

ROAD SR 19 COUNTY-KOSCIUSKO PROJECT 85-2943 (4) L.A. CODE 2440 DATE 09-14-88

PARCEL LISTING FOR LAND ACQUISITION INDIANA DEPARTMENT OF HIGHWAYS

PARCEL NUMBER	GRANTOR	CENTER LINE	FROM APPROX STA.	TO APPROX STA.	PLAN SHEET	BRIDGE	TOTAL AREA	R/W EXISTING	NATURE OF TITLE ACQUIRED	LAND TO BE ACQUIRED	RESIDUE AREA	BLDG.
1	SCHWARTZ, HENNO R. ET UX.	A	196	201	4+ 5+ 6		158.227AC	4.593AC	FS	2.120AC	A=151.516AC	
1A	TYLER, WARREN	A	196	201	4+ 5+ 6		40.060AC	0.268	SP CONTR-SALE		A= 37.733AC	
1B		PRA	195	201	4+ 5		80.060AC	0.062AC	FS	0.329AC	B= 39.465AC	ELIMINATED
2A	KLOTR, KENT L. ET AL.	PRA	195	201	4+ 5				SP	1.730AC		
3		A	201	206	4+ 5+ 6		126.230AC	2.300AC	FS	0.582AC	A=123.346AC	
4	SCHWARTZ, JOHN L. ET UX. PRA	PRA	201	207	4+ 5		114.940AC	1.933AC	FS	0.752AC	A=112.255AC	
5	VODER, GLENN R. ET UX.	A	206	207	4+ 5		3.571AC	0.112AC	FS	0.078AC	A= 3.381AC	

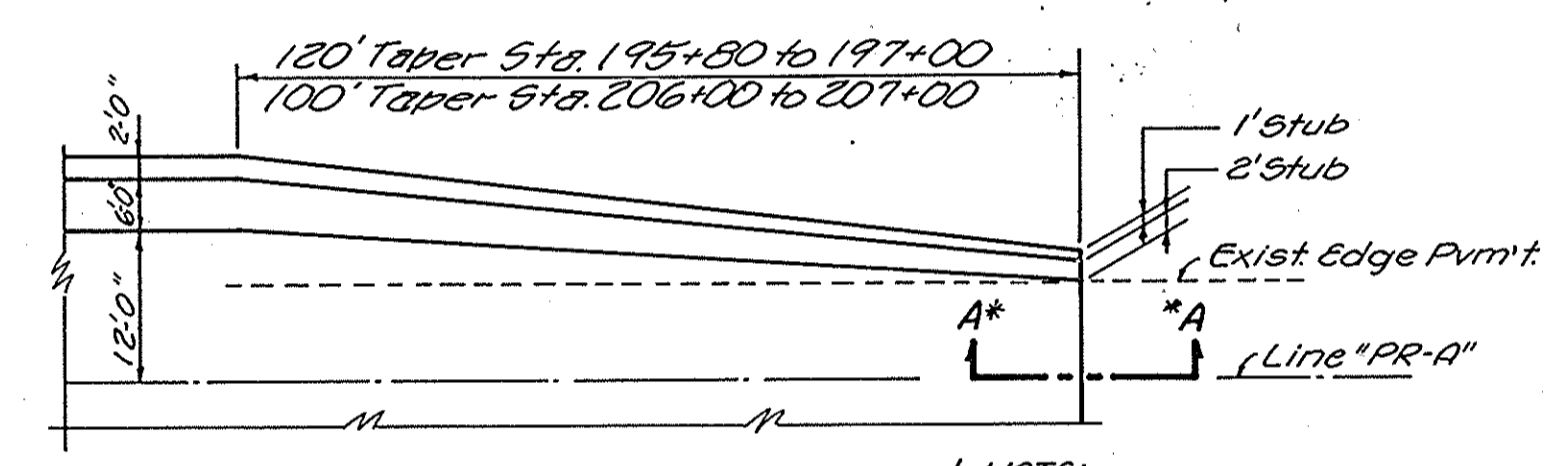
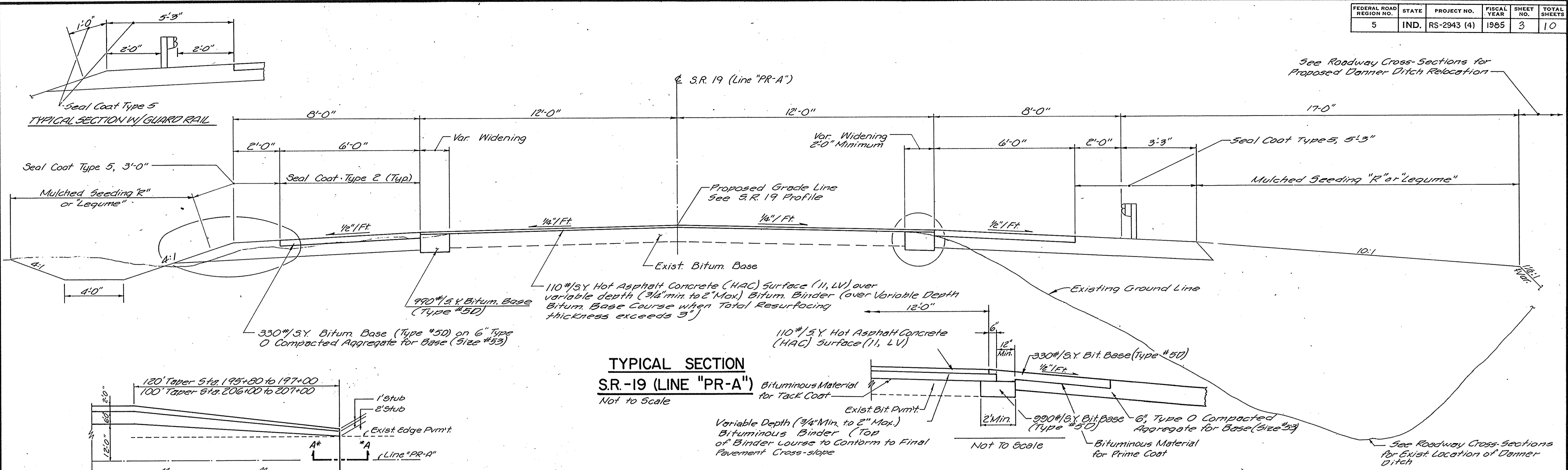
REV/2/88 R.Y. GRINER

* (ASTERISK) IN THE BRIDGE COLUMN INDICATES THE PARCEL IS PARTIALLY OR COMPLETELY WITHIN THE LIMITS OF A BRIDGE PROJECT.
 * (DASH) IN THE BLDG. COLUMN INDICATES A BUILDING TO BE REMOVED IS PARTIALLY OR COMPLETELY WITHIN THE R/W REQUIRED.
 CONTR-SALE = RELEASE OF CONTRACT INTEREST
 SP = SPECIAL INSTRUMENT FOR CLEARING SPECIAL INTERESTS (CC DEED, SPECIAL R/W GRANT, RELEASE OF LEASEHOLD, ETC.)
 FS = FEE SIMPLE TITLE

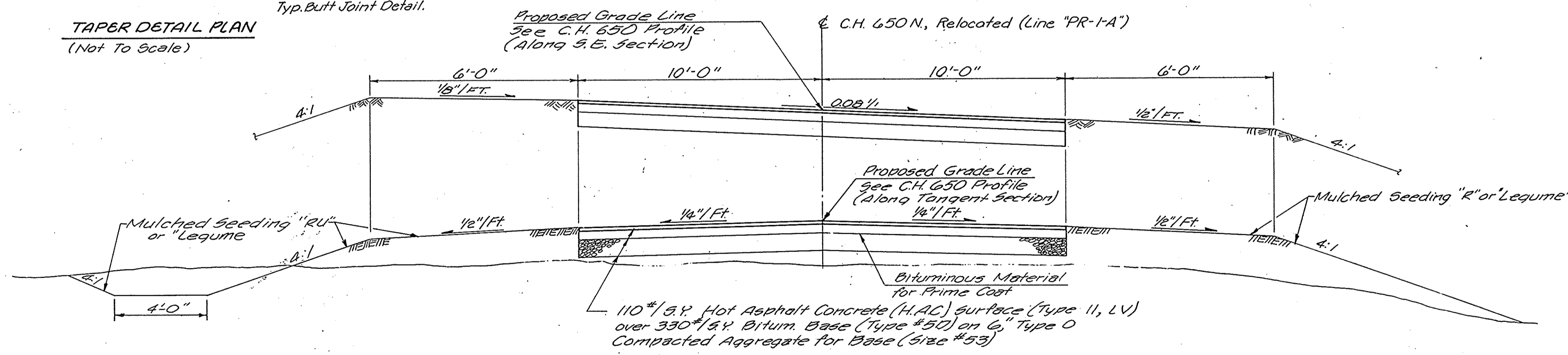
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	IND.	RS-2943(4)	1988	2	10

