

RIGHT OF WAY PLANS

STATE OF INDIANA

INDIANA STATE HIGHWAY COMMISSION

CODE 0963

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

ST - F PROJECT NO. 85 (28)

~~ST-F-85 (19) P.E.~~
~~(28) R/W~~
~~(29) CONST.~~
~~() UTIL.~~

Note: This Project To Be Financed By The Expenditure Of State Primary Funds. All Project Numbers Appear On Plans And Profile And Cross Section Sheets To Be Referred To As ST-F-85(28).

BEGINNING AT A POINT APPROXIMATELY 16567 FEET EAST AND 2471.18 FEET SOUTH OF THE NORTHWEST CORNER OF SECTION 14, T29N, R3E AND EXTENDING NORTHERLY 32,950.0 FEET TO A POINT 682' NORTH AND 1044' WEST OF THE SOUTHEAST CORNER OF THE SW 1/4 OF SECTION 16, T30N, R3E, IN MIAMI AND FULTON COUNTIES.

GROSS LENGTH: 6.240 MI.

NET LENGTH: 6.240 MI.

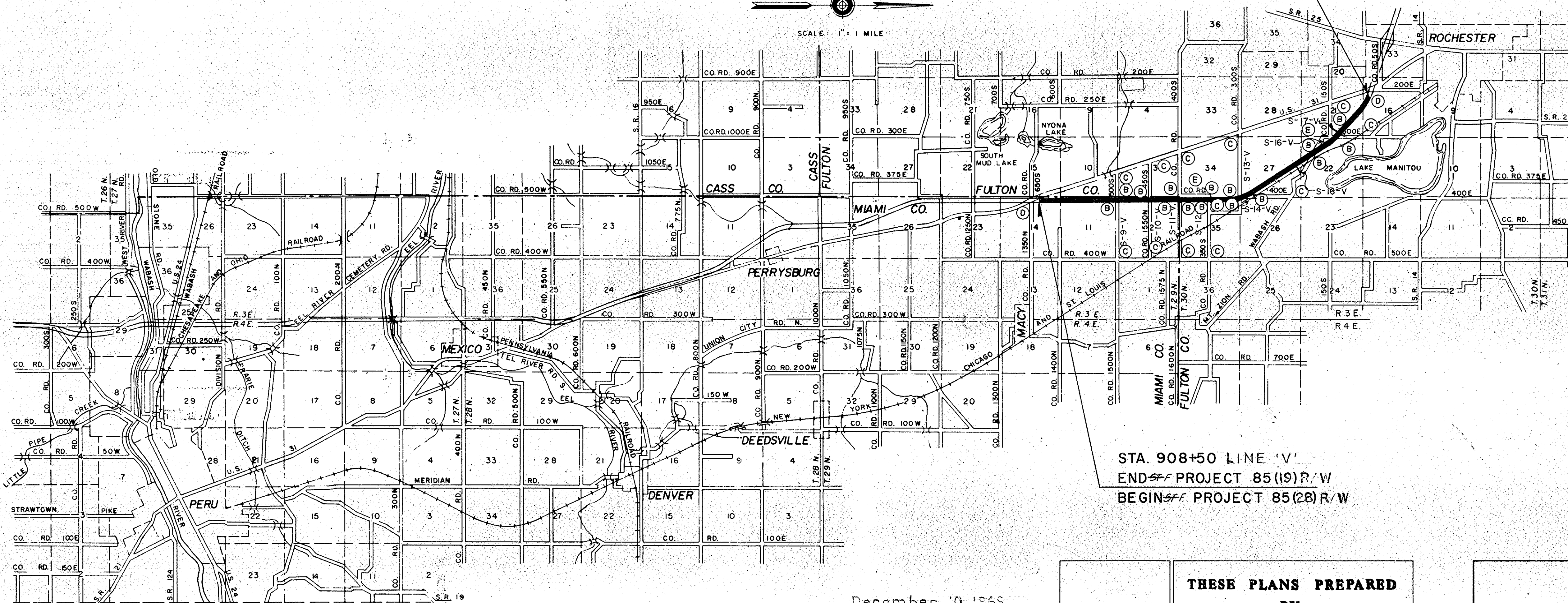
SCALES:

PLAN { LONG: 1"=100' PROFILE } HORIZ: 1"=100'
{ TRANS: 1"=100' } VERT: 1"=10'

MAX. GRADE 1.14 %



SCALE: 1" = 1 MILE

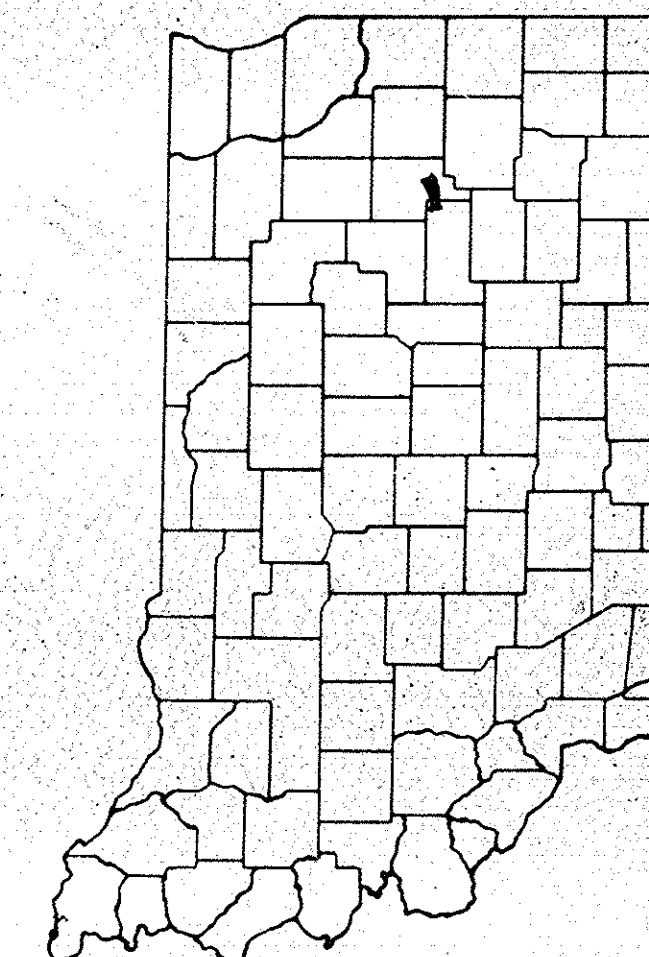


STA. 908+50 LINE 'V'
END OF PROJECT 85 (19) R/W
BEGIN OF PROJECT 85 (28) R/W

WHEREVER IN THE PLANS THE PROJECT NUMBER ST-F-85(28) APPEARS IT SHALL BE CONSTRUED AS MEANING PROJECT NUMBER F-85 (28)

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	1	

DESIGN DATA		
ADT (1970)	5256	V.P.D.
ADT (1991) PROJECTED	3950	V.P.D.
D.H.V. (1991)	1230	V.P.H.
DIRECTIONAL DISTRIBUTION		%
TRUCKS	8 %	19 %
DESIGN SPEED		M.P.H.
ACCESS CONTROL		PARTIAL



LOCATION OF SECTION INDICATED THUS

LEGEND

- (A) BARRICADE TYPE "A"
- (B) BARRICADE TYPE "B"
- (C) TYPICAL SIGN STANDARDS
- (D) CONSTRUCTION IDENTIFICATION SIGN
- (E) STD. SIGN M-29 (PERMANENT)

RECOMMENDED FOR APPROVAL

ASSISTANT ENGINEER OF PLANS AND SPECIFICATIONS

RECOMMENDED FOR APPROVAL

ENGINEER OF PLANS AND SPECIFICATIONS - INDIANA STATE HIGHWAY COMMISSION

APPROVED

CHIEF ENGINEER - INDIANA STATE HIGHWAY COMMISSION

BUREAU OF PUBLIC ROADS
DEPARTMENT OF COMMERCE

APPROVED

DIVISION ENGINEER DATE

ROAD FILE :-

INDIANA STATE HIGHWAY COMMISSION
STANDARD SPECIFICATIONS DATED 1963
TO BE USED WITH THESE PLANS.

DATE December 10, 1968
Chas. W. Cole
REGISTERED PROFESSIONAL ENGINEER
STATE OF INDIANA NO. 3653

THESE PLANS PREPARED
BY
CHAS. W. COLE & SON
INCORPORATED
SOUTH BEND, INDIANA

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
ST-F-85(28)	V	1		

UTILITIES

TELEPHONE

United Telephone Co. of Ind.
P.O. Box 391
Warsaw, Indiana 46580

General Telephone Co. of Ind.
501 Tecumseh Street
P.O. Box 1201
Fort Wayne, Indiana 46801

Rochester Telephone Co. Inc.
117 West 8th Street
Rochester Indiana, 46975

American Telephone & Telegraph
411 East Berry Street
Fort Wayne, Indiana

ELECTRIC

Public Service Indiana
1000 East Main Street
Plainfield, Indiana 46168

Fulton County R.E.M.C.
Box 230
Rochester, Indiana 46975

Miami-Cass County R.E.M.C.
916 West Main Street
Peru, Indiana 46970

GAS

Northern Indiana Public
Service Co.
5625 Homan Avenue
Hammond, Indiana

RAILROAD

Norfolk & Western Railroad

GENERAL NOTES

- * Standard divided lane sections for Federal Aid Primary Projects as shown on Sheet No. _____ to be used on this project.
- * Standard ramp section _____ to be used on this project. Pavement thickness shall be _____
- * Standard single lane pavement sections _____ as shown on Sheet No. _____ to be used on this project.
- * * * A 7" C.R.C. Pavement shall be used.
- * * * Standard C.R.C. Pavement Section as shown on Sheet Nos. 5, 6 & 7 to be used on this project.
- * * * Typical cross-section as shown on Sheets No. _____ to be used on this project.
- * * * Standards under dates as listed in the Index on this Sheet to be used on this project.
- * * * Grade lines shown on profile represents top of finished surface.
- * * * All Ditches 6:1% grade and over shall be sodded except where ditch is in rock cut or where Pavement Side Ditch is to be constructed.
- * * * Sodding shall be placed as shown on Standard and Typical Cross-Sections and on Miscellaneous Standard Sheet "MB"
- * * * All Earth Shoulders, Median Area, Cut, and Fill slopes shall be plain or mulched seeded except where sodding is specified.
- * * * Overhaul and Added Soil Quantities as shown in the Balances are for information only.
- * * * Excavation Quantities as shown include estimated excavation for Public and Private Approaches. See Table on Sheet No. _____
- * The final Cross-Sections of the "Grading Contract" shall be the original cross-sections of the "Paving Contract" except that partial or complete cross-sections shall be taken if necessary to determine the actual quantities of Excavation.
- * * * Paper Relocation is to be cross-sectioned by the Project Engineer before construction.
- Where existing surface is located outside the Limits of new construction between Sta. _____ and Sta. _____ the contractor will be required to remove the present roadway surface and base as directed by the Engineer.
- Quantities for Pipe Culvert Headwalls are based on using Standard Headwalls for retaining 2:1 or 3:1 slopes, and Private Drive Headwalls for retaining 4:1 or flatter slopes.
- * * * For "Kinds of Pipe" permitted for each size and classification as shown on the Structure Data Sheet, see Miscellaneous Standard Sheet "MP".
- Such part of existing downspout drains that are disturbed by replacing the curb shall be replaced and connected as directed by the Engineer. Payment for this work shall be included in the Contract unit price for _____ Curb.
- * * * The minimum grade for Subsurface Drains shall be 0.20%. Where the profile grade is less than 0.20%, special grades for Subsurface Drains shall be established by the Engineer.
- * * * The Contractor must accept the plan quantities of Subbase as given on the Estimate of Quantities Sheet.
- * * * All County Roads shall have 4 "Edge Lines" and "Skip Center Line" as set out in "Special Provisions" and "Yellow Barrier Lines" shall be placed as shown on plans.
- * * * All Limited Access R/W (L.A. R/W) to be fenced with Chain Link Type Fence (_____) or Farm Field Type Fence (F. F. T. F.) as specified in the plans.
- * * * Curves shall be Super-elevated according to the Standards _____ (Except Special "Super-Transitions" shall be detailed on Sheet No. _____).
- * * * A Keyway Joint is to be constructed on Median side of each pavement.
- Contraction Joints shall be placed at all manholes within pavement limits.
- Contraction Joints shall be placed at the beginning and end of all radii, at street and alley intersections.
- * * * When Guard Rail Type "A" is called for on this project the Contractor shall use the Steel Beam section only.
- When Guard Rail Type "B" is called for on this project the Contractor shall have the option of using either the Steel Beam Section, the Semi Ellipse Aluminum Tubular Section or the Steel Tubular Section.
- When Guard Rail Type "C" is called for on this project the Contractor shall have the option of using either the Steel Beam Section, the Semi Ellipse Aluminum Tubular Section or the Steel Tubular Section.
- When Guard Rail Type "D" is called for on this project the Contractor shall have the option of using either the Steel Beam Section, or the Semi Ellipse Aluminum Tubular Section.
- When Guard Rail Type "E" is called for on this project the Contractor shall have the option of using either the Steel Beam Section, the Semi Ellipse Aluminum Tubular Section or the Steel Tubular Section.
- When Guard Rail Type "F" is called for on this project the Contractor shall have the option of using either the Steel Beam Section, the Semi Ellipse Aluminum Tubular Section or the Steel Tubular Section.
- When Guard Rail Type "G" is called for on this project the Contractor shall have the option of using either _____, the Semi Ellipse Aluminum Tubular Section or the Steel Tubular Section.
- When Guard Rail Type "H" is called for on this project the Contractor shall have the option of using either _____, the Semi Ellipse Aluminum Tubular Section or the Steel Tubular Section.
- * * * Wherever reference is made on the design plans to Subbase Type I or II or Subbase Type II, this reference is to be interpreted as "Subbase" and the materials required will conform to a "Supplemental Specification for Subbase".
- * * * The Contractor must accept plan Quantities for Grade B Special Borrow backfill for pipes.
- * * * Maximum depth of Peat in Disposal Areas shall be 3'.
- * * * All Field Measurements were corrected for temperature and tension.
- * * * The quantity Furnishing and Placing Seed (crown-vech), shown on the estimate of quantity sheet is to be used at those locations where the slopes are 2:1 or steeper or in an area requiring sand cut or sand fills or as directed by the Engineer.

* * REPRESENTS GENERAL NOTES REQUIRED

SHEET NO.	DESIGNATION
1	TITLE SHEET
2	INFORMATION SHEET
3	PARCEL LISTING
4 & 5	PLAT NO 1
6	TYPICAL X-SECTIONS
7 thru 20	PLAN & PROFILE
27	ACCESS ROAD PROFILE
28 thru 35	DETAILS
36, 37, 38	APPROACH TABLES
39	PLAT NO 3 (Sheet 1 of 3)
40	PLAT NO 3 (Sheet 2 of 3)
41	PLAT NO 3 (Sheet 3 of 3)

INDEX

SHEET NO.	DESIGNATION	B. P. R. APPROVAL	DATE ADOPTED OR LATEST REVISION
1	TITLE SHEET		
2	INFORMATION SHEET		
	ST'D. DIV. LANE (ISHG)		R-7/26/63
	ST'D. DIV. LANE ()		
	ST'D. DIV. LANE ()		
4	ST'D. SINGLE LANE PAVEMENT SECTIONS		
	TYPICAL CROSS SECTION		
	ST'D. RAMP SECTION		
	ST'D. CONT. REINF. CONC. PAV'T. SHEET "CRC-A"		
	ST'D. CONT. REINF. CONC. PAV'T. SHEET "CRC-B"		
	ST'D. PAVEMENT JOINTS SHEET "A"		
5-6	PLAT NO 1		
7-8	PLAN AND PROFILE		
25-32	DETAILS		
33-35	TABLE OF QUANTITIES		
	STRUCTURE DATA		
	DEMOLITION PORTION ITEMS		
	ESTIMATE OF QUANTITIES		
36-38	PLAT NO 3		
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	MISCELLANEOUS STANDARDS, SHEET "MA-2"		
	MISCELLANEOUS STANDARDS, SHEET "MB"		
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	MISCELLANEOUS STANDARDS, SHEET "MB-2"		
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	MISCELLANEOUS STANDARDS, SHEET "MD-2"		
	MISCELLANEOUS STANDARDS, SHEET "MD-3"		
	MISCELLANEOUS STANDARDS, SHEET "ME"		
	MISCELLANEOUS STANDARDS, SHEET "ME-1"		
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	MISCELLANEOUS STANDARDS, SHEET "MT-6B"		
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	MISCELLANEOUS STANDARDS, SHEET "MV"		
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	MISCELLANEOUS STANDARDS, SHEET "MV-3"		
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	ST'D. R. C. BOX CULV. SK. END & WING DET. SK.		
	ST'D. R. C. CULV. W. O. F.		
	ST'D. R. C. CULV. U. F.		
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	STEEL BEAM GUARD RAIL SHEET GR-3		
	ALUMINUM BEAM GUARD RAIL SHEET GR-3A		
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	ALUMINUM GUARD RAIL DETAILS SHEET GR-5		
	STEEL TUBE GUARD RAIL DETAILS SHEET GR-6		
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	ST'D. FOR SUPERELEVATION ()		
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	ST'D. DETOUR SIGNS, SHEET 2		
	ST'D. DETOUR SIGNS, SHEET 3		
	ST'D. DETOUR SIGNS, SHEET 3A		
	ST'D. DETOUR SIGNS, SHEET 5		
	SPECIAL SIGNS		
	CONSTRUCTION IDENTIFICATION SIGNS		
	ST'D. HEADWALLS		
	CROSS SECTIONS		

* B. P. R. APPROVAL PENDING

REVISIONS

SHEET NO.	DATE	REVISED
1	6-26-69	ADD NOTE.
24	4-30-70	DELETED TEMP. R/W FOR CL. II DR.
9	8-27-70	ADDED TEMP. R/W
10	8-24-70	CORRECTED L.A. R/W & R/W
12	8-24-70	CORRECTED STATIONING OF DESIGN POINT
13	8-24-70	CORRECTED L.A. R/W
15	8-25-70	12' & L.A. R/W
16	8-25-70	CORRECTED LINE 12'-16" R.R. (L.A. R/W), TEMP. R/W, R/W & R
21	3-3-71	L.A. R/W
23	1-12-71	TEMP. R/W
25	12-7-70	R/W POINT
7	4-6-72	ADDED EXIST. 5" x 6" DRAIN TILE
3, 5, 25 & 41	4-18-72	NAME CHANGE - PARCEL 26
3, 4, 8 & 39	4-24-72	NAME CHANGE - PARCEL 3
3, 4, 12, 13, 22 & 40	5-22-72	NAME CHANGE - PARCEL 13
3, 5, 17, 18, 19 & 41	6-15-72	NAME CHANGE - PARCEL 28
3, 4, 7, 8, 9, 10, 21 & 39	6-19-72	NAME CHANGE - PARCELS 2 & 5
8, 9	6-21-72	ADDED PARCEL 4 B
3, 4, 7, 8, 9, 20 & 39	8-1-72	NAME CHANGE - PARCEL 4
3, 4, 9, 10, 21, 39	11-27-72	NAME CHANGE - PARCEL 5
3, 4, 9, 10, 21 & 39	2-13-73	NAME CHANGE - PARCEL 5

LEGEND

R/W = RIGHT-OF-WAY

L.A.R/W = LIMITED ACCESS RIGHT-OF-WAY

A.C.L. = ACCESS CONTROL LINE

F.F.T.F. = FARM FIELD TYPE FENCE

= PAVEMENT REMOVAL

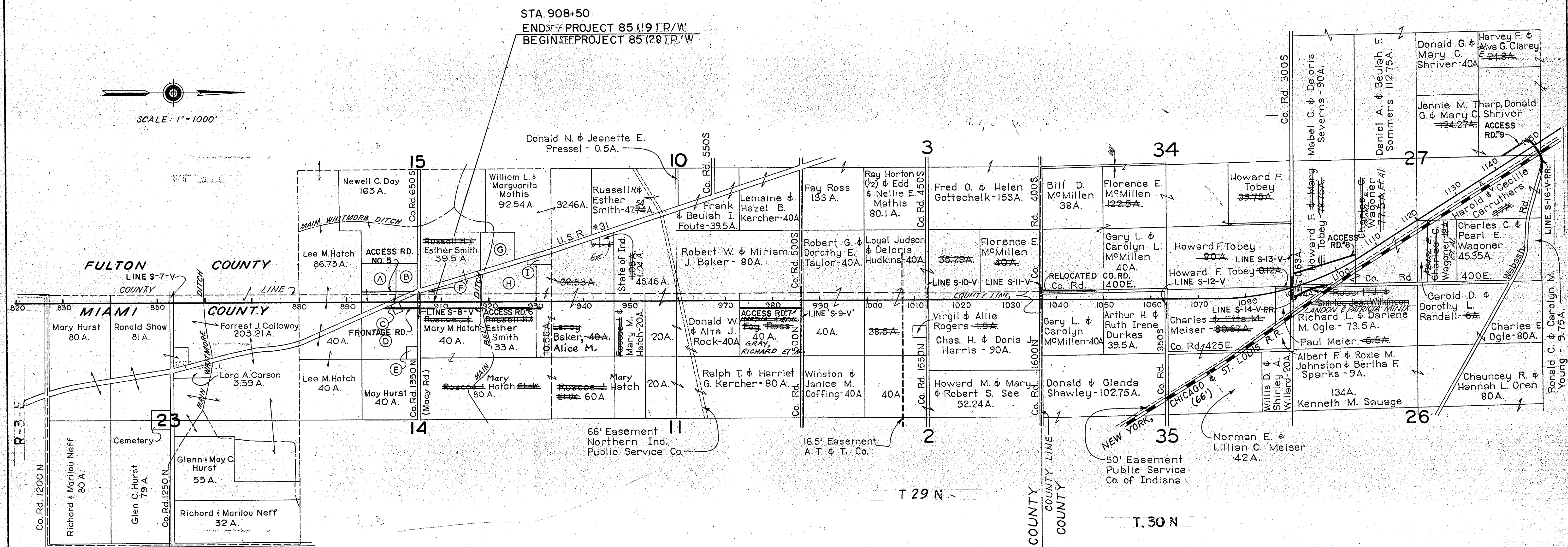
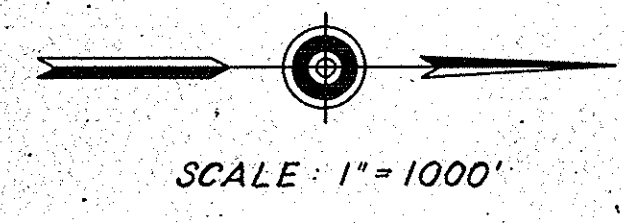
ROAD USER	COUNTY	LOCAL	PROJECT	DATE	DATE	L.A. CODE	0963	03/04/77
PARCEL LISTING FOR LAND ACQUISITION INDIANA STATE HIGHWAY COMMISSION								
PARCEL NUMBER	GRANTOR	CENTER LINE	PLAN	BRIIDGE	TOTAL AREA	NATURE OF TITLE	LAND TO BE ACQUIRED	RESIDUE AREA
1. PARCEL 1 ON PROJECT ST-F-85(28) AND PARCEL 48 IN PROJECT ST-F-85(19) COVER THE SAME LAND, WITH ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT ST-F-85(28)								
1	MARY J. OBERG, D.		907	920	74-872D		200.000AC	1.100AC
2	FATCH, ELIMINATED		946	955	84-9		5.711AC	6.711AC
3	SMITH, ELIMINATED		946	950	84-9		3.062AC	3.062AC
4	ESTHER		907	953	74-87-9		120.000AC	5.661AC
5	SMITH, ELIMINATED		920	931	74-8		120.000AC	5.661AC
6	ALICE M.		915	920	74-8		83.440AC	1.229AC
7	BAKER, ELIMINATED		931	932	8		0.068AC	0.068AC
8	ROCK, DONALD W. ET UX.		936	940	8		0.136AC	0.136AC
9	ROCK, DONALD W. ET UX.		944	945	8		1.586AC	1.586AC
10	GRAY, RICHARD ET AL.		953	973	9		106.460AC	1.586AC
11	GRAY, RICHARD ET AL.		973	986	94-10-21		40.000AC	0.530AC
12	BAKER, ROBERT W. ET UX. S9V		45	48	10-21		80.000AC	0.530AC
13	TAYLOR, R. G. ET UX. S9V		45	48	10-21		80.000AC	1.061AC
14	V		986	999	10-21		325.559AC	3.197AC
15	HUDKINS, L. J. ET UX.		994	999	10		90.000AC	1.373AC
16	HARRIS, C. H. ET UX.		1013	1037	11-21+22		164.500AC	1.741AC
17	BRUBAKER, FLORENCE E.		46	48	11-22		80.670AC	1.844AC
18	MCKILLEN, G. L. ET UX.		1037	1050	11-12+22		80.000AC	1.598AC
19	DURKS, A. H. ET UX.		1050	1063	12-22		39.500AC	0.943AC
20	CHARLES W.		1056	1062	12		80.670AC	1.844AC
21	MEISER, ELIMINATED		1063	1087	12-13+22		199.008AC	2.427AC
22	TOBEY, HOWARD F.		1085	1090	13-23		80.670AC	1.844AC
23	V		1063	1067	12+22		80.670AC	1.844AC
24	V		1090	1106	13+14+23		80.670AC	1.844AC
25	V		1090	1106	13+14+23		80.670AC	1.844AC
26	MEIER, PAUL		1086	1090	13-23		5.367AC	0.212AC
27	MINIX, LANDON ET UX.		50	58	13-23		4.000AC	0.417AC
28	WAGONER, P. E. ET AL.		55	57	13-23		96.240AC	0.901AC
29	V		1103	1121	14		96.240AC	0.901AC
30	V		1105	1106	14		0.077AC	0.077AC
31	V		1121	1123	14		0.082AC	0.082AC
32	V		1119	1122	14		0.075AC	0.075AC
33	RANDALL, G. D. ET UX.		1120	1148	14-15+24		5.669AC	0.075AC
34	CARRUTHERS, H. ET UX.		1120	1148	14-15+24		142.597AC	1.586AC
35	V		1142	1143	15		0.140AC	0.140AC
36	V		1142	1143	15		0.140AC	0.140AC
37	THARP, JENNIE M. ET AL. V		1142	1160	15+16+24		125.145AC	0.693AC
38	S16VPR		44	47	24		0.074AC	0.074AC
39	V		1157	1158	15+24		0.119AC	0.119AC
40	V		1160	1161	16+24		0.132AC	0.132AC
41	V		1149	1150	15+24		0.009AC	0.009AC
42	KINDIG, RICHARD E. ET AL. S16V		51	54	15+24		131.250AC	0.439AC
43	S16VPR		54	56	24		0.057AC	0.057AC
44	S16VPR		54	55	24		0.009AC	0.009AC
45	PIPER, F. THURL ET UX. V		1154	1173	15+16+24		79.950AC	0.009AC
46	V		1169	1186	16+25		89.060AC	1.314AC
47	CLARY, HARVEY F. ET UX. V		44	46	16+25		18.977AC	0.303AC
48	HILL, GUY ET UX. V		1183	1191	16+17+25		81.818AC	0.326AC
49	V		52	53	17+25		120.883AC	3.242AC
50	THARP, CLARENCE R. ET UX. S17V		53	55	17+25		104.000AC	3.596AC
51	SHRIVER, DONALD G. ET AL.		44	46	25		83.833AC	0.443AC
52	S17V		44	46	25		0.031AC	0.031AC
53	V		1189	1209	17+25		104.000AC	3.596AC
54	LOVE, RUTH ET AL.		1205	1227	17+18+19		83.833AC	0.443AC
55	V		1208	1210	17		0.090AC	0.090AC
56	V		1208	1210	17		0.090AC	0.090AC

REV. 5-72, A. PERRY
REV. 6-19-72, A. PERRY
REV. 6-19-72, A. PERRY
REV. 6-11-72, A. NICHOLSON
REV. 6-19-72, A. PERRY
REV. 6-19-72, A. NICHOLSON
REV. 6-19-72, A. PERRY
REV. 6-19-72, A. PERRY
REV. 6-15-72, A. PERRY
REV. 6-15-72, A. PERRY
REV. 6-15-72, A. PERRY
REV. 6-11-72, A. NICHOLSON
REV. 6-19-72, A. PERRY
REV. 6-19-72, A. PERRY
REV. 6-19-72, A. PERRY
REV. 6-19-72, A. PERRY
REV. 6-19-72, A. PERRY

CONTR. SALE = RELEASE OF CONTRACT INTEREST
SP = SPECIAL INSTRUMENT FOR CLEARING SPECIAL INTERESTS (GC DEED, SPECIAL R/W GRANT, RELEASE OF LEASEHOLD, ETC.)
TE = TEMPORARY R/W

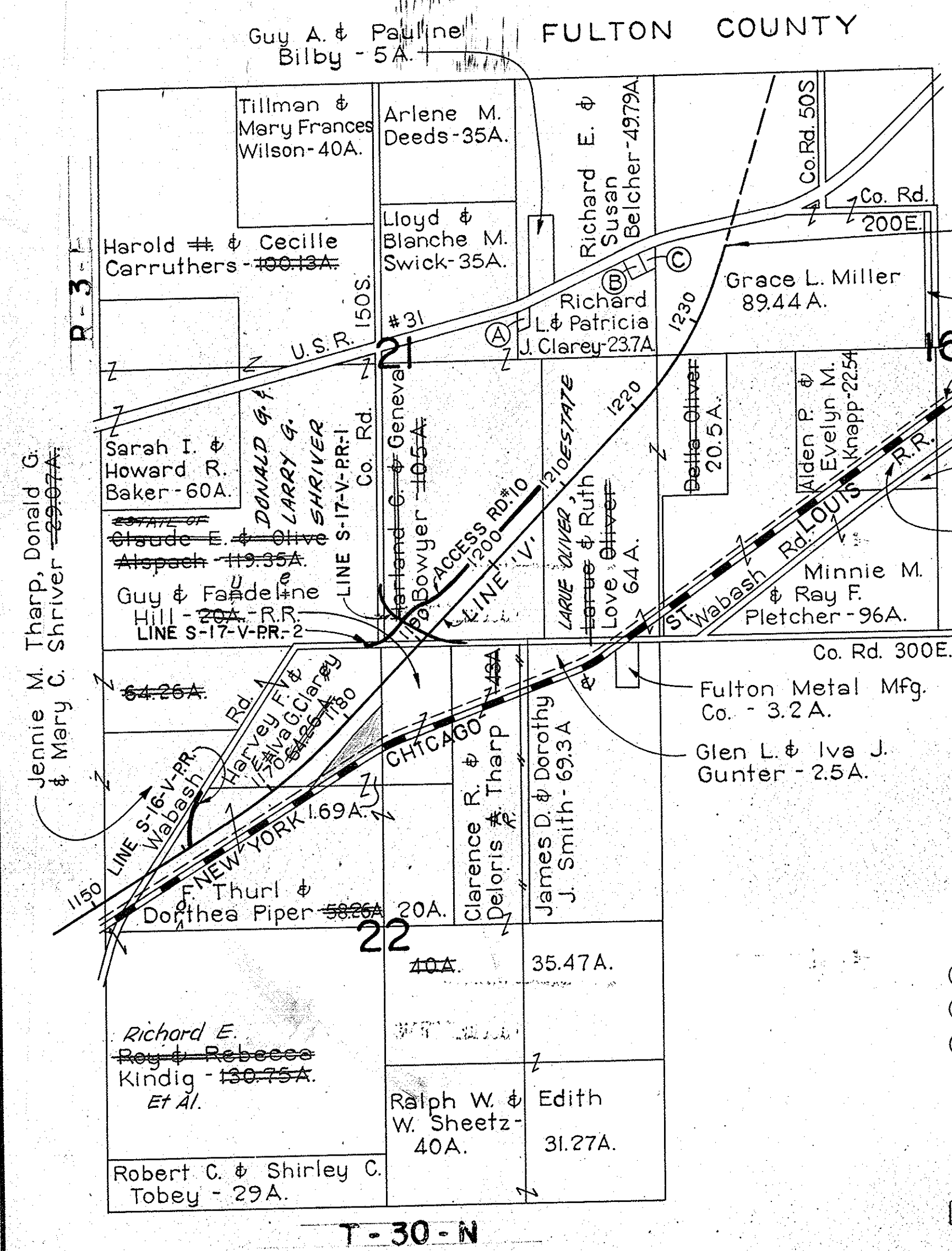
PARCEL 29 OR PROJECT ST-F-85(28) AND PARCEL 1 ON PROJECT ST-F-85(20) COVER THE SAME LAND, WITH ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT ST-F-85(20)
* (ASTERISK) IN THE BRIDGE COLUMN INDICATES THE PARCEL IS PARTIALLY OR COMPLETELY WITHIN THE LIMITS OF A BRIDGE PROJECT.
* (ASTERISK) IN THE BLOG. COLUMN INDICATES A BUILDING IS PARTIALLY OR COMPLETELY WITHIN THE LIMITS OF THE R/W REQUIRED.
PARCEL ADDED 6-4-71 R. LIND
S16VPR 52 55 15+24 34.060AC 0.805AC FS 0.149AC A=30.208AC B=2.898AC

