPERELEVATION			
ROAD STD. SHEET 2 DE TOURS	STANDARD DETOUR SIGNS			
ROAD STD. SHEET 3 DE TOURS	STANDARD DETOUR SIGNS			
ROAD STD. SHEET 4 DE TOURS	STANDARD DETOUR SIGNS			
ROAD STD.	SPECIAL SIGNS			
ROAD STD. SHEET 1	CONSTRUCTION IDENTIFICATION SIGNS			
ROAD STD.				

RIGHT OF WAY PLANS

FOR SPANS OVER 20 FEET

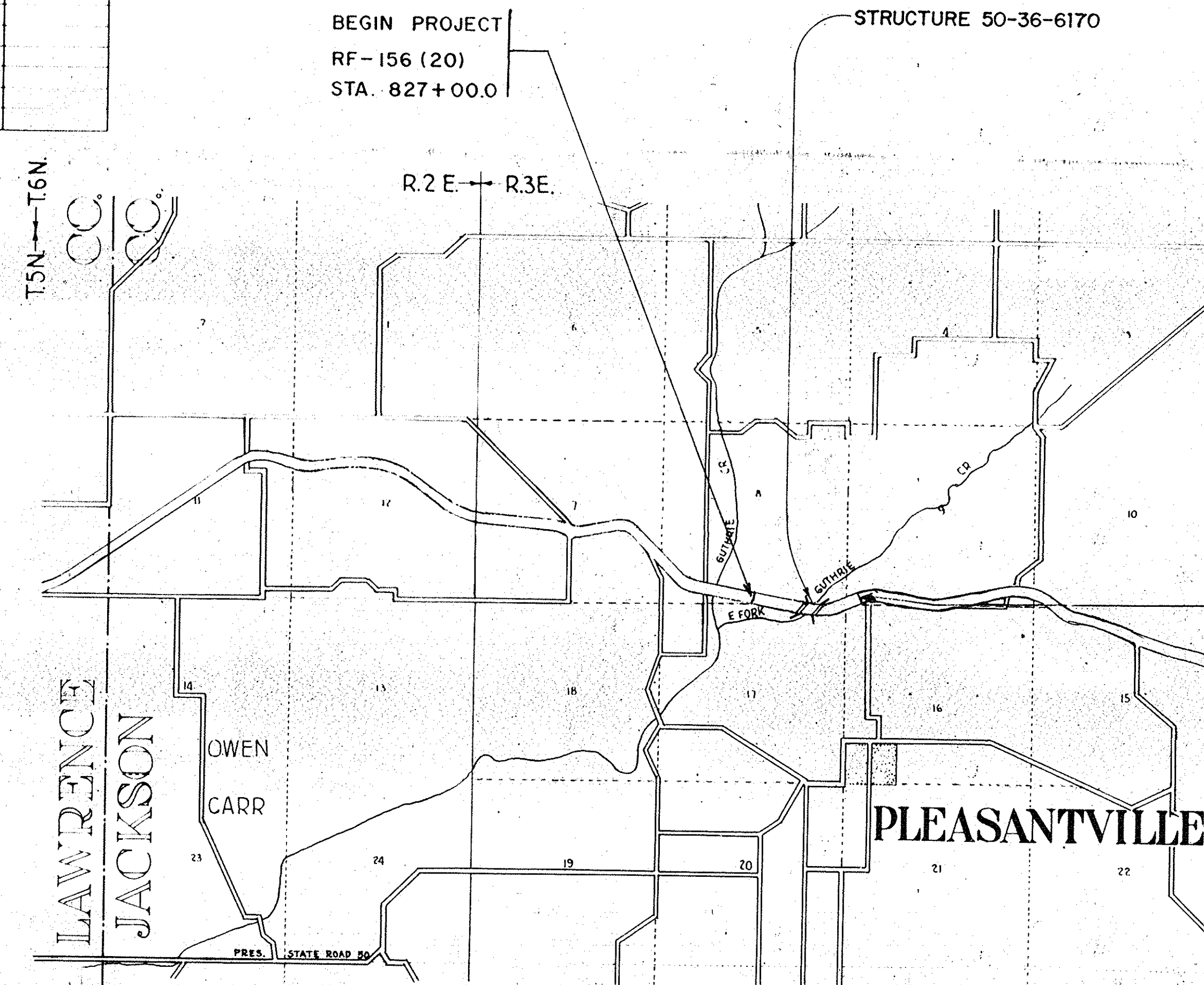
ON

STATE ROAD NO.

PROJECT NO. RF-156

~~(20) P.E.~~
~~(20) R/W~~
~~(20) CONST.~~

BEGINNING AT A POINT ON U.S. 50 (LINE "BR-A") APPROX. 1671.4' WEST OF SEC. 8-16 N.S. SEC. LINE 8 EXTENDING APPROX. 2000' EAST TO A POINT ON U.S. 50 (LINE "BR-A") IN SEC. 16 APPROX. 328.6' EAST OF SEC. 8-16 N.S. SEC. LINE. ALL IN SEC. 9, 16 & 17 - T.5N. R.3E., JACKSON CO.



Scale - 1" = 2000'

END PROJECT
RF-156(20)
STA. 847+00.0

RECOMMENDED FOR APPROVAL
John W. Branstetter
DIVISION OF LAND ACQUISITION

BRIDGE LENGTH: .038 MI.
ROADWAY LENGTH: .341 MI.
TOTAL LENGTH: .379 MI.
MAX. GRADE: 6.60 %

TRAFFIC DATA	
A.D.T. (1972)	3,630 V.P.D.
A.D.T. (1992 PROJECTED)	7,100 V.P.D.
D.H.V. (19 PROJECTED)	V.P.D.
TRUCKS	DHV. 5% ADT. 1/6%
DESIGN SPEED	70 M.P.H.
ACCESS CONTROL	NONE

APPROVED 4-13-76
G.K. Halliburton
CHIEF HIGHWAY ENGINEER - INDIANA STATE HIGHWAY COMMISSION

INDIANA STATE HIGHWAY COMMISSION
STANDARD SPECIFICATIONS DATED 1974
TO BE USED WITH THESE PLANS.

DATE	SHEET NO.	REVISIONS
4-9-76	3, 5	RS AND TEMP R/W
7-9-76	2, 3, 6, 8	NAME CHANGE, RL. REV., PARCEL 7 ADDED, 2 B ELIMINATED
8-2-76	2, 3, 5, 6, 8, 7	PL., NAME CHANGE, & EASEMENT ADDED
10-29-76	2, 3, 5, 6, 7	NAME - PARCEL 6

RECOMMENDED FOR APPROVAL
ENGINEER OF BRIDGE DESIGN, INDIANA STATE HIGHWAY COMMISSION

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION
APPROVED: _____
DIVISION ENGINEER DATE