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	IND.	RS-2943(4)	1988	2	10

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	RS-2943 (4)	1965	3	10

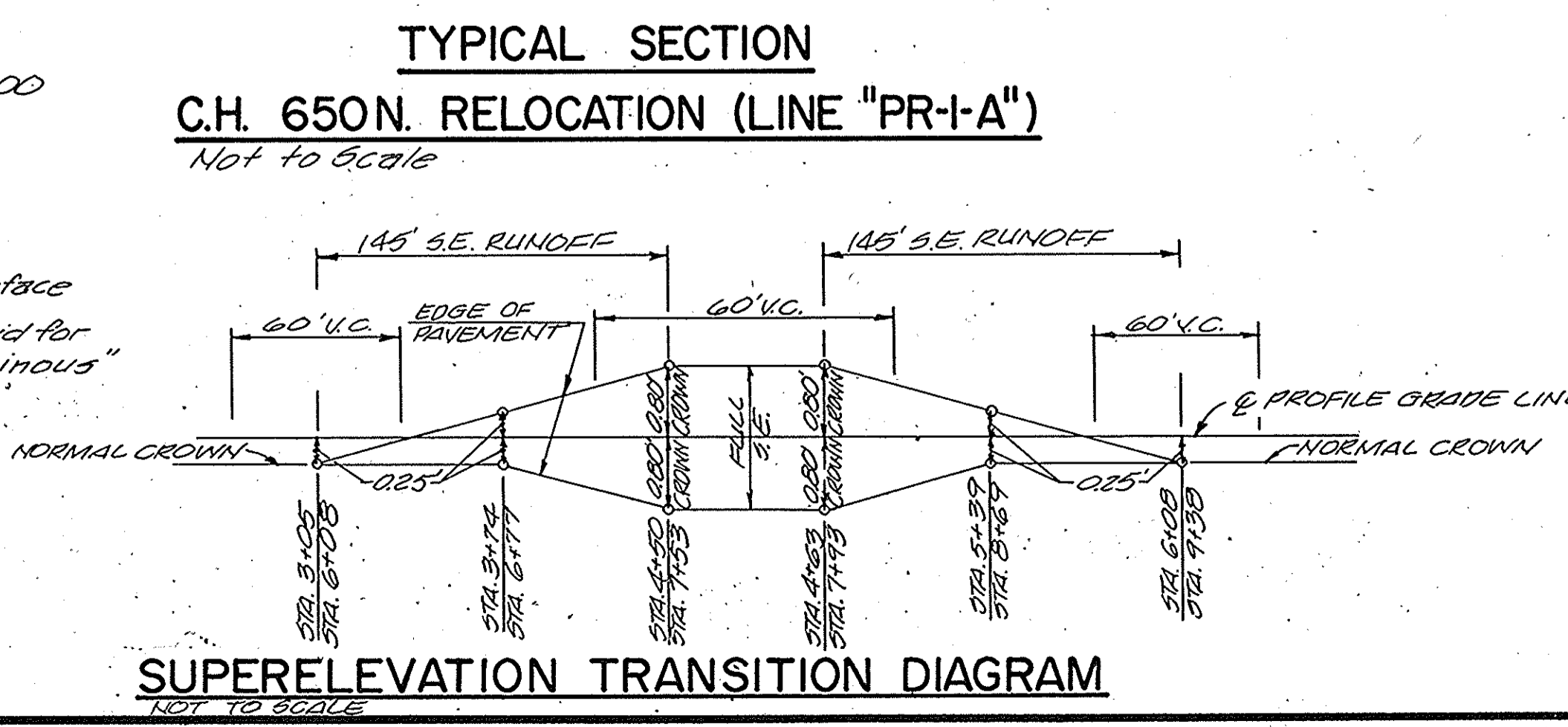
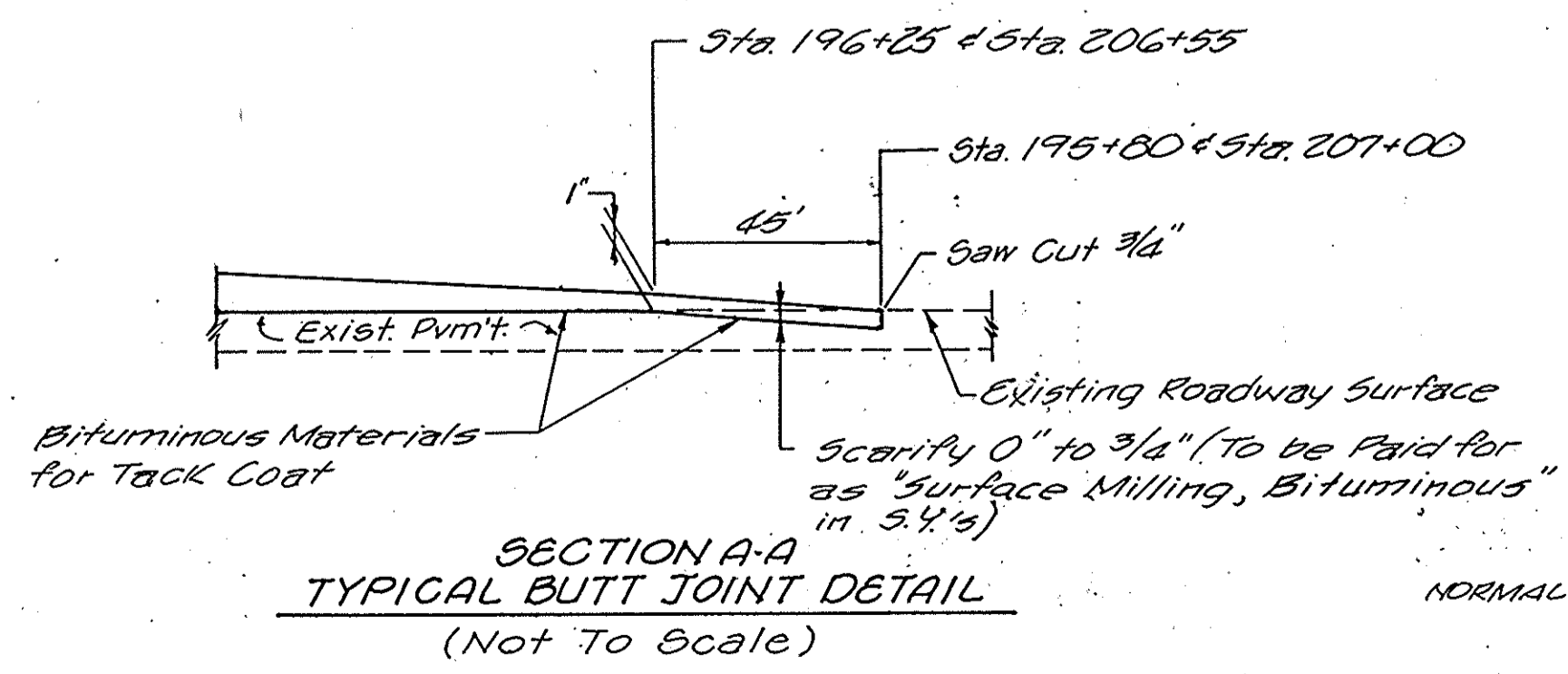


* NOTE:
See Sec. A-A This Sht. For Typ. Butt Joint Detail.



MATERIAL NOTE:
Unless Otherwise Specified, The Contractor Shall Have The Option Of Using Either "Hot Asphaltic Concrete" (H.A.C.) Or "Hot Asphaltic Emulsion" (H.A.E.) On All Bituminous Items Except Surface.

NOTE:
The Quantity "Mulched Seeding CV" As Shown On The Estimate Of Quantities Sheet Is To Be Used On All Slopes 3:1 Or Steeper, Or Granular Slopes (Cut Or Fill) Or Slopes Highly Susceptible To Erosion, As Directed By The Engineer.



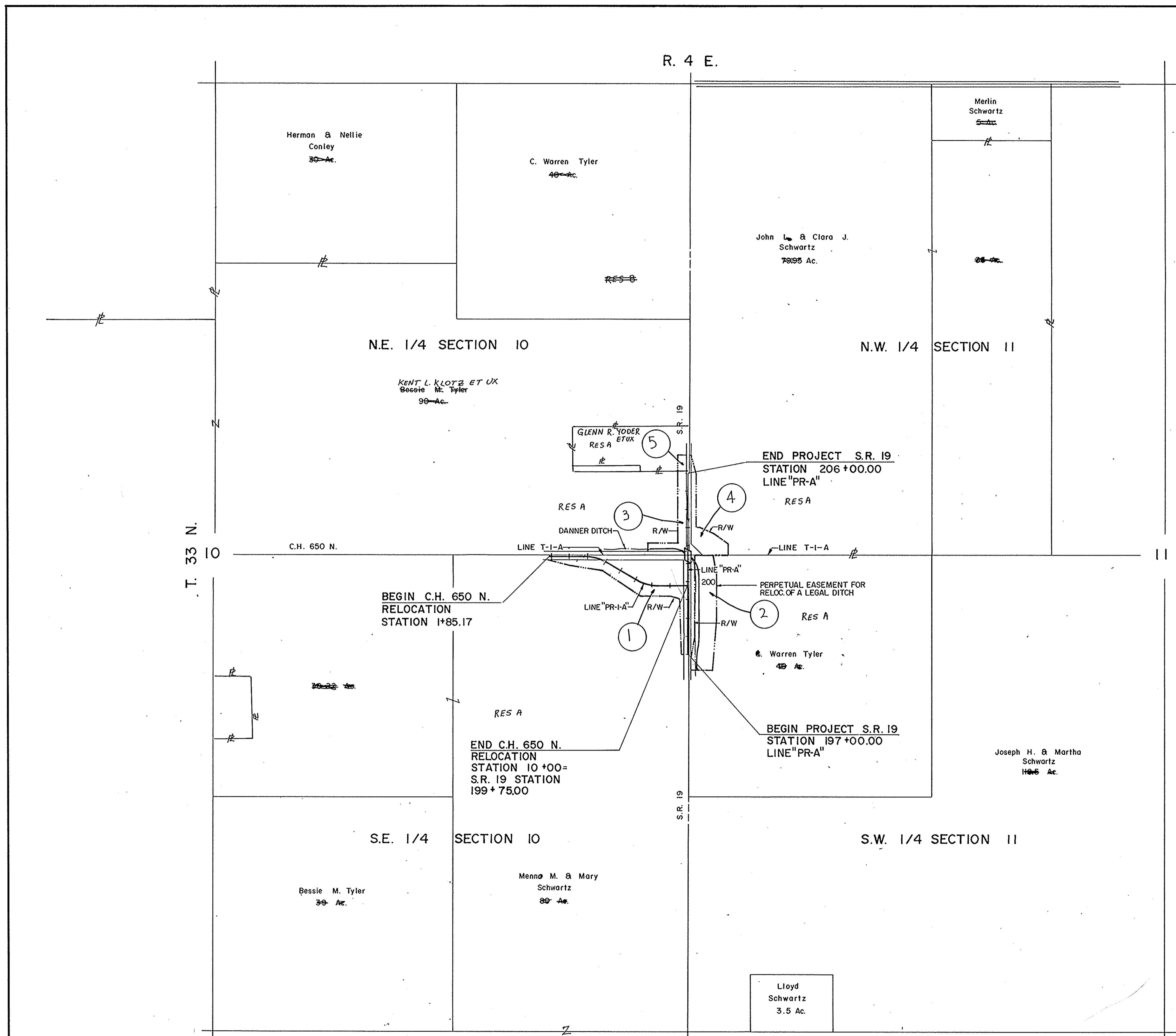
TYPICAL CROSS SECTIONS

SCALE: - NONE

SUBMITTED FOR APPROVAL _____

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
RS-2943 (4)		3	10	19-43-6149