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	4	

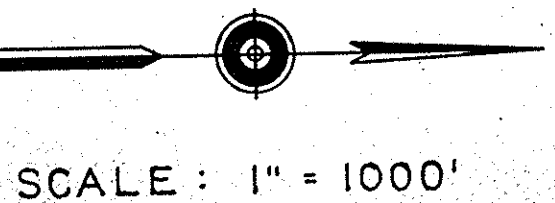


- (A) J.S. Gleason, Administrator Veterans Affairs 17.88 A.
- (B) Charles R. Burns 6.51 A.
- (C) Ralph & Judy Ously 0.5 A.
- (D) Richard & Suzanne & Mickey E. Belcher 31.502 A.
- (E) Emily J. & Madie Oberg 0.998 A.
- (F) Harvey N. & Glenn H. Smith 0.5 A.
- (G) Bloice & Maude Reynolds 11.68 A.
- (H) Robert & Cora L. Burns 16.18 A.
- (I) Mud Creek Church & Cemetery - 1A

PLAT #1
FOR DESIGN DEPT.
DETAILS



ENDS PROJECT 85 (28) R/W
 STA. 1238 + 00 LINE 'V' BACK
 BEGINS PROJECT 85 (20) R/W
 STA. 1047 + 90.78 LINE 'U' AHEAD

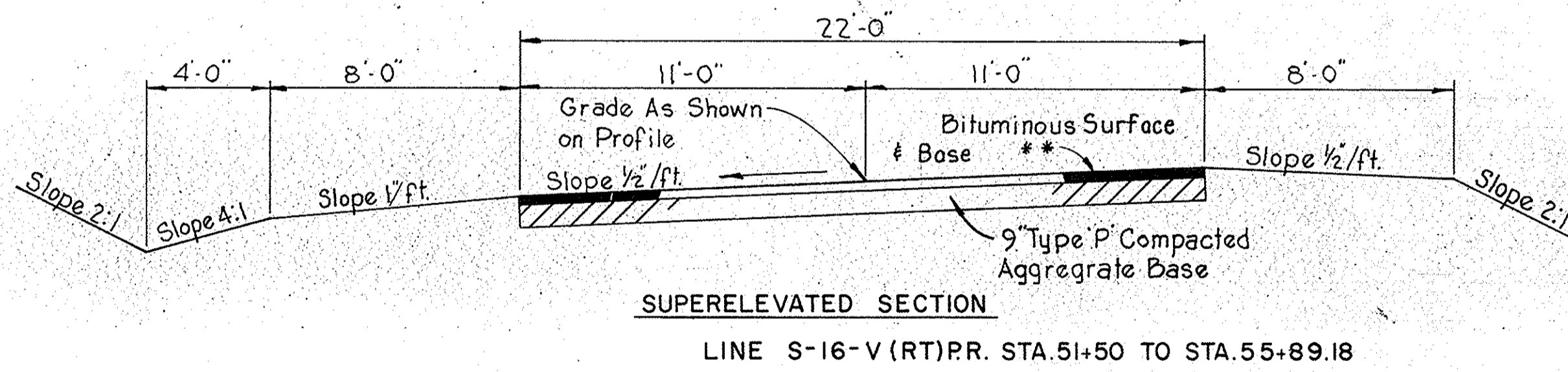
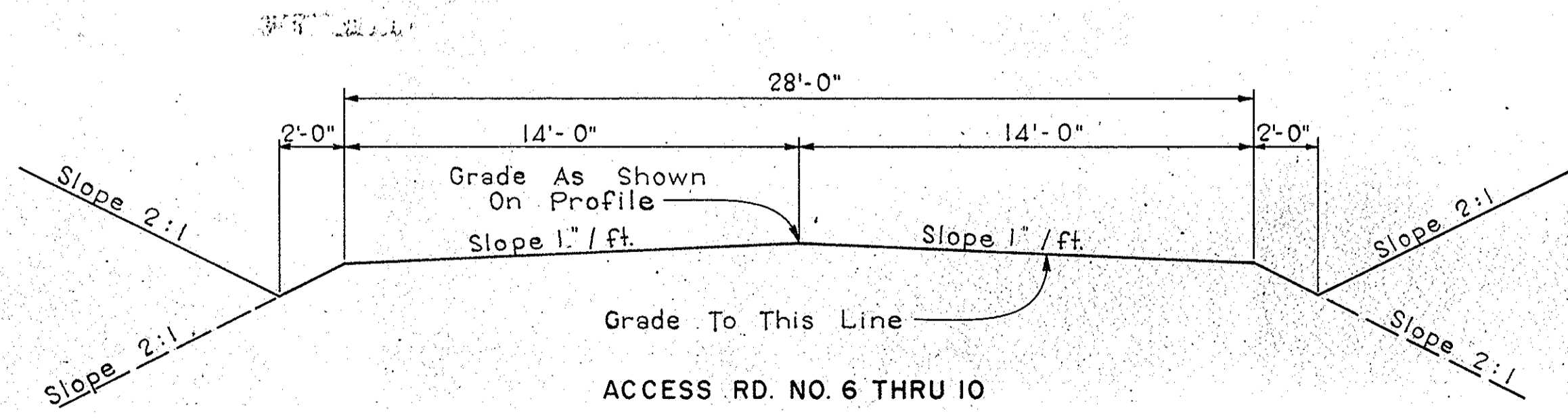
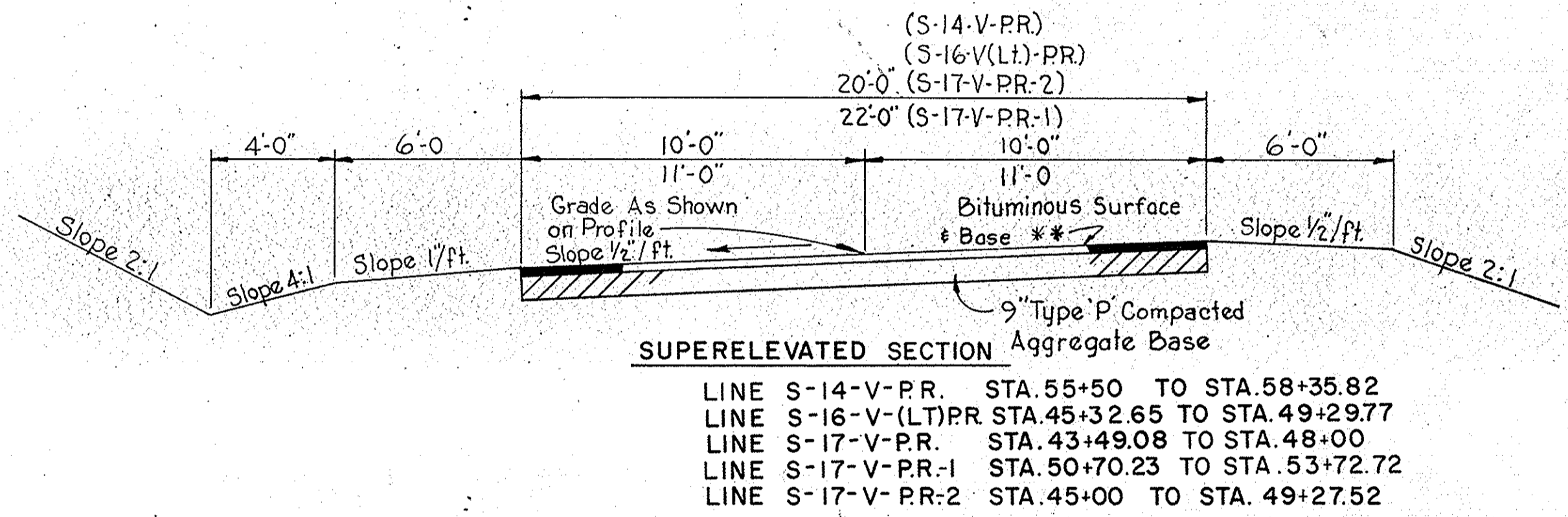
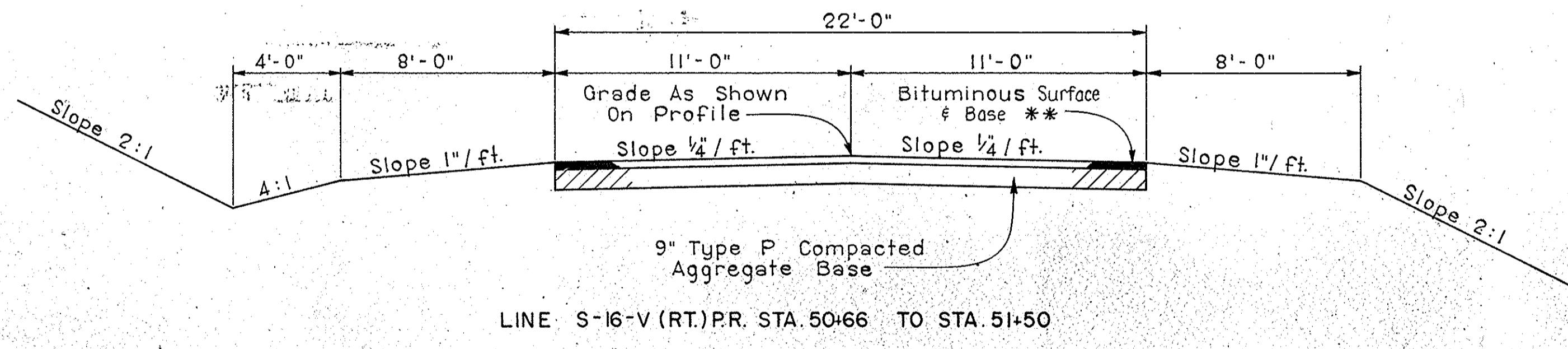
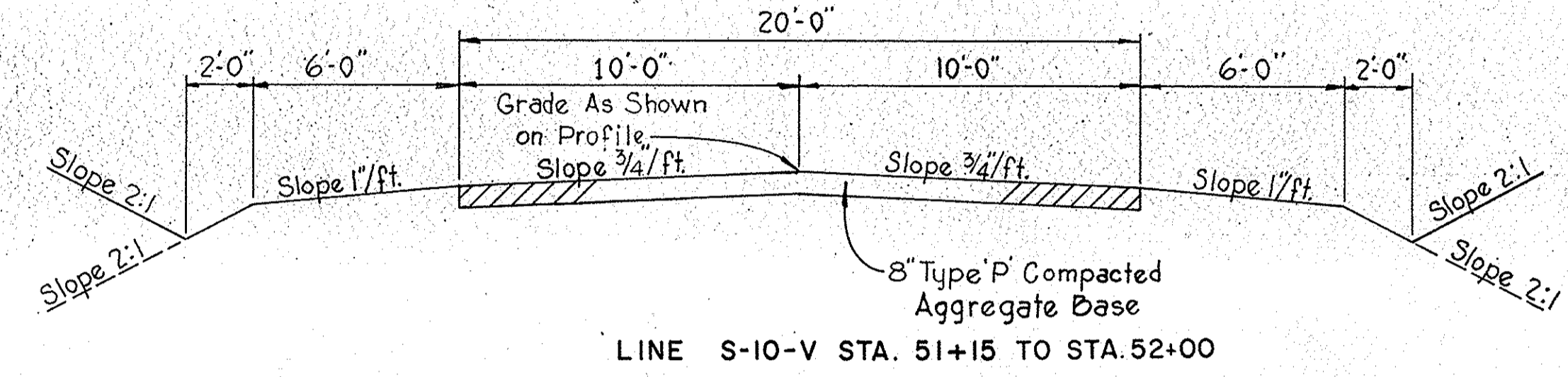
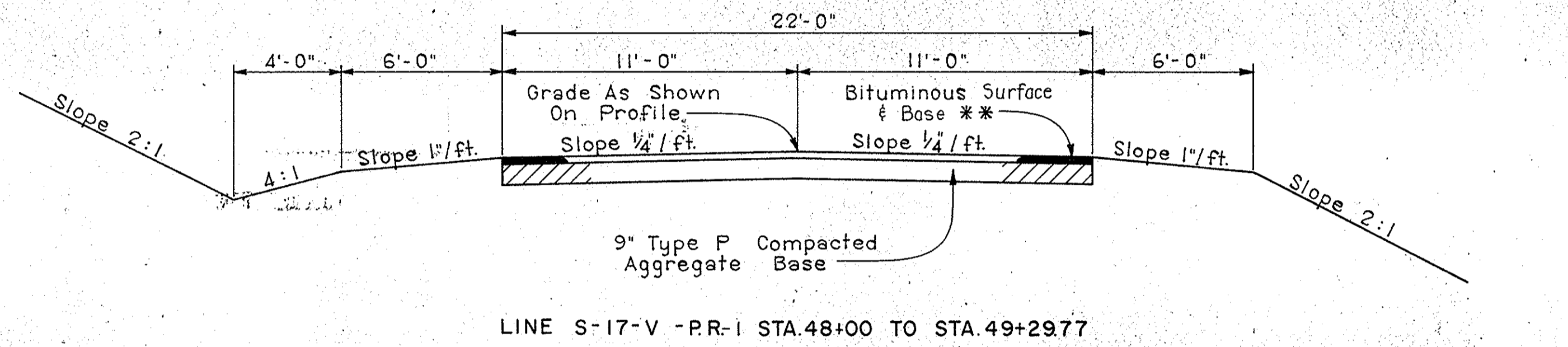
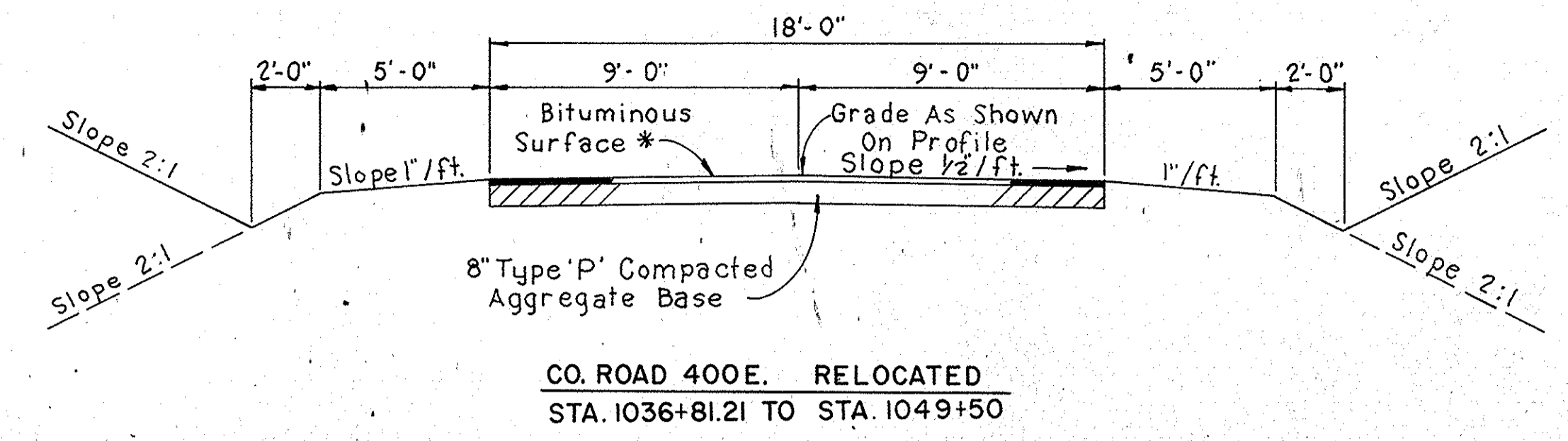
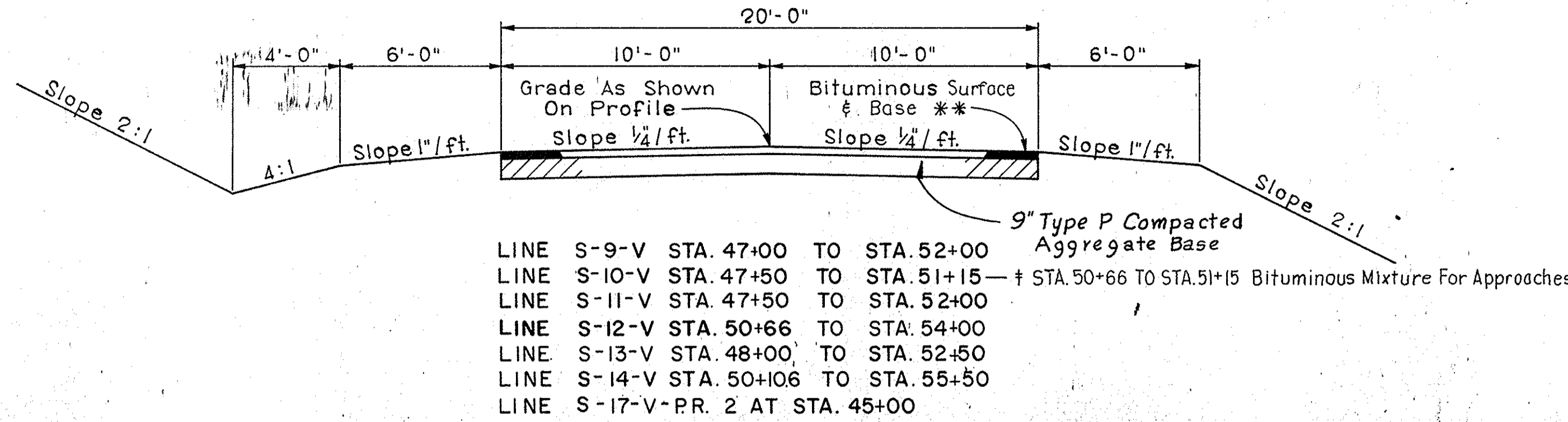


- SECTION 21 T.30N., R.3E.
- (A) Arthur L. & Mary Lela Hoffman - 0.6 A.
 - (B) David L. & Mary K. Sayger - 0.459 A.
 - (C) Larry G. & Teresa P. Good - 0.46 A.

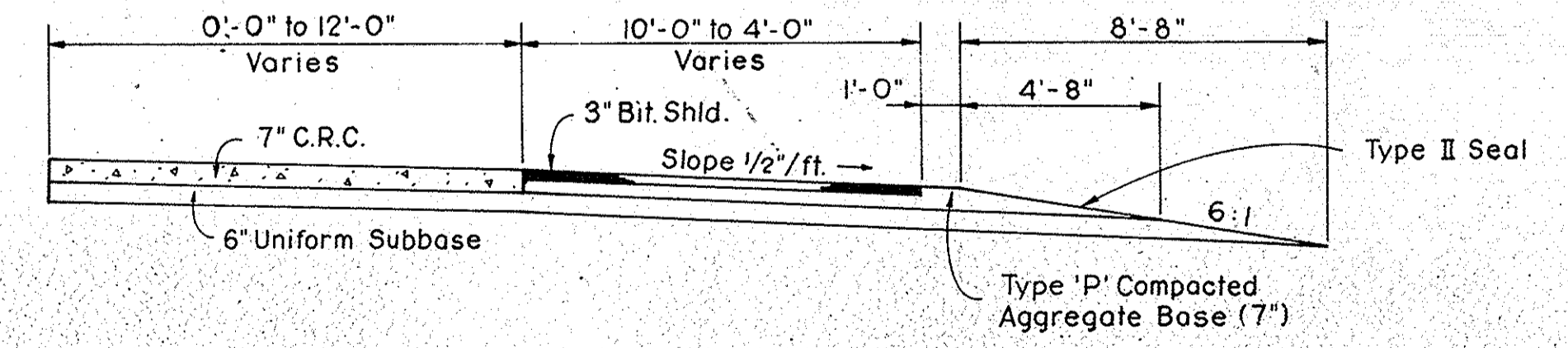
Land Locked, No Access Provided

PLAT #1
 FOR DESIGN DEPT.
DETAILS

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	6	



- † Bituminous Mixture For Approaches
 110 #/S.Y. Hot Asphaltic Conc. Surface Type 'B' on
 220 #/S.Y. (or more) Hot Asphaltic Conc. Base.
 Or
 110 #/S.Y. Hot A.E. Surface Type III on
 220 #/S.Y. (or more) Hot A.E. Base.
- * Bituminous Surface
 135 #/S.Y. (Minimum) Hot Asphaltic Conc. Surface Type 'A'
 Or
 135 #/S.Y. (Minimum) Hot A.E. Surface, Type II.
- ** Bituminous Surface & Base
 90 #/S.Y. Hot Asphaltic Conc. Surface Type B on
 240 #/S.Y. (or more) Hot Asphaltic Conc. Base
 Or
 90 #/S.Y. Hot A.E. Surface Type III on
 240 #/S.Y. (or more) Hot A.E. Base.



TYPICAL CROSS SECTIONS

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

RECOMMENDED FOR APPROVAL. ENGINEER OF ROAD DESIGN - INDIANA STATE HIGHWAY COMMISSION

SEE SHEET FOR PEAT EXCAVATION DETAIL

PROJ.	LINE	SHEET	FILE
ST-F-85(28)		6	

REV. 6-19-72, Name Change - PARCEL 2. A. PERRY
REV. 8-1-72, Name Change - PARCEL 1. A. PERRY

REV. 4-6-72 (L.R. 3-9-72) ADDED EXIST. 5" x 6" DRAIN TILE
@ STA. 908 ± TO 920 ± L.V.
F.B. SMITH

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	7	7

PLAN

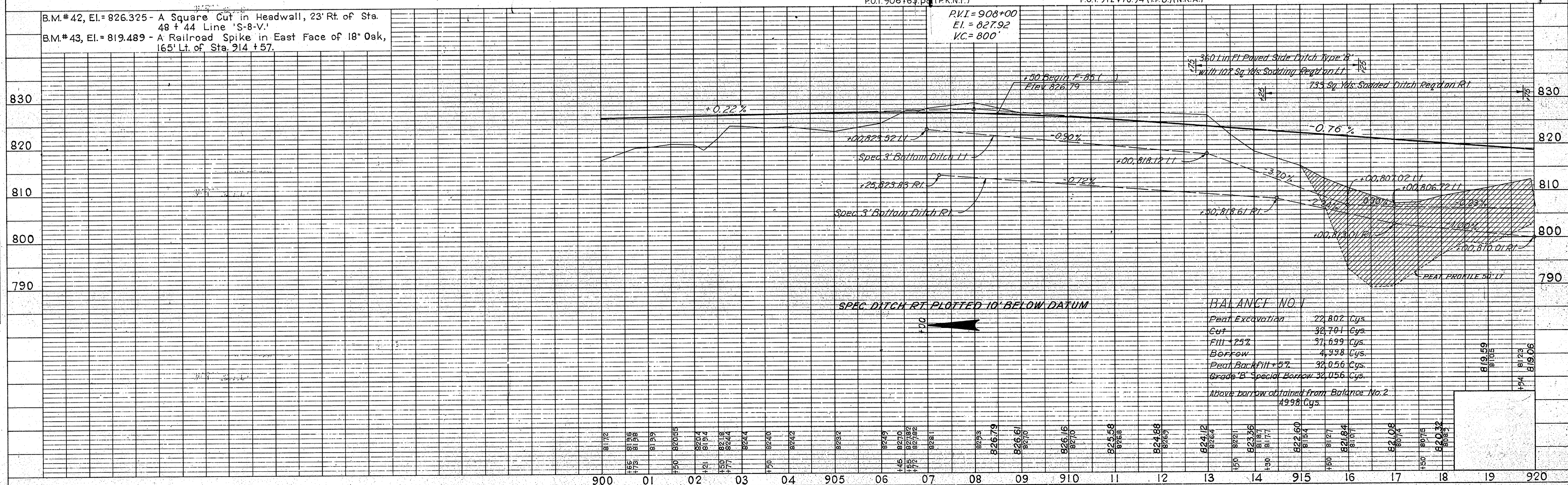
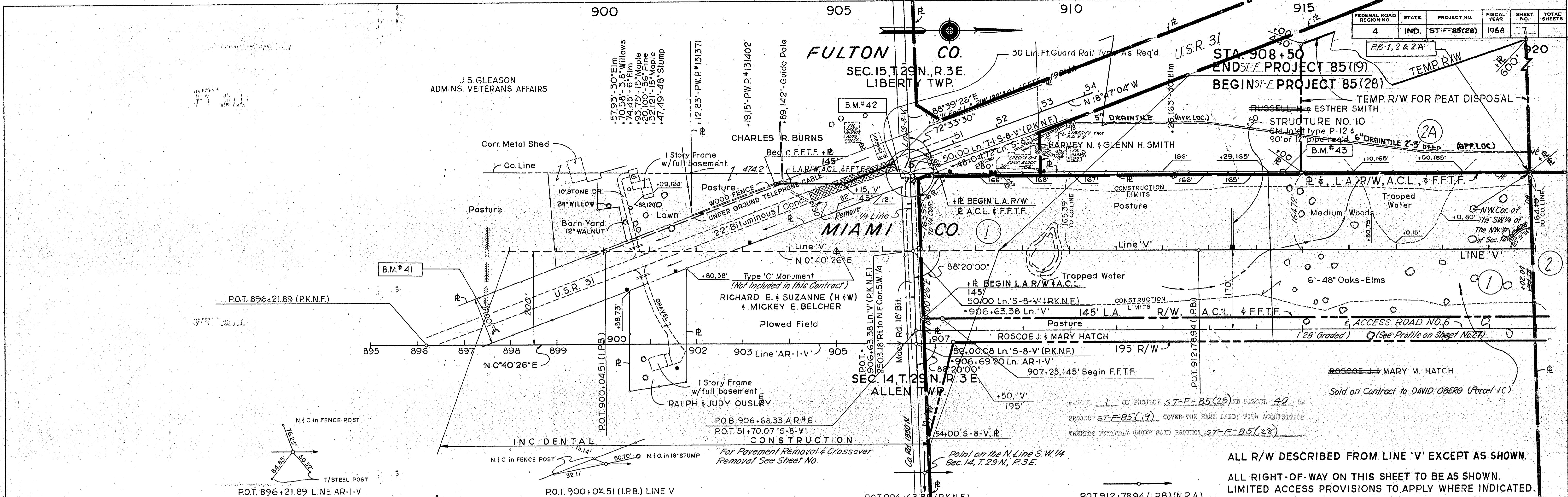
BY: [Name]
CHECKED: [Name]
DATE: [Date]

NOTE: BOOK ALIGNMENT CHECKED
NO. 363311 R. OF WAY CHECKED
NO. 363311

PROFILE

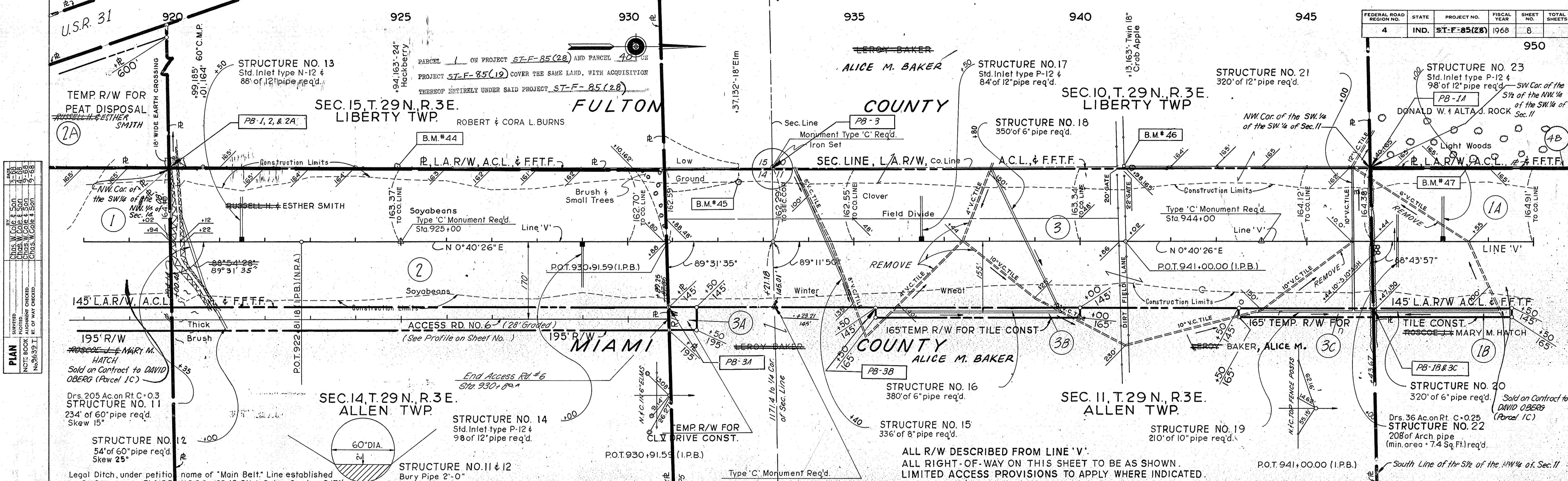
BY: [Name]
CHECKED: [Name]
DATE: [Date]

NOTE: BOOK GRADE CHECKED
NO. 364401 STRUCTURE NOTATIONS CHECKED
NO. 364401



BALANCE NO. 1

Peat Excavation	27,807 Cys
Cut	38,701 Cys
Fill + 25%	37,639 Cys
Borrow	4,998 Cys
Peat Backfill + 25%	32,056 Cys
Grade B Special Borrow 30,056 Cys	
Above borrow obtained from Balance No. 2	4998 Cys