BRIDGE FILE: 50-36-6170

ROAD USR 50 COUNTY-JACKSON PROJECT RF-156(20) L.A. CODE 1485 DATE 04/12/76

LALLO PARCEL LISTING FOR LAND ACQUISITION INDIANA STATE HIGHWAY COMMISSION

PARCEL NUMBER	GRANTOR	CENTER LINE	FROM APPROX STA.	TO APPROX STA.	PLAN SHEET	BRIDGE	TOTAL AREA	R/W EXISTING	NATURE OF TITLE	LAND TO BE ACQUIRED	RESIDUE BLDG. AREA
1	JOHNSON, R. L. ET UX.	BRA	827	827	3+5		135.083	1.583	FS	0.032	133.426
2	REYNOLDS, GEORGE E.	BRA	826	826	3+5		26.993	0.413	FS	0.112	26.426
2A	ELIMINATED	BRA	829	831	3+5				FS	0.032	
2B	ELIMINATED 7/09/76	BRA	827	831	3+5		1.074	0.254	FS	0.163	0.624
3	BAILLY, WILLIAM CUMINGS, RANDAL ET UX.	BRA	827	831	3+5		5.099	0.369	FS	0.911	3.619
4	ELIMINATED	BRA	830	835	3+5+7				FS		
4A	GILBERT, STANLEY ET UX.	BRA	833	833	3+5+7		90.085	2.722	TE	0.034	81.084
5	GILBERT, STANLEY ET UX.	BRA	830	834	5+6+7				FS	0.411	
5A	CHANEY, LIDA VANE	BRA	834	834	5+6+7				FS	4.849	
5B	CHANEY, LIDA VANE	BRA	835	839	5+6+7				TE	0.812	
6	WALDEN, RICK LEE ET AL.	BRA	830	833	3+5+7		418.601	6.837	FS	0.052	A=139.905AC B=17.342AC C=154.085AC
6A	WALDEN, RICK LEE ET AL.	BRA	843	848	3+6		1.692	0.238	FS	0.380	A=1.008 AC
7	WALDEN, RICK LEE ET AL.	BRA	828	831	3+5				TE		
7A	WALDEN, RICK LEE ET AL.	BRA	828	831	3+5				TE		

LIST OF EXCESS LANDS TO BE ACQUIRED AND A SEGREGATION BY PROJECTS OF RIGHT-OF-WAYS AND EXCESS LAND AREAS LYING IN THE OR MORE PROJECTS HAVING DIFFERENT FEDERAL PARTICIPATING RATIOS

PARCEL NUMERAL	TYPE OF TAKING	LAND TO BE ACQUIRED	PROJECT
5	EXCESS-P	0.020AC	RF-156(20)

* (ASTERISK) IN THE BRIDGE COLUMN INDICATES THE PARCEL IS PARTIALLY OR COMPLETELY WITHIN THE LIMITS OF A BRIDGE PROJECT.

† (DASH) IN THE BRIDGE COLUMN INDICATES A BUILDING TO BE REMOVED IS PARTIALLY OR COMPLETELY WITHIN THE R/W REQUIRED.

FS = FEE SIMPLE TITLE

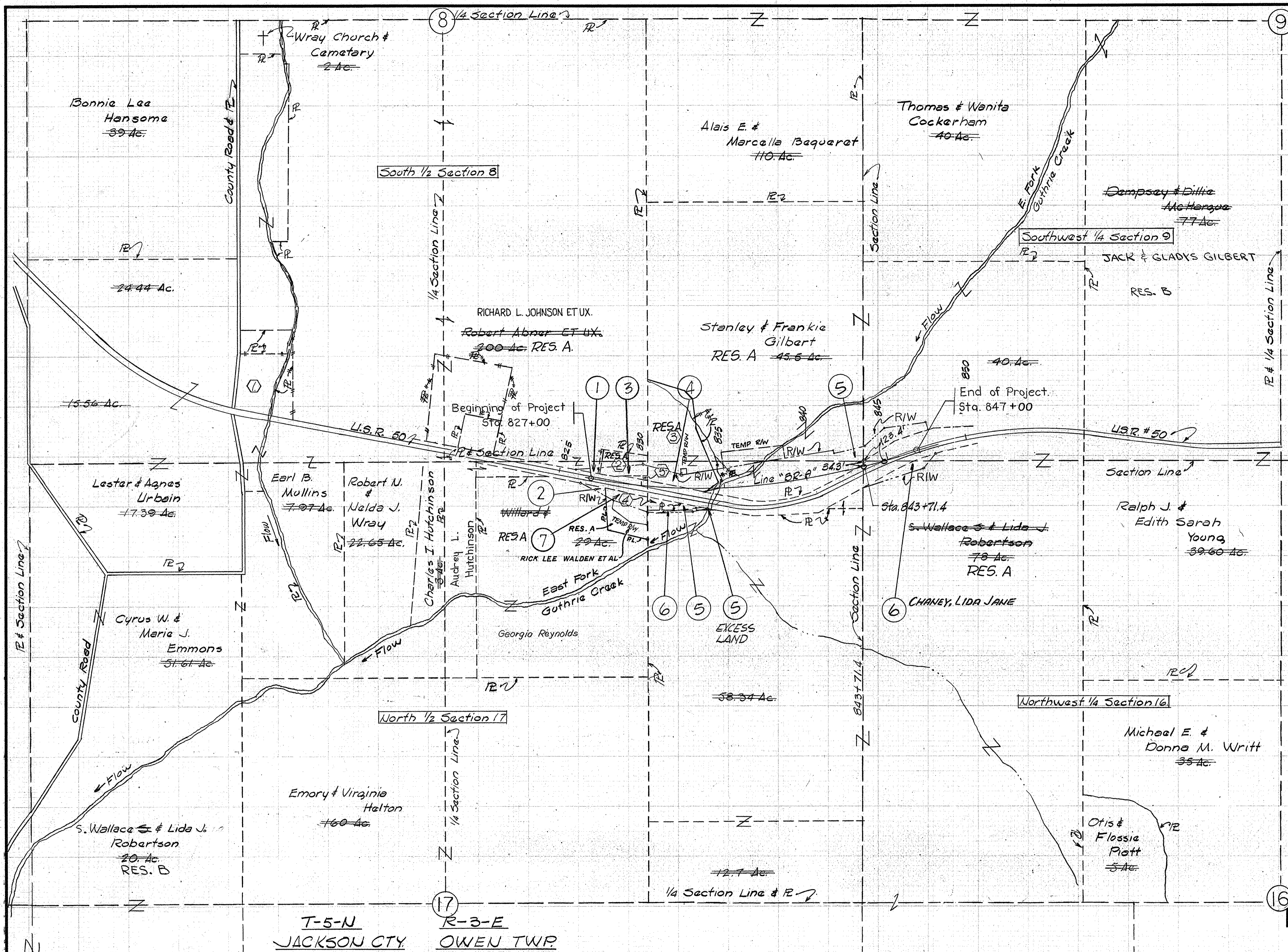
TE = TEMPORARY R/W

EXCESS-P = EXCESS LAND ACQUISITION UNDER TITLE 49, CODE OF FEDERAL REGULATIONS, SEC. 25.2531(A)(1)(i), ELIGIBLE FOR FEDERAL AID

FEDERAL ROAD PLAN NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	RF-156(20)	1973	3	10

REV. 7-9-76 PARCEL 1 NAME CHANGE & PL. REV.; PARCEL 2 NAME CHANGE & SELL-OFF; WEST P.L. PARCEL 3 REV.; PARCEL 7 ADDED.
 REV. 8-2-76 PL. & NAME CHANGE, PARCEL 4. O.W. BEST W. BEST
 REV. 10-29-76, NAME-PARCEL 6, P.J. NICKSON

- Sections 8 & 17
- ① Noel & Baulah Watters 5.5 Ac.
 - ② William Bailey 1 Ac.
 - ③ Cummings, Randal Et ux. 3 Ac.
 - ④ Stanley & Frankie Gilbert 5 Ac.
 - ⑤ ~~Willard~~ & Georgia Reynolds



T-5-N JACKSON CTY. R-3-E OWEN TWP.