2440



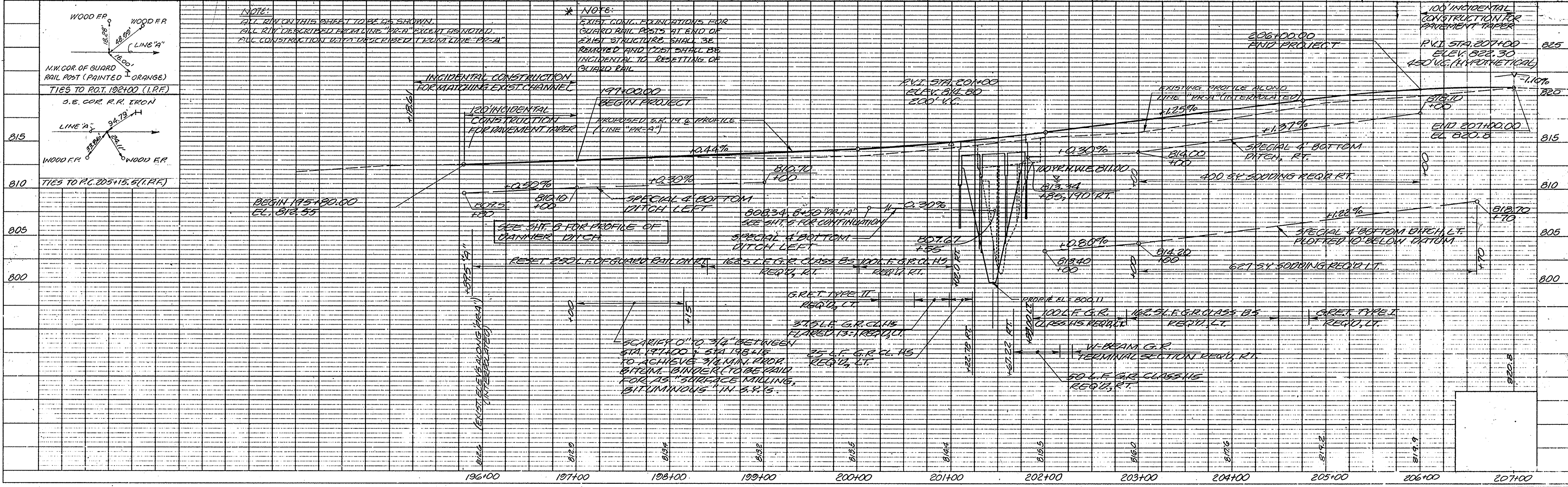
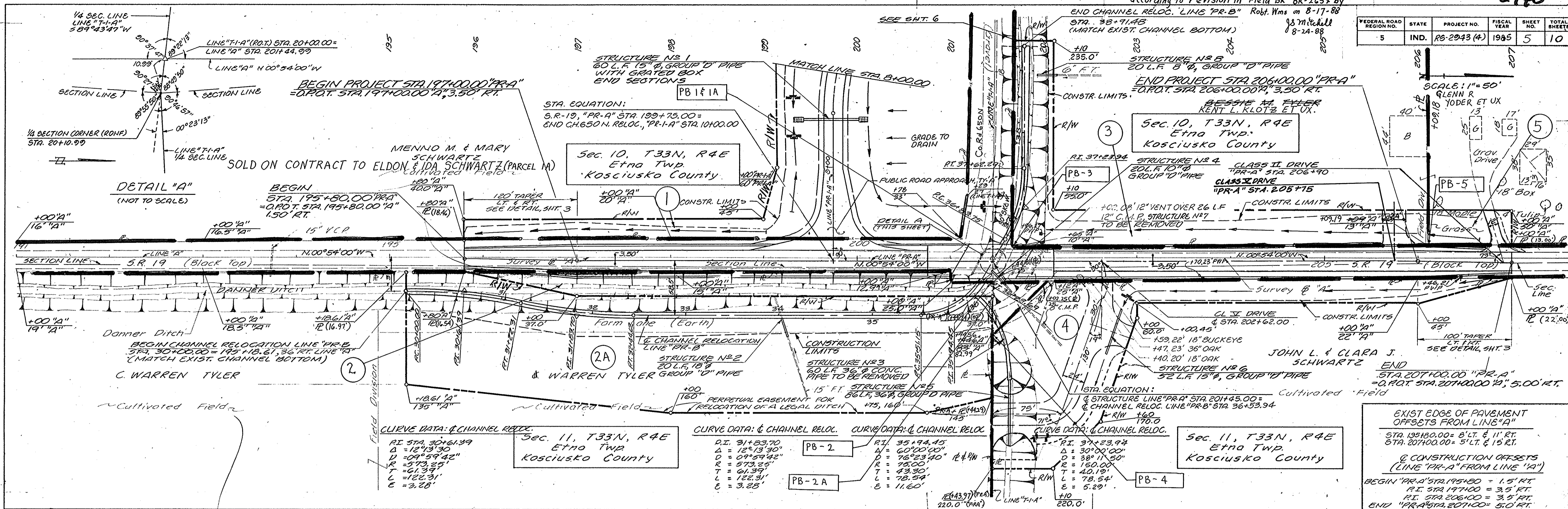
ETNA TWP. - KOSCIUSKO CO.
STATE OF INDIANA

PLAT NO. 1
FOR DESIGN DEPT.

SHEET 4 of 10
SCALE: 1" = 300'

PROJECT NO. R.S. - 2943 (4)

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	RS-2943 (4)	1985	5	10



PLAN

NOTED: ALL R/W ON THIS SHEET TO BE AS SHOWN. ALL R/W DESCRIBED FROM LINE "PR-A" EXCEPT BEHIND. ALL CONSTRUCTION TO BE DESCRIBED FROM LINE "PR-A"

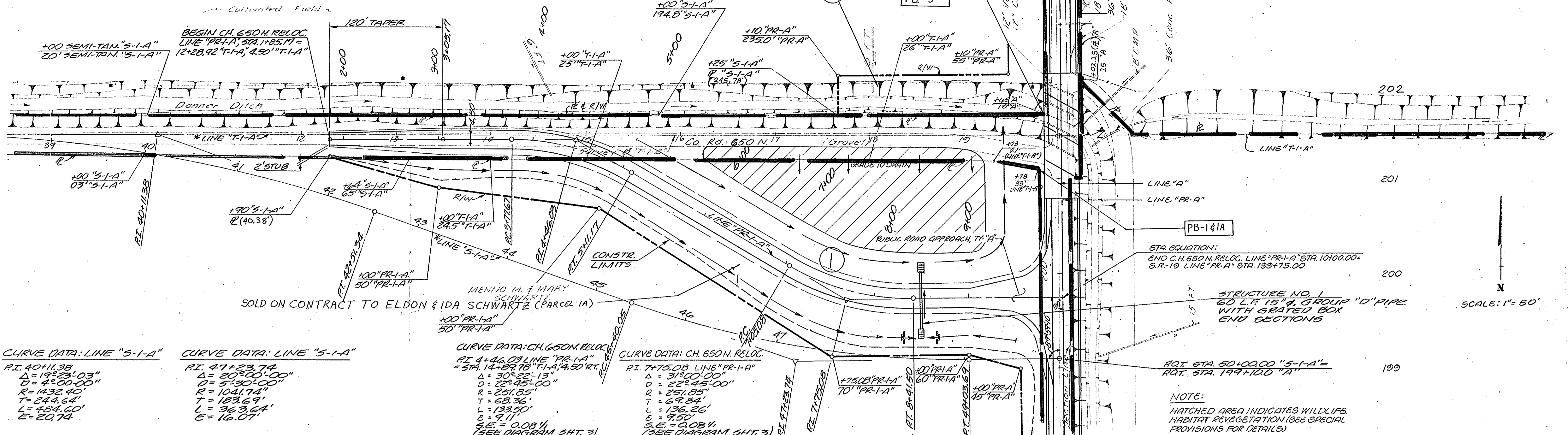
PROFILE

NOTED: ALL R/W ON THIS SHEET TO BE AS SHOWN. ALL R/W DESCRIBED FROM LINE "PR-A" EXCEPT BEHIND. ALL CONSTRUCTION TO BE DESCRIBED FROM LINE "PR-A"

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	RS-2943(4)	1985	6	10

Sec. 10, T33N, R4E
Etna Twp
Kosciusco County

KENT L. KLOTZ ET UX.
BESSIE M. FYLER



PLAN
SURVEYED BY: B.L.F.
NOTED BY: B.L.F.
DATE: 8/25/84
SCALE: 1"=50'
ALIGNED CHECKED BY: B.L.F.
NO. OF WAY CHECKED BY: B.L.F.

PROFILE
SURVEYED BY: B.L.F.
NOTED BY: B.L.F.
DATE: 8/25/84
SCALE: 1"=50'
ALIGNED CHECKED BY: B.L.F.
NO. OF WAY CHECKED BY: B.L.F.