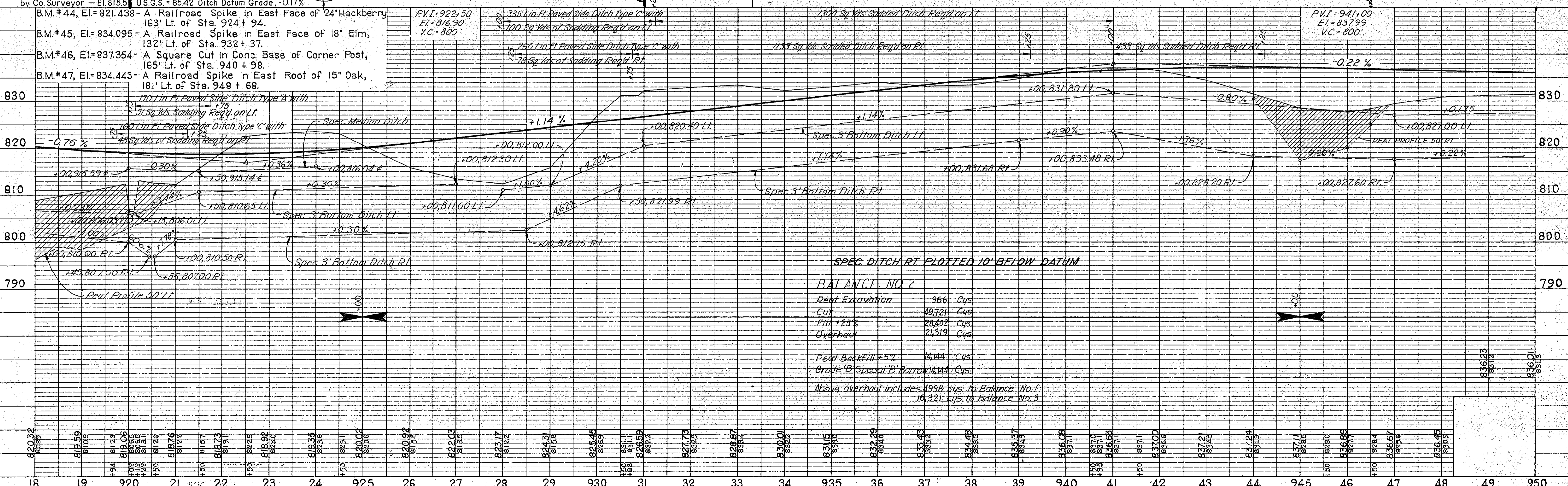


PLAN

BY: [Name]
 CHECKED: [Name]
 DATE: [Date]

PROFILE

BY: [Name]
 CHECKED: [Name]
 DATE: [Date]



BALANCE NO. 2

Peat Excavation	966 Cys
Cut	49,721 Cys
Fill + 25%	28,402 Cys
Overhaul	21,319 Cys
Peat Backfill 5%	4,144 Cys
Grade 'B' Special 'B' Borrow	4,144 Cys

Above overhaul includes 4998 cys. to Balance No. 1
16,321 cys. to Balance No. 3

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	8	

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
ST-F-85(28)	V	8		

Handwritten signature and date: [Signature] 12/10/68

REVISED 6-21-1972, ADDED PARCEL A B, A.J. NICKSON

REV. 2-13-73, NAME CHANGE - PARCEL 5 - A. PERRY
REV. 11-27-72 CHANGE NAME - PARCEL 5, A.J. NICKSON

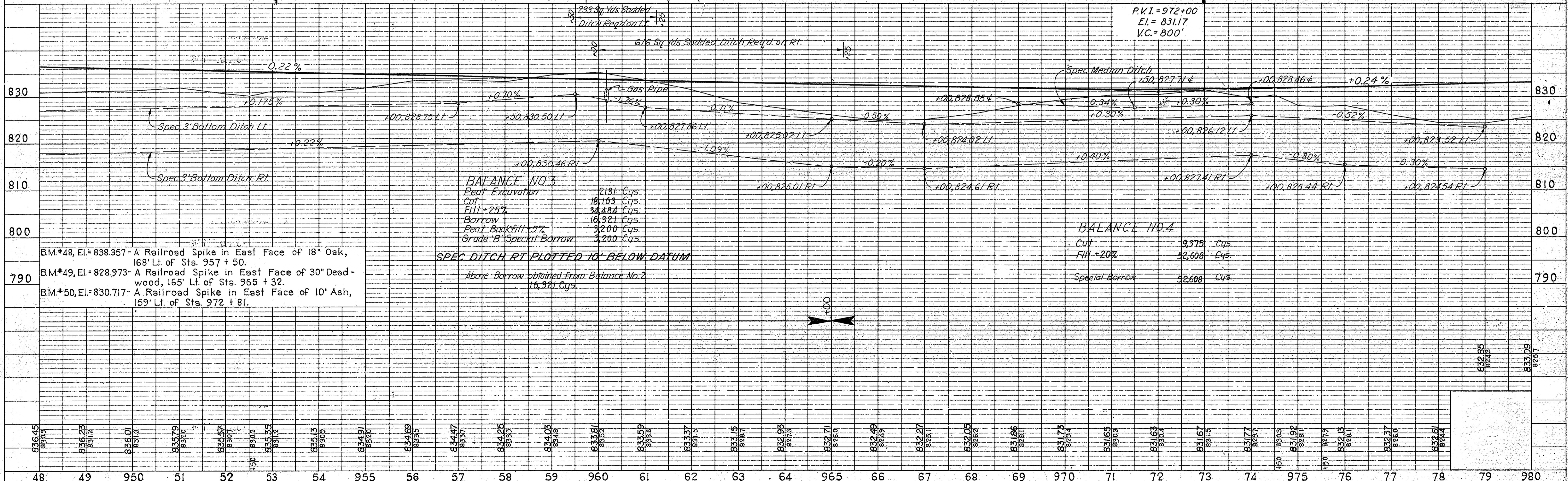
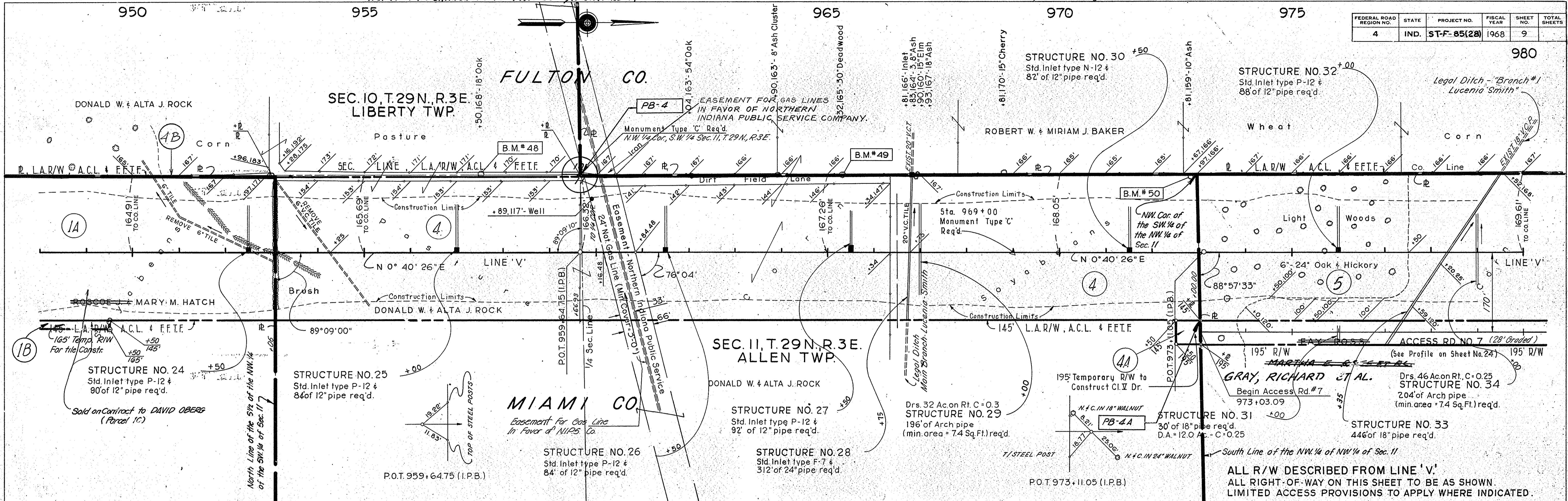
REV. 6-19-72, NAME CHANGE - PARCEL 5 - A. PERRY
REV. 8-1-72, NAME CHANGE - PARCEL 1 - A. PERRY

REV. 8-21-70, ADDED TEMP. R/W FROM STA. 948+ TO 949+50, RT., LINE "V."
W.T. NEWLIN, JR. - BUTLER, FAIRMAN & SEUFERT, INC.

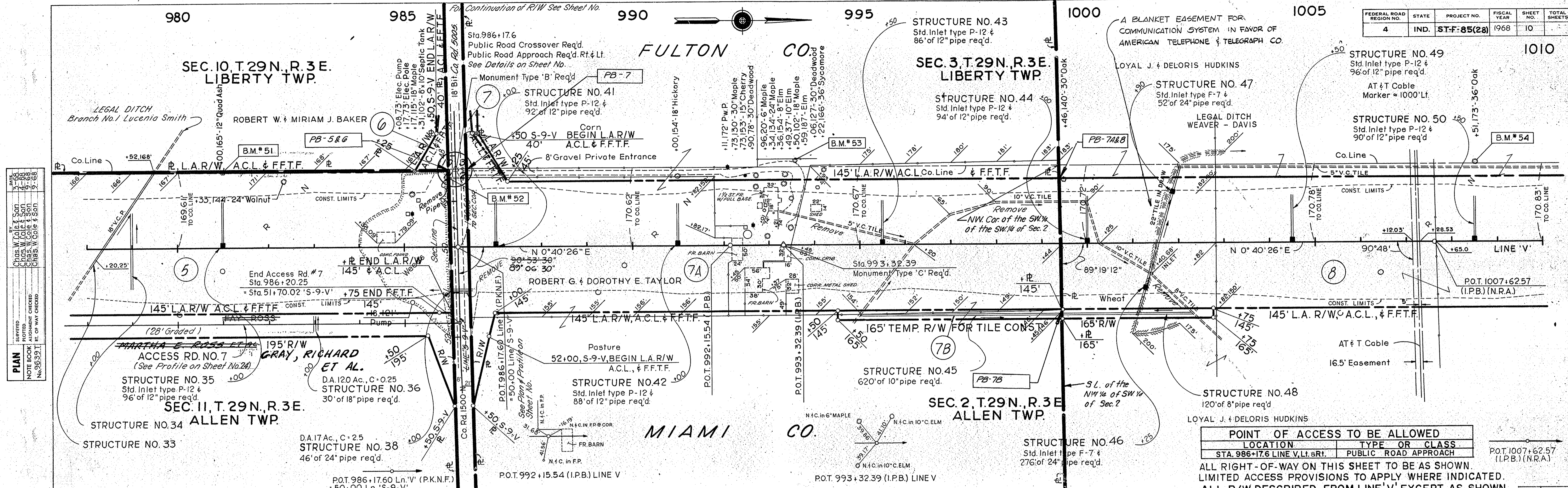
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	9	

PLAN
 SURVEYED BY: CHAS. W. COLE & SON, INC.
 NOTE BOOK NO. 10-68
 CHECKED BY: CHAS. W. COLE & SON, INC.
 No. 96391 RT. OF WAY CHECKED

PROFILE
 SURVEYED BY: CHAS. W. COLE & SON, INC.
 NOTE BOOK NO. 10-68
 CHECKED BY: CHAS. W. COLE & SON, INC.
 No. 96401. STRUCTURE NOTATIONS CHECKED



FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	10	



POINT OF ACCESS TO BE ALLOWED	
LOCATION	TYPE OR CLASS
STA. 986+17.6 LINE V, Lt. R/L	PUBLIC ROAD APPROACH

ALL RIGHT-OF-WAY ON THIS SHEET TO BE AS SHOWN.
LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED.
ALL R/W DESCRIBED FROM LINE 'V' EXCEPT AS SHOWN.

PLAN

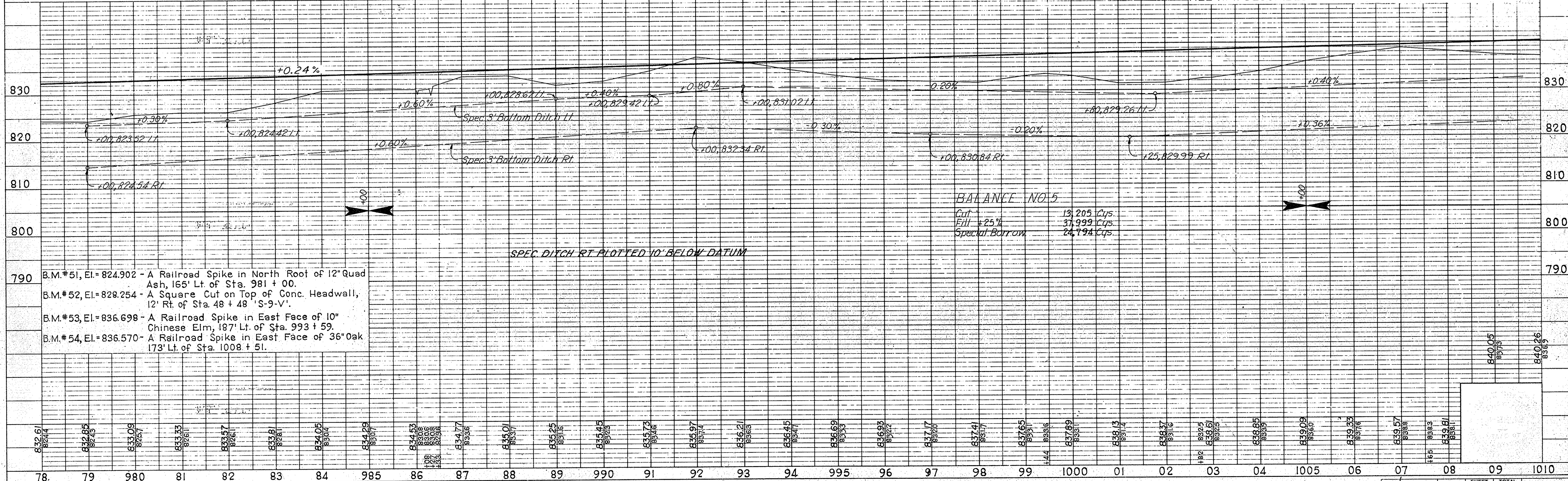
BY: CLASS. W. COLE & SON
CHECKED: CLASS. W. COLE & SON
DATE: 10-1-68

NOTED: NOTE BOOK GRASSES CHECKED
NO. 2640 L. STRUCTURE NOTATIONS CHECKED
NO. 2640 L. STRUCTURE NOTATIONS CHECKED

PROFILE

BY: CLASS. W. COLE & SON
CHECKED: CLASS. W. COLE & SON
DATE: 10-1-68

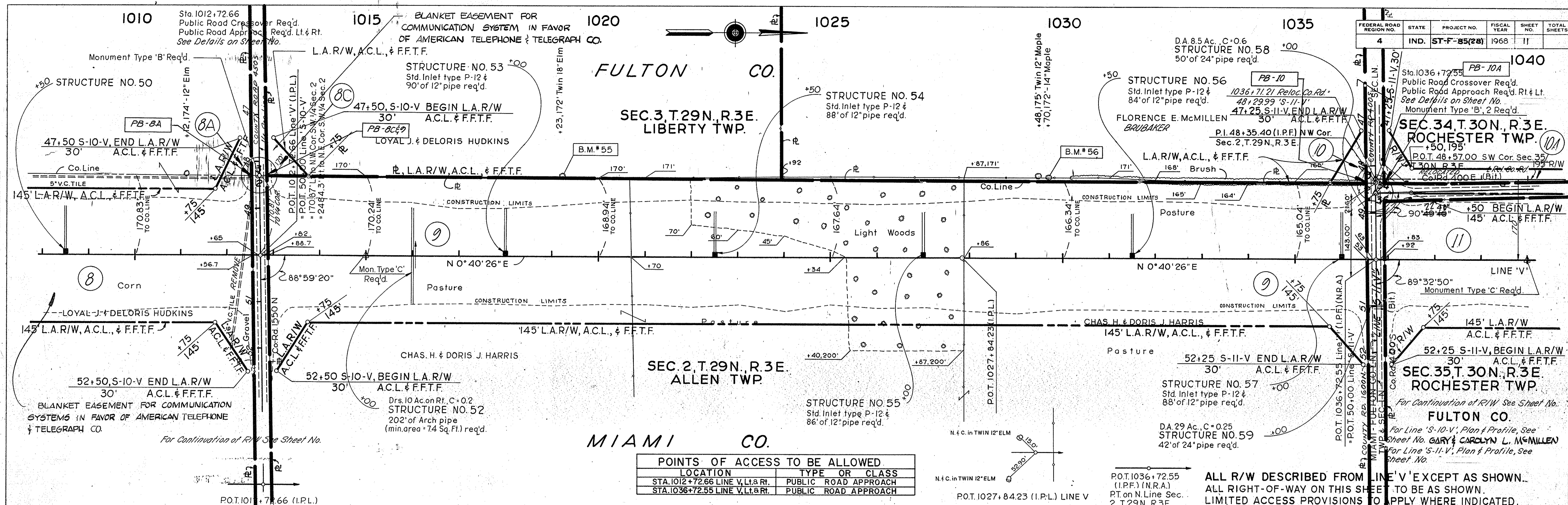
NOTED: NOTE BOOK GRASSES CHECKED
NO. 2640 L. STRUCTURE NOTATIONS CHECKED
NO. 2640 L. STRUCTURE NOTATIONS CHECKED



SURVEYED BY: C. W. COLE & SONS
 CHECKED BY: C. W. COLE & SONS
 DATE: 10/10/68
 NO. 96331
 STRUCTURE MODIFICATIONS CHECKED BY: C. W. COLE & SONS
 DATE: 10/10/68

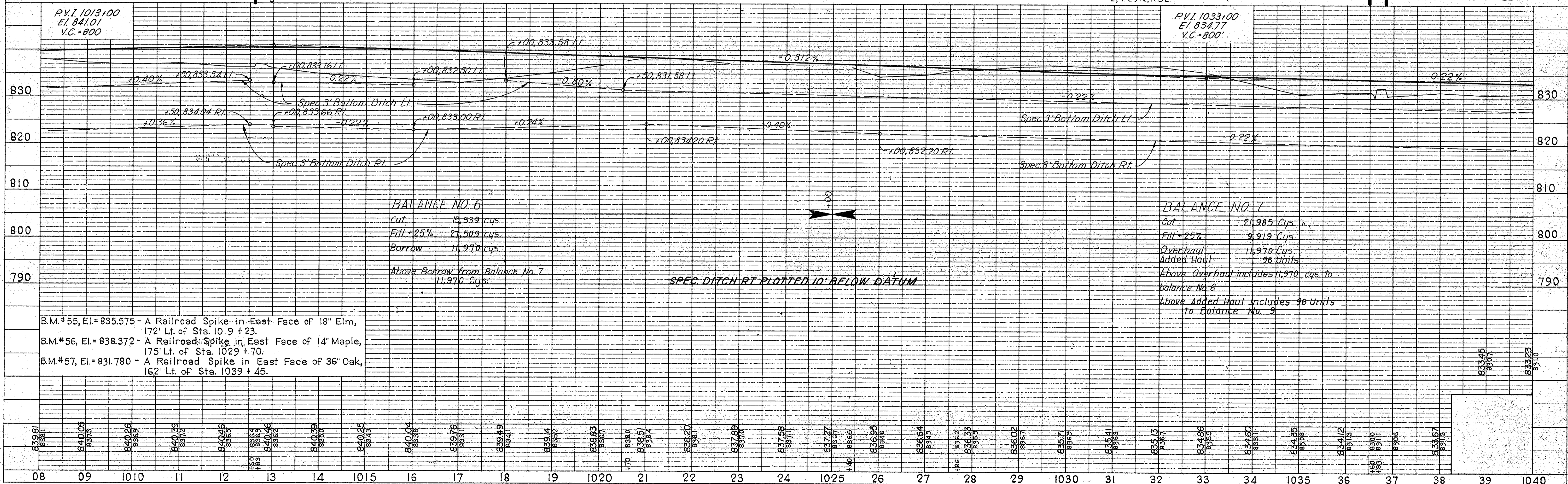
SURVEYED BY: C. W. COLE & SONS
 CHECKED BY: C. W. COLE & SONS
 DATE: 10/10/68
 NO. 96331
 STRUCTURE MODIFICATIONS CHECKED BY: C. W. COLE & SONS
 DATE: 10/10/68

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	11	



POINTS OF ACCESS TO BE ALLOWED	
LOCATION	TYPE OR CLASS
STA. 1012+72.66 LINE V, Lt. & Rt.	PUBLIC ROAD APPROACH
STA. 1036+72.55 LINE V, Lt. & Rt.	PUBLIC ROAD APPROACH

ALL R/W DESCRIBED FROM LINE 'V' EXCEPT AS SHOWN.
 ALL RIGHT-OF-WAY ON THIS SHEET TO BE AS SHOWN.
 LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED.



B.M.#55, El.=835.575 - A Railroad Spike in East Face of 18" Elm, 172' Lt. of Sta. 1019 +23.
 B.M.#56, El.=838.372 - A Railroad Spike in East Face of 14" Maple, 175' Lt. of Sta. 1029 +70.
 B.M.#57, El.=831.780 - A Railroad Spike in East Face of 36" Oak, 162' Lt. of Sta. 1039 +45.

BALANCE NO. 6
 Cut: 15,539 cys.
 Fill: 25% 27,509 cys.
 Borrow: 11,970 cys.
 Above Borrow from Balance No. 7: 11,970 cys.

BALANCE NO. 7
 Cut: 21,985 Cys.
 Fill: 25% 9,919 Cys.
 Overhaul: 11,970 Cys.
 Added Haul: 96 Units
 Above Overhaul includes 11,970 cys. to balance No. 6
 Above Added Haul includes 96 Units to Balance No. 9

PROJECT NO.	LINE NO.	SHEET NO.	TOTAL SHEETS	FILE
ST-F-85(28)	V	11		

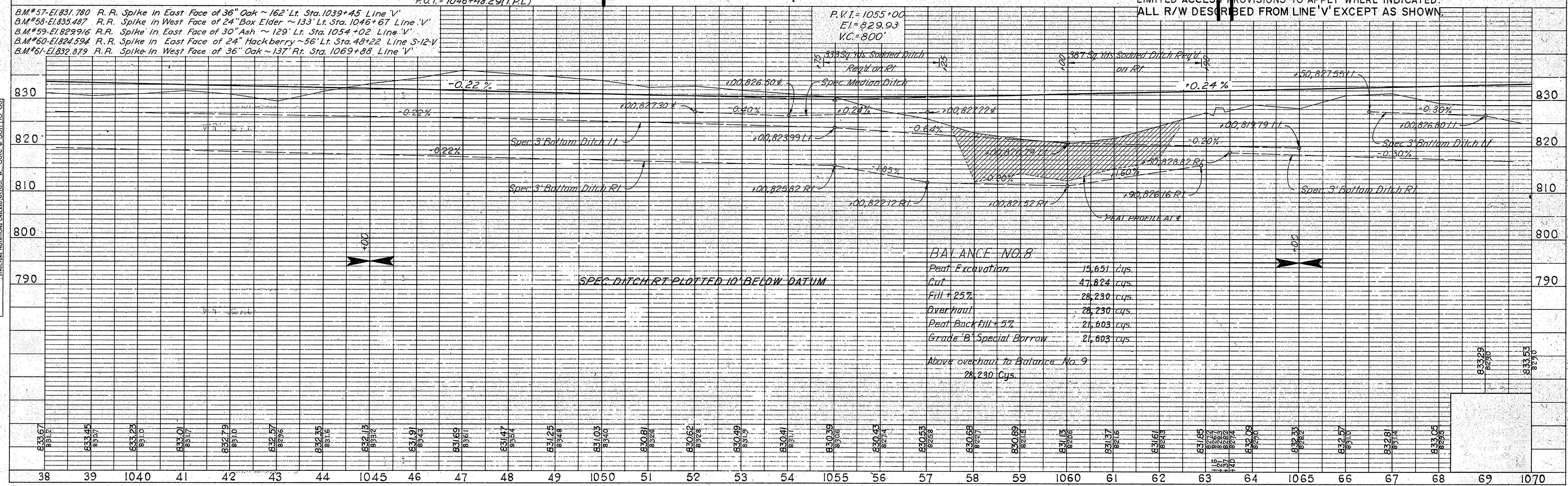
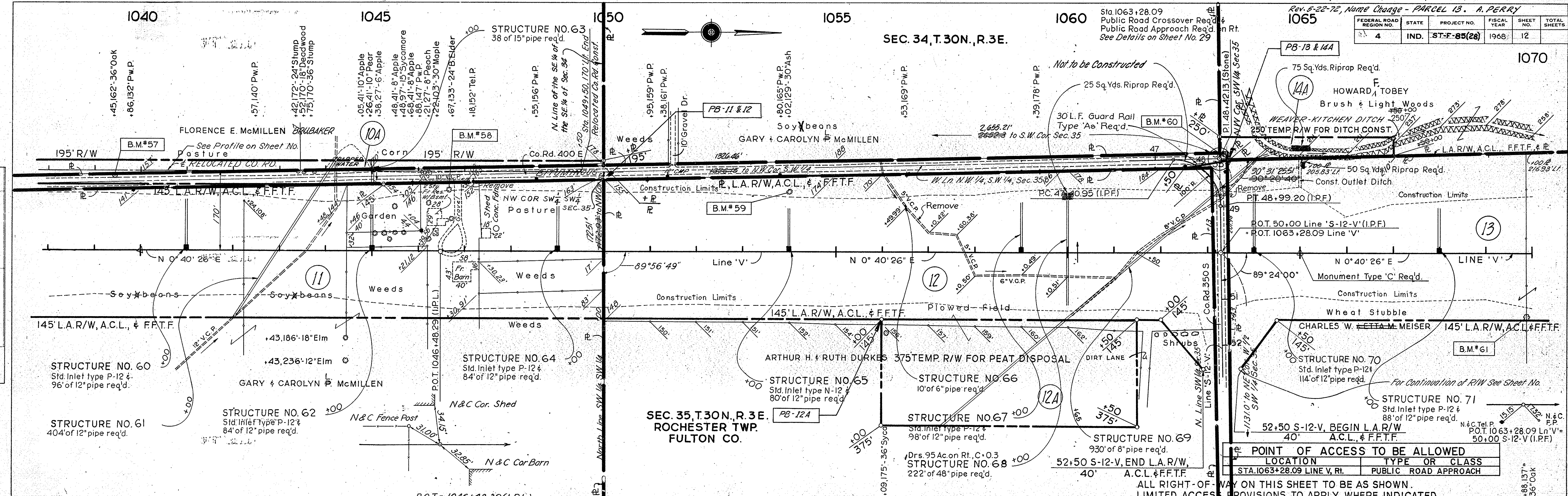
Rev. 8-24-70; Corrected +50 to +100 @ Sta. 1067 Lt., Line 'V'
 W.T. Newlin, Jr. - BUTLER, FAIRMEN, & SEUFERT, INC.

Rev. 6-22-72, Name Change - PARCEL 13. A. PERRY

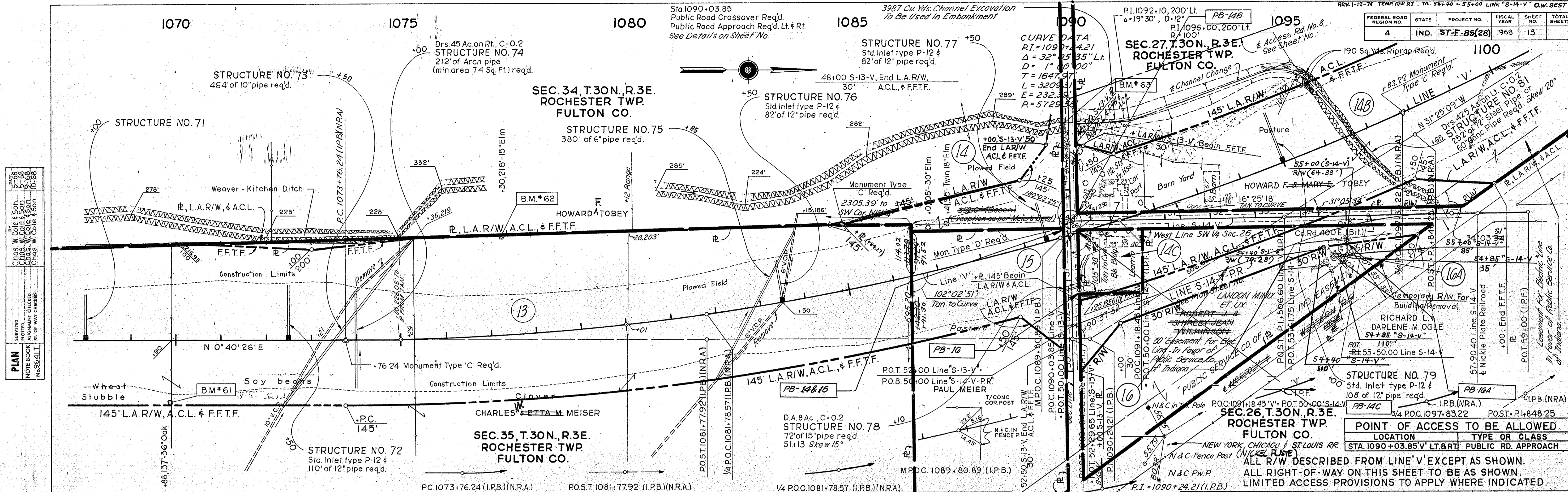
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	12	

PLAN
 CHECKED BY: [Name]
 DRAWN BY: [Name]
 DATE: [Date]

PROFILE
 CHECKED BY: [Name]
 DRAWN BY: [Name]
 DATE: [Date]



FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	13	

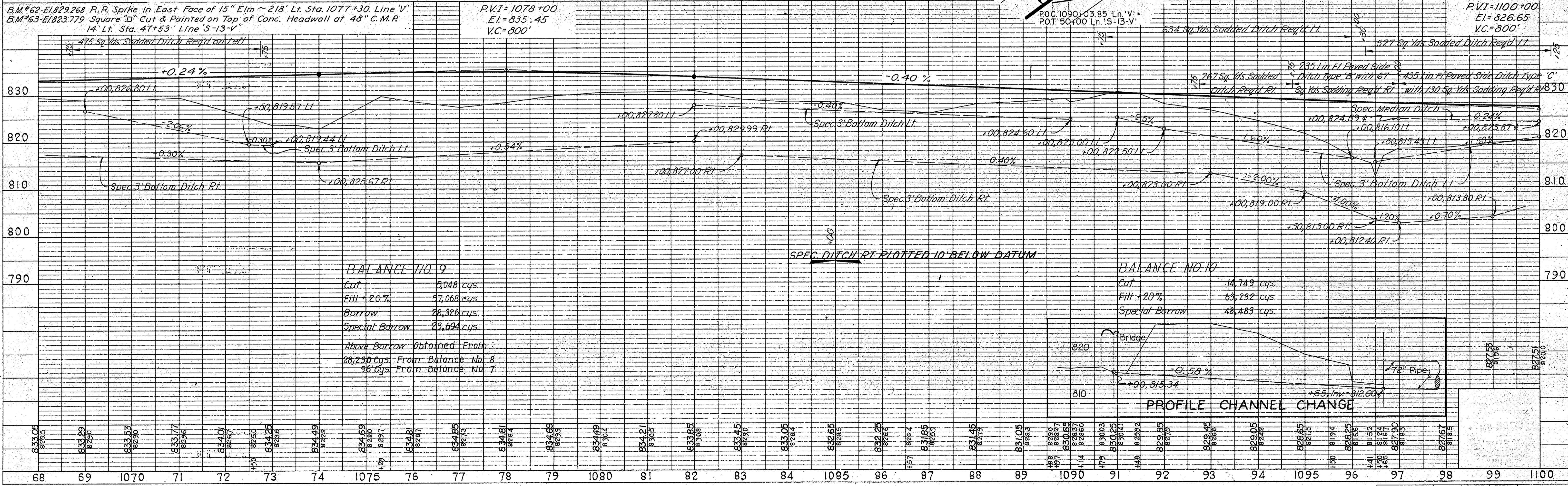


POINT OF ACCESS TO BE ALLOWED LOCATION	TYPE OR CLASS
STA. 1090+03.85 V' LT. & RT.	PUBLIC RD. APPROACH

POINT OF ACCESS TO BE ALLOWED LOCATION TYPE OR CLASS
 STA. 1090+03.85 V' LT. & RT. PUBLIC RD. APPROACH
 ALL R/W DESCRIBED FROM LINE 'V' EXCEPT AS SHOWN.
 ALL RIGHT-OF-WAY ON THIS SHEET TO BE AS SHOWN.
 LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED.