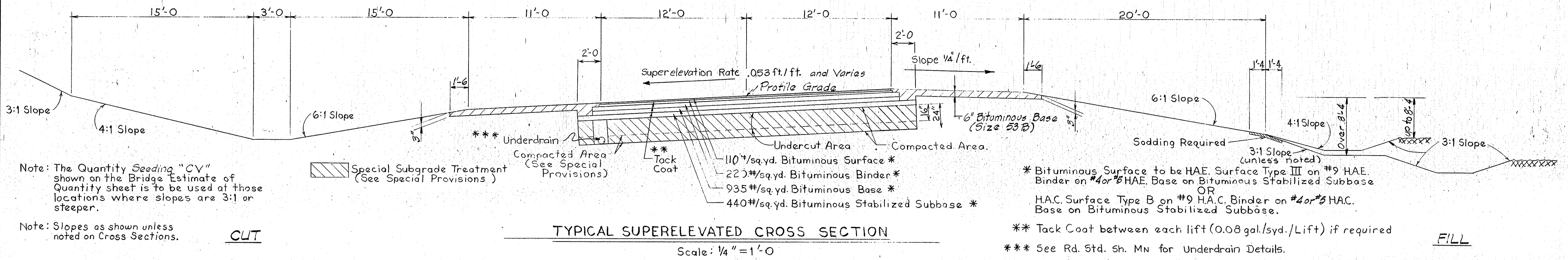
R/W PLAT
 INDIANA STATE HIGHWAY COMMISSION

SCALE: AS NOTED DATE: -

SCALE 1"=300.00'

DESIGNED: C.K.D.
 DRAWN: D.A.H. 1/73 C.K.D. N.B.S.
 TRACED: C.K.D.
 DRAWING: OF SHEET: 3 OF 10
 PROJECT: RF-156(20)
 CONTRACT NO.
 BRIDGE FILE: 50-36-6170

DESIGNED: C.K.D.
 DRAWN: D.A.H. 1/73 C.K.D. N.B.S.
 TRACED: C.K.D.



Note: The Quantity Seeding "CY" shown on the Bridge Estimate of Quantity sheet is to be used at those locations where slopes are 3:1 or steeper.

Note: Slopes as shown unless noted on Cross Sections.

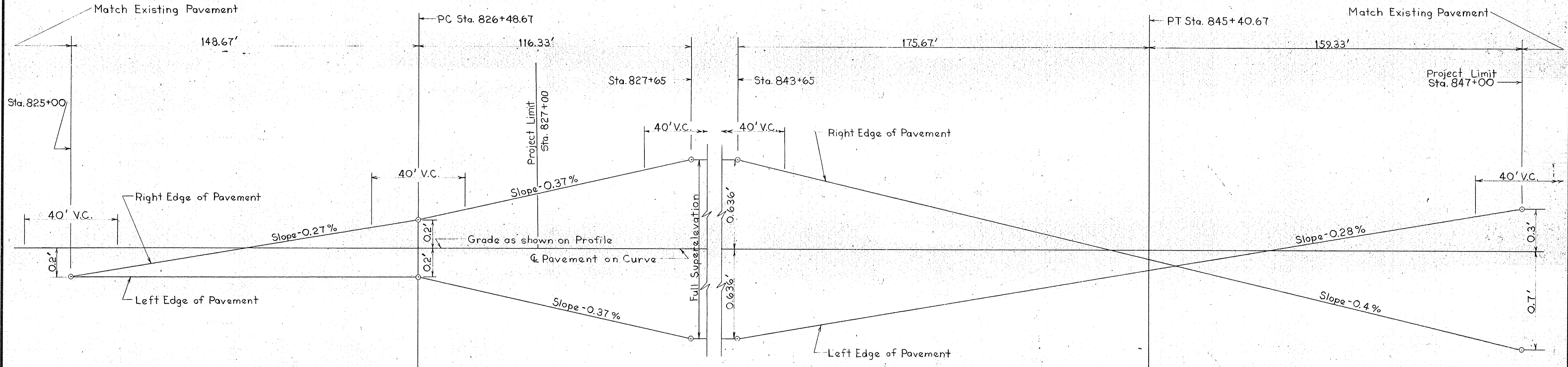
CUT

TYPICAL SUPERELEVATED CROSS SECTION

Scale: 1/4" = 1'-0"

* Bituminous Surface to be H.A.E. Surface Type III on #9 H.A.E. Binder on #4 or #5 H.A.E. Base on Bituminous Stabilized Subbase OR H.A.C. Surface Type B on #9 H.A.C. Binder on #4 or #5 H.A.C. Base on Bituminous Stabilized Subbase.
 ** Tack Coat between each lift (0.08 gal./sq.yd./Lift) if required
 *** See Rd. Std. Sh. Mn for Underdrain Details.

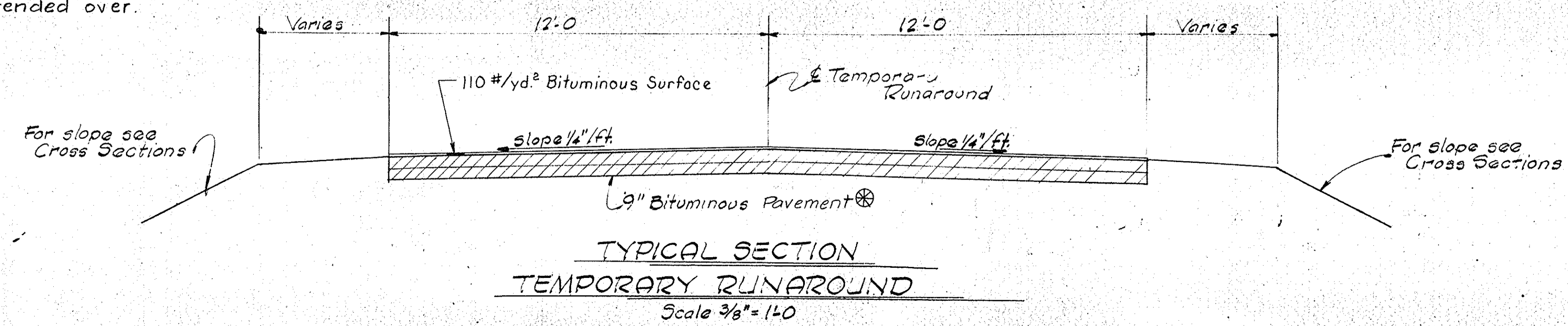
FILL



⊗ 990#/sq.yd. Bituminous Base (Size 53 B)
 110#/sq.yd. Bituminous Surface (H.A.C. or H.A.E.) †
 † Bituminous Surface to be placed if the use of the runaround is to be extended over the winter.

SUPERELEVATION TRANSITION

Scales: - Horiz.: 1" = 20' Vert.: 1" = .25'



TYPICAL SECTION TEMPORARY RUNAROUND

Scale: 3/8" = 1'-0"