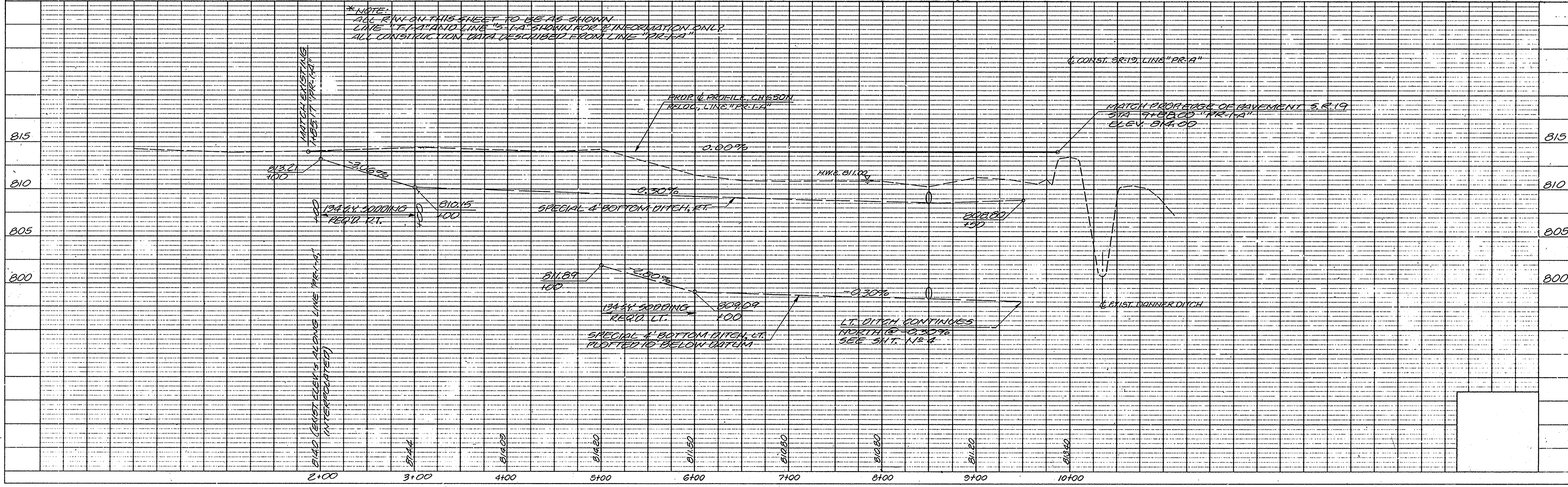
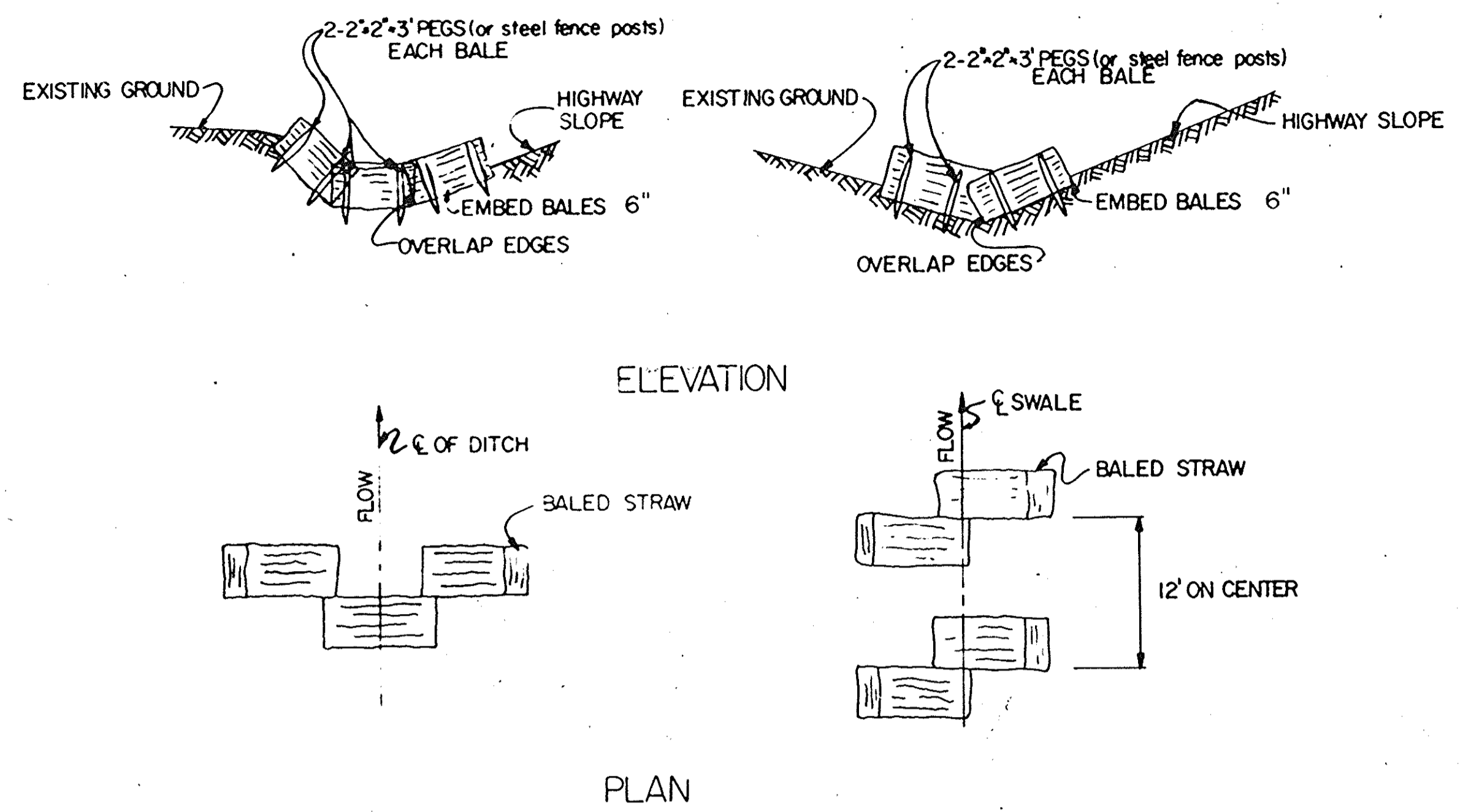
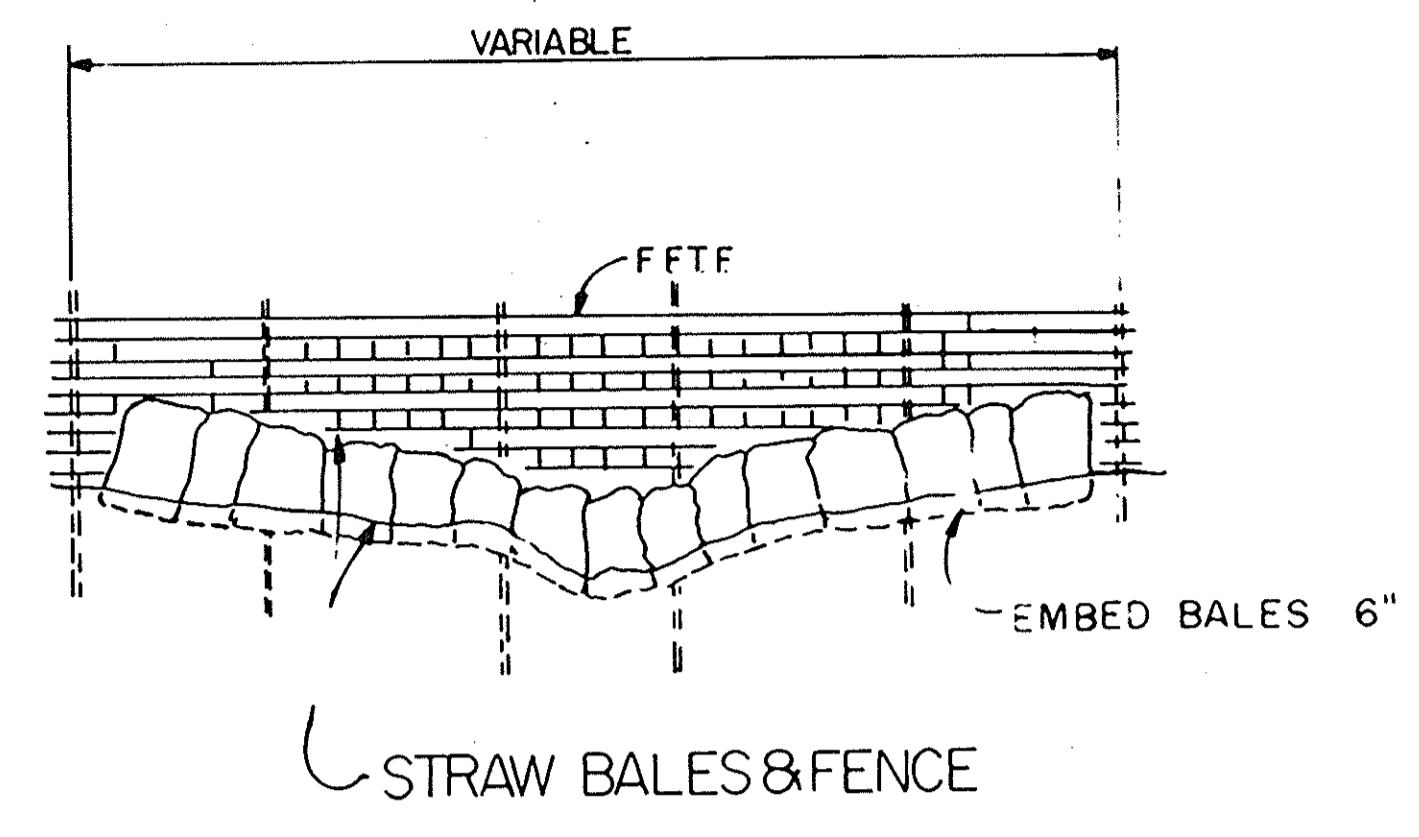


PLATE 1 - PLAN - PROFILE D. R. R. STANDARD
1975

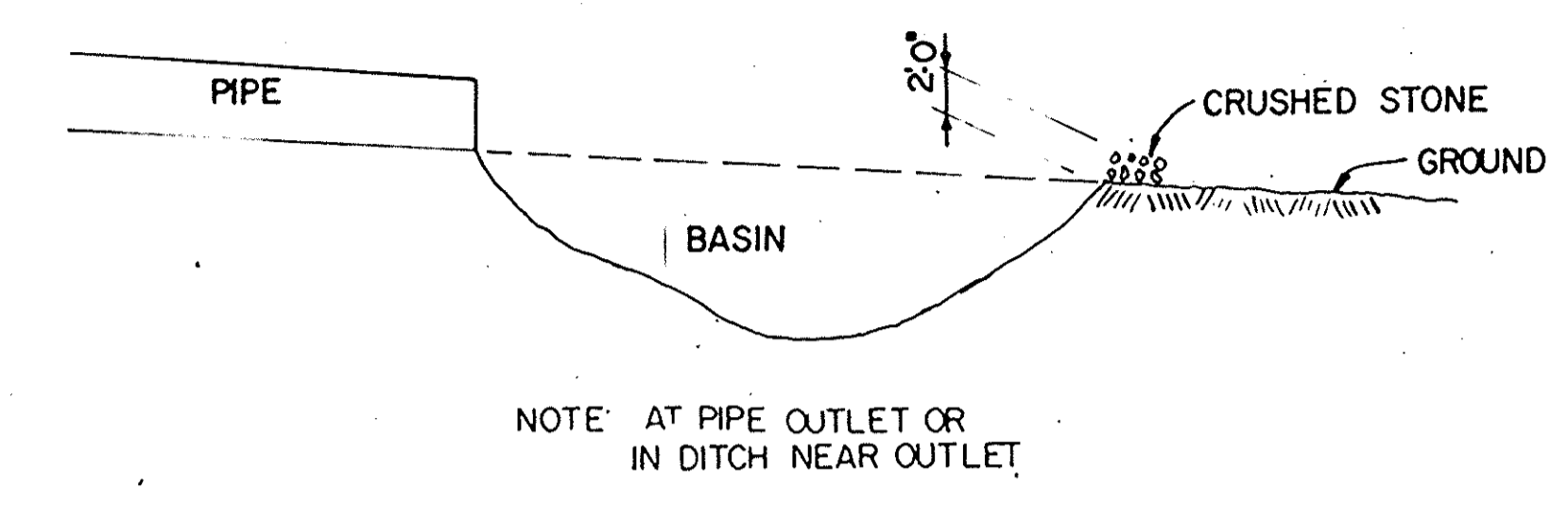
PROJECT NO.	LINE NO.	SHEET NO.	TOTAL SHEETS	FILE
RS-2943(4)	PR-1-A	6	10	10-93-6149