PLAN
 SURVEYED BY: CHAS. W. COLE & SON, INC.
 NOTED BY: CHAS. W. COLE & SON, INC.
 CHECKED BY: CHAS. W. COLE & SON, INC.
 DATE: 11-6-68

PROFILE
 SURVEYED BY: CHAS. W. COLE & SON, INC.
 NOTED BY: CHAS. W. COLE & SON, INC.
 CHECKED BY: CHAS. W. COLE & SON, INC.
 DATE: 11-6-68



BALANCE NO. 9

Cut	5,048 cys.
Fill +20%	57,068 cys.
Borrow	28,326 cys.
Special Borrow	23,694 cys.

Above Borrow Obtained From:
 28,230 cys. From Balance No. 8
 96 cys. From Balance No. 7

BALANCE NO. 10

Cut	16,749 cys.
Fill +20%	63,732 cys.
Special Borrow	48,483 cys.

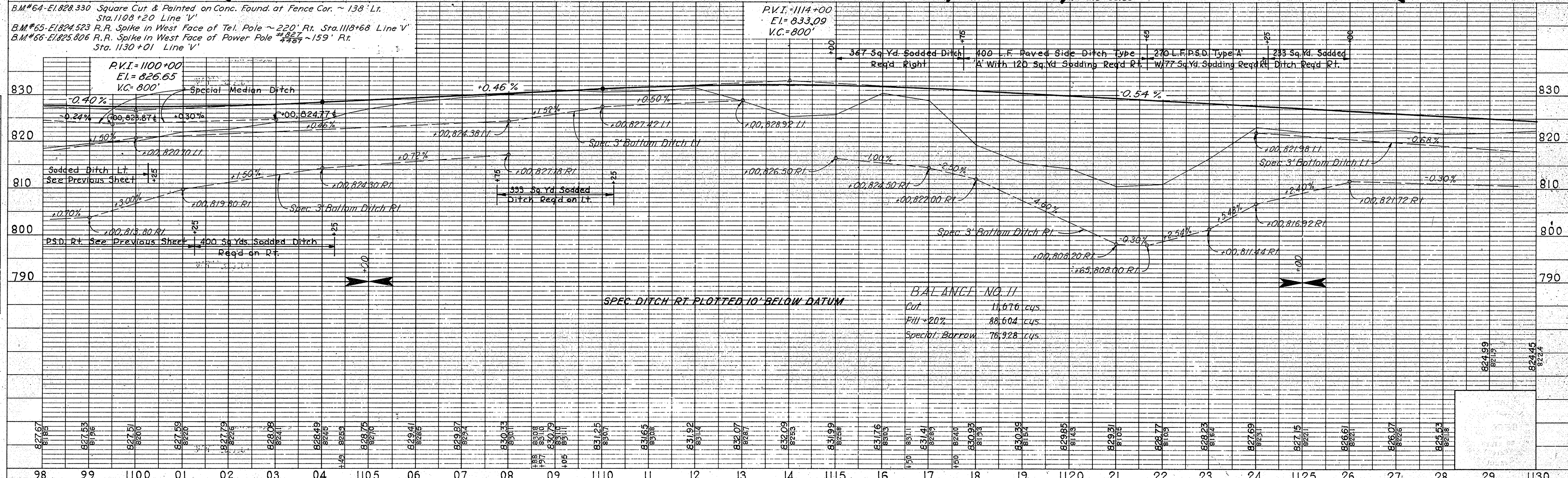
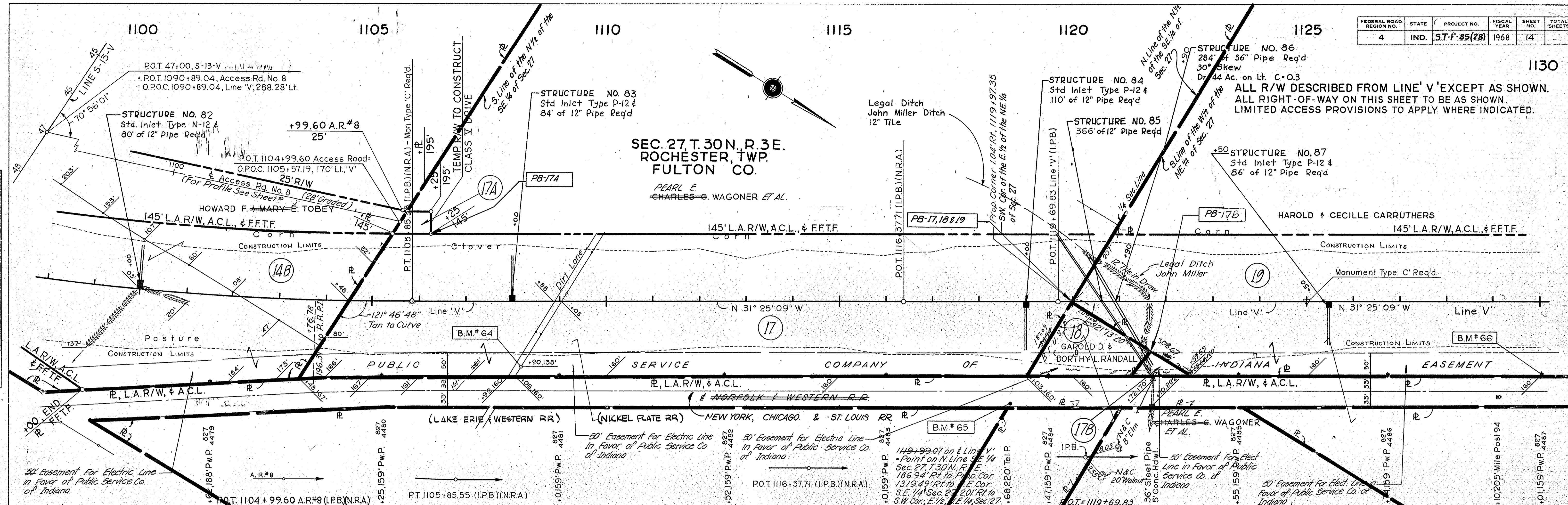
ALL R/W DESCRIBED FROM LINE 'V' EXCEPT AS SHOWN.
ALL RIGHT-OF-WAY ON THIS SHEET TO BE AS SHOWN.
LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED.

SEC. 27 T. 30N. R. 3E.
ROCHESTER, TWP.
FULTON CO.

PEARL E.
CHARLES G. WAGONER ET AL.

DATE: 11-6-68
BY: C. W. COLE & SONS
CHECKED: C. W. COLE & SONS
NO. 96422

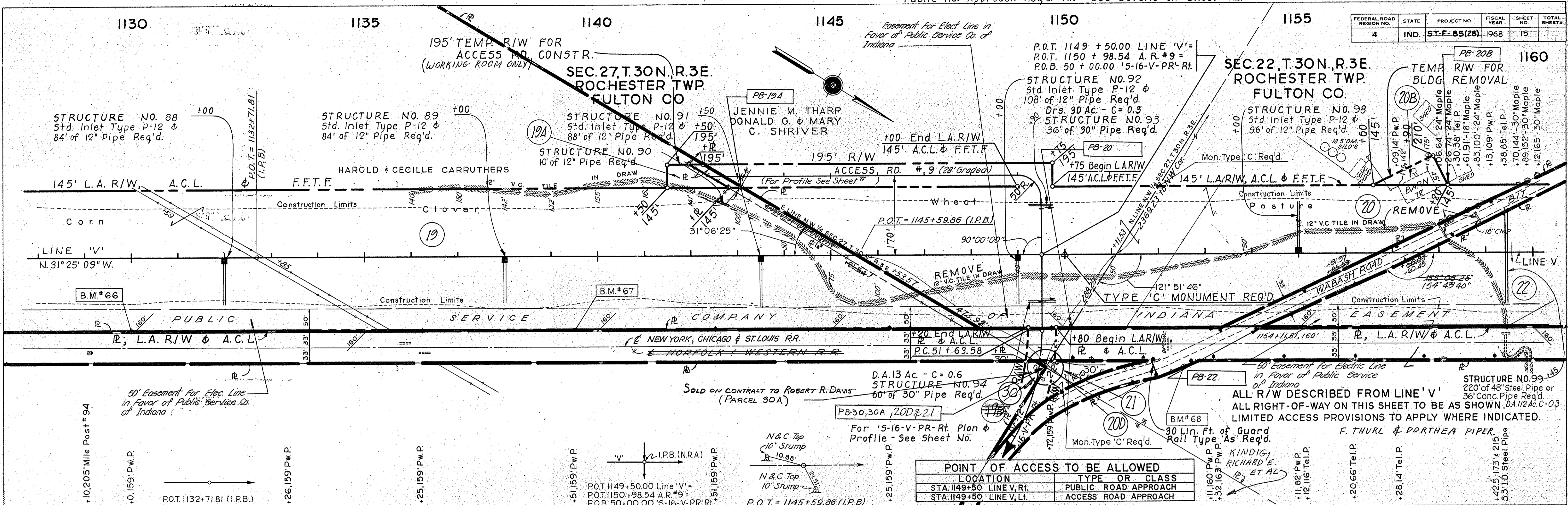
DATE: 11-6-68
BY: C. W. COLE & SONS
CHECKED: C. W. COLE & SONS
NO. 96422



C.W. Cole 11/6/68

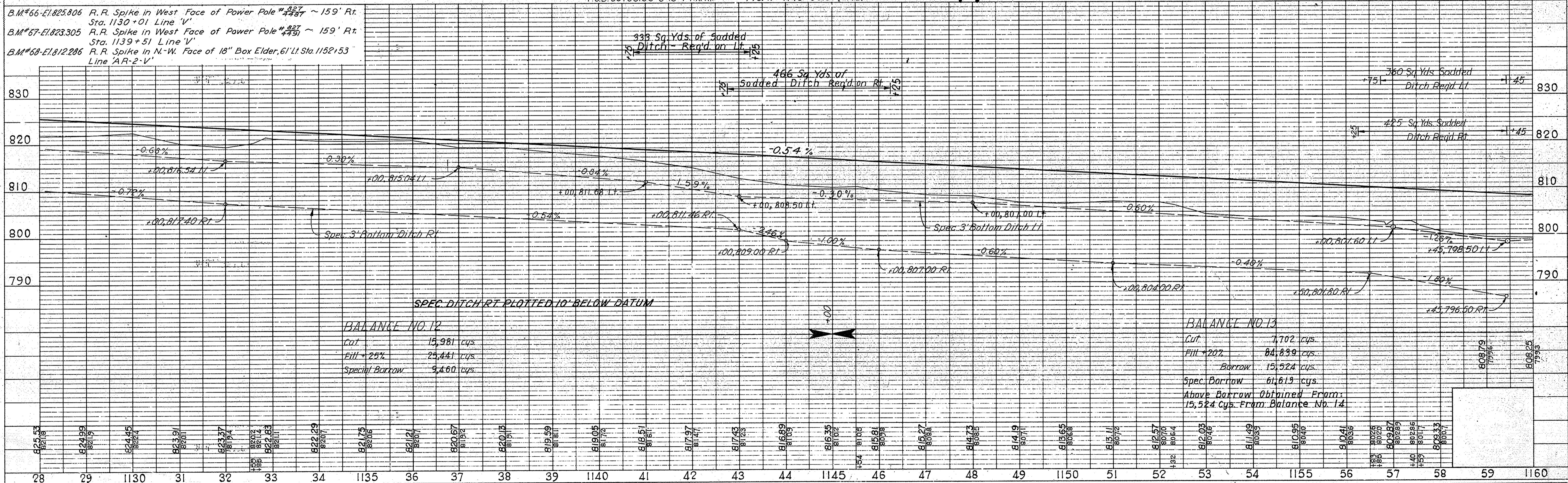
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	15	

PLAN
 SURVEYED BY: CHAS. W. COLE & SON, INC.
 PLOTTED BY: CHAS. W. COLE & SON, INC.
 NOTE BOOK: CHAS. W. COLE & SON, INC. 10-58
 No. 9641 T
 REVISIONS: CHAS. W. COLE & SON, INC. 10-58
 No. 9641 T



POINT OF ACCESS TO BE ALLOWED

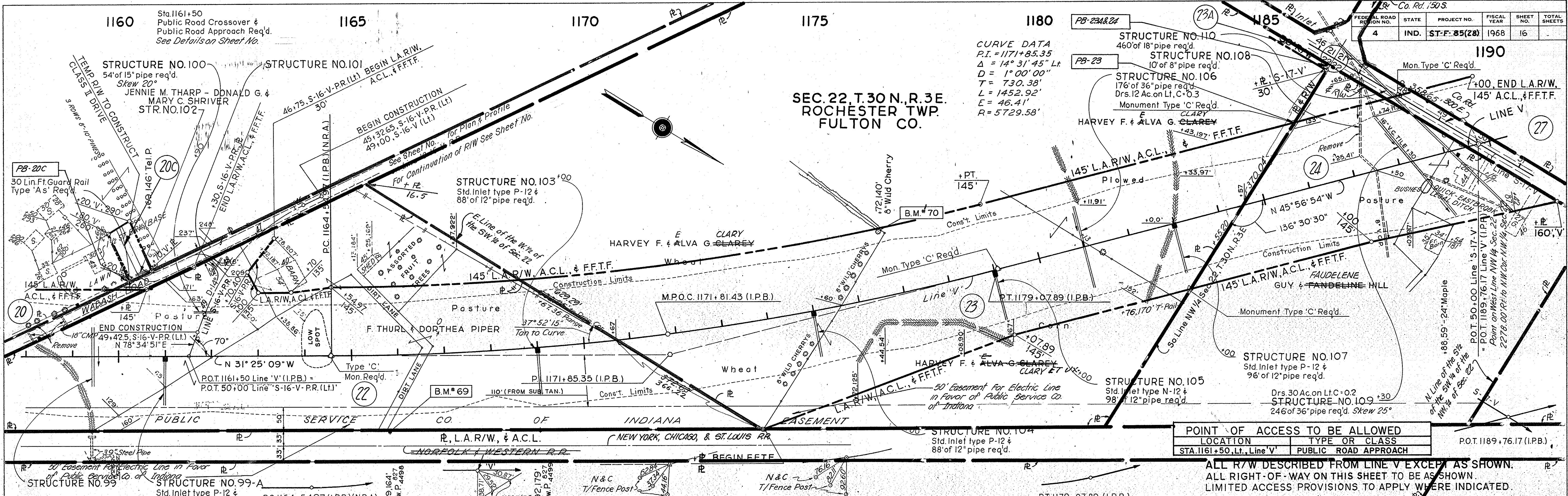
LOCATION	TYPE OR CLASS
STA. 1149+50 LINE V, RT.	PUBLIC ROAD APPROACH
STA. 1149+50 LINE V, LT.	ACCESS ROAD APPROACH



PROFILE
 SURVEYED BY: CHAS. W. COLE & SON, INC.
 PLOTTED BY: CHAS. W. COLE & SON, INC.
 NOTE BOOK: CHAS. W. COLE & SON, INC. 10-58
 No. 9641 T
 REVISIONS: CHAS. W. COLE & SON, INC. 10-58
 No. 9641 T

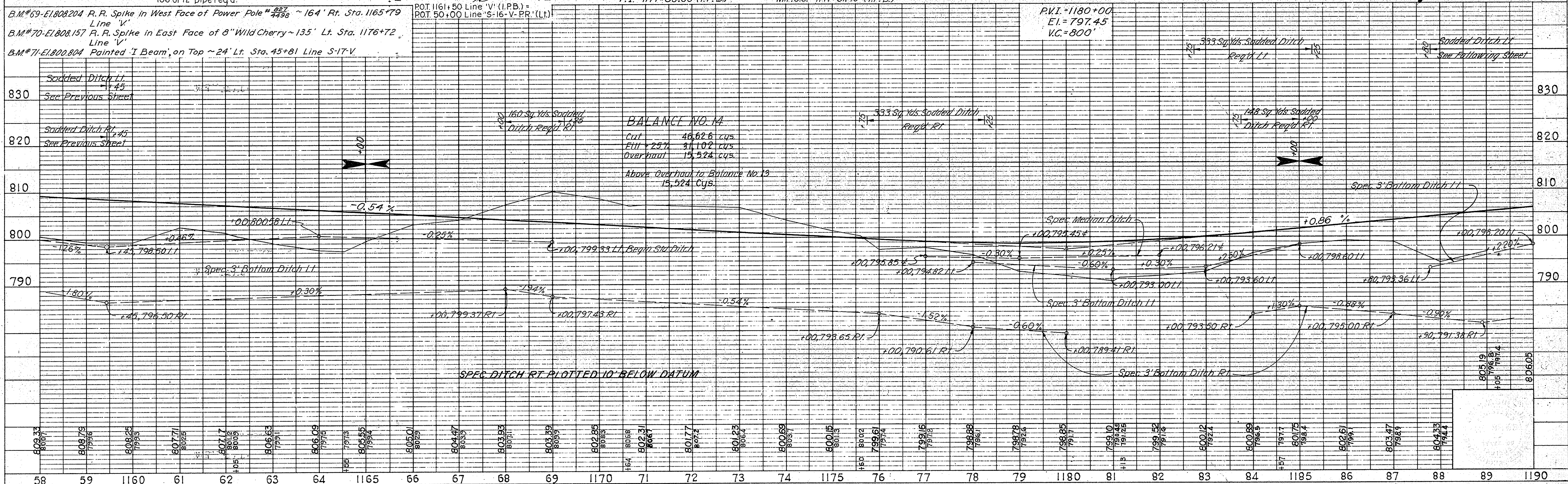
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	16	

SEC. 22, T. 30 N., R. 3 E.
 ROCHESTER TWP.
 FULTON CO.



POINT OF ACCESS TO BE ALLOWED		
LOCATION	TYPE OR CLASS	
STA. 1161+50, Lt. Line 'V'	PUBLIC ROAD APPROACH	

ALL R/W DESCRIBED FROM LINE V EXCEPT AS SHOWN.
 ALL RIGHT-OF-WAY ON THIS SHEET TO BE AS SHOWN.
 LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED.



BALANCE NO. 14

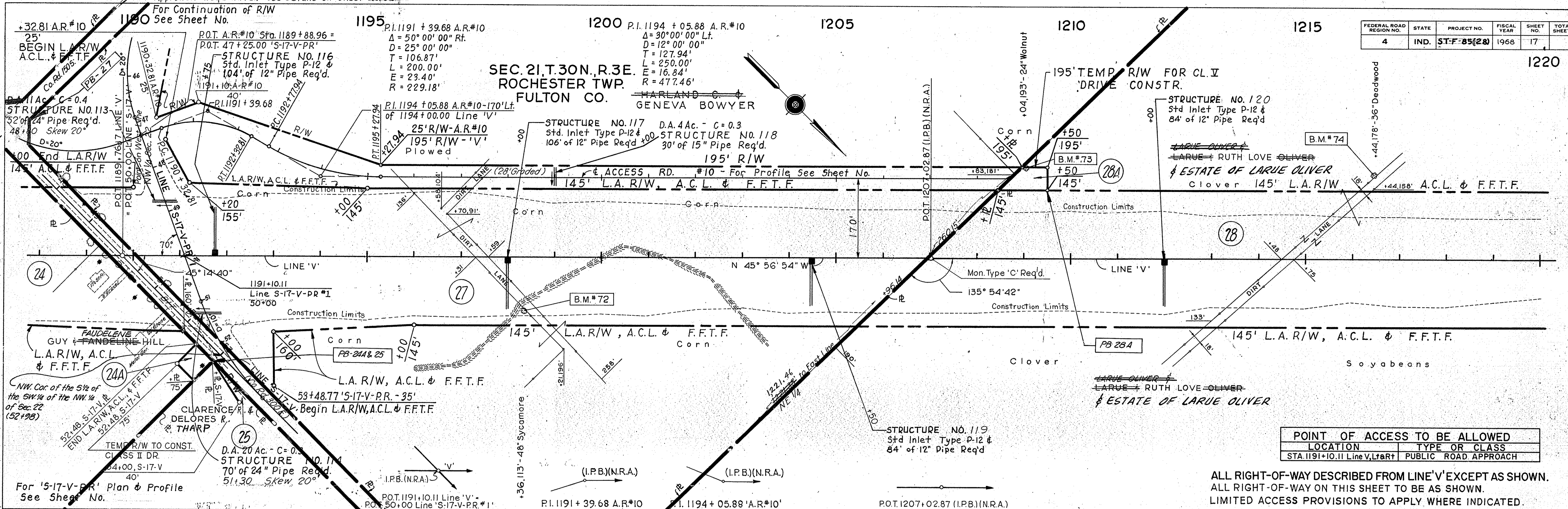
Cut	48,626 cys.
Fill	31,102 cys.
Overhaul	15,524 cys.
Above Overhaul to Balance No. 13	
	15,524 Cys.

PLAN

DESIGNED BY	W. T. NEWLIN, JR.
CHECKED BY	W. T. NEWLIN, JR.
DATE	11/6/68
SCALE	AS SHOWN
PROJECT NO.	ST-F-85(28)
SHEET NO.	16
TOTAL SHEETS	

PROFILE

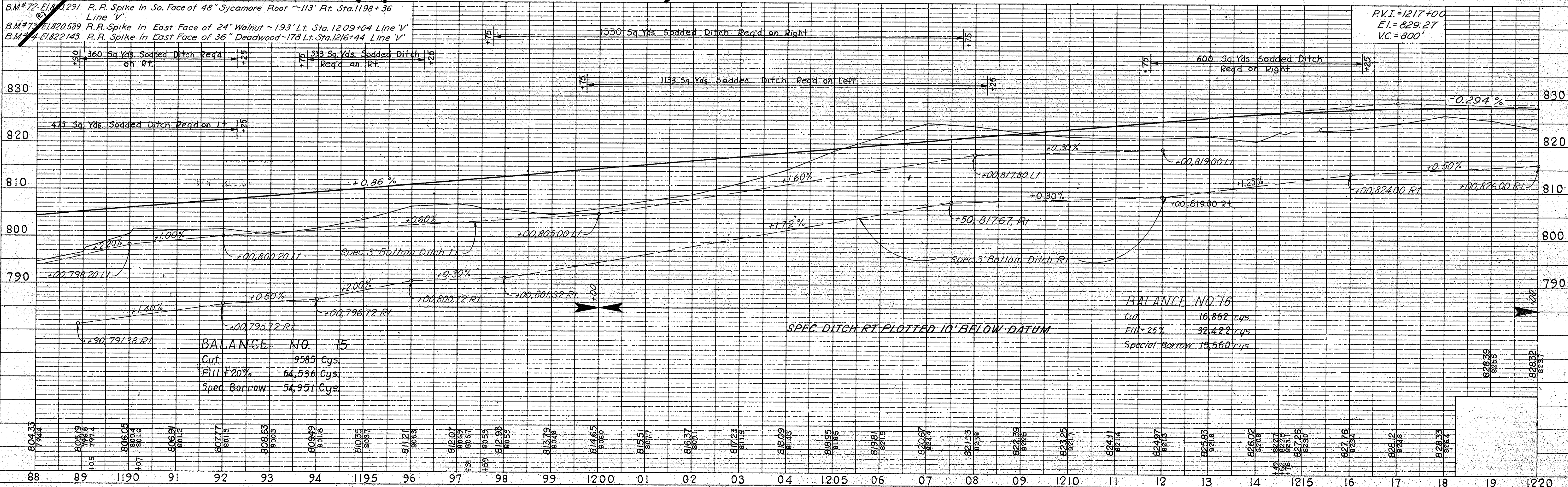
DESIGNED BY	W. T. NEWLIN, JR.
CHECKED BY	W. T. NEWLIN, JR.
DATE	11/6/68
SCALE	AS SHOWN
PROJECT NO.	ST-F-85(28)
SHEET NO.	16
TOTAL SHEETS	



FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	17	

PLAN
 SURVEYED BY: CHAS. W. COLE & SON, INC.
 PLOTTED BY: CHAS. W. COLE & SON, INC.
 CHECKED BY: CHAS. W. COLE & SON, INC.
 No. 26-411

PROFILE
 SURVEYED BY: CHAS. W. COLE & SON, INC.
 PLOTTED BY: CHAS. W. COLE & SON, INC.
 CHECKED BY: CHAS. W. COLE & SON, INC.
 No. 26-411



ALL RIGHT-OF-WAY DESCRIBED FROM LINE 'V' EXCEPT AS SHOWN.
 ALL RIGHT-OF-WAY ON THIS SHEET TO BE AS SHOWN.
 LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED.

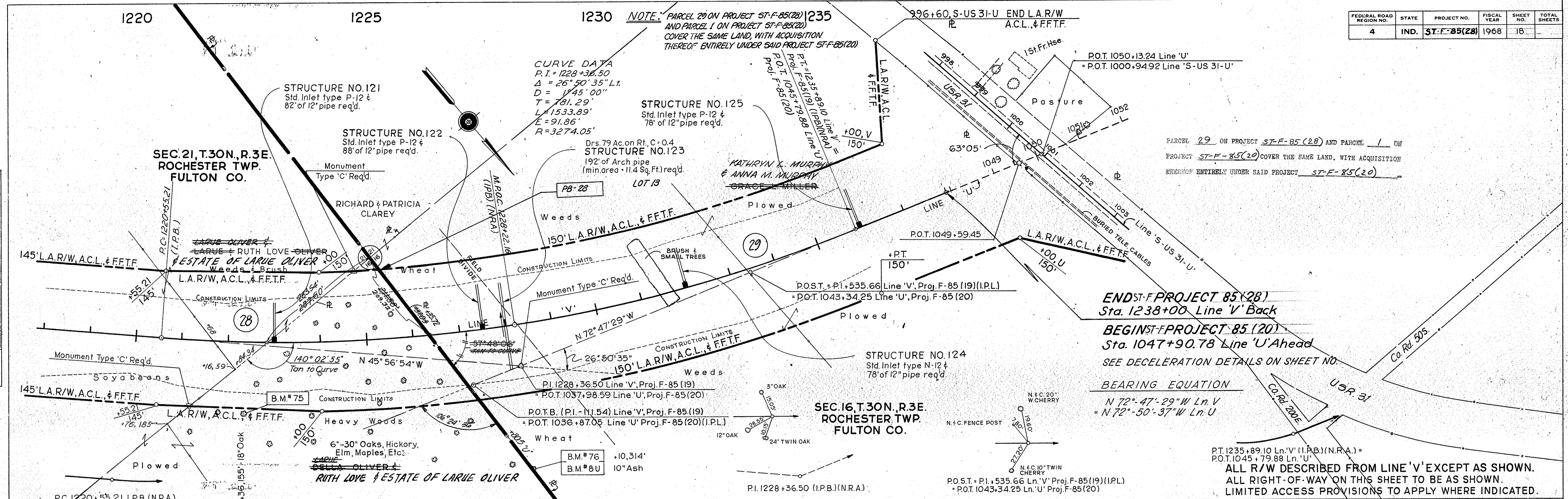
PROJECT NO.	LINE NO.	SHEET NO.	TOTAL SHEETS	FILE
ST-F-85(28)	V	17		

Handwritten signature and date: 12/1/68

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	18	

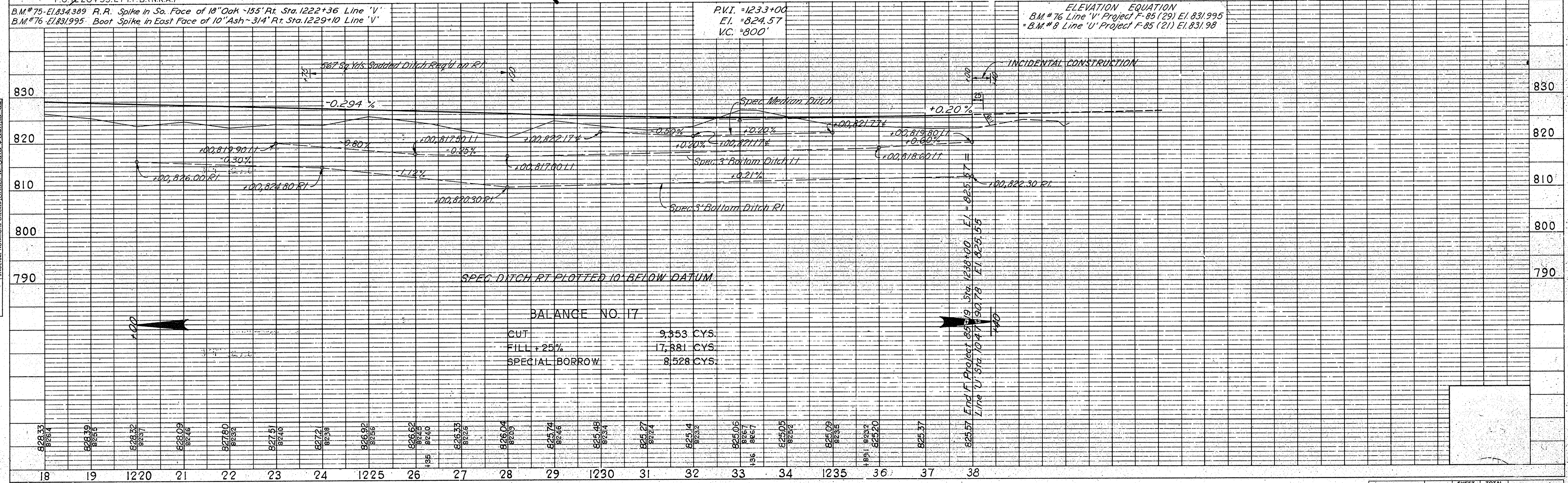
PLAN
 SURVEYED BY: CHAS. W. COLE & SON, INC.
 PHOTOGRAPHED BY: CHAS. W. COLE & SON, INC.
 NOTE BOOK NO. 924-11
 No. 924-11
 STRUCTURE NOTATIONS CHECKED BY: CHAS. W. COLE & SON, INC.

PROFILE
 SURVEYED BY: CHAS. W. COLE & SON, INC.
 PHOTOGRAPHED BY: CHAS. W. COLE & SON, INC.
 NOTE BOOK NO. 924-11
 No. 924-11
 STRUCTURE NOTATIONS CHECKED BY: CHAS. W. COLE & SON, INC.



END OF PROJECT 85(28)
 Sta. 1238+00 Line 'V' Back
BEGIN OF PROJECT 85(20)
 Sta. 1047+90.78 Line 'U' Ahead
 SEE DECELERATION DETAILS ON SHEET NO. _____
BEARING EQUATION
 N 72° 47' 29" W Ln. V
 = N 72° 50' 37" W Ln. U

PT. 1235+89.10 Ln. 'V' (I.P.B.) (N.R.A.) =
 P.O.T. 1045+79.88 Ln. 'U'
ALL R/W DESCRIBED FROM LINE 'V' EXCEPT AS SHOWN.
ALL RIGHT-OF-WAY ON THIS SHEET TO BE AS SHOWN.
LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED.



PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
ST-F-85(28)	V	18		

Handwritten signature and date: [Signature] 12/10/68

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)		19	5

NOTE: PARCEL 29 ON PROJECT ST-F-85(28) AND PARCEL 1 ON PROJECT ST-F-85(20) COVER THE SAME LAND WITH THE ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT ST-F-85(20).

PARCEL 29 ON PROJECT ST-F-85(28) AND PARCEL 1 ON PROJECT ST-F-85(20) COVER THE SAME LAND, WITH ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT ST-F-85(20).

ALL R/W ON THIS SHEET TO BE AS SHOWN. LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED. ALL R/W ON THIS SHEET TO BE MEASURED FROM LINE "U" EXCEPT WHERE INDICATED. POINTS OF ACCESS TO BE ALLOWED AS FOLLOWS:

LOCATION	TYPE/CLASS
STA. 1050+13.24 RT.<.	PUBLIC RD. APPROACH

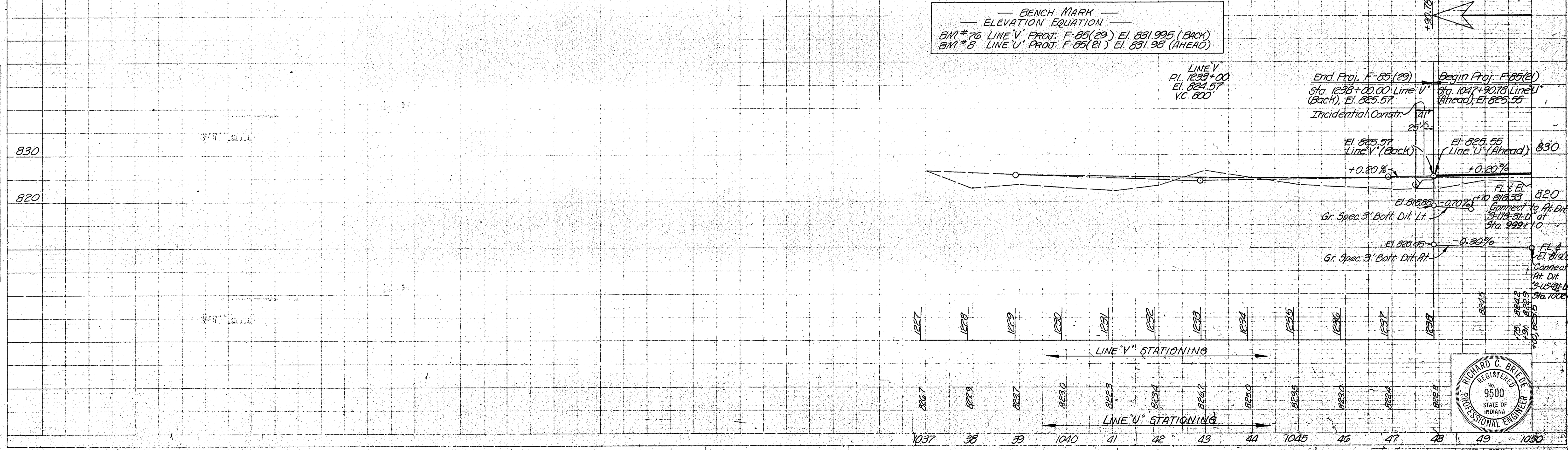
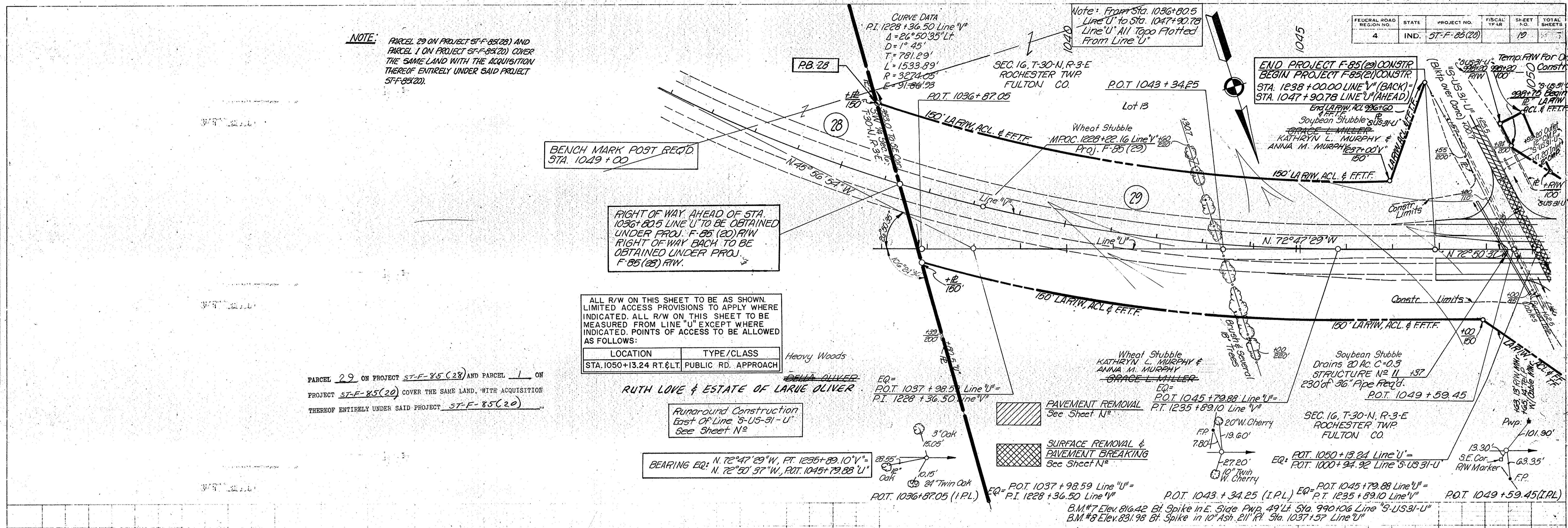
RUTH LOVE & ESTATE OF LARUE OLIVER

Runaround Construction East Of Line "S-US-31-U" See Sheet N^o

BEARING EQ. N. 72°47'29"W, PT. 1235+89.10" V"
N. 72°50'37"W, ROT. 1045+79.88" U"

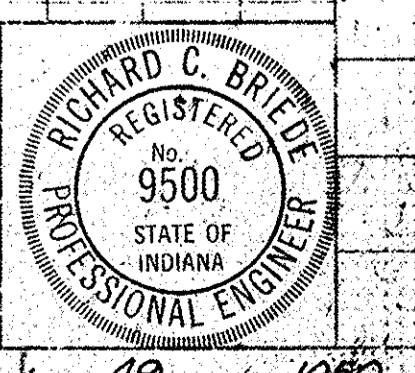
EQ. ROT. 1037+98.59 Line "U" =
PI. 1228+36.50 Line "V"
EQ. ROT. 1043+34.25 (I.P.L.) EQ. ROT. 1045+79.88 Line "U" =
PT. 1235+89.10 Line "V"
EQ. ROT. 1049+59.45 (I.P.L.) EQ. ROT. 1045+79.88 Line "U" =
PT. 1235+89.10 Line "V"

BENCH MARK
ELEVATION EQUATION
BM #76 LINE "V" PROJ. F-85(29) EL. 831.995 (BACK)
BM #8 LINE "U" PROJ. F-85(21) EL. 831.98 (AHEAD)



PLAN
SURVEYED BY C. Hillery, M. McLaughlin
NOTE BOOK GRADE CHECKED
NO. 20227

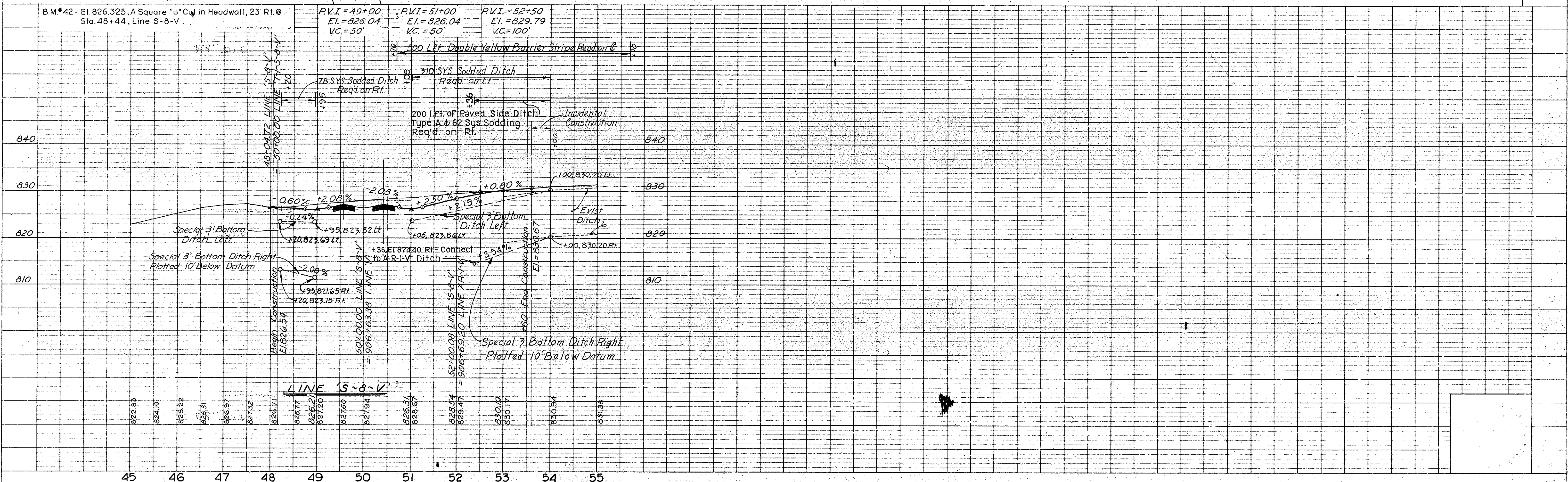
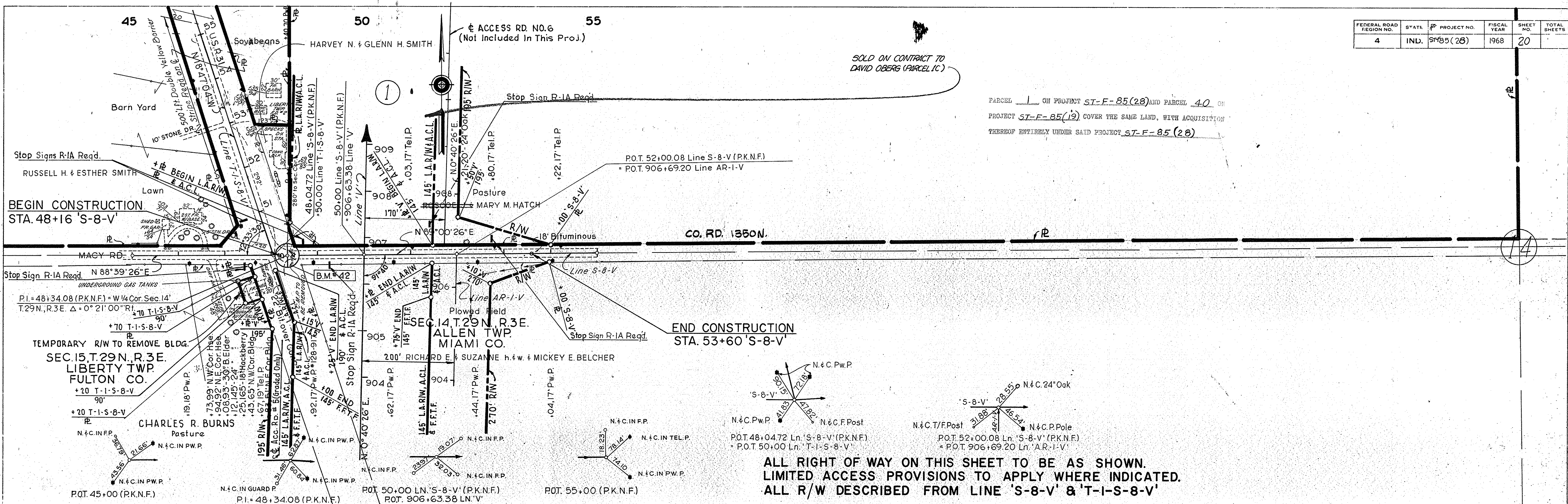
PROFILE
SURVEYED BY C. Hillery, M. McLaughlin
NOTE BOOK GRADE CHECKED
NO. 20227



FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	20	

PLAN
 SURVEYED BY: Cole & Son, Inc. 12-67
 NOTED BY: Cole & Son, Inc. 2-68
 CHECKED BY: Cole & Son, Inc. 3-68
 No. 26401 STRUCTURE NOTATIONS LINKED

PROFILE
 SURVEYED BY: Cole & Son, Inc. 12-67
 NOTED BY: Cole & Son, Inc. 2-68
 CHECKED BY: Cole & Son, Inc. 3-68
 No. 26401 STRUCTURE NOTATIONS LINKED



PARCEL 1 ON PROJECT ST-F-85(28) AND PARCEL 40 ON PROJECT ST-F-85(19) COVER THE SAME LAND, WITH ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT ST-F-85(28)

SOLD ON CONTRACT TO DAVID OBERG (PARCEL 1C)

ALL RIGHT OF WAY ON THIS SHEET TO BE AS SHOWN.
 LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED.
 ALL R/W DESCRIBED FROM LINE 'S-8-V' & 'T-1-S-8-V'

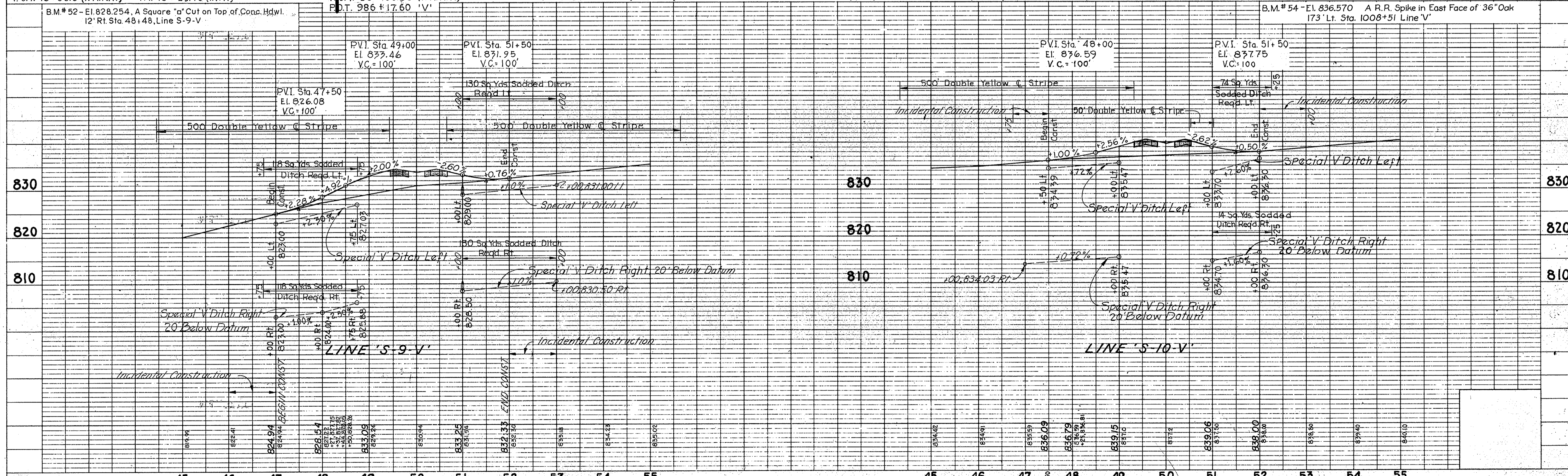
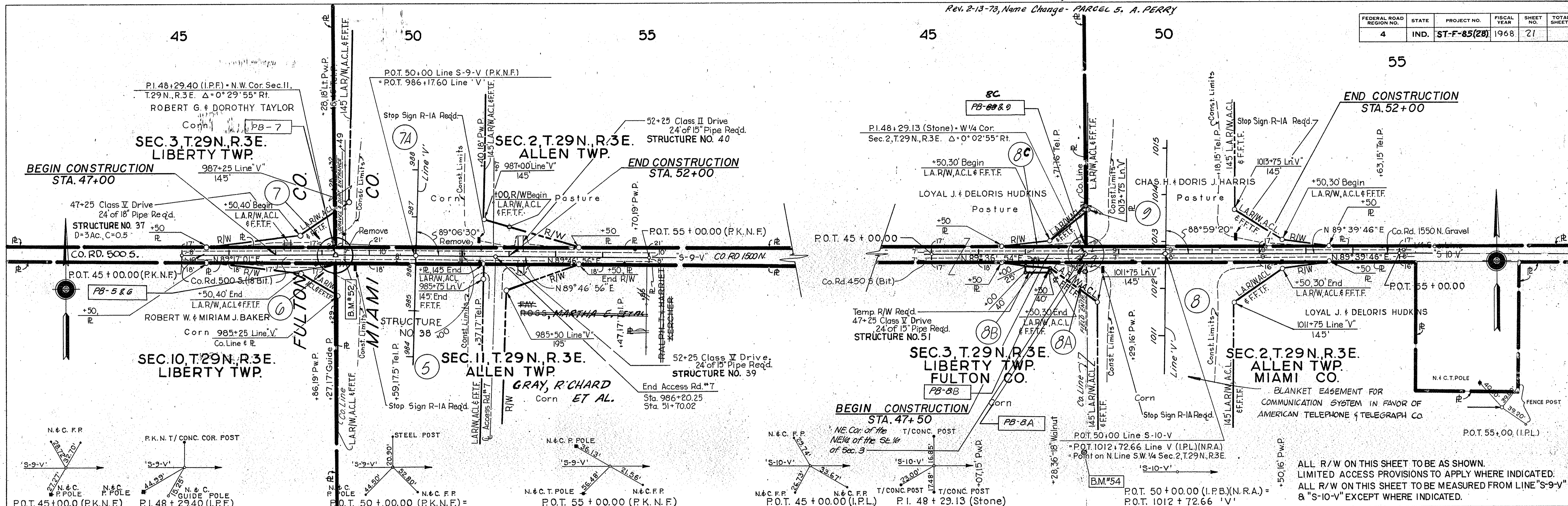
Rev. 6-19-72, Name Change - PARCEL 5, A. PERRY
 CHANGE NAME - PARCEL 5, A. J. NICKSON 11-27-72
 Rev. 2-13-73, Name Change - PARCEL 5, A. PERRY

Rev. 3-3-71, L.A.R.W. from Sta. 41+00 to about Lt. Line "S-10-V"
 W.T. Newlin, Jr. - BUTLER, FAIRMAN & BELLEF, INC.

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	21	

PLAN
 SURVEYED
 NOTE BOOK GRAYS CHECKED
 NO. 964101
 DATE 10/10/68
 SURVEYED
 NOTE BOOK GRAYS CHECKED
 NO. 964101
 DATE 10/10/68

PROFILE
 SURVEYED
 NOTE BOOK GRAYS CHECKED
 NO. 964101
 DATE 10/10/68
 SURVEYED
 NOTE BOOK GRAYS CHECKED
 NO. 964101
 DATE 10/10/68

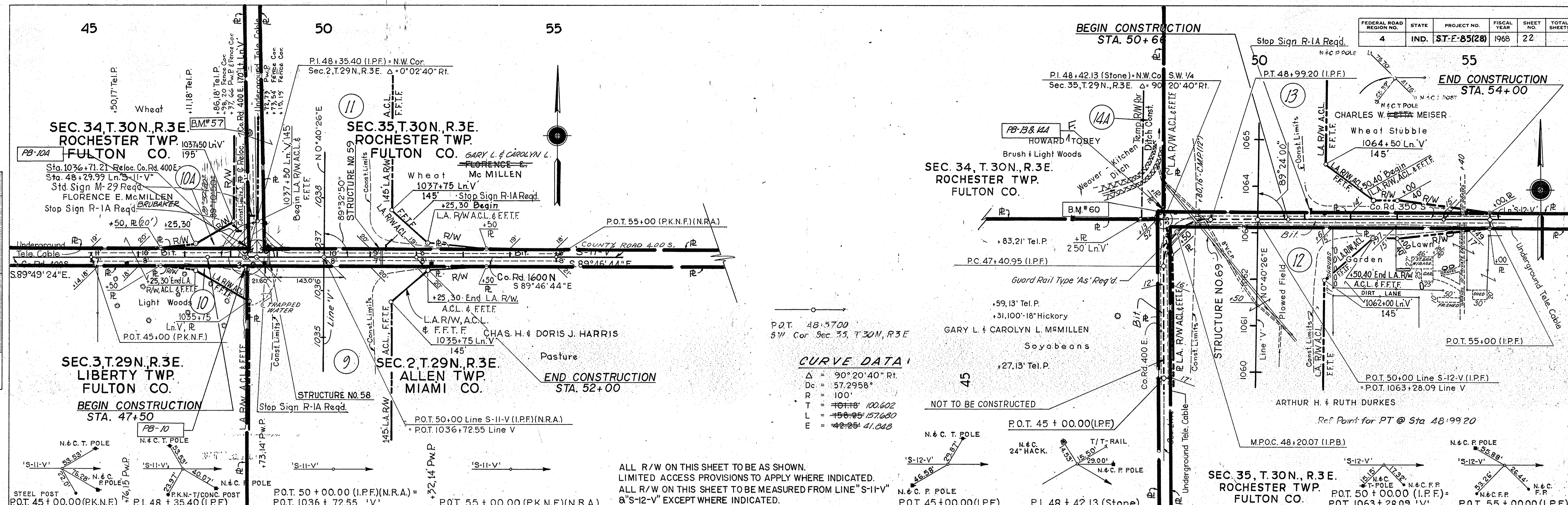


Handwritten signature and date: 12/10/68

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	22	

PLAN
 SURVEYED BY: CHAS. W. COLE & SON
 NOTED: 10/1/68
 CHECKED: 10/1/68
 NO. 2849-L

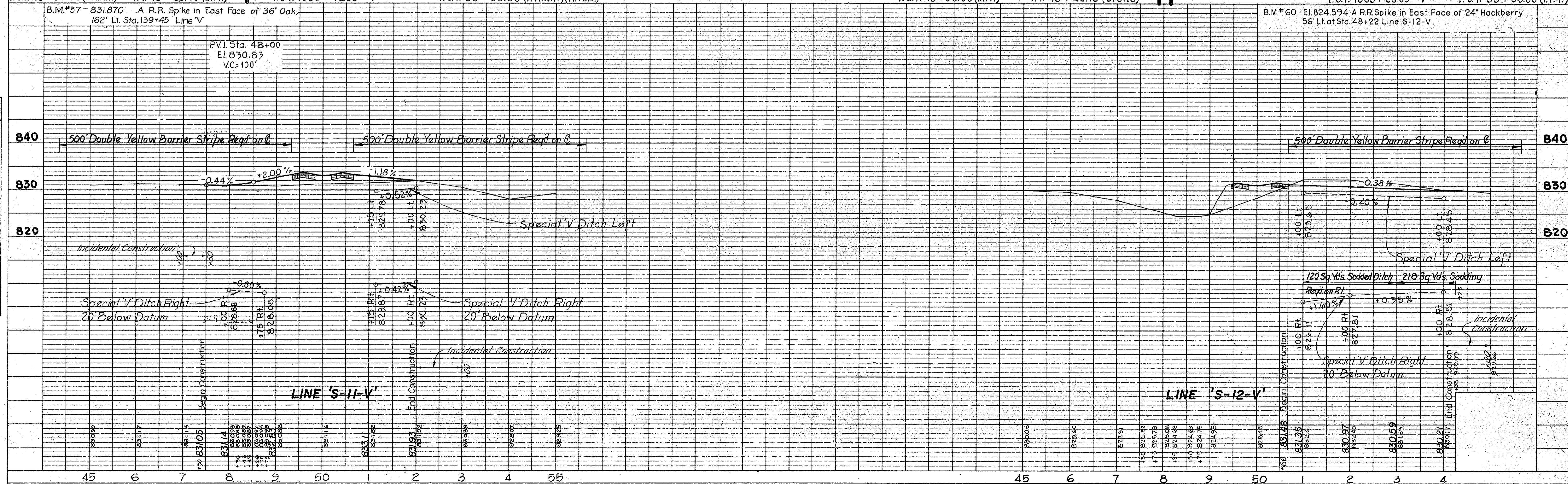
PROFILE
 SURVEYED BY: CHAS. W. COLE & SON
 NOTED: 10/1/68
 CHECKED: 10/1/68
 NO. 2849-L



CURVE DATA

Δ	=	90° 20' 40" Rt.
Dc	=	57.2958'
R	=	100'
T	=	101.18 100.602
L	=	158.25 157.680
E	=	42.25 41.048

ALL R/W ON THIS SHEET TO BE AS SHOWN.
 LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED.
 ALL R/W ON THIS SHEET TO BE MEASURED FROM LINE "S-11-V"
 & "S-12-V" EXCEPT WHERE INDICATED.