TYPICAL CROSS SECTION

INDIANA STATE HIGHWAY COMMISSION

SCALE: - As Noted

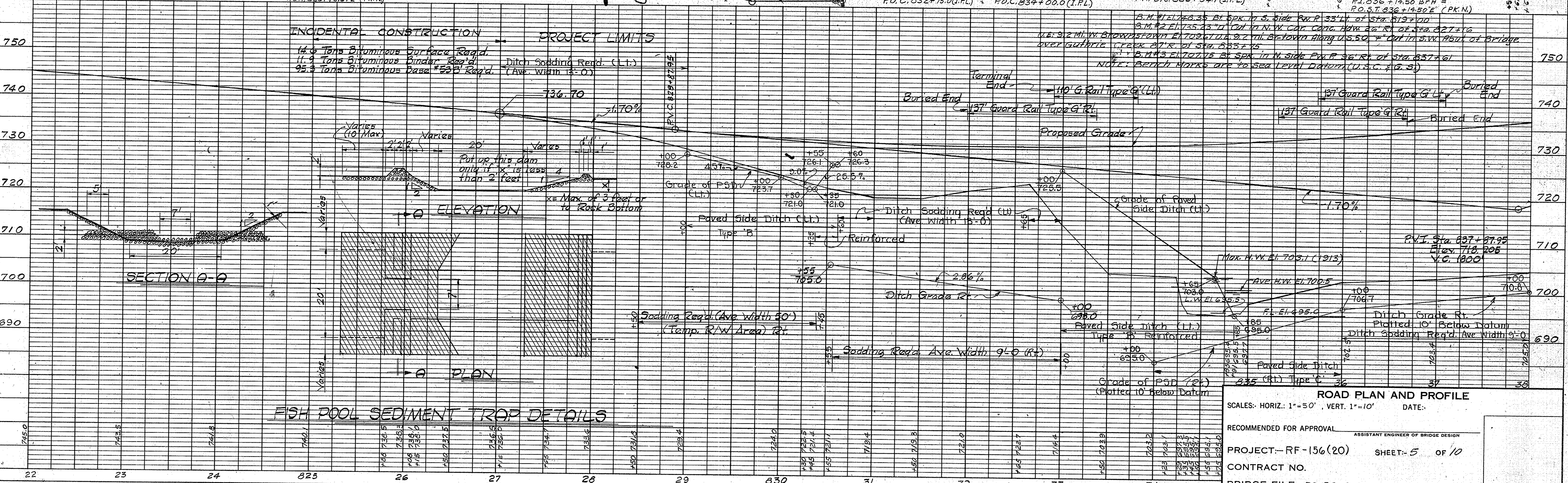
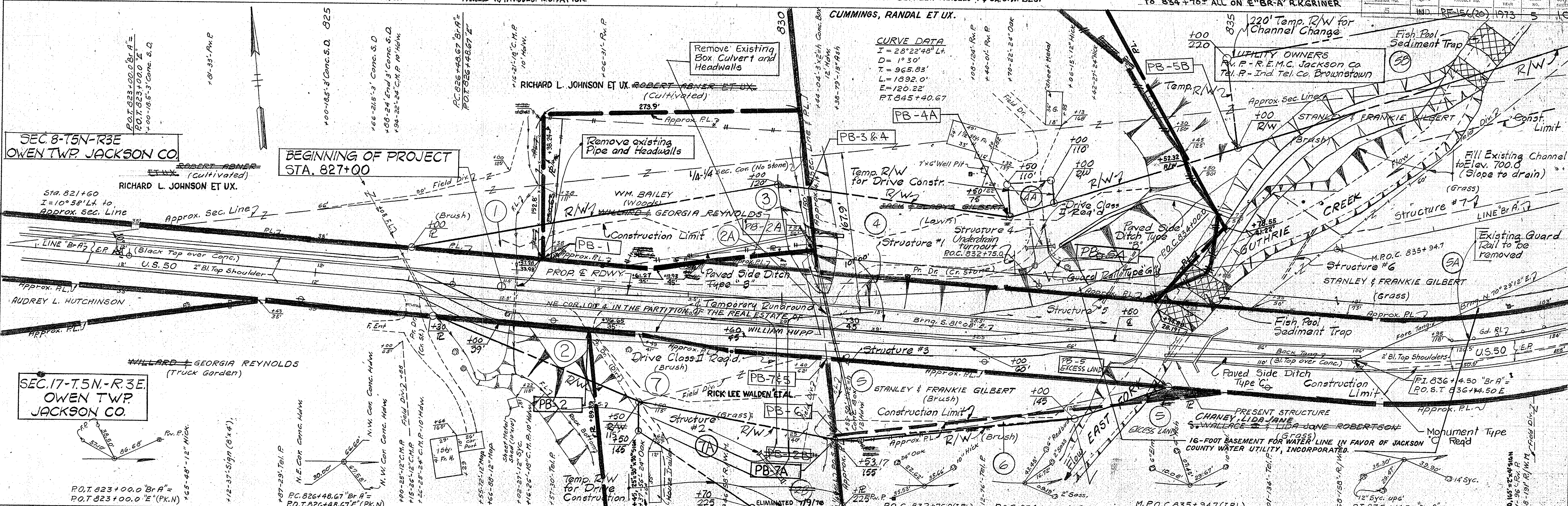
DATE: -

DRAWING: OF SHEET: 4 OF 10
 PROJECT: - RF-156 (20)
 CONTRACT NO.
 BRIDGE FILE: -50-36-6170

DESIGNED: DLE CK'D: NBS
 DRAWN: RDH CK'D: NBS
 TRACED: CK'D

PLAN
 SURVEYED BY E.C. HOLIFIELD
 PLOTTED BY E.C. HOLIFIELD
 CHECKED BY E.C. HOLIFIELD
 DATE: 11-2-73

PROFILE
 SURVEYED BY E.C. HOLIFIELD
 PLOTTED BY E.C. HOLIFIELD
 CHECKED BY E.C. HOLIFIELD
 DATE: 11-2-73



ROAD PLAN AND PROFILE
 SCALES: HORIZ.: 1"=50' VERT.: 1"=10'
 DATE: _____
 RECOMMENDED FOR APPROVAL _____ ASSISTANT ENGINEER OF BRIDGE DESIGN
 PROJECT-RF-156(20) SHEET-5 OF 10
 CONTRACT NO. _____
 BRIDGE FILE-50-36-670

PROJECT NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	RF-156(20)	1973	7

CURVE DATA
 I = 28° 22' 48" Lt.
 D = 1° 30'
 T = 965.83'
 L = 1892.0'
 E = 120.22'
 PC 826+48.67
 PI 836+14.50
 PT 845+40.67

UTILITY OWNERS
 P.W.R. - R.E.M.C. Jackson Co.
 Tel. P. - Ind. Tel. Co. - Brownstown Ind.