METHOD A



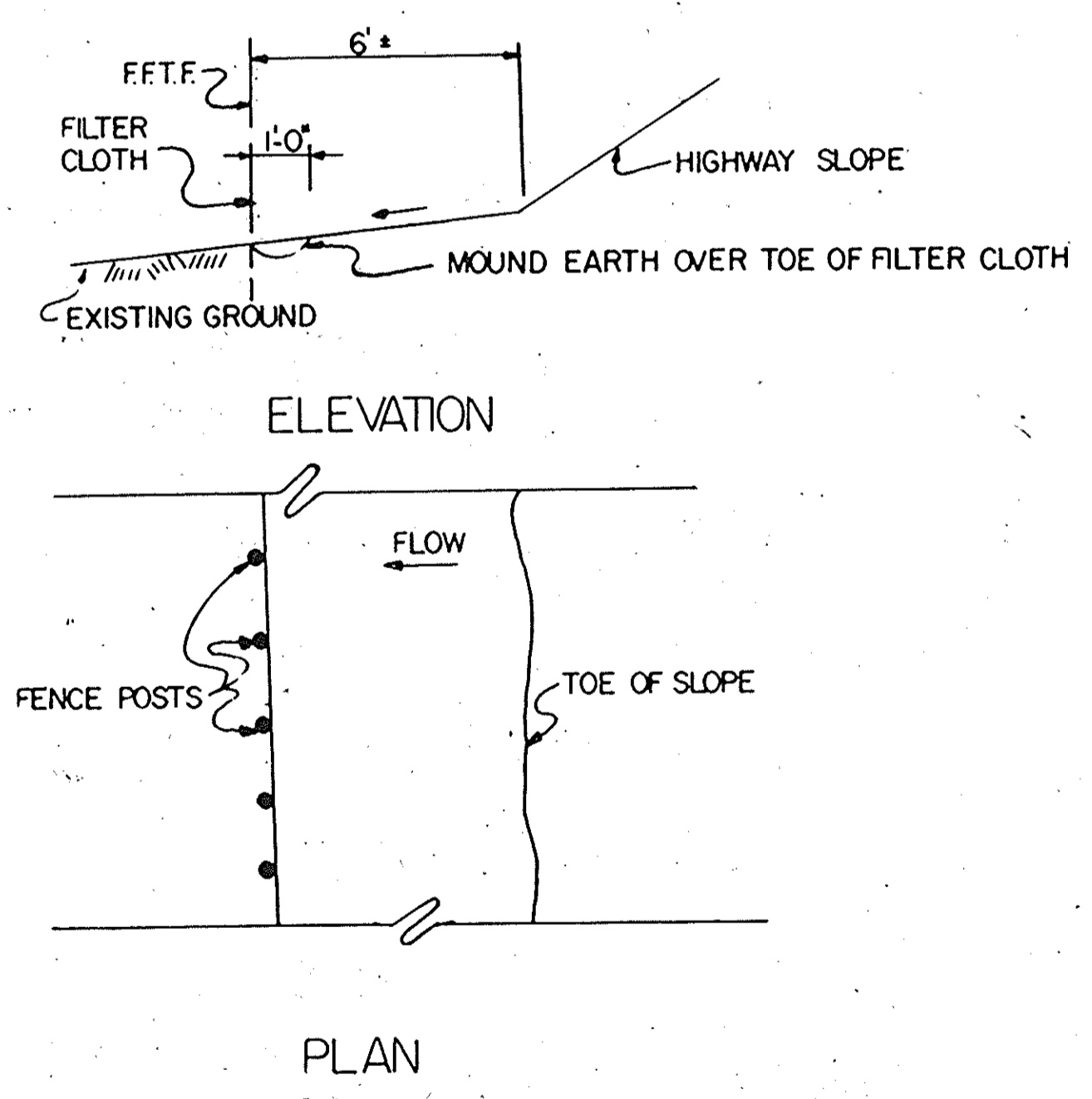
METHOD B



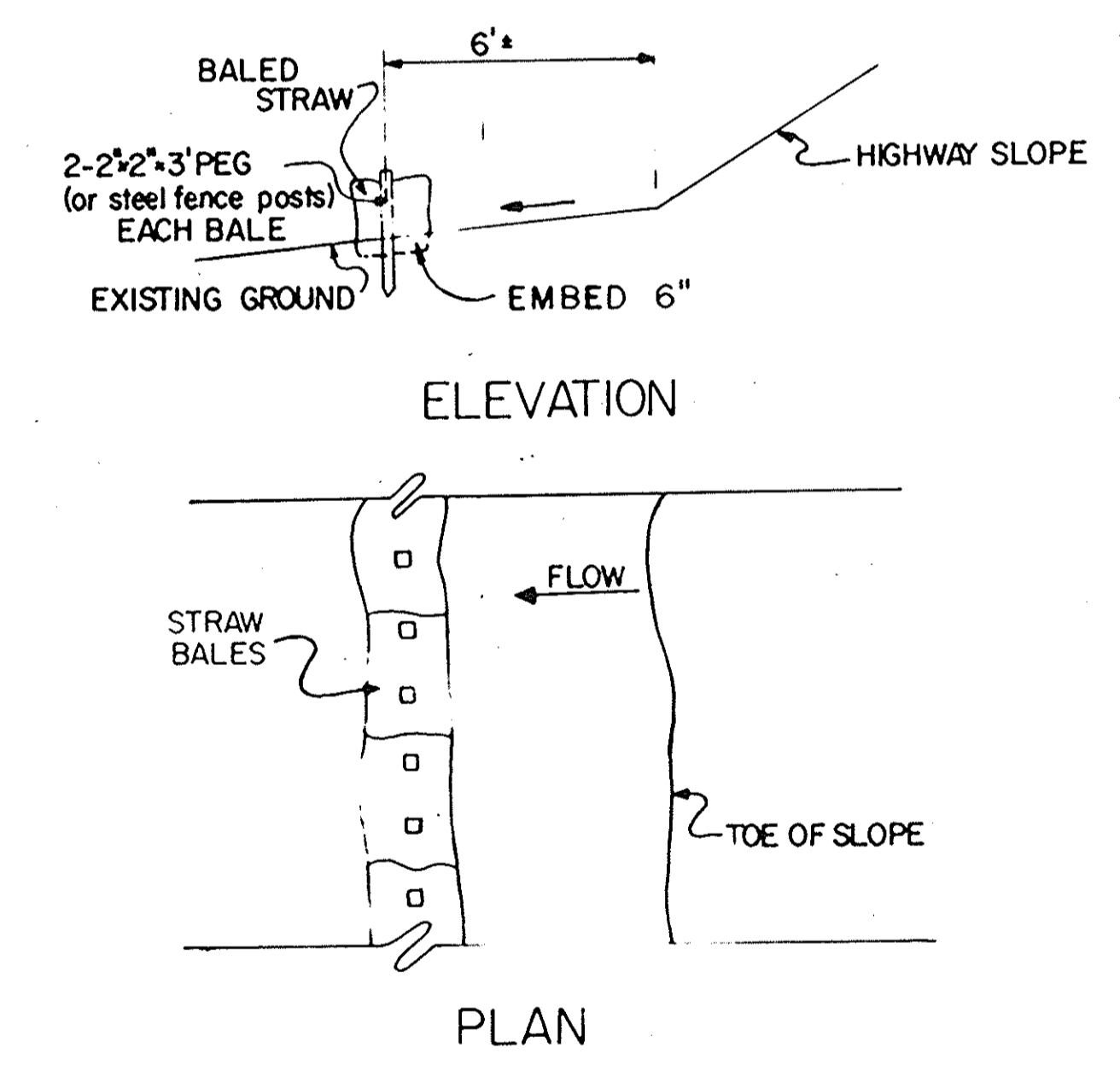
METHOD D

TABLE OF QUANTITIES						
LOCATIONS	SIZE	METHOD				
		A	B	C	D	E
STATION TO STATION	FEET	BALES	LFT	LFT.	EACH	BALES
201+35 LT.		3				
202+15 LT.		3				
201+90 (R.E., RT.)		4				
202+90 (R.E., RT.)		3				
8+35 RT.		3				
8+61 RT.		3				
TOTAL		19				

- PAY ITEMS
- METHOD A "STRAW BALES" EACH
 - METHOD B "EROSION CONTROL METHOD B" LIN. FT.
 - METHOD C "EROSION CONTROL METHOD C" LIN. FT.
 - METHOD D "EROSION CONTROL METHOD D" EACH
 - METHOD E "STRAW BALES" EACH



METHOD C



METHOD E

EROSION CONTROL
INDIANA DEPARTMENT OF HIGHWAYS

SCALE: _____ DATE: _____

SENIOR DESIGNER _____

DRAWING OF SHEET 7 OF 10
PROJECT: RS-2943 (4)
CONTRACT NO. _____
BRIDGE FILE: 19-43-6149

DESIGNED: C.K.D.
DRAWN: J.N. 5-4-79 C.K.D.
TRACED: C.K.D.