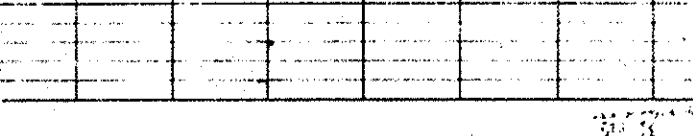
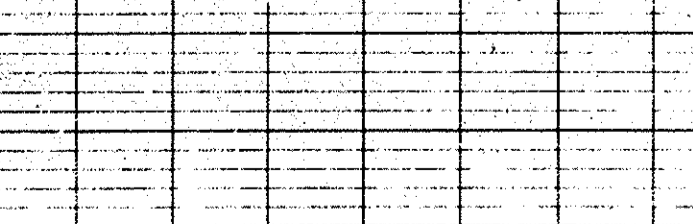
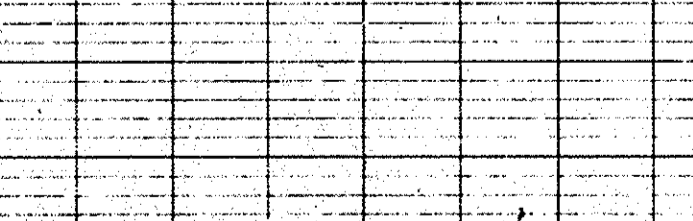
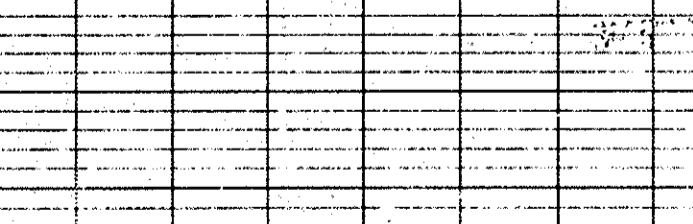
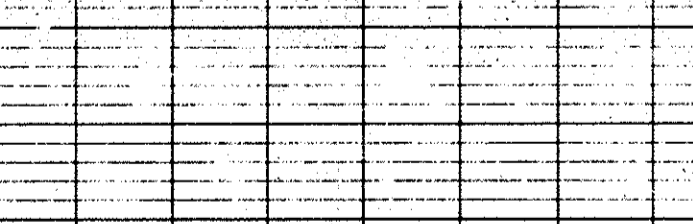
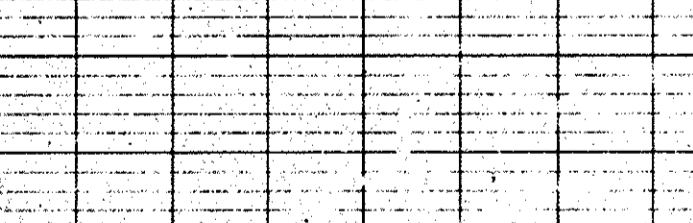
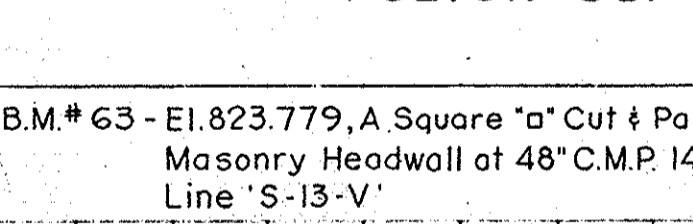
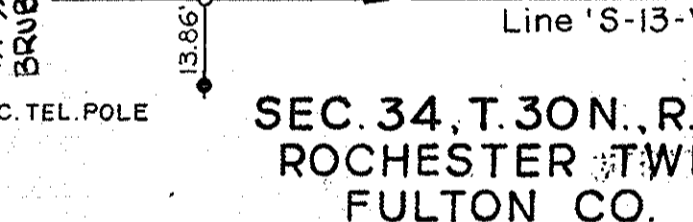
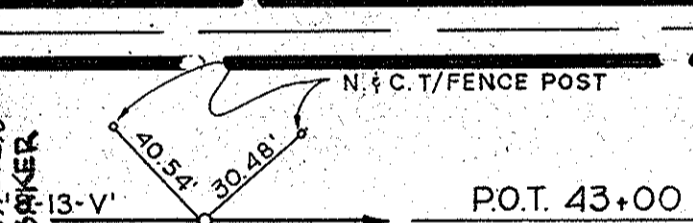
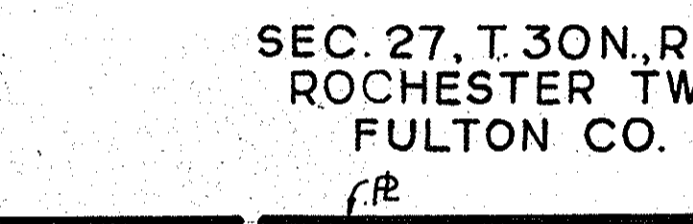
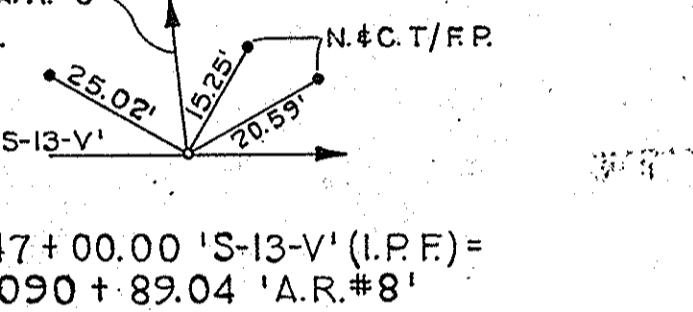
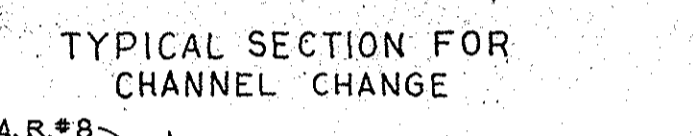
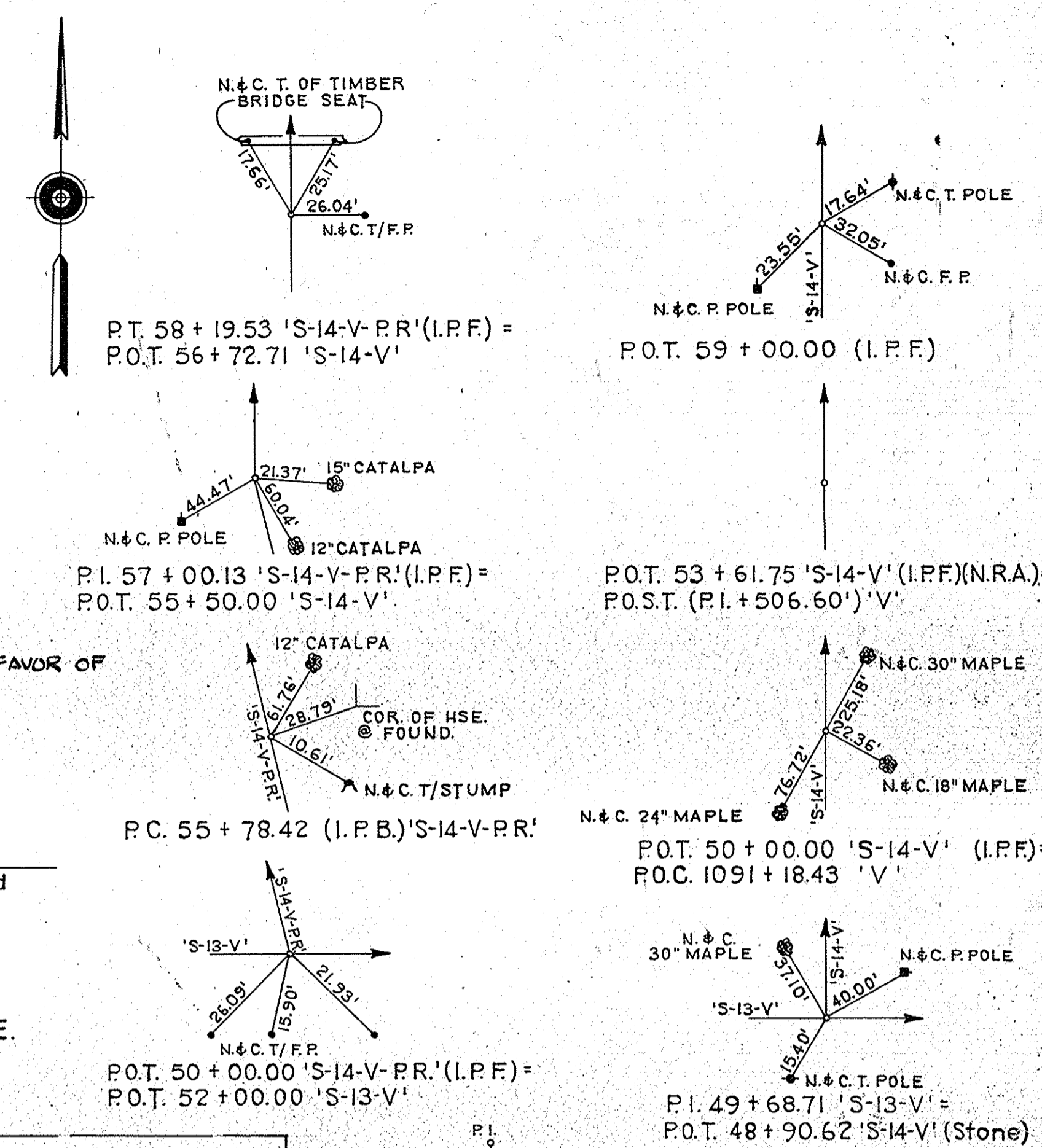
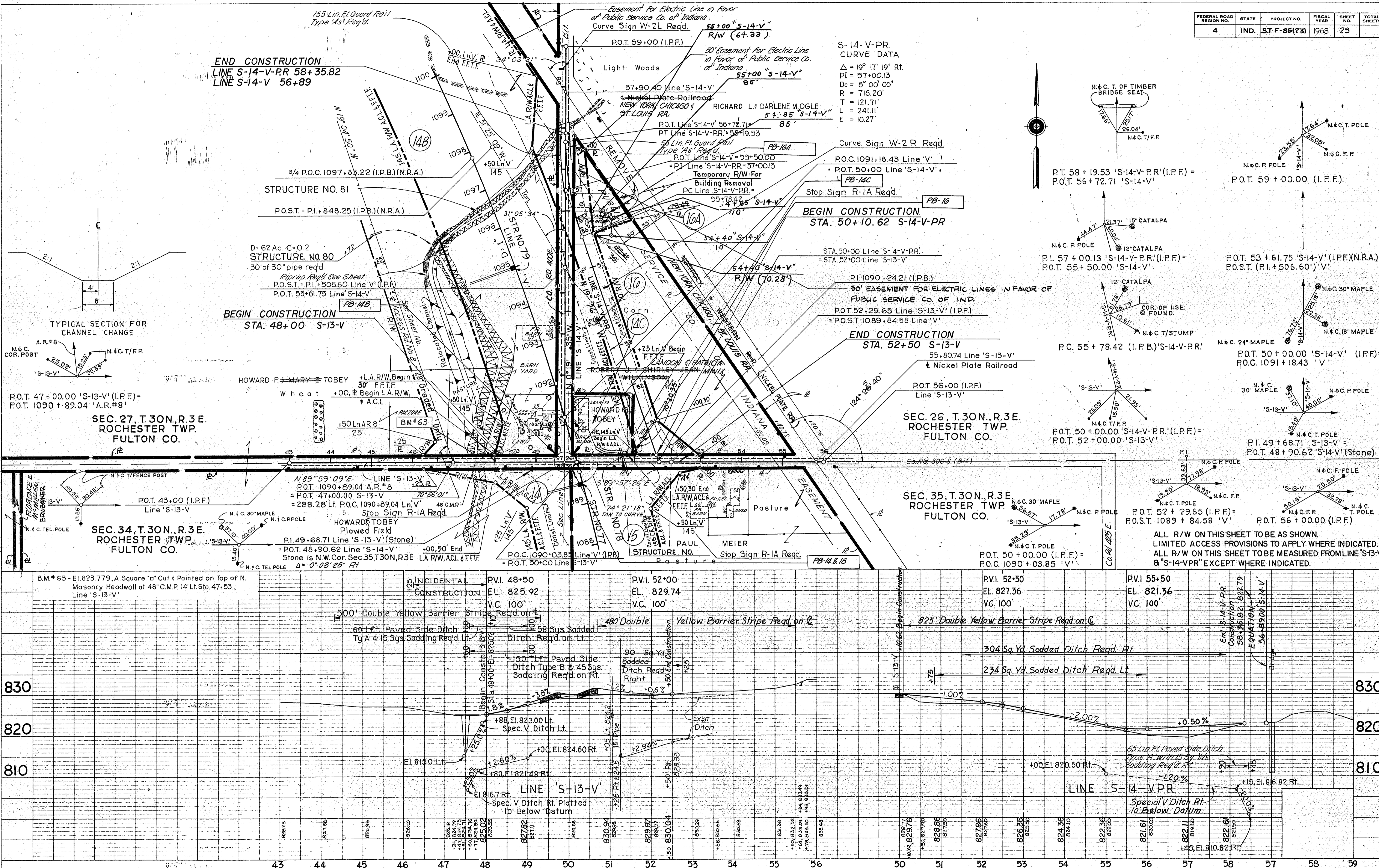


PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
ST-F-85(28)	S-11-V	22		

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	23	

PLAN
SURVEYED BY: CHAS. W. COLE & SON, INC.
NOTED BOOK: ALG. CHECKED: CHAS. W. COLE & SON, INC.
NO. 96421, 1/10/68

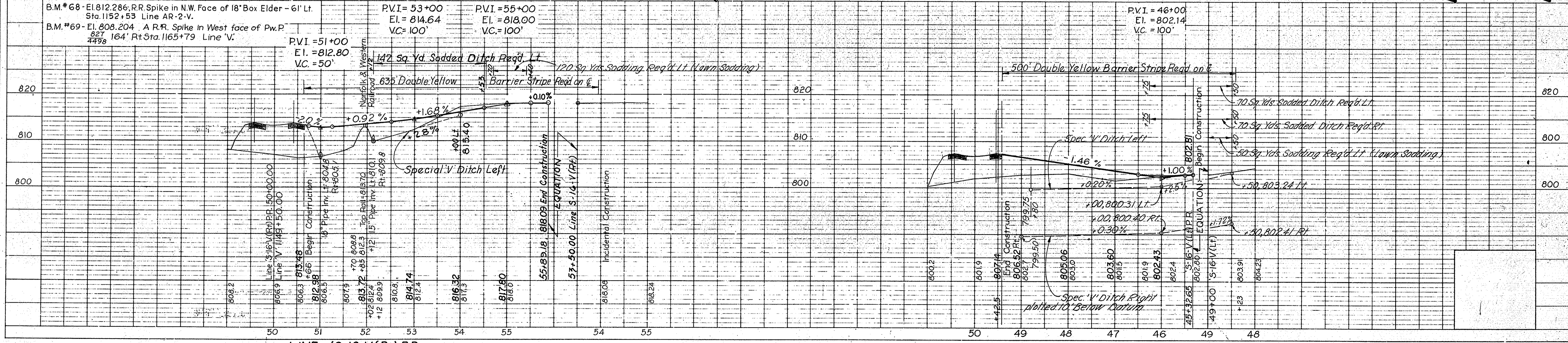
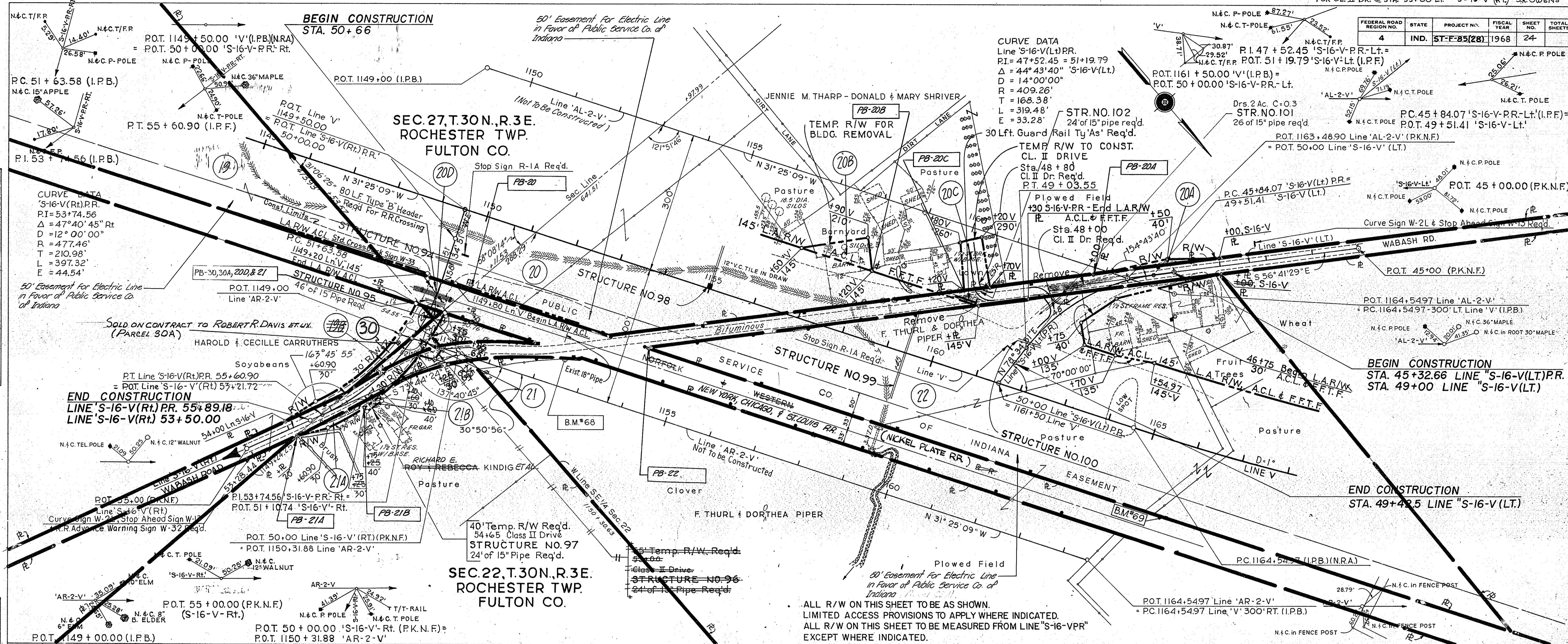
PROFILE
SURVEYED BY: CHAS. W. COLE & SON, INC.
NOTED BOOK: GRADE CHECKED: CHAS. W. COLE & SON, INC.
NO. 96421, 1/10/68



FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	24	

PLAN
 SURVEYED BY: CHAS. W. COLE & SON, INC.
 DATE: 12/10/68
 NOTE BOOK: 10-10-68
 CHECKED BY: CHAS. W. COLE & SON, INC.
 NO. 9642L

PROFILE
 SURVEYED BY: CHAS. W. COLE & SON, INC.
 DATE: 12/10/68
 NOTE BOOK: 10-10-68
 CHECKED BY: CHAS. W. COLE & SON, INC.
 NO. 9642L



ALL R/W ON THIS SHEET TO BE AS SHOWN.
 LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED.
 ALL R/W ON THIS SHEET TO BE MEASURED FROM LINE "S-16-VPR"
 EXCEPT WHERE INDICATED.

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
ST-F-85(28)		24		

Handwritten signature and date: 12/10/68

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	25	

REV. DESIGN POINT RE. AT Sta. 44+49 ON Q 5-17-V-PR#1
12-7-70 J. HASA
60

CURVE DATA

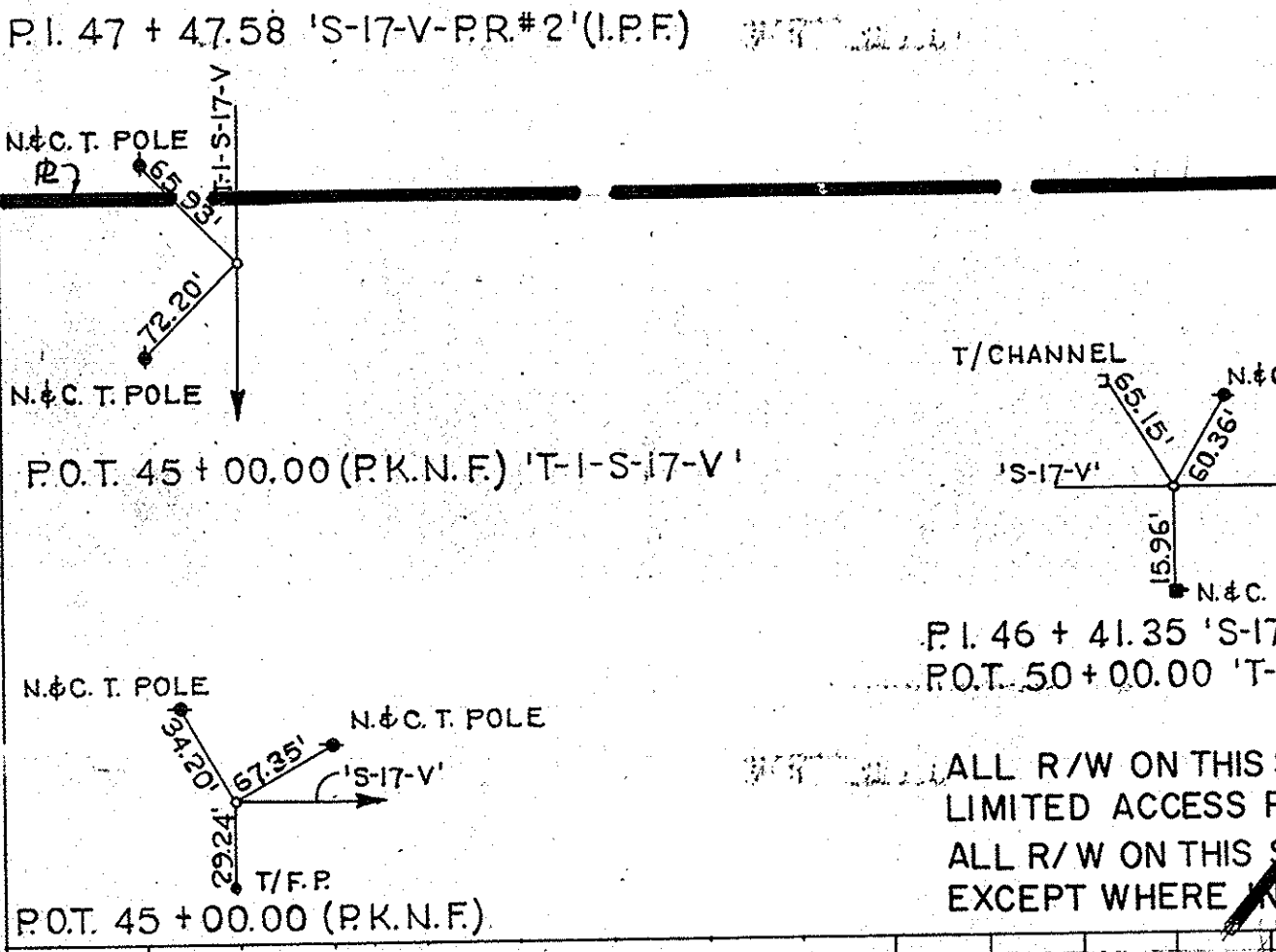
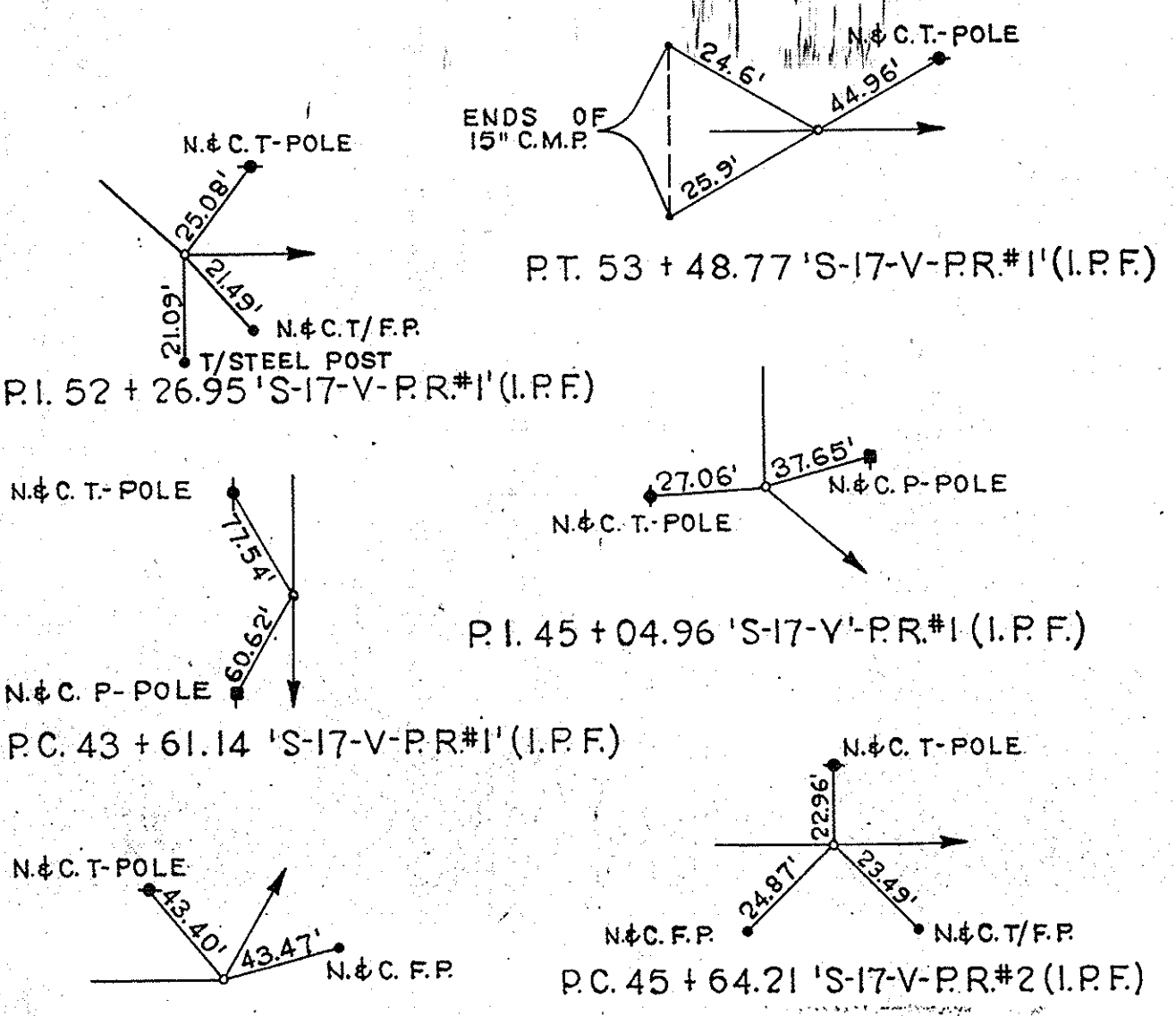
Line 'S-17-V-PR#1'
PI=45+04.91 = 46+97.63 'T-I-S-17-V'
Δ = 65° 52' 00" Lt.
D = 20° 00' 00"
R = 286.48'
T = 185.57'
L = 329.34'
E = 54.85'

Line 'S-17-V-PR#1'
PI=52+26.95 = 53+00.32 'S-17-V'
Δ = 24° 45' 20" Lt.
D = 10° 00' 00"
R = 572.96'
T = 125.74'
L = 247.56'
E = 13.64'

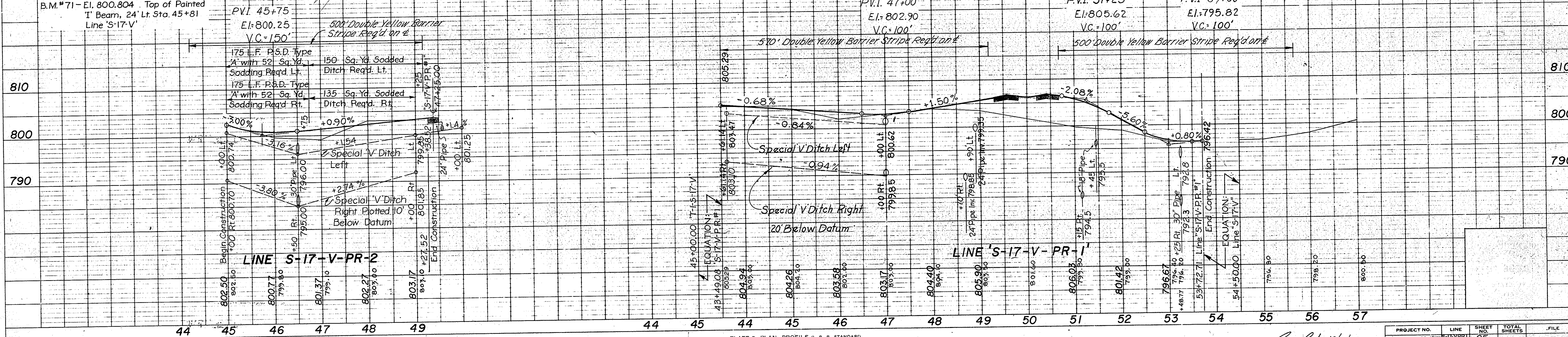
Line 'S-17-V-PR#2'
PI=47+47.58
Δ = 65° 14' 40" Lt.
D = 20° 00' 00"
R = 286.48'
T = 183.37'
L = 326.22'
E = 53.66'

SHRIVER, DONALD G. ET AL.

PLAN
SERVICED BY CHAS. W. COLE & SON, INC.
NOTE BOOK CHAS. W. COLE & SON, INC. No. 9641T
PT. OF WAY CHECKED



PROFILE
SERVICED BY CHAS. W. COLE & SON, INC.
NOTE BOOK CHAS. W. COLE & SON, INC. No. 9642L
STRUCTURE NOTATIONS CHECKED



PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
ST-F-85(28)	S-17-V-PR-1	25		

Handwritten signature/initials

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)		26	

NOTE: PARCEL 29 ON PROJECT ST-F-85(28) AND PARCEL 1 ON PROJECT ST-F-85(20) COVER THE SAME LAND WITH ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT ST-F-85(20)

PLAN
S. HILLERY
REGISTERED PROFESSIONAL ENGINEER
NO. 12103
IND. STATE
96027

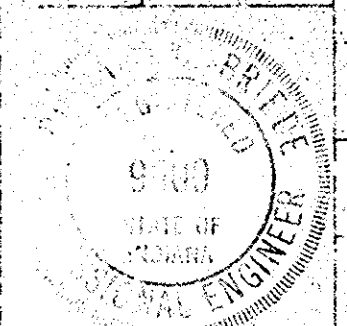
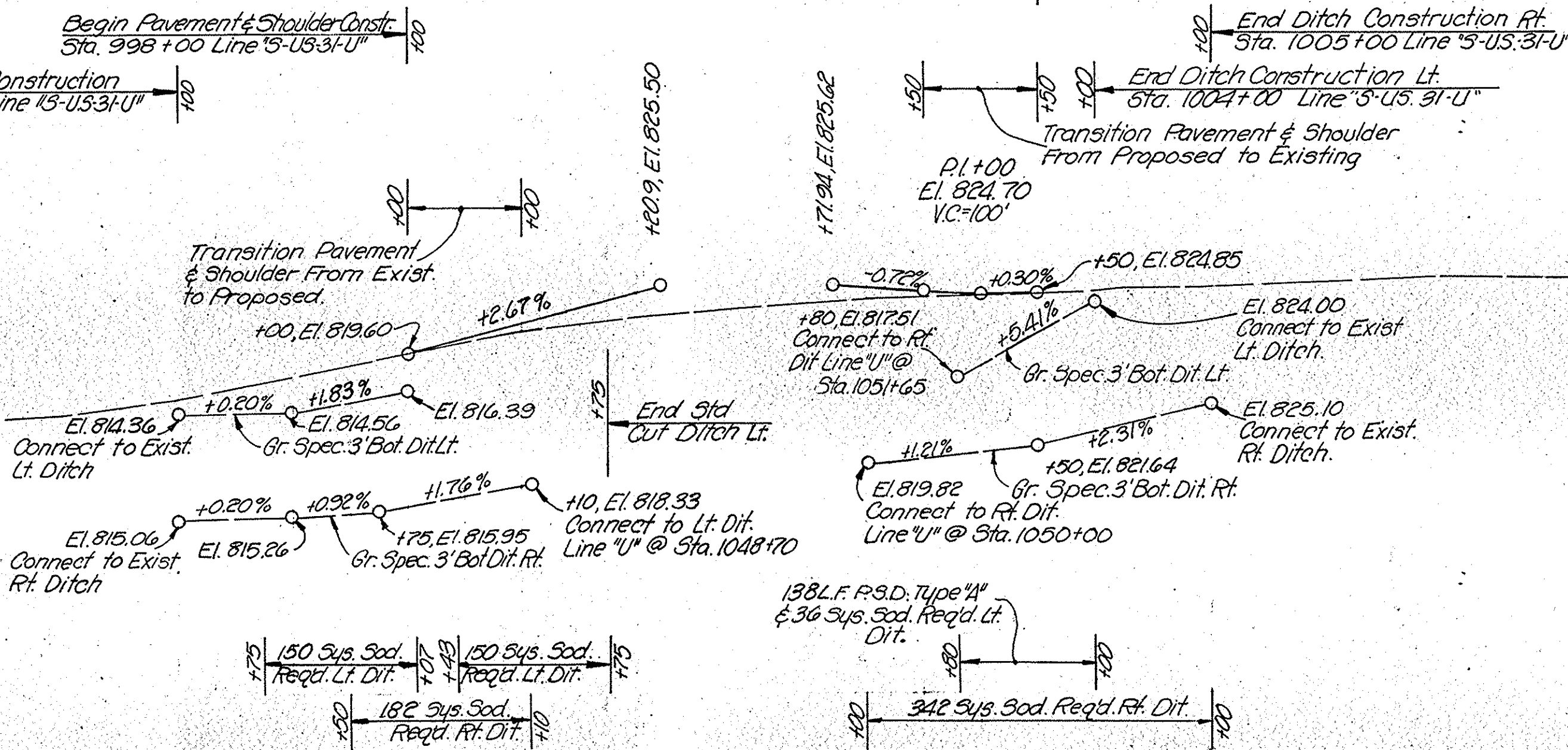
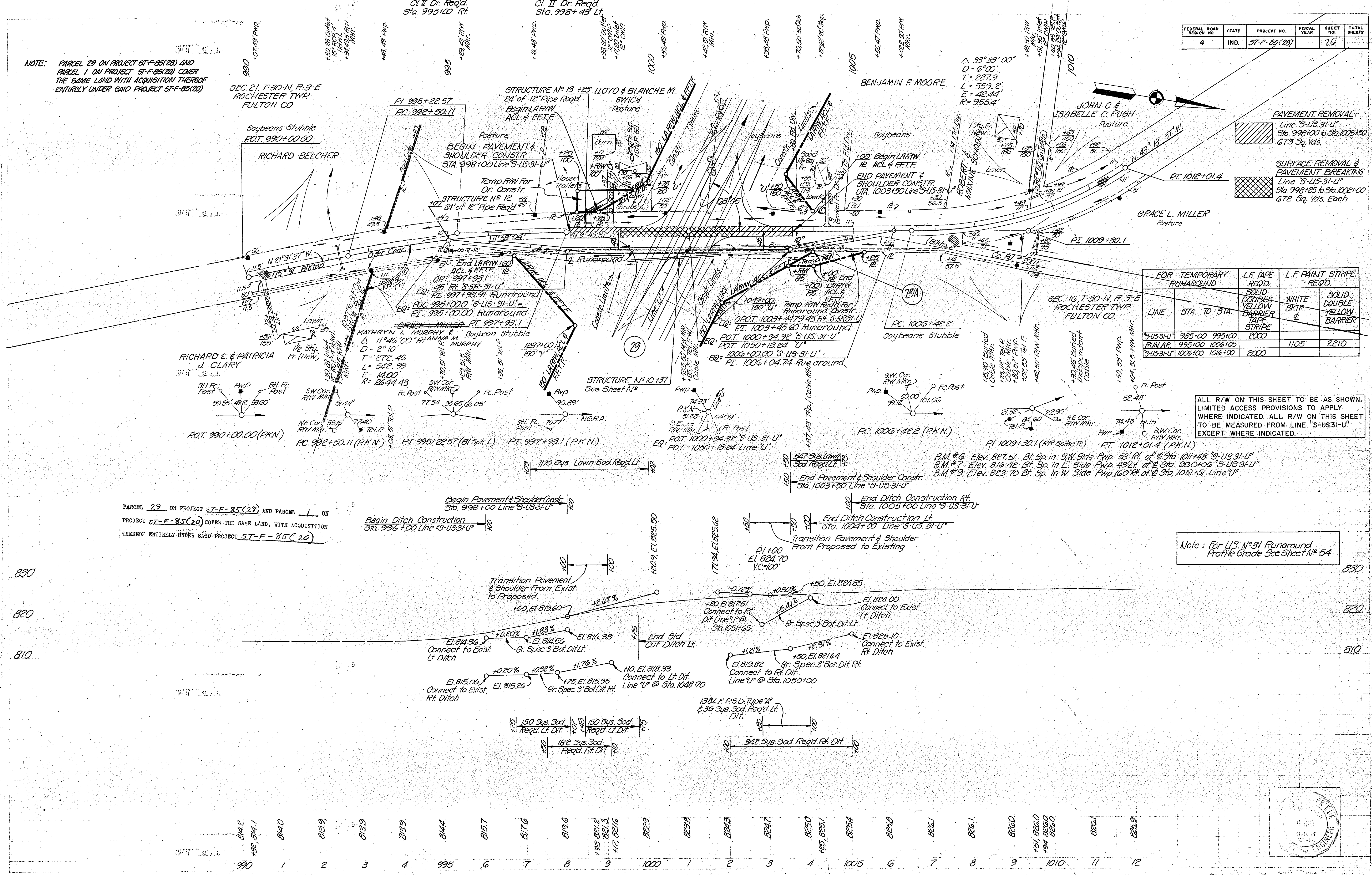
PROFILE
S. HILLERY
REGISTERED PROFESSIONAL ENGINEER
NO. 12103
IND. STATE
96027