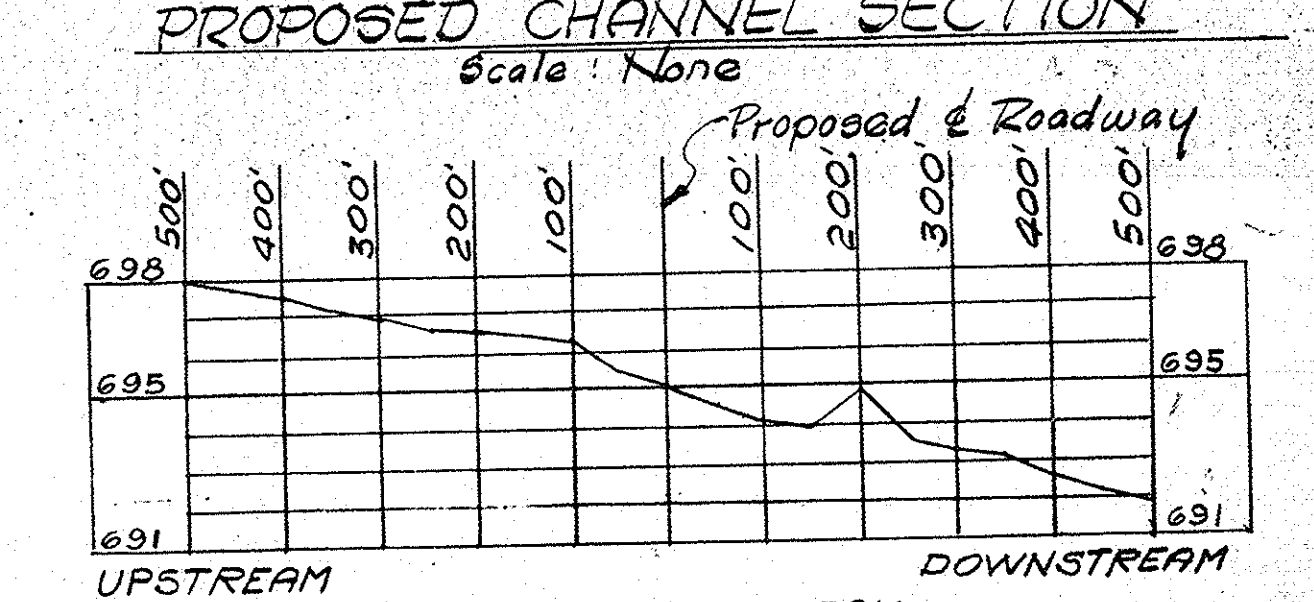
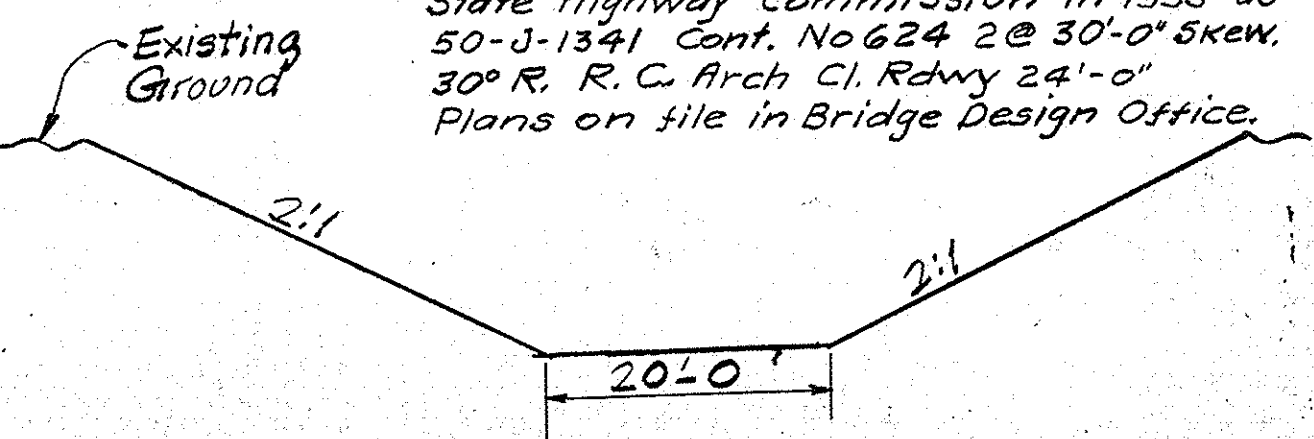
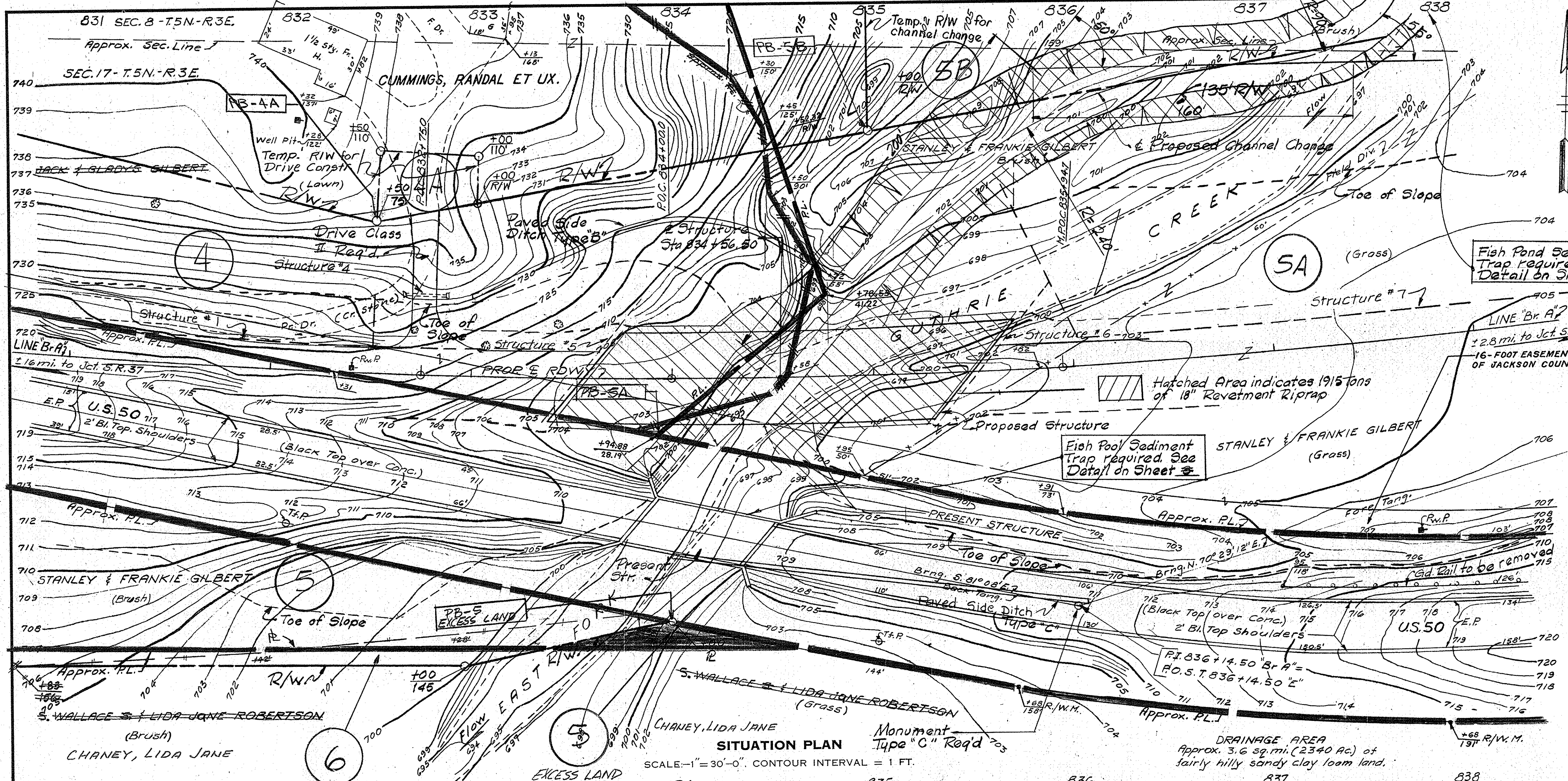
HYDRAULIC DATA

Design Flow Q₅₀ = 1417 Cfs
 Drainage Area = 3.6 Sq. Mi.
 Waterway Area Required Below Elev. 703.1 = 284 Sft.
 Waterway Area Provided Below Elev. 703.1 = 294 Sft.
 Maximum High Water Elev. = 703.1

Note: Excavation required channel change to be paid for as "Unclassified Excavation".

NOTE: SEE ROAD PLAN AND PROFILE SHEETS FOR REFERENCES.

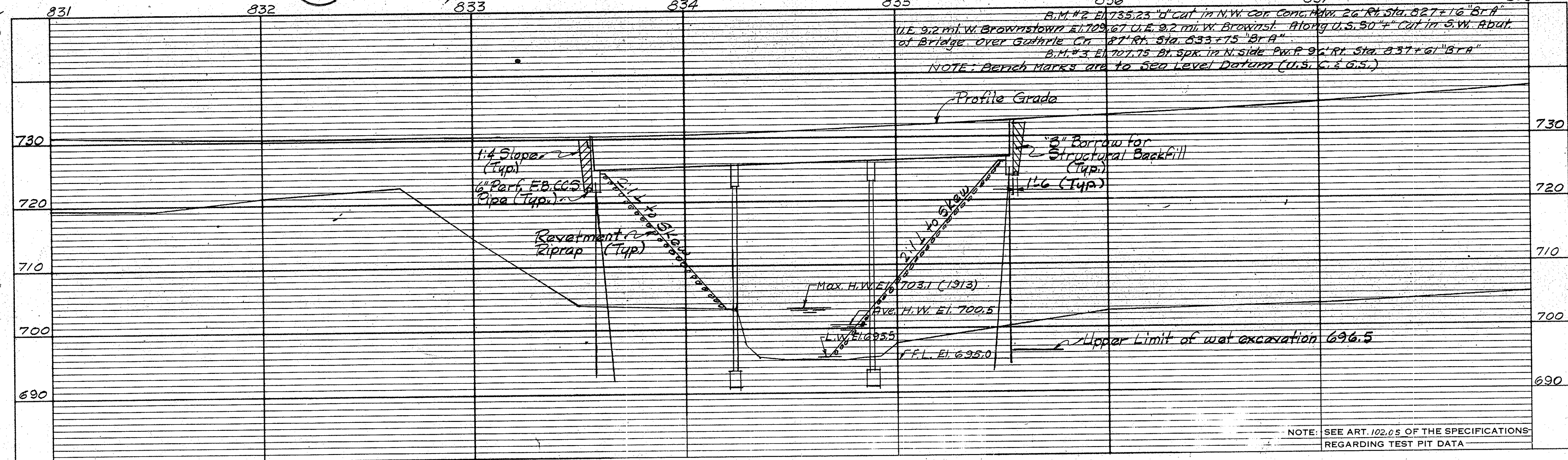
NOTE: Pres. Structure built by Indiana State Highway Commission in 1933 as 50'-3-1341 Cont. No 624 2@ 30'-0" skew. 30° R. R. C. Arch Cl. Rdwy 24'-0" Plans on file in Bridge Design Office.