Rev. 6-6-79 Method D and E
Rev. 4-7-80 Method A, B and E

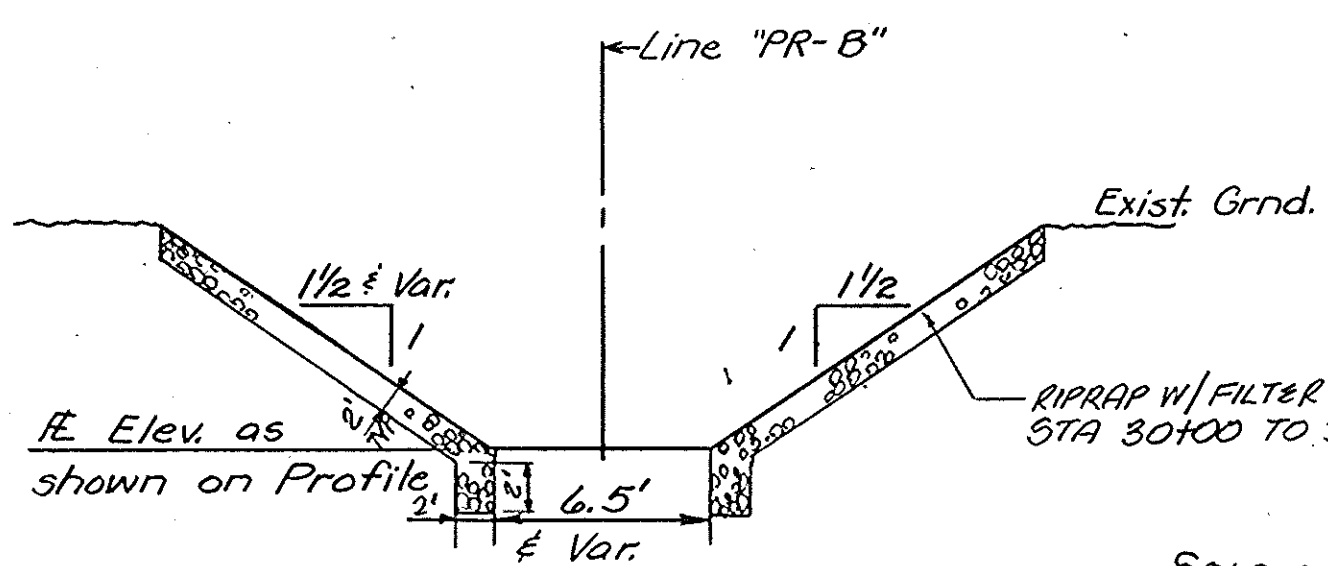
FEDERAL ROAD DISTRICT	STATE	PROJECT NO.	FISCAL YEAR	DESIGN NO.	TOTAL SHEETS
6	IND.	RS-2943(4)	1985	8	10

EARTHWORK TABULATION

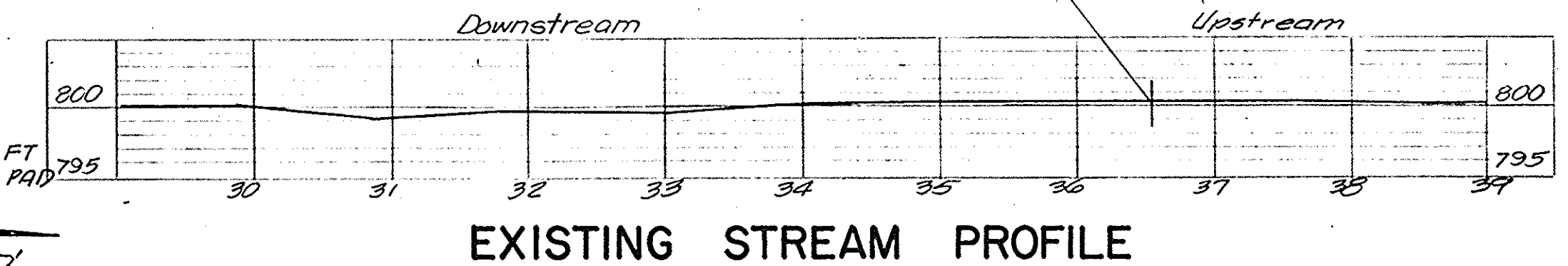
- FILL + 20% C.Y.
- COMMON EXCAVATION C.Y.
- USABLE WATERWAY EXCAVATION C.Y.
- SURPLUS FOUNDATION EXCAVATION C.Y.
- BORROW OR WASTE C.Y.
- TOTAL WATERWAY EXCAVATION C.Y.
- *BENCHING (ESTIMATED) C.Y.

*NO DIRECT PAYMENT. BENCHING WILL NOT BE PAID FOR AS COMMON EXCAVATION.

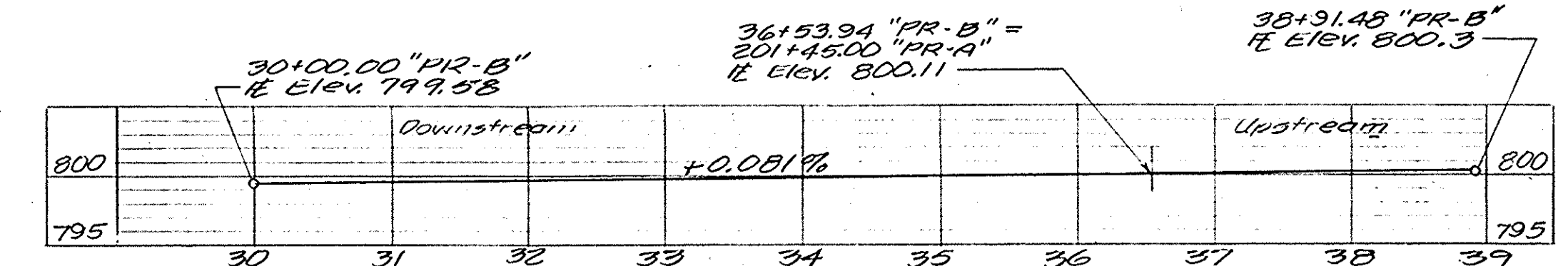
SOLD ON CONTRACT TO ELDON & IDA SCHWARTZ (PARCEL 1A)