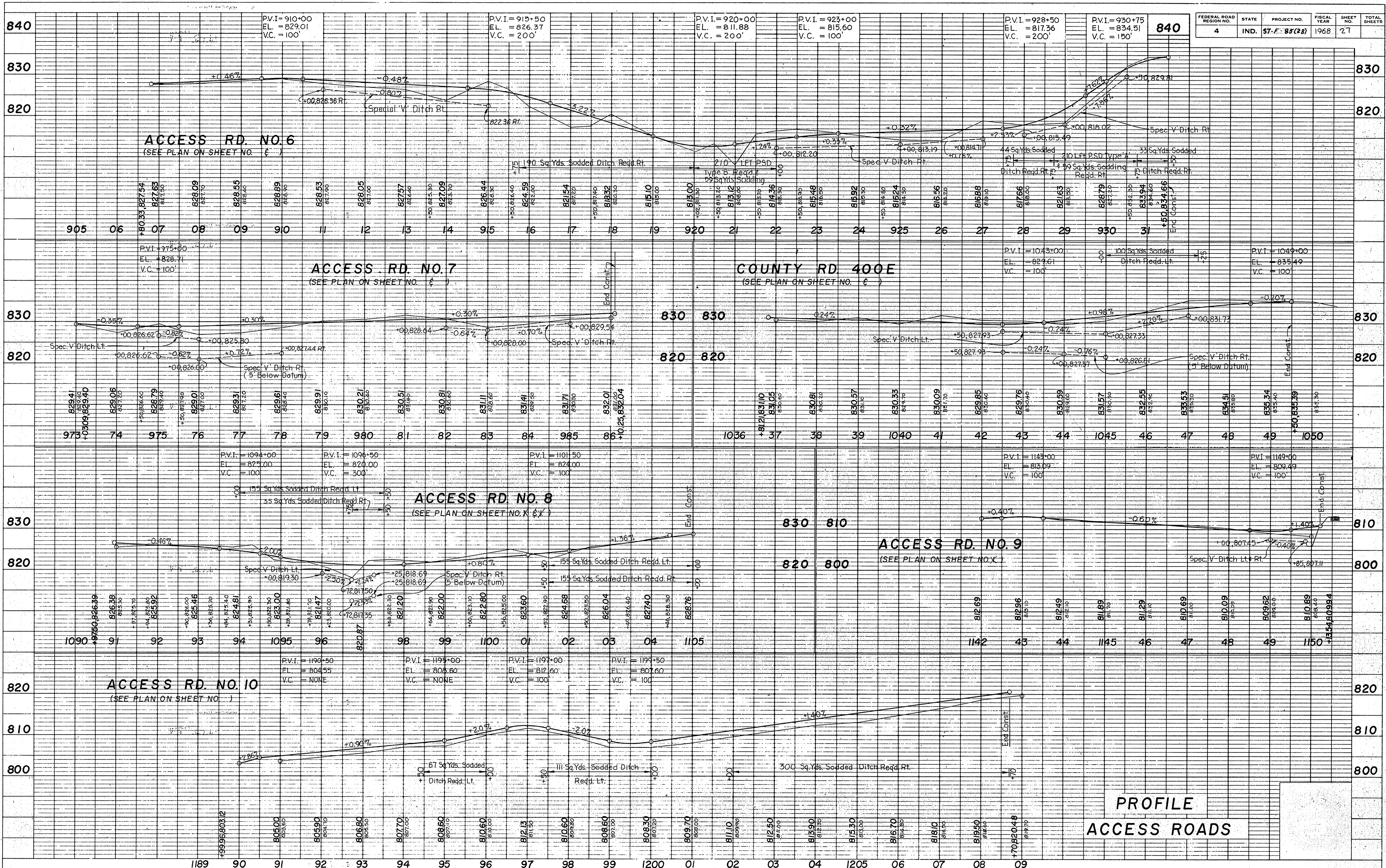
PARCEL 29 ON PROJECT ST-F-85(28) AND PARCEL 1 ON PROJECT ST-F-85(20) COVER THE SAME LAND, WITH ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT ST-F-85(20)

ALL R/W ON THIS SHEET TO BE AS SHOWN. LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED. ALL R/W ON THIS SHEET TO BE MEASURED FROM LINE "S-US31-U" EXCEPT WHERE INDICATED.

Note: For LIS, No. 31 Runaround Profile Grade See Sheet No. 54

FOR TEMPORARY RUNAROUND	L.F. TAPE REQD.	L.F. PAINT STRIPE REQD.
LINE STA. TO STA.	SOLID DOUBLE YELLOW BARRIER TAPE STRIPE	WHITE SKIPP & SOLID DOUBLE YELLOW BARRIER
S-US31-U 985+00 995+00	2000	1105
RUNAR. 995+00 1006+05		2210
S-US31-U 1006+00 1016+00	2000	





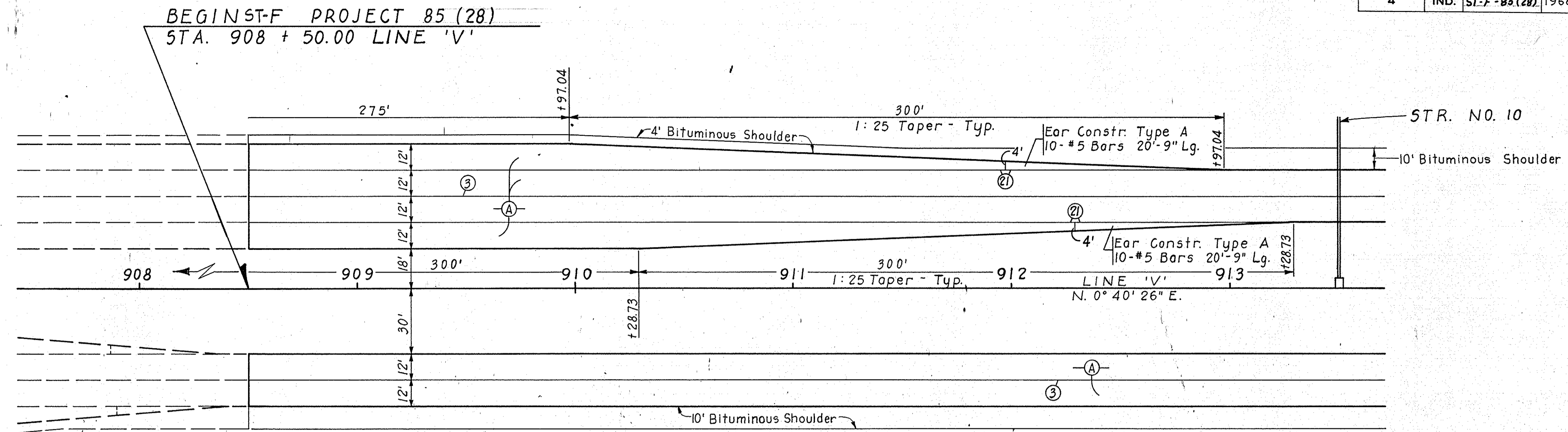
DATE _____ BY _____
 SURVEYED _____
 CHECKED _____
 NOTE BOOK _____
 B. M. NOTED _____
 STRUCTURE NOTATIONS CH'VD _____

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	57-F-83(28)	1968	27	

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
57-F-83(28)	V	27		

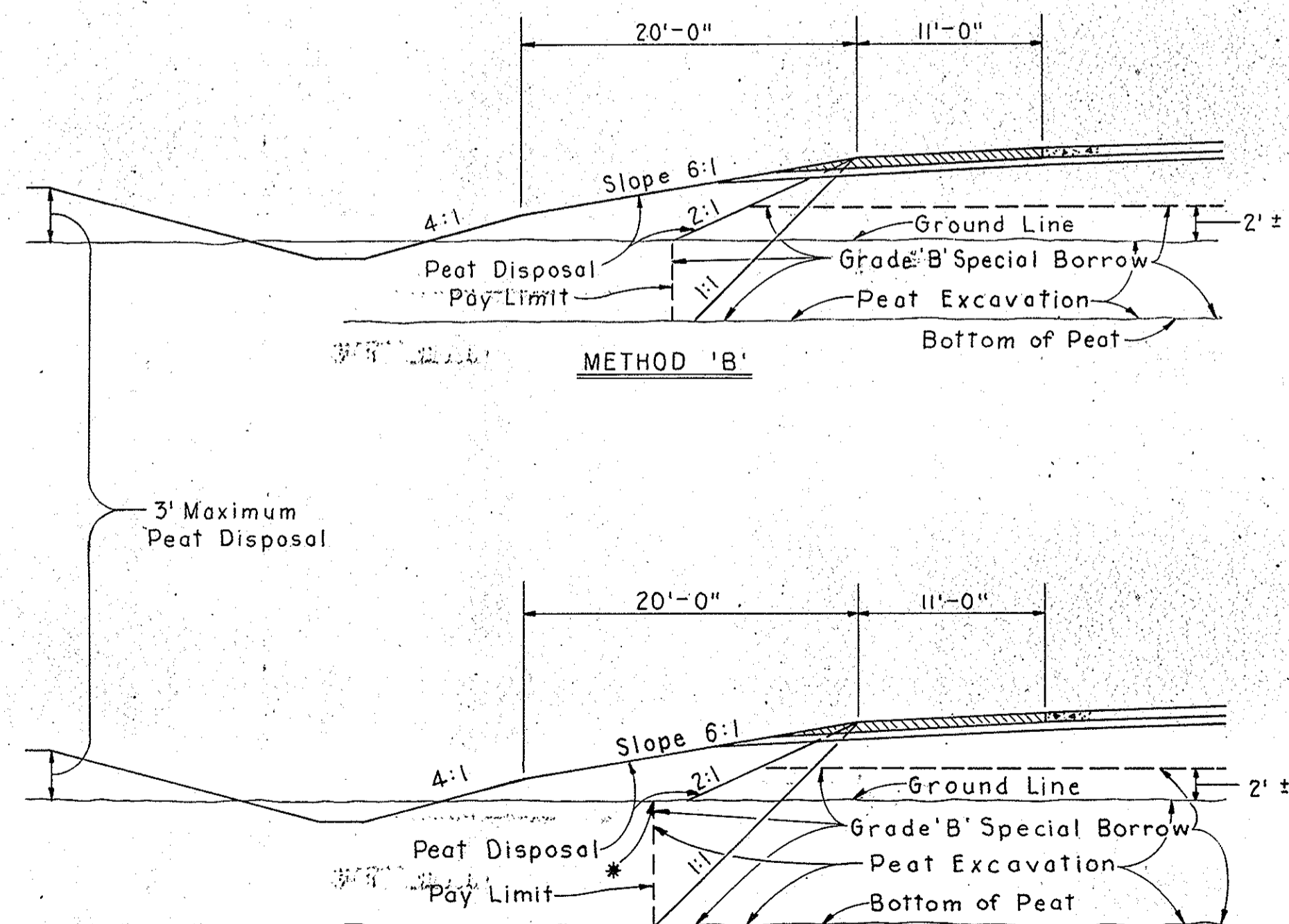
Wells 12/10/68

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	28	



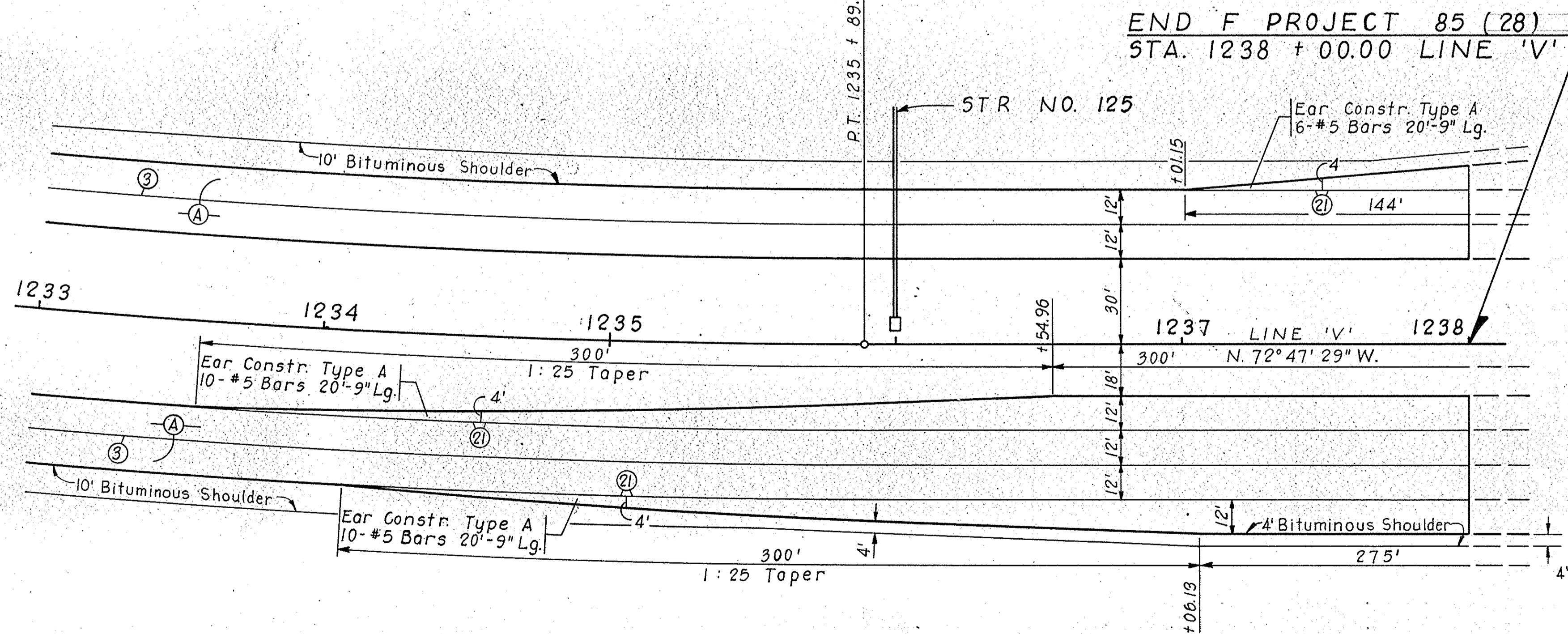
NOTE
For Legend See Sheet No.

Vertical line for Peat Excavation (Pay Limit) to be established by the 1:1 slope as shown in Method 'A' or by the 2:1 fill slope as shown in Method 'B'. The method selected should provide for the 2:1 fill slope to always be fully supported by the Grade 'B' Special Borrow.



* When This Point Is Within A 2:1 Slope From Shoulder, Use Method 'B'.

PEAT EXCAVATION, BACKFILL & DISPOSAL METHODS



DECELERATION TAPERS

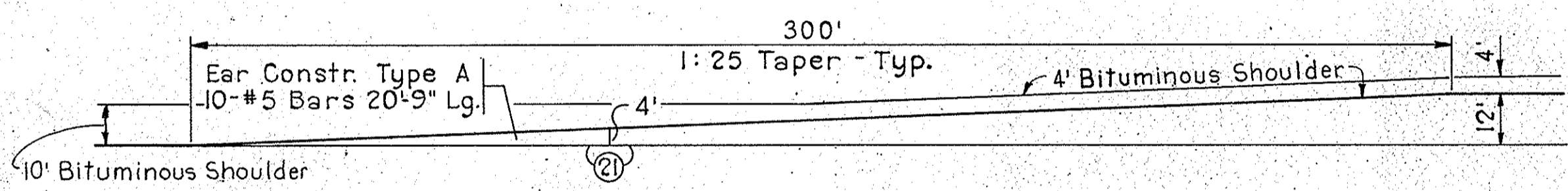
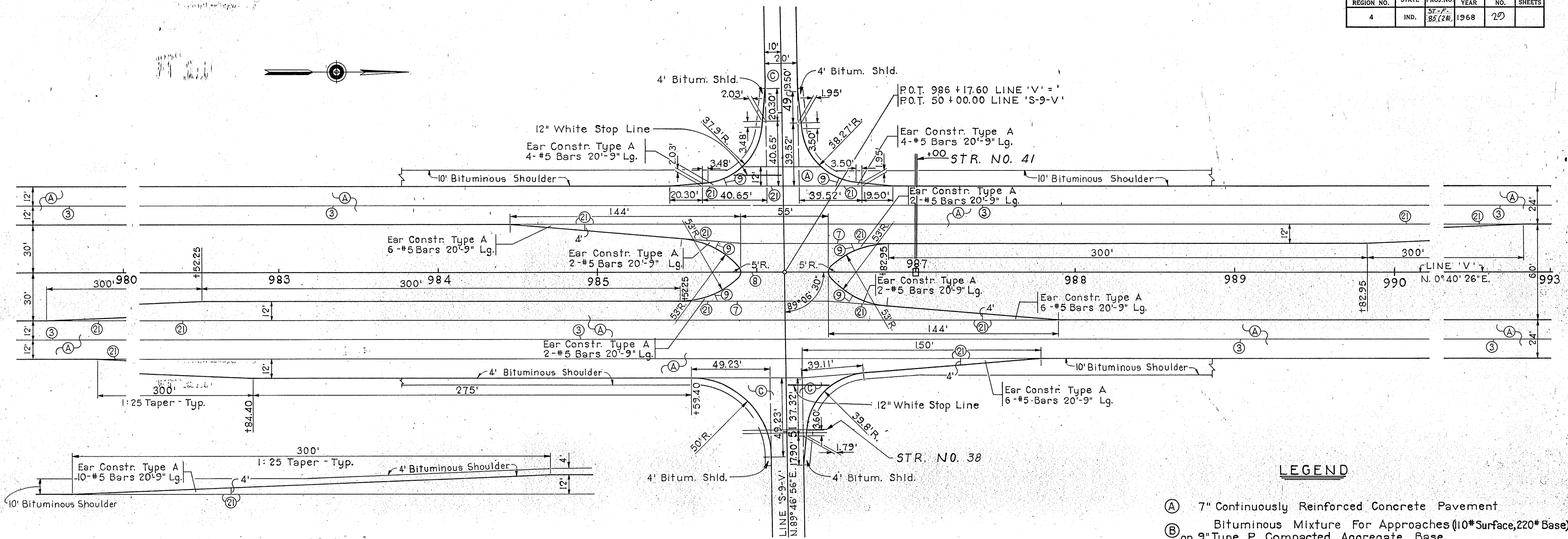
DETAILS

SCALE: 1" = 30'

Handwritten signature and date: 12/10/68

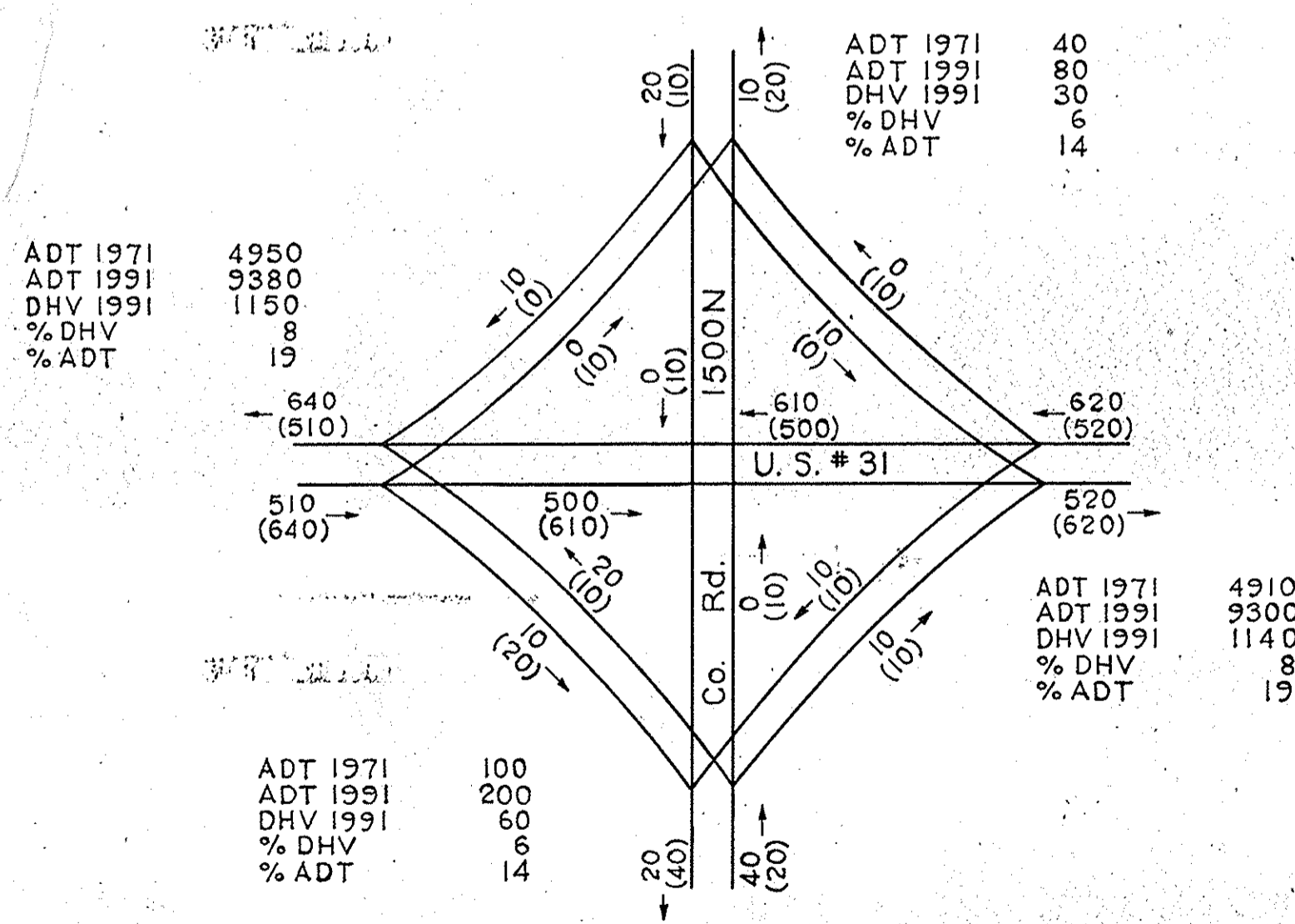
PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
ST-F-85(28)	V	28		

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	57-85-28	1968	20	



LEGEND

- (A) 7" Continuously Reinforced Concrete Pavement
- (B) Bituminous Mixture For Approaches (10# Surface, 220# Base) on 9" Type P Compacted Aggregate Base.
- (C) Bituminous Surface, 90# and Base, 240# on 9" Type P Compacted Aggregate Base.
- (D) 135# Bituminous Surface on 8" Type P Compacted Aggregate Base.
- (E) 8" Type P Compacted Aggregate Base.
- (3) Longitudinal Joint
- (7) Keyway Joint
- (8) 1" Preformed Expansion Joint with Load Transfer
- (9) 1" Preformed Joint Filler
- (2) Keyway Construction Joint

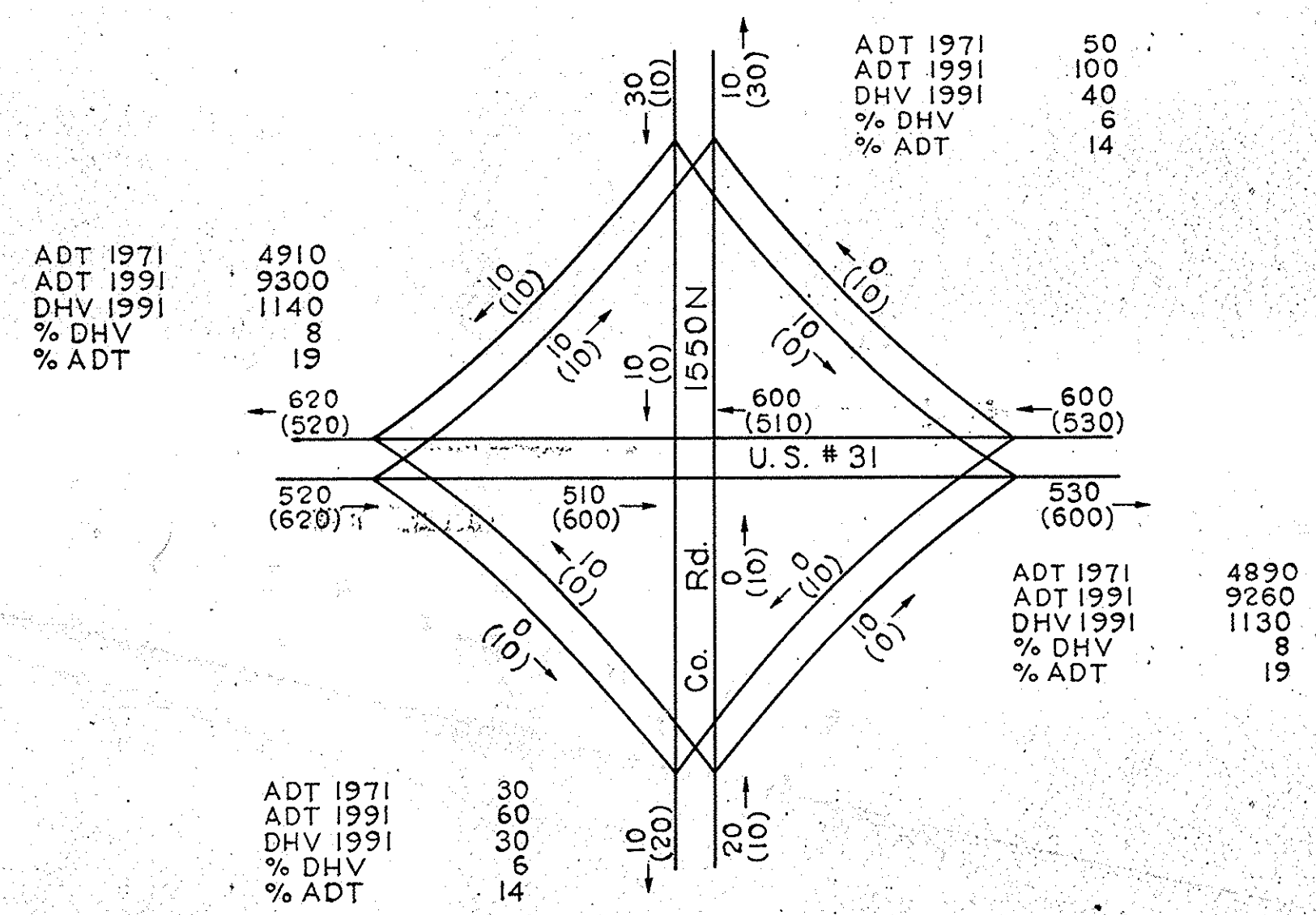
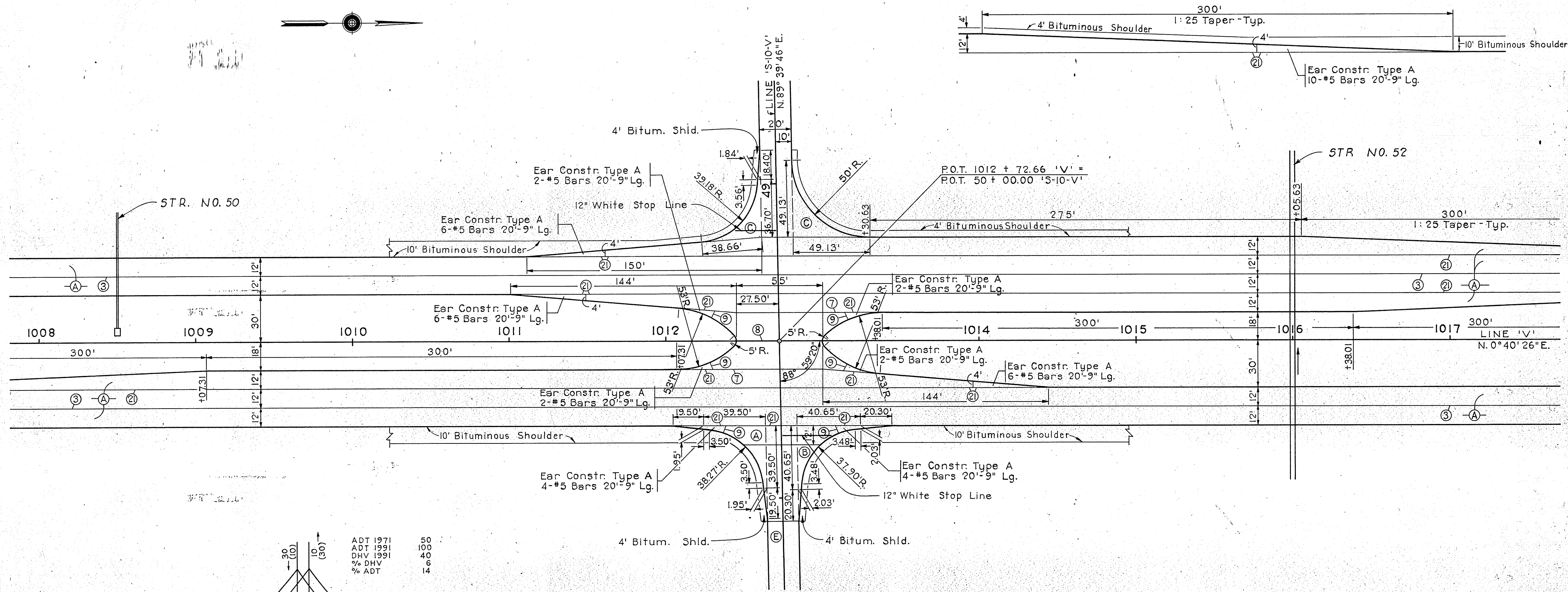


DESIGN HOURLY VOLUME ESTIMATED FOR 1991 AT COUNTY RD. 1500N.
DIRECTIONAL DHV
20 A.M. FLOW
(40) P.M. FLOW

LINE 'V' & LINE 'S-9-V'
(Co. Rd. 1500N)

DETAILS

SCALE: 1" = 30'