EARTHWORK TABLE

Fill + 20%	176,950 Cys.
Surplus Excavation	- 30 Cys.
Unclassified Excavation	- 13,855 Cys.*
Borrow	163,065 Cys.

* Does not include channel excavation

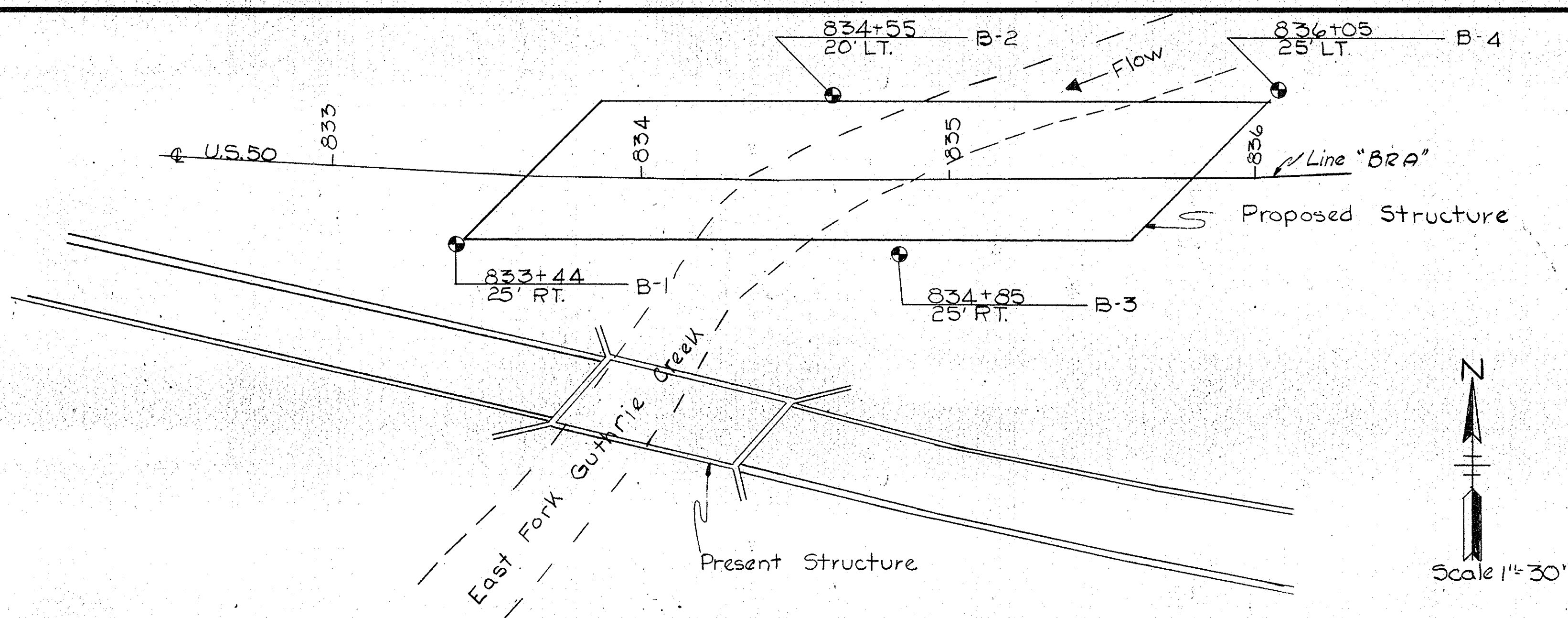


BRIDGE LAYOUT
 CONTINUOUS PRESTRESSED CONC. I-BEAM BRIDGE
 3 SPANS @ 64'-3", 65'-0", 64'-3" 40° SKEW RT. 44'-0" RDWY.
 OVER EAST FORK GUTHRIE CREEK ON U.S. 50
INDIANA STATE HIGHWAY COMMISSION

JACKSON COUNTY
 SCALE: -AS NOTED
 RECOMMENDED FOR APPROVAL: ASSISTANT ENGINEER OF BRIDGE DESIGN
 DRAWING: C1 OF SHEET: 7 OF 10
 PROJECT: RF-156(20) STATION: - 834 + 56.50
 BRIDGE CONTRACT NO.
 BRIDGE FILE: -50-36-6170

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

DRAWN: P. Rozite 2/73 C.K.D.
 DESIGNED: C.K.D.
 TRACED: C.K.D.



BORING NO. 1				BORING NO. 2				BORING NO. 3				BORING NO. 4			
STATION 833+44				STATION 834+85				STATION 834+85				STATION 836+05			
OFFSET 25' RT				OFFSET 20' LT				OFFSET 25' RT				OFFSET 25' LT			
SURFACE Elevation 704.0				SURFACE Elevation 700.0				SURFACE Elevation 700.3				SURFACE Elevation 702.3			
Elev.	*N	Depth	Description	Elev.	*N	Depth	Description	Elev.	*N	Depth	Description	Elev.	*N	Depth	Description
705			Surface				Surface				Surface				Surface
703.0		1	Topsoil				Topsoil	702.3			Topsoil	701.3		1.0	Topsoil
	3/4		Brown moist medium stiff LOAM or SANDY LOAM				Brown moist dense LOAM or SANDY LOAM with pieces of loose Stone	699.3	1.0		Brown Moist medium dense LOAM or SANDY LOAM with pieces of loose Stone.	699.3	13/12		Brown moist medium dense sandy LOAM or LOAM with pieces of loose stone.
697.5	4/2	6.5		700.0	14/12			697.3	8/12	3.0		698.3	3.0		
696.0	42/50		Gray Brown dry hard SHALE disintegrated.	695.5	7/15	4.5	Gray brown hard dry disintegrated SHALE	696.3	50/50	3.0	Gray brown dry hard disintegrated SHALE		3.0	4.0	Gray dry hard SHALE
695	50/03	8.0		694.5	50/03	5.5	Gray dry hard SHALE		02/	4.0	Gray dry hard SHALE		08%		
690	R.C. 100%	15.0	Bottom of test boring		16/50		Gray dry hard SHALE		R.C. 96%		Gray dry hard SHALE		R.C.		
685			Caved to 8.2 at completion Water at 5.5 at completion Immediate Backfill	687.5	0.2 R.C. 100%	12.5	Bottom of test boring	687.8		12.5	Bottom of test boring	689.8		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 completion Water at 1.5 at completion Immediate Backfill

SOIL BORING LOG
vert. scale: 1"=5'-0"

*N indicates the number of blows required to drive a 2" O.D. sampler 1' with 140lb. hammer falling 30" count made at 6" intervals.
Note: See Art. 102.05 of the Specifications regarding test pit data.