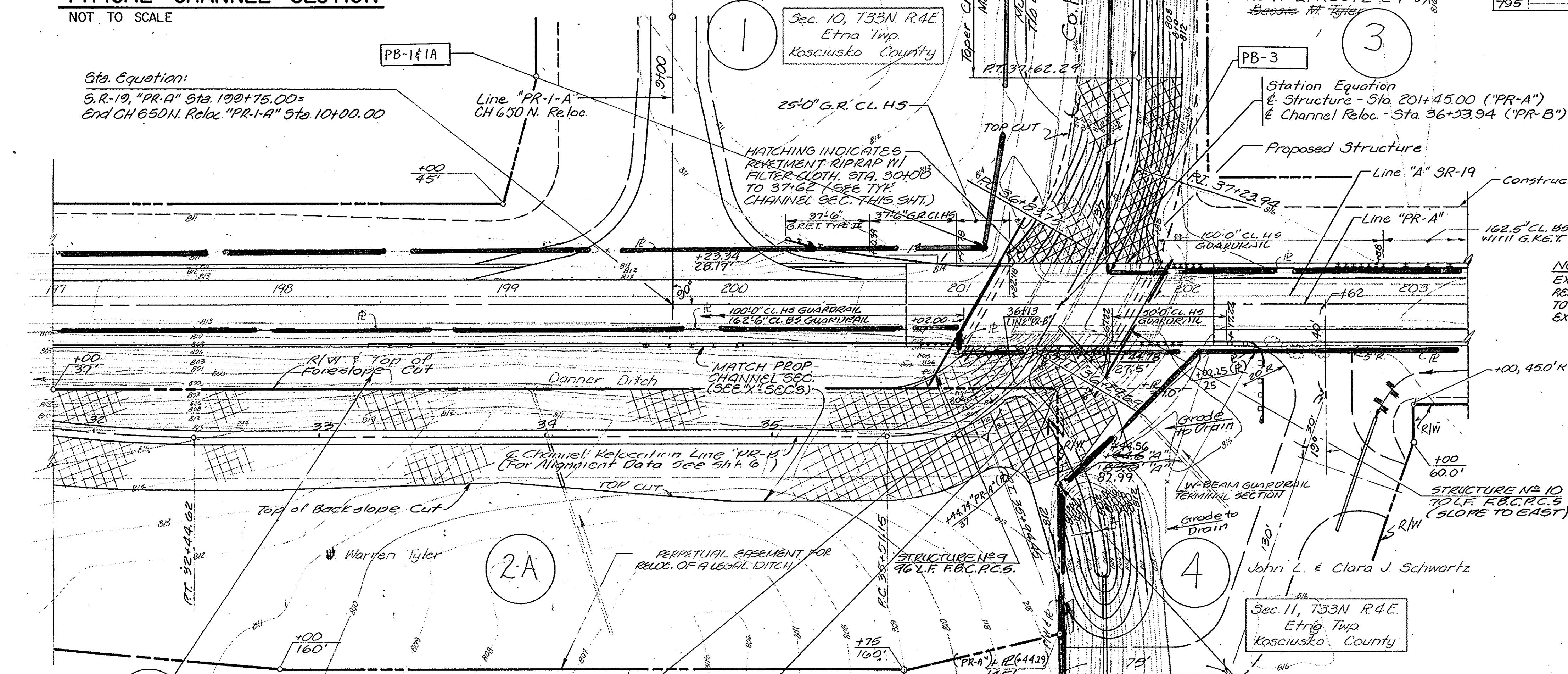
TYPICAL CHANNEL SECTION NOT TO SCALE



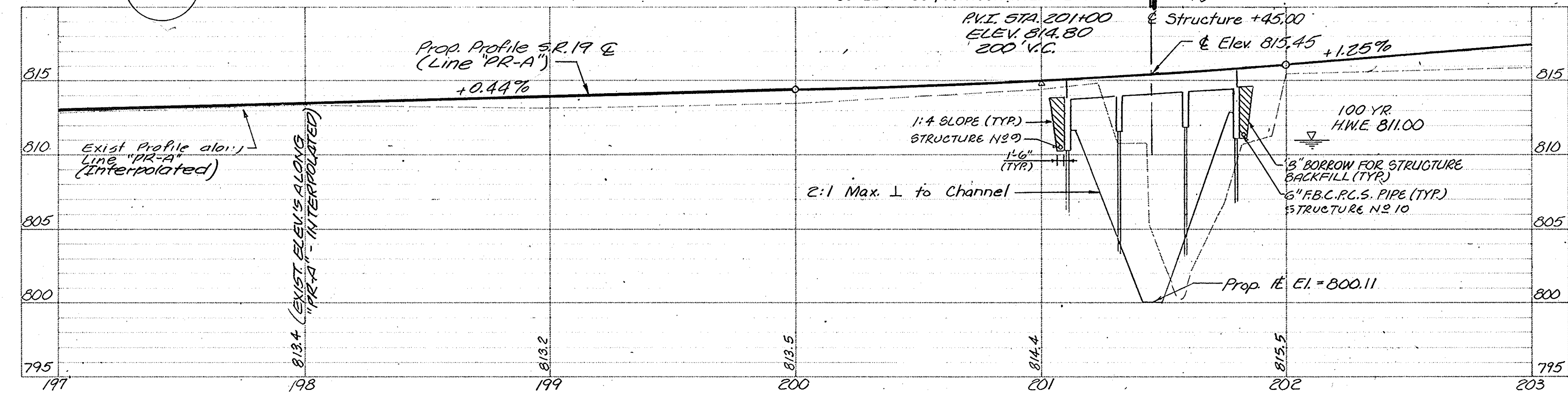
EXISTING STREAM PROFILE



RELOCATED CHANNEL PROFILE (LINE "PR-B")



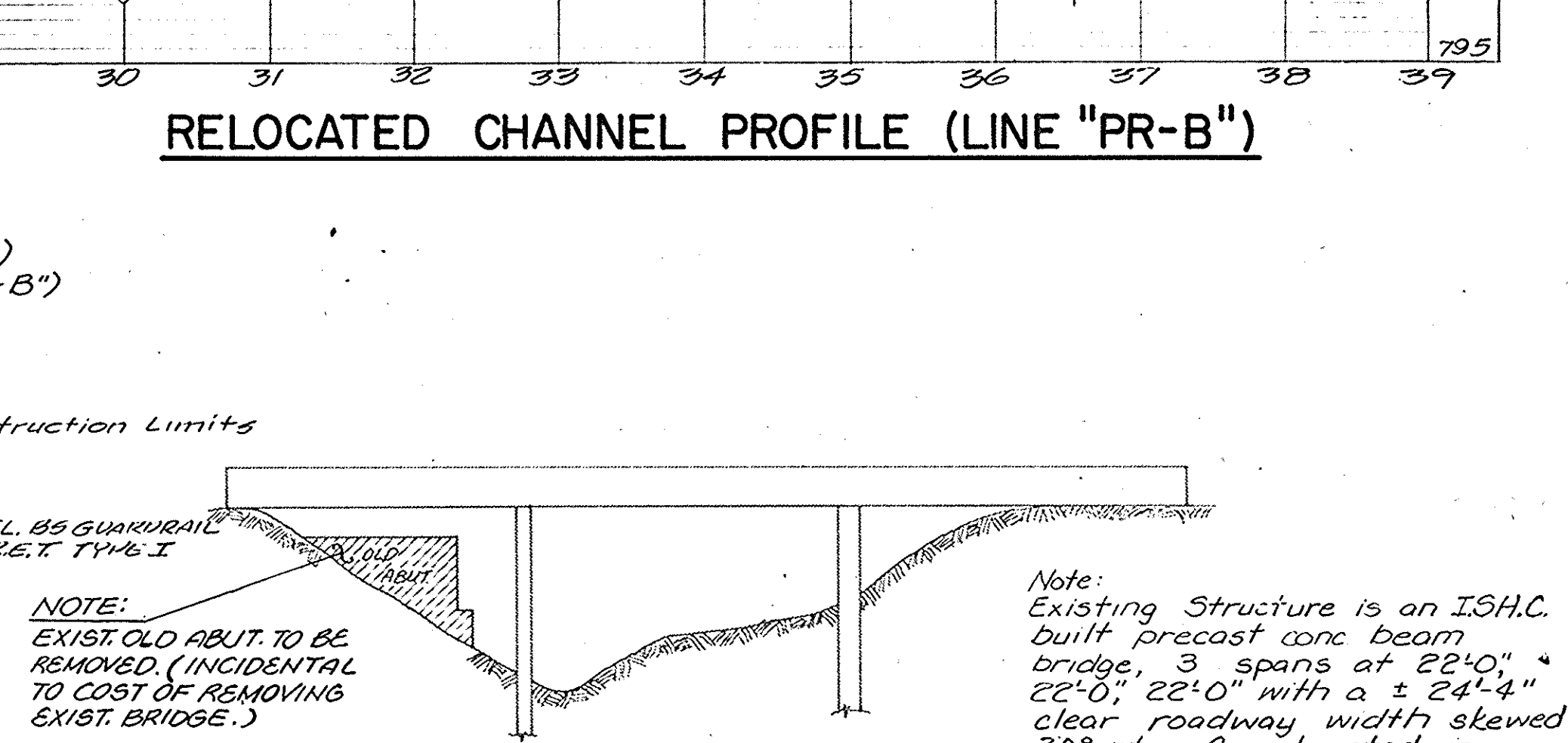
SITUATION PLAN SCALE: 1" = 30', CONTOUR INTERVAL = 1'



PROFILE ON PROPOSED ROADWAY SCALE: 1" = 30' HORIZ., 1" = 5' VERT

DESIGNED	W. Cox	C.K.D.
DRAWN	J.C. DWH	C.K.D.
TRACED		C.K.D.

FIELD BOOK: BR-2659



EXISTING STRUCTURE NOT TO SCALE

UTILITY OWNERS

- Power: Kosciusko County R.E.M.C. 523 South Buffalo St. Warsaw, Ind. 46580
- Telephonic: General Tel. Co. of Ind., Inc. 501 Tecumseh St. P.O. Box 1201 Ft. Wayne, Ind. 46801

HYDRAULIC DATA

- Drainage Area = 6.6 Sq. Mi.
- Q100 = 1200 Cfs
- Elevation, Q100 = 811.0 Ft., M.S.L.
- Velocity, Q100 = 5.0 Fps
- Waterway Area Required = 250 Sq. Ft. Below Elev. 811.00
- Minimum Low Structure Elev. = 813.0 Ft., M.S.L.
- Existing Waterway Area = 160 Sq. Ft. Below Elev. Q100
- Existing Low Structure Elev. = 813.0 Ft., M.S.L.
- Waterway Area Provided = 297.2 Sq. Ft. Below Elev. 811.00
- Backwater At Q100 = 0 Ft.

LAYOUT
 CONTINUOUS R.C. SLAB BRIDGE
 3 SPAN: 24'-2", 30'-0", 24'-2"
 SKEW: 30° 00' 00" RT.
 36'-0" CLEAR ROADWAY
 S.R. 19 OVER DANNER DITCH

INDIANA STATE HIGHWAY COMMISSION

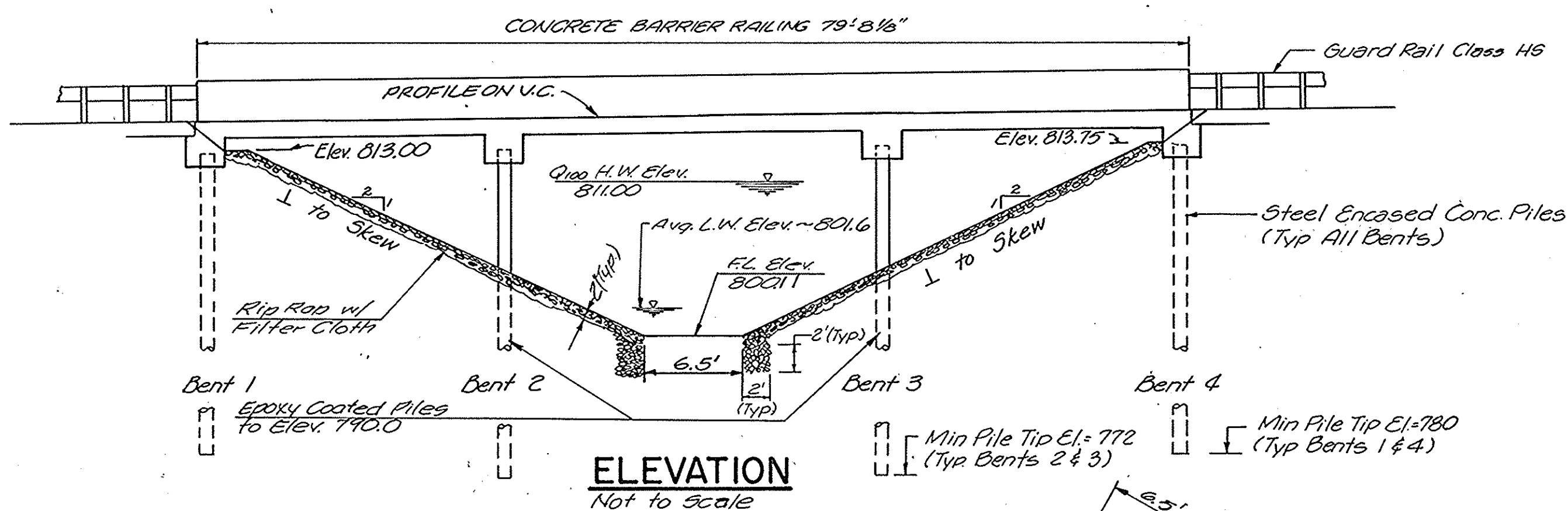
KOSCIUSKO COUNTY SCALE: AS NOTED DATE: -