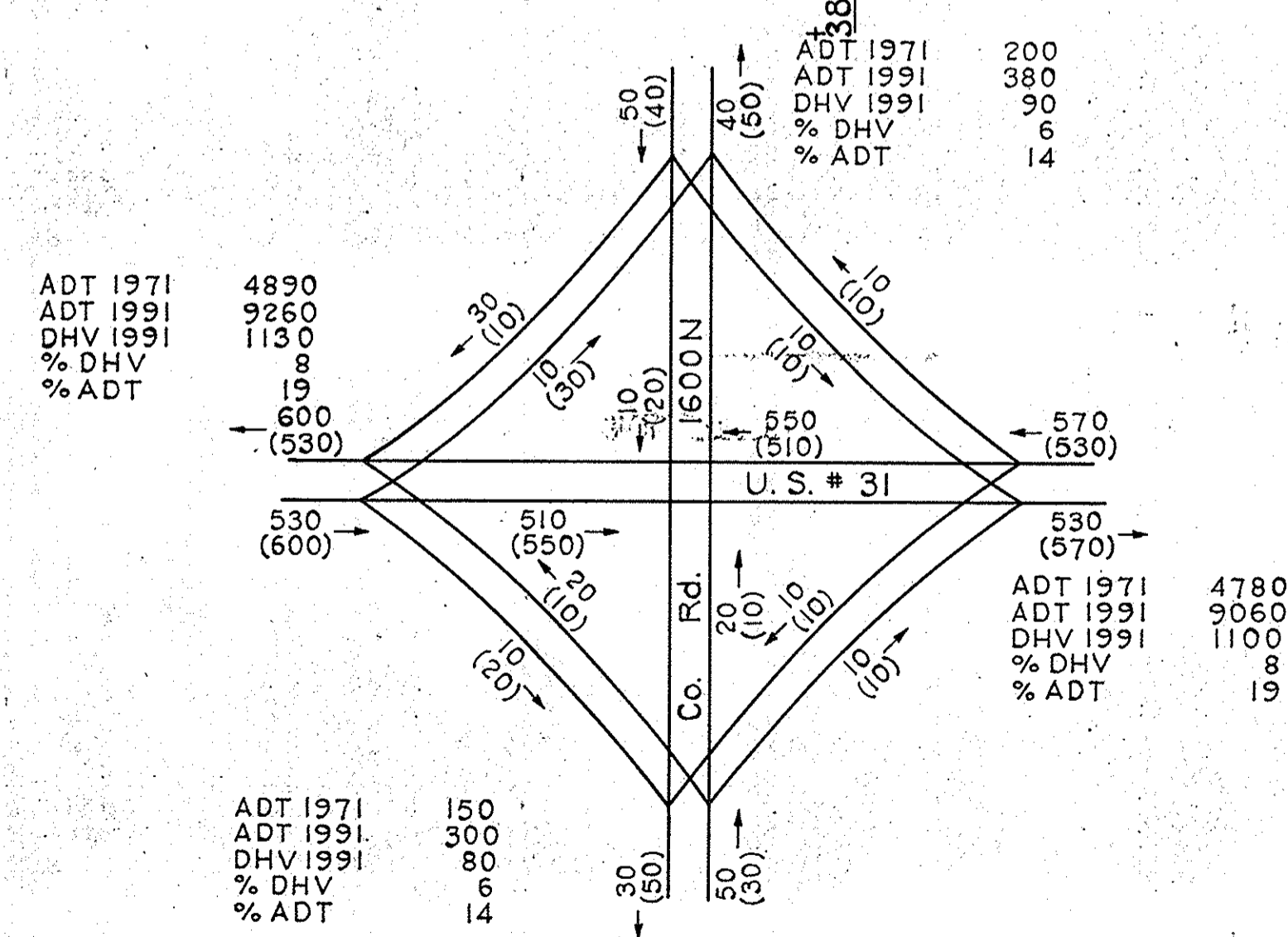
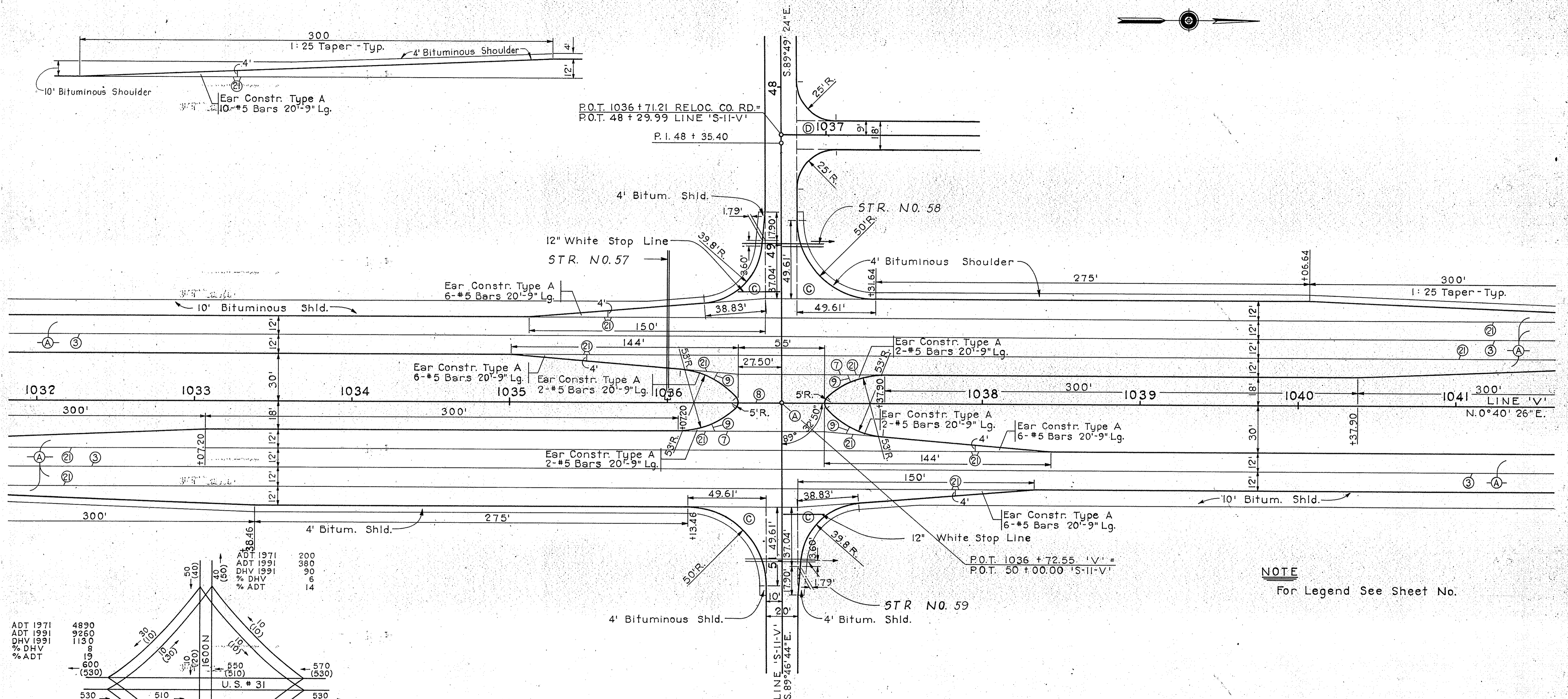


DESIGN HOURLY VOLUME ESTIMATED FOR 1991 AT COUNTY RD. 1550N.
 DIRECTIONAL DHV
 10 A.M. FLOW
 (20) P.M. FLOW

NOTE
 For Legend See Sheet No. 26

LINE 'V' & LINE 'S-10-V'
 Co. Rd. 1550N

DETAILS
 SCALE: 1" = 30'



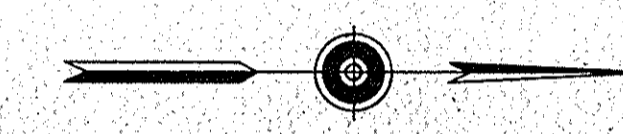
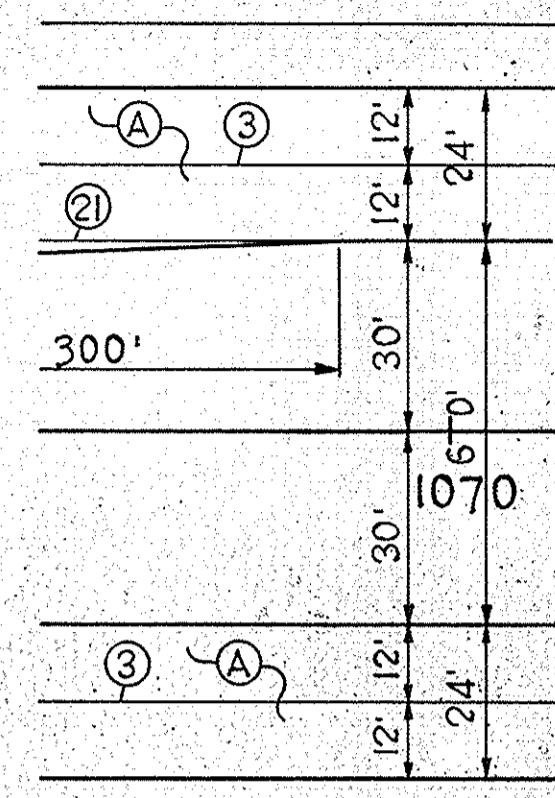
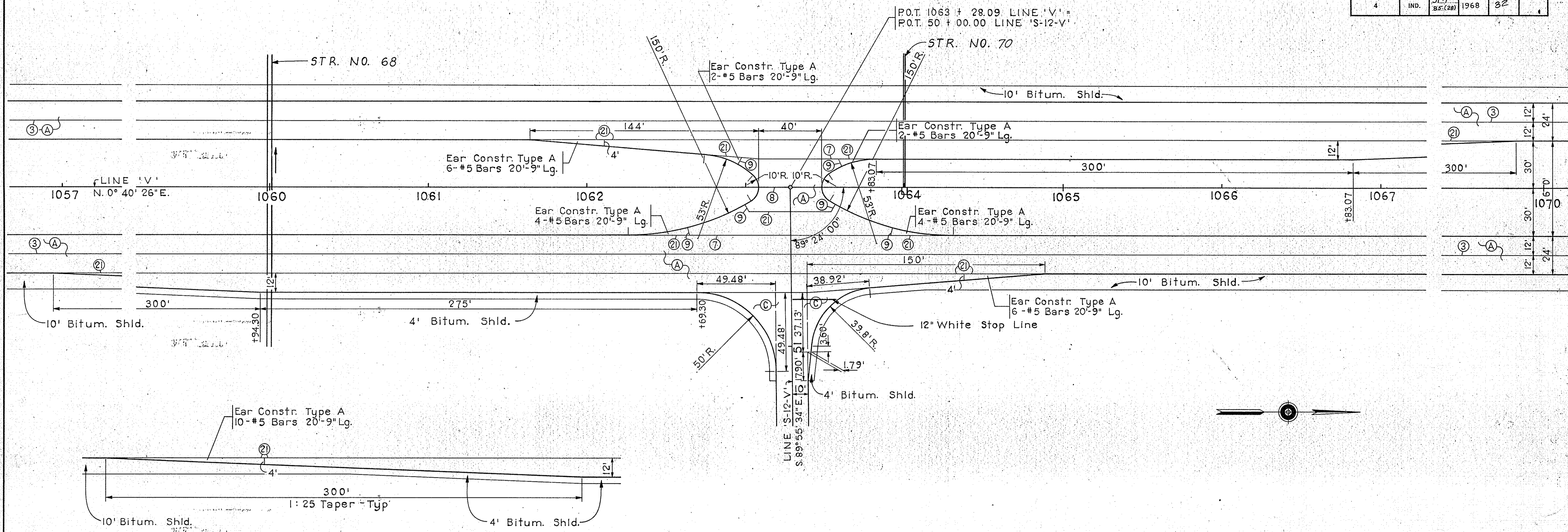
NOTE
For Legend See Sheet No.

LINE 'V' & LINE 'S-II-V'
Co. Rd. 1600N

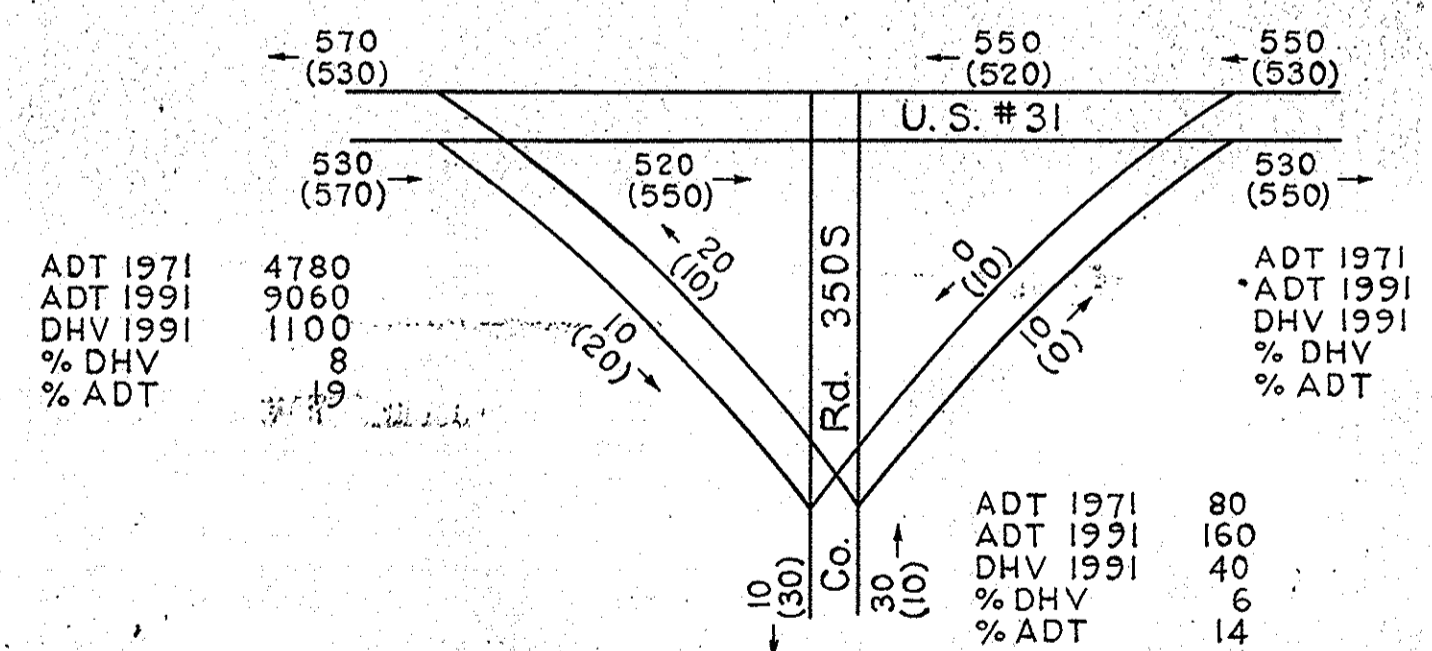
DESIGN HOURLY VOLUME ESTIMATED
FOR 1991 AT COUNTY RD. 1600N
DIRECTIONAL DHV
30 A.M. FLOW
(50) P.M. FLOW

DETAILS
SCALE: 1" = 30'

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-85(28)	1968	32	



NOTE
For Legend See Sheet No. _____



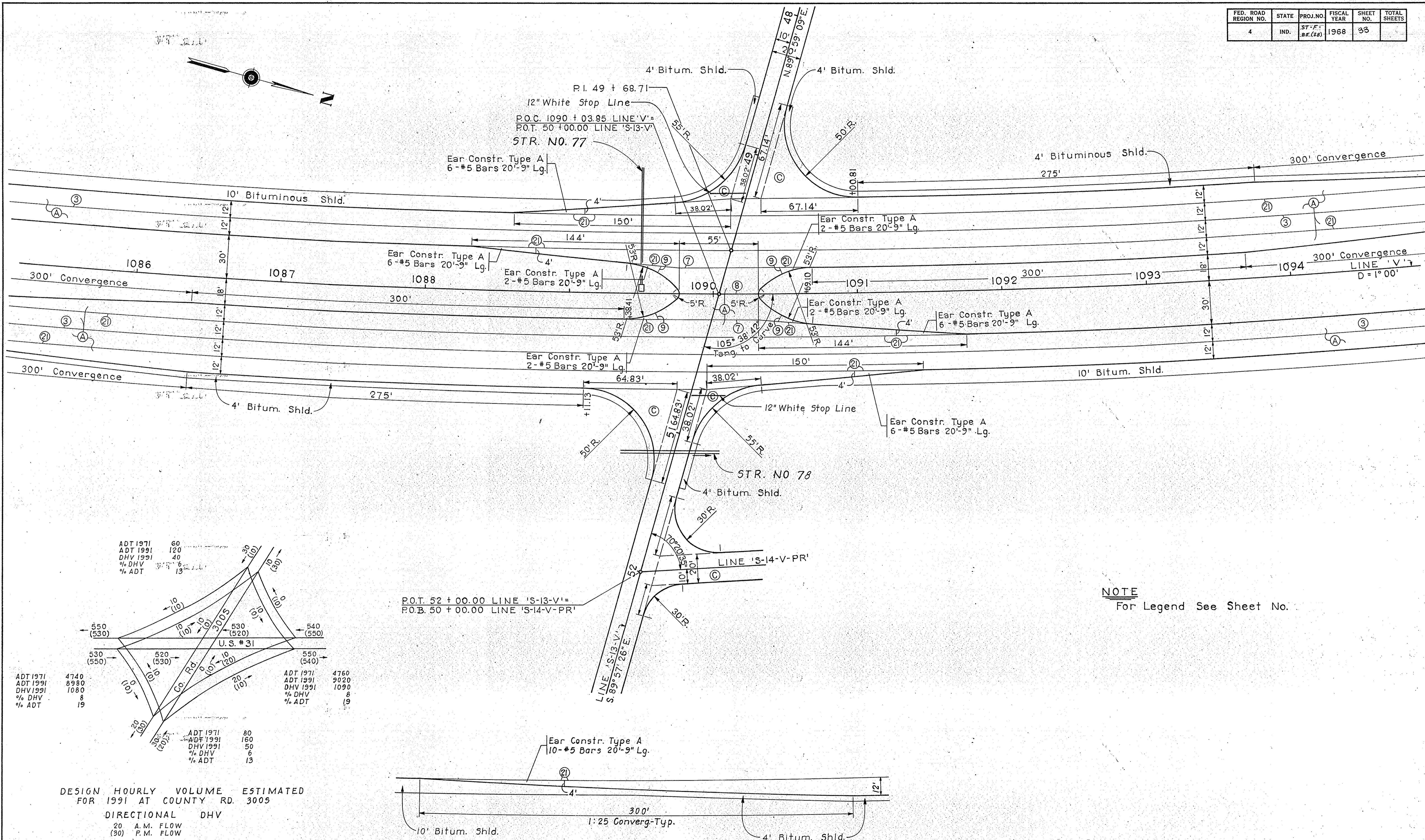
DESIGN HOURLY VOLUME ESTIMATED FOR 1991 AT COUNTY RD. 350S.
DIRECTIONAL DHV
10 A.M. FLOW
(20) P.M. FLOW

LINE 'V' & LINE 'S-12-V'
(Co. Rd. 350S)

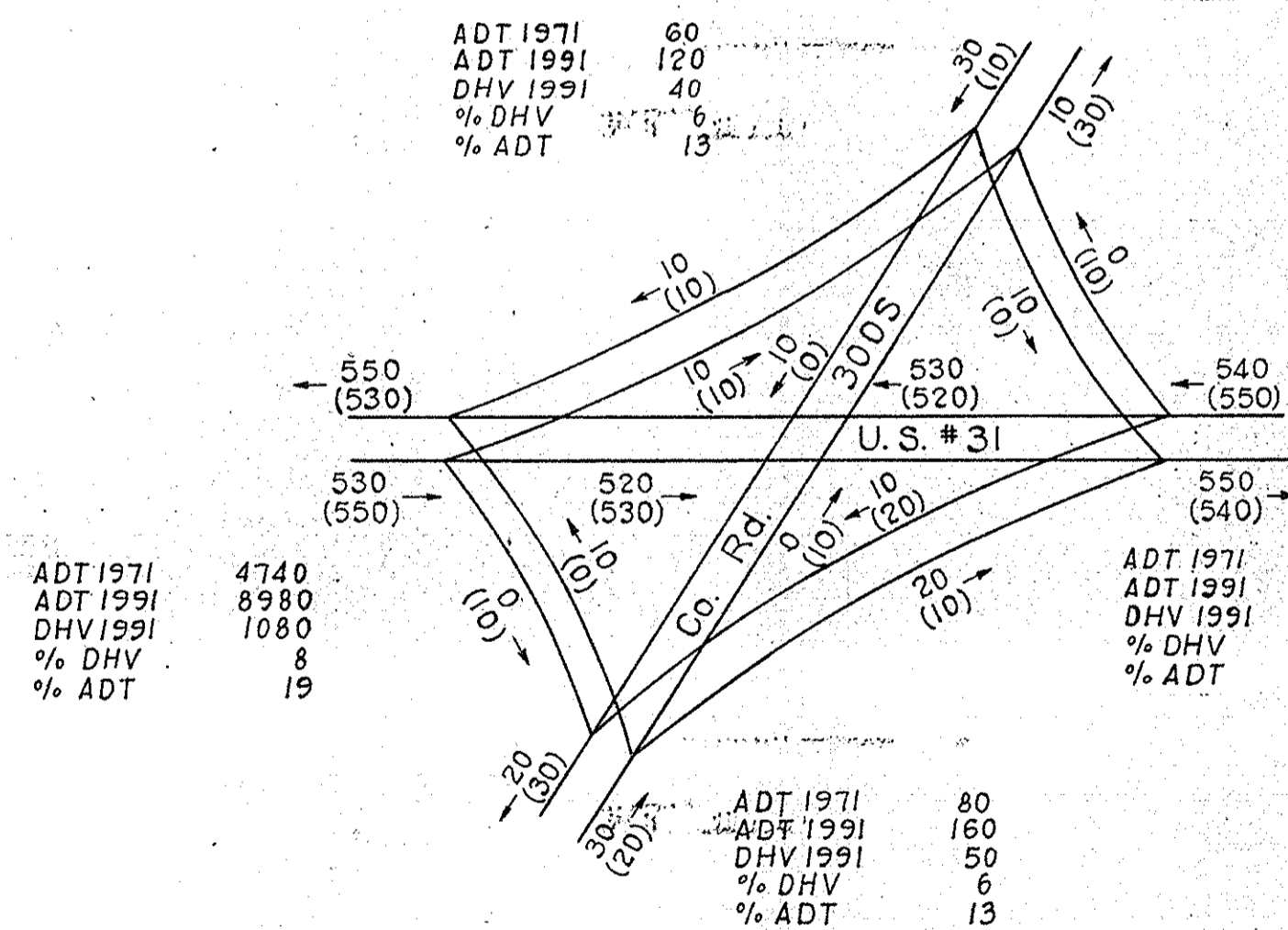
DETAILS

SCALE: 1" = 30'

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-86(28)	1968	33	



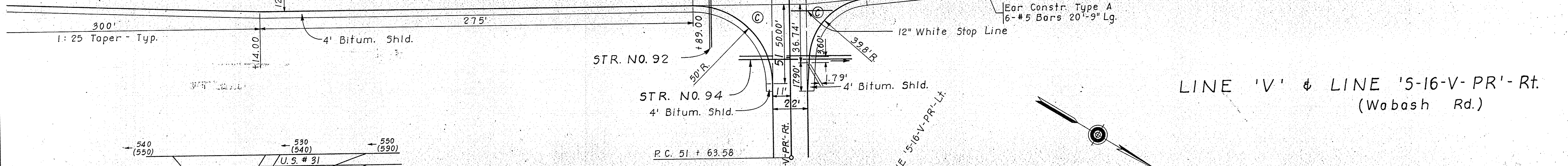
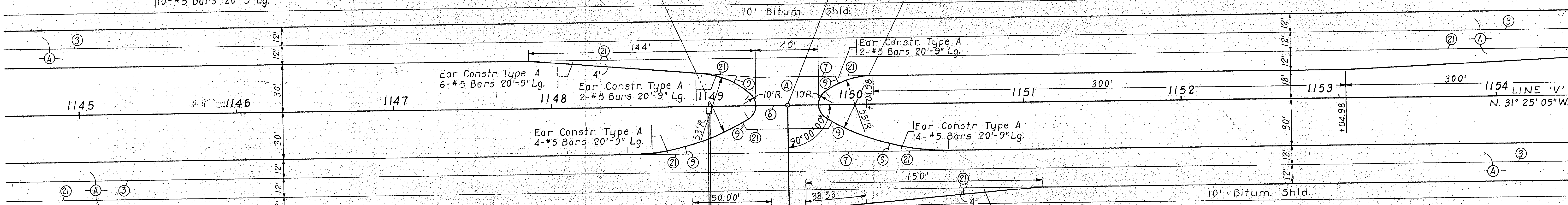
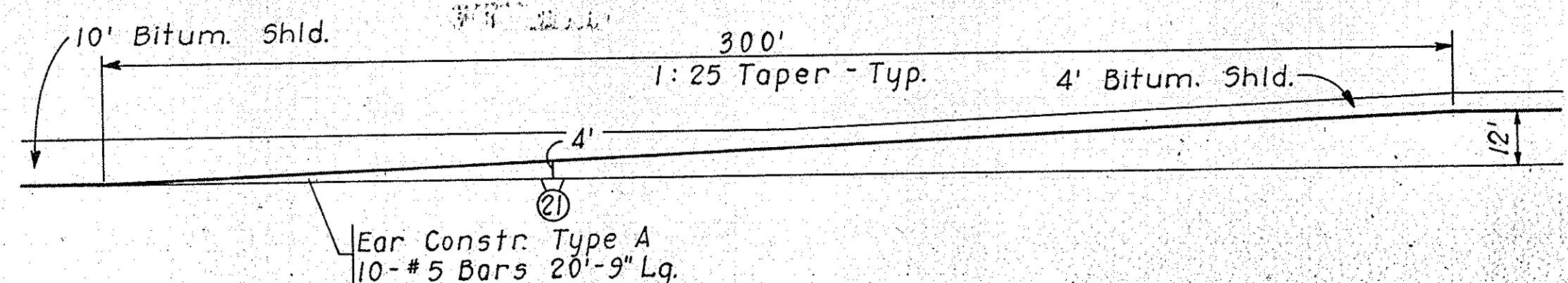
NOTE
For Legend See Sheet No.



DESIGN HOURLY VOLUME ESTIMATED
FOR 1991 AT COUNTY RD. 3005
DIRECTIONAL DHV
20 A.M. FLOW
(30) P.M. FLOW

INTERSECTION DETAILS
LINE 'V', LINE 'S-13-V' & LINE 'S-14-V-PR'
(U.S.R. 31) (CO. RD. 300S) (CO. RD. 400E)
SCALE: 1" = 30'

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	34	



LINE 'V' & LINE '5-16-V-PR'-Rt.
(Wobash Rd.)

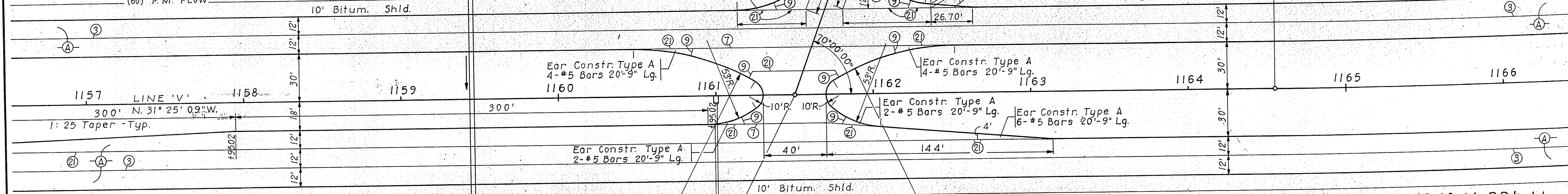
NOTE
For Legend See Sheet No. _____

ADT 1971	ADT 1991	DHV 1991	% DHV	% ADT
4760	9020	1090	8	19
540 (550)	540 (530)	20 (20)		
550 (540)	550 (550)	20 (20)		

U.S. # 31

ADT 1971	ADT 1991	DHV 1991	% DHV	% ADT
300	570	90	5	12

DESIGN HOURLY VOLUME ESTIMATED
FOR 1991 AT WABASH RD.
DIRECTIONAL DHV
30 A.M. FLOW
60 P.M. FLOW

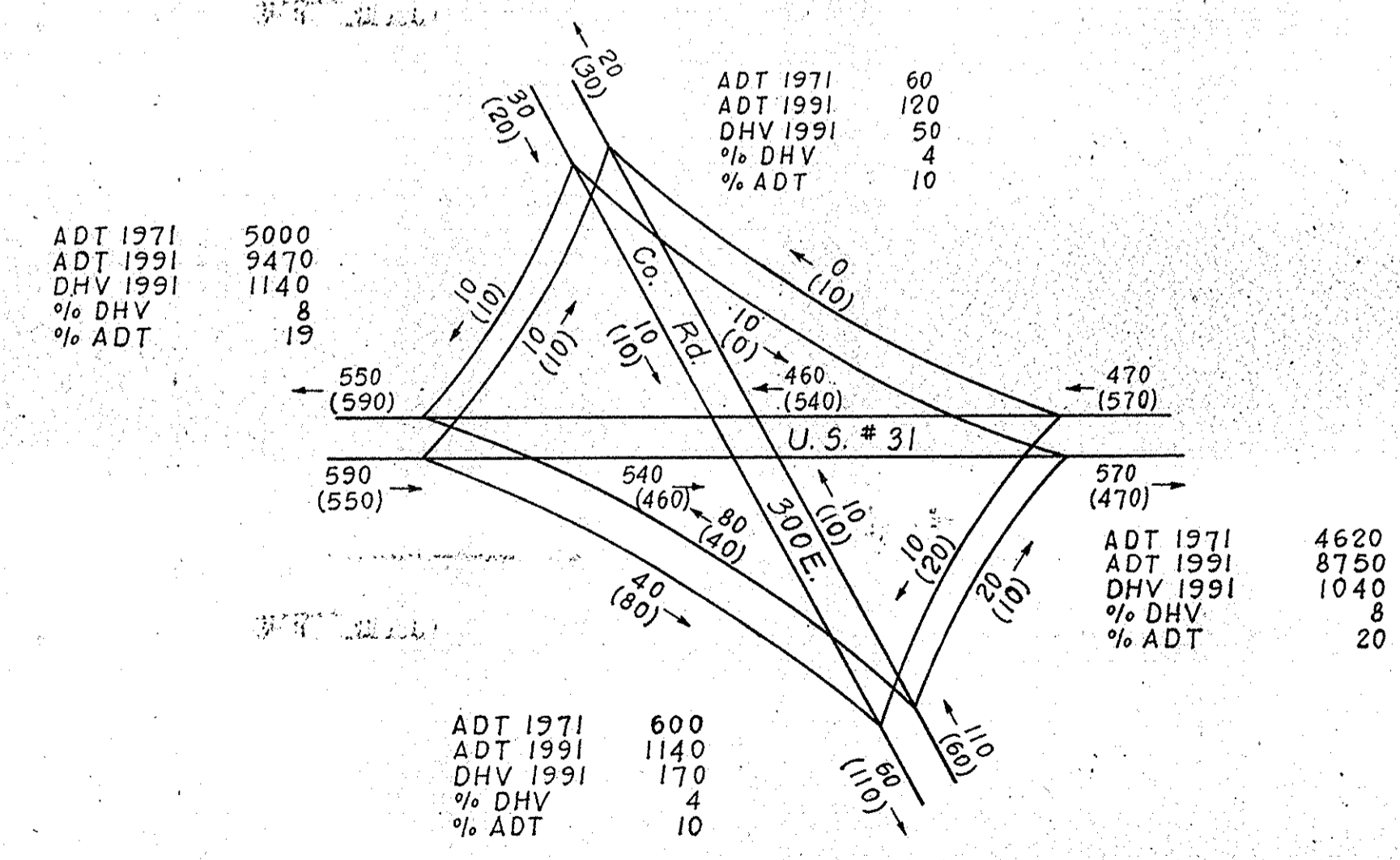