SOIL BORING
INDIANA STATE HIGHWAY COMMISSION

SCALE: AS NOTED DATE: -

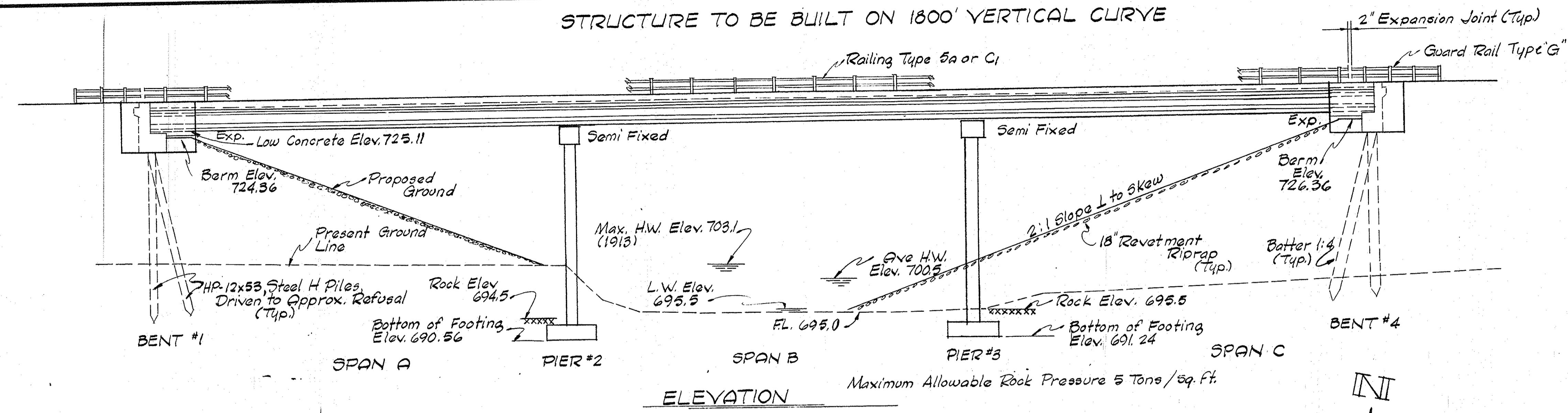
DRAWING: OF SHEET: 8 OF 10
PROJECT: RF-156(20)
CONTRACT NO.
BRIDGE FILE: 30-36-6170

DESIGNED: C.K.D.
DRAWN: D.A.G. C.K.D. J.H.
TRACED: C.K.D.

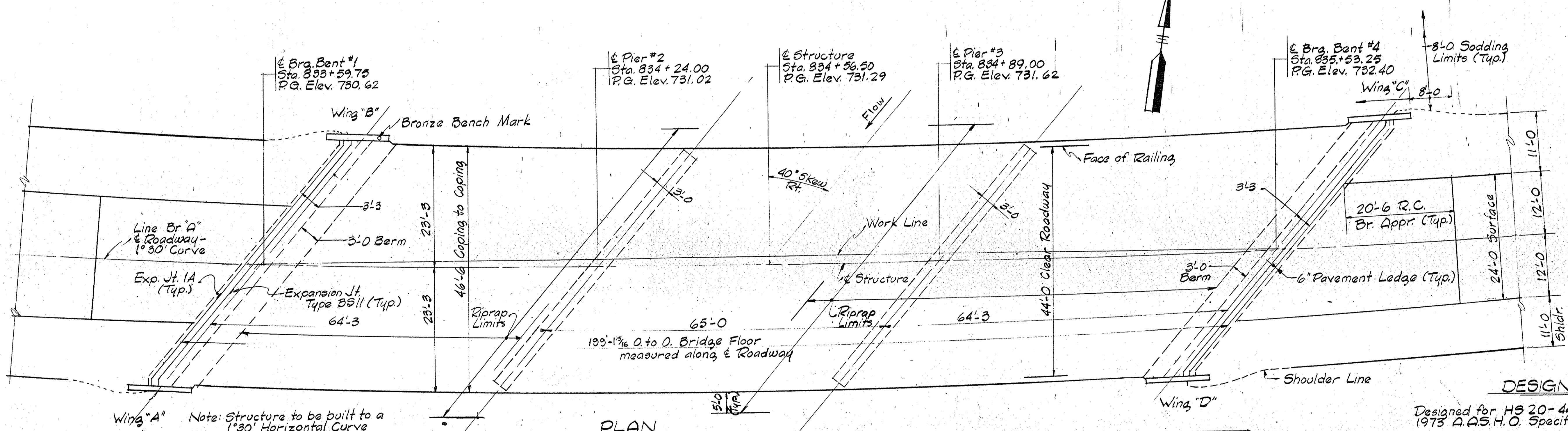
GENERAL NOTES

Depth of footings to be extended if found necessary. See Article 706.11 (c) of the Specifications.
 Footings shall extend a minimum of 6' into solid rock.
 Reinforcing steel not to be ordered until rock is uncovered.
 Determine pile lengths by Article 701 of the Specifications.
 Piles shall be driven to approximate refusal.
 Reinforcing steel coverings shall be 2 1/2 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 construction joint to be class "B".
 Concrete in Superstructure to be class "C".
 Concrete in end bents bent caps 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 noted.
 Construct riprap at locations shown on layout.
 Tolerance in position of pile head maximum 2 inches.
 All railing posts to be constructed perpendicular to grade.
 Only end bent caps, front face of mudwalls, 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 included in this contract.

STRUCTURE TO BE BUILT ON 1800' VERTICAL CURVE



ELEVATION



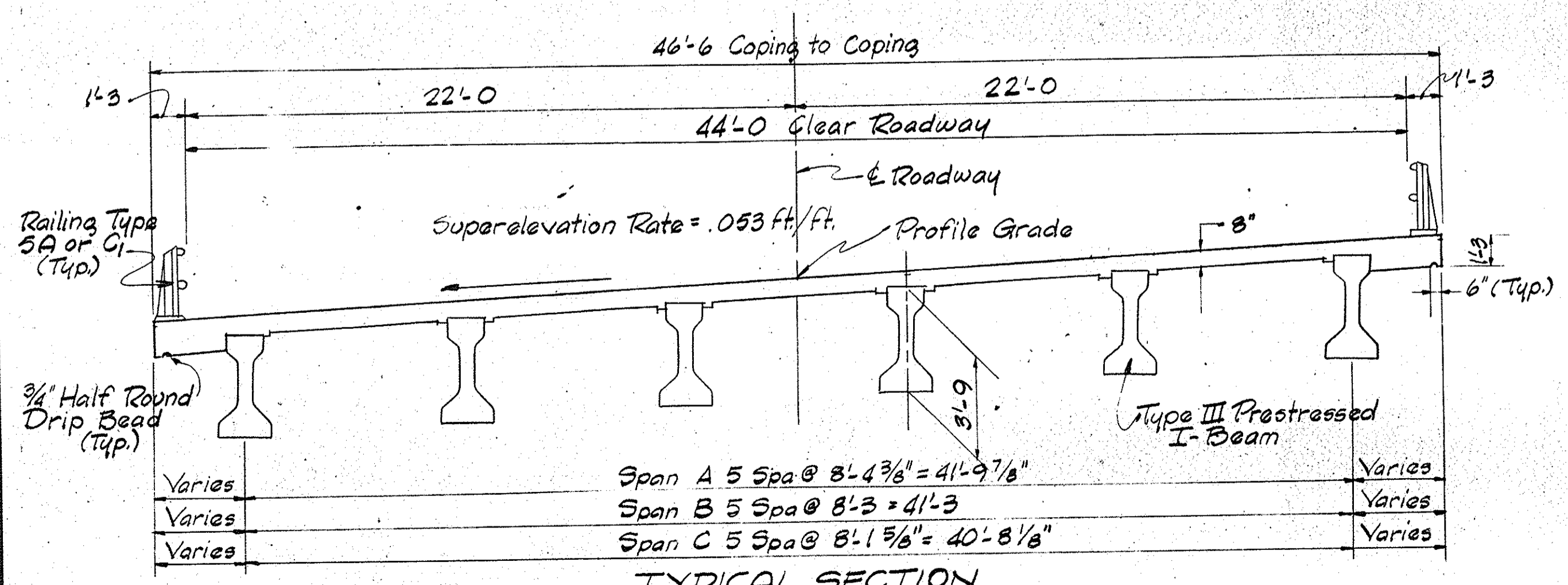
PLAN

DESIGN DATA

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

TYPICAL CROSS SECTIONS

See Sheet No. 2



TYPICAL SECTION

Scale: 1/4" = 1'-0"

DESIGNED: C.K.D.
 DRAWN: D.A.H. 8/74 C.K.D.
 TRACED: C.K.D.