SUBMITTED FOR APPROVAL: -

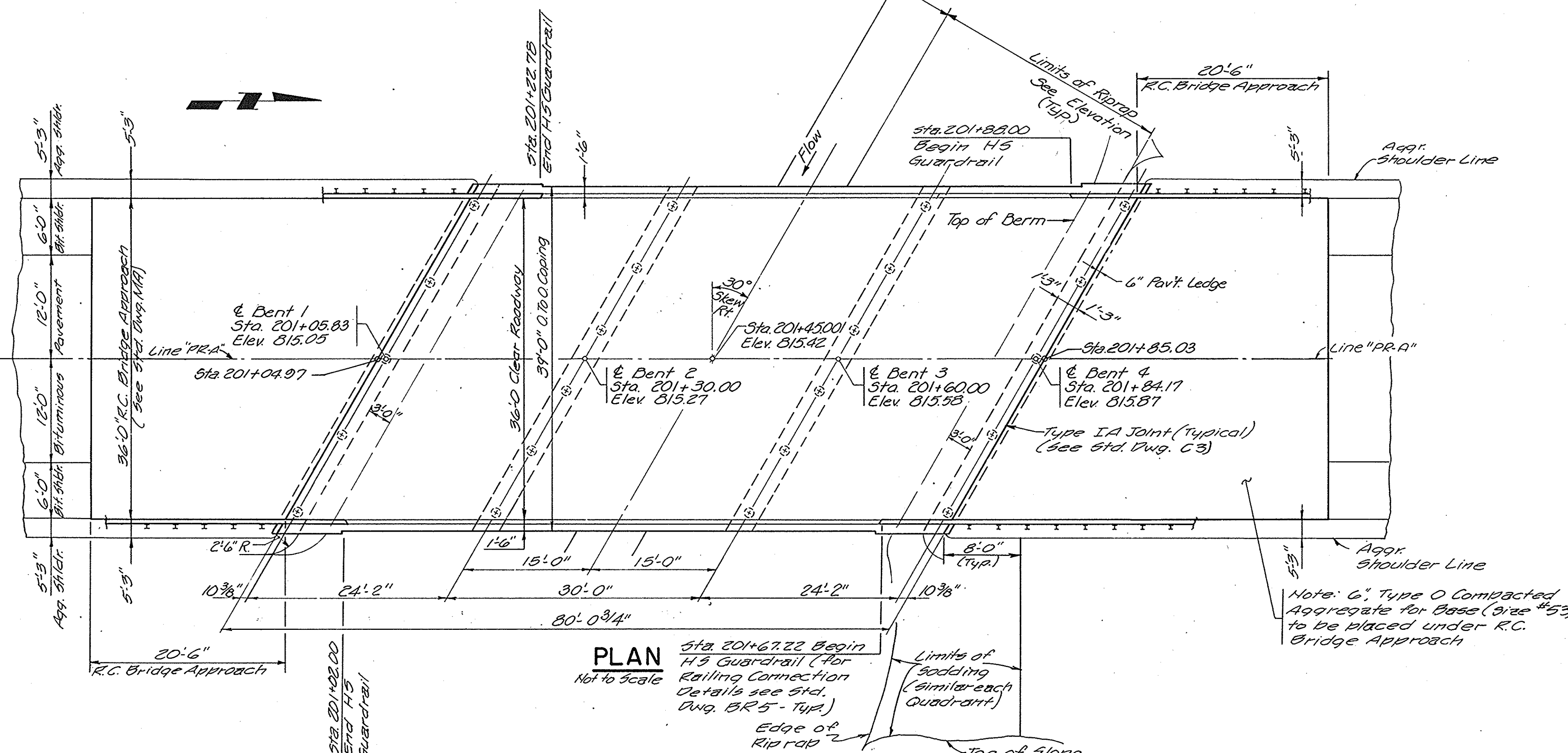
DRAWING: S1 OF SHEET: 8 OF 10
 PROJECT: RS-2943 (4)
 BRIDGE CONTRACT NO.
 BRIDGE FILE: 19-43-6149

FEDERAL ROAD DISTRICT	STATE	PROJECT NO.	FISCAL YEAR	DESIGN NO.	TOTAL SHEETS
6	IND.	RS-2943(4)	1985	8	10

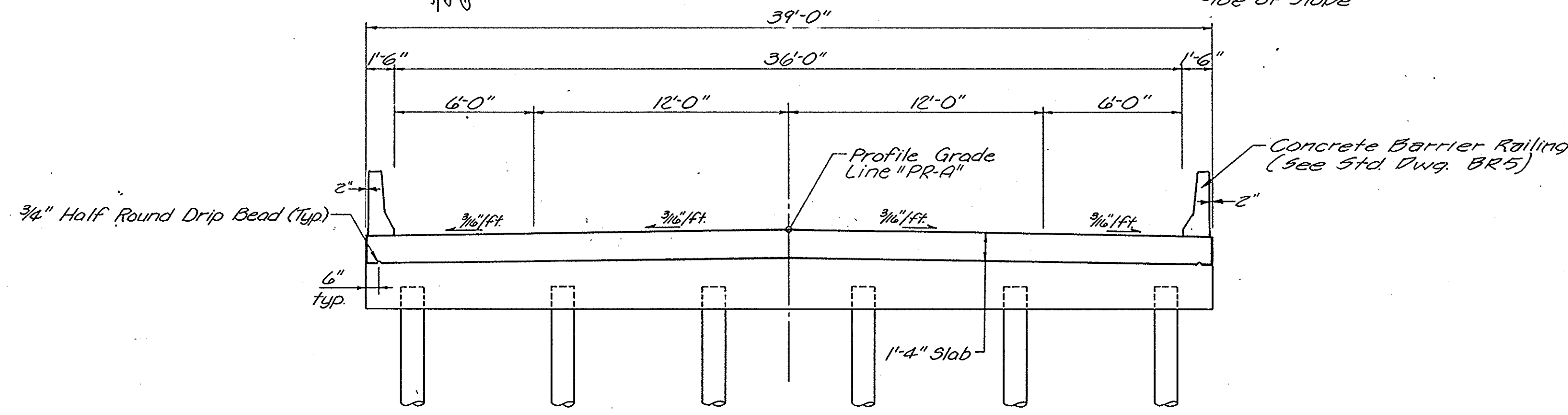
STRUCTURE TO BE BUILT TO A 200' VERTICAL CURVE



ELEVATION
Not to Scale



PLAN
Not to Scale



DECK CROSS SECTION
Not to Scale

GENERAL NOTES

- PILES SHALL HAVE MINIMUM BEARING VALUE SHOWN ON DETAIL DRAWINGS. DETERMINE PILE LENGTHS BY ART. 701 OF SPECS.
- FOR DETAILS OF STEEL ENCASED CONCRETE PILES SEE BRIDGE STANDARD C₁, APPLICABLE ARTICLES IN THE SPECS.
- PILES SHALL BE DRIVEN TO ELEVATION SHOWN ON PLANS OR BELOW IF NECESSARY TO OBTAIN DESIRED BEARING.
- REINFORCING STEEL COVERING SHALL BE 2-1/2" IN TOP AND 1" MINIMUM IN BOTTOM OF FLOOR SLABS AND 2" IN ALL OTHER PARTS, UNLESS NOTED.
- CONCRETE IN SUPERSTRUCTURE SHALL BE CLASS "C".
- CONCRETE IN STEEL ENCASED CONCRETE PILES TO BE CLASS "A".
- CONTINUOUS CONCRETE POURS SHALL BE REQUIRED BETWEEN CONSTRUCTION JOINTS AS SHOWN ON DETAIL PLANS.
- CHAMFER EXPOSED EDGES 1" UNLESS NOTED.
- CONSTRUCT RIPRAP AT LOCATIONS SHOWN ON LAYOUT.
- TOLERANCE IN POSITION OF PILE HEAD MAXIMUM 2".
- USE EPOXY-COATED REINF. STEEL IN TOP STEEL OF SLAB, CONC. RAILING AND SEAL DECK SURFACE, FACE OF DECK COPING, THE UNDERSIDE OF DECK FROM COPING TO DRIP BEAD AND EXPOSED SURFACES OF CONCRETE RAILING.
- ALL AREAS WITHIN THE CONSTRUCTION LIMITS WHICH ARE NOT PAVED, RIPRAPPED, OR SODDED SHALL BE SEEDING USING MULCHED SEEDING "R" OR LEGUME.

**GENERAL PLAN
CONTINUOUS R.C. SLAB BRIDGE**

3 SPAN: 24'-2", 30'-0", 24'-2"
 SKEW: 30° 00' 00" RT.
 36'-0" CLEAR ROADWAY
 S.R. 19 OVER DANNER DITCH

INDIANA STATE HIGHWAY COMMISSION

KOSCIUSKO COUNTY
 SCALE: - AS NOTED DATE: -

SUBMITTED FOR APPROVAL: -

DRAWING: S2 OF SHEET: 9 OF 10
 PROJECT: RS-2943 (4)
 BRIDGE CONTRACT NO.
 BRIDGE FILE: 19-43-6149

DESIGNED	C'K'D
DRAWN	C'K'D
TRACED	C'K'D

Main bridge quantities table with columns for ITEM, CONCRETE, STRUCTURE, QUANTITIES, and various material categories like REIN. STEEL, PILES, CAST IRON, etc.

APPROACH STRUCTURES table with columns for STRUCT. NO., LOCATION, SIZE, KIND, LENGTH, CONCR. CL. A, REIN. STEEL, PIPE END SEC., and REMARKS.

PAVED SIDE DITCH & SODDING SUMMARY table with columns for STATION TO STATION, TYPE, PAY LENGTH, NO. OF LUGS, PAY LENGTH, CUT OFF WALLS, PAY LENGTH, TOTAL PAY LENGTH, FOR PSD, SODDING (SQ. YD.), and TOTAL SOD.

APPROACH TABLE with columns for LOCATION, DESCRIPTION, WIDTH, RADII, GRADE, LENGTH, DIST. TO CURB, EXCAVATION (CY), BITUM SURFACE, BITUM BINDER, BITUM. BASE, and COMP. AGG. BASE.

NOTES: Weight of Spirals includes weight of 1 1/2 extra turns top and bottom. Spacers and 1 1/2 turns at laps included in cost of Spiral. *** The weight of structural steel is approximate only, and it shall be the Contractor's responsibility to determine the weight on which he bases his bid. For Test Bar Samples See Bridge Standard C1.

NOVEMBER 1978

SUMMARIZED C'K'D TRACED C'K'D

REVISIONS table with columns for DATE and ITEM.

BRIDGE SUMMARY INDIANA STATE HIGHWAY COMMISSION

DATE

SENIOR DESIGNER

SHEET 10 OF 10

PROJECT: RS-2943(4) CONTRACT NO: BRIDGE FILE: 19-43-6149