Br. Std.	Rd. Std.	Purpose
BR1		Aluminum Bridge Railing
BR2		Aluminum Bridge Railing Details
BR3		Steel Bridge Railing
BR4		Steel Bridge Railing Details
C1		Reinforcing Bar Notes, Bar Bending
C2		Construction Joint Type "A", Joint Type I-A
PB3		Type III Prestressed I-Beams
PB10		Tolerance for Prestressed I-Beams
PB11		Elastomeric Bearing Pads
SI		Borrow at End Bents
MA		R.C. Bridge Approach, R/W Marker Monument
MB		Paved Side Ditch
MC		Monument Ring and Cover
MH2		Private Drive
MN		Underdrain
MP		Kind of Pipes
MT1		Delimiters
GR2		Guard Rail Type "B"
GR3		Guard Rail Type "B"
GR4		Guard Rail Type "GA" or "Gst"
GR5		Aluminum Guard Rail Details
GR6		Steel Tube Guard Rail Details
GR10		Buried End Guard Rail
Det. Sh. #2		Standard Detour Signs
Det. Sh. #2A		Barricades
Det. Sh. #3		Standard Detour Signs
Det. Sh. #3A		Standard Detour Signs
Det. Sh. #4		Standard Detour Signs

GENERAL PLAN
 CONTINUOUS PRESTRESSED CONG. 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
 JACKSON COUNTY

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

DRAWING: C2 OF SHEET: 9 OF 10
 PROJECT: RF-156 (20)
 CONTRACT NO. STA. 834 + 86.50
 BRIDGE FILE: 50-36-6170

ASSISTANT ENGINEER OF BRIDGE DESIGN

BRIDGE FILE	ITEM	CONCRETE				STRUCTURE										QUANTITIES										
		CLASS C SUPERSTR.	CLASS A SUBSTR.	CLASS B ABOVE FTG.	CLASS B IN FTG.	CONCRETE RAILING CLASS C	REINF. STEEL TOTAL	GALVANIZED REINFORCING STEEL	ANCHOR RODS MK-AR	ANCHOR PLATES MK-AP	UNTREATED TIMBER	TREATED TIMBER	STEEL ENCASED CONC.	STEEL H BEARING	CAST IRON DRAIN PIPE	CAST IRON GRATES, BASINS, & FITTINGS	RAILING TYPE 5A OR CI	EXP. JOINT TYPE B	EXP. JOINT CLASS	CONC. STR. BOX BEAMS TYPE	CONC. STR. I BEAM TYPE III	APPLIED MEMBRANE	BITUM MIXTURE FOR APPROACHES	MOD. P.C. CONCRETE SURFACE	DECK DRAIN	SURFACE SEAL
		CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	LBS.	LBS.	EACH	EACH	NO.	NO.	NO.	NO.	LBS.	LBS.	LIN. FT.	LIN. FT.	LIN. FT.	SQ. FT.	LIN. FT.	SQ. FT.	TONS	CU. YDS.	EACH	SQ. FT.
	Bent No 1		43.8				5896																			
	Pier No 2		37.6	82.0	26.7		9982																			
	Pier No 3		37.6	82.0	26.7		9982																			
	Bent No 4		46.2				6056																			
	Superstructure	306.5						82734								393.5	119			1161						
	Reinf. Steel for Approach Structures						2752																			
	Reinf. Steel for R.C. Bridge Approaches																									
	Reinf. Steel for Lip Gutter, Pvm't., Tapers, etc.																									
	TOTALS	306.5	165.2	164.0	53.4		34668	82734					14	455		393.5	119			1161						

BRIDGE FILE	STRUCT. NO.	LOCATION	APPROACH DESCRIPTION		LENGTH LIN. FT.	CONCR. CL. A IN STRS. CU. YDS.	REINF. STEEL LBS.	PIPE END SEC. EACH	REMARKS
			SIZE	KIND					
	1	827+00 to 833+50 Lt.	6"	GROUP 'K'	650'				Underdrain
	2	829+90 Rt.	15"	GROUP 'D'	36'		2		Under Drive
	3	830+45	36"	GROUP 'A' FBCCS	160'		2		
	4	832+80 Lt.	15"	GROUP 'D'	44'		2		Under Drive
	5	833+60	6"	Perf. FBCCS	76'				To Drain 'B' Borrow
	6	835+50	6"	Perf. FBCCS	76'				To Drain 'B' Borrow
	7	836+00 to 846+00 Lt.	6"	GROUP 'K'	1000'				Underdrain
		832+50	6"	Non Perf. FBCCS	28'				Underdrain Turnout
		836+00	6"	Non Perf. FBCCS	87'				Underdrain Turnout
		TOTALS							Total of Reinforcing Steel Carried to "Structure Quantities"

LT OR RT.	STATION TO STATION	TYPE	PAVED SIDE DITCH (LIN. FT.)				SODDING (SQ. YD.)						
			PAY LENGTH	NO. OF LUGS	PAY LENGTH	CUT OFF WALLS	PAY LENGTH	TOTAL PAY LENGTH	FOR PSD	FOR DITCHES	SHOULDERS	OTHER	TOTAL SOD
Lt.	829+00 to 830+35	B	135	1	4	1	5	144	40				40
*Lt.	830+35 to 830+60	B	28	1	4	1	5	37	7				7
*Lt.	833+00 to 834+85	B	209	2	8	2	10	227	56				56
Lt.	844+70 to 847+70	G	305	2	8	2	10	323	90				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
Lt.	833+25 to 834+00										22		22
Lt.	838+50 to 840+50										59		59
Lt.	843+75 to 847+50										111		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

LOCATION LT/RT	STATION	DESCRIPTION	WIDTH FT.	RADI FT.	GRADE %	LENGTH FT.	DIST. BEYOND FT.	EXCAVATION (C&S)		BITUM. SURFACE		BITUM. BINDER		BITUM. BASE		COMP. AGG. BASE	
								CUT	FILL	#/SQ. YD.	TONS	#/SQ. YD.	TONS	#/SQ. YD.	TONS	Depth (in)	TONS
Rt.	830+00	Drive Class II	12	20	5	9.9	290	170		3450	110	21.8		220	43.7	3	64.4
Lt.	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

⊕ Included in Mainline Quantities

NOTES:
Weight of Spirals includes weight of 1/2 extra turns top and bottom.
Spacers and 1/2 turns at laps included in cost of Spiral.

MARCH 1975
SUMMARIZED NBS C'k'd DLE
TRACED RDH C'k'd NBS

REVISIONS	
DATE	ITEM

BRIDGE SUMMARY
INDIANA STATE HIGHWAY COMMISSION

DATE

ASSISTANT ENGINEER OF BRIDGE DESIGN

SHEET 10 OF 10

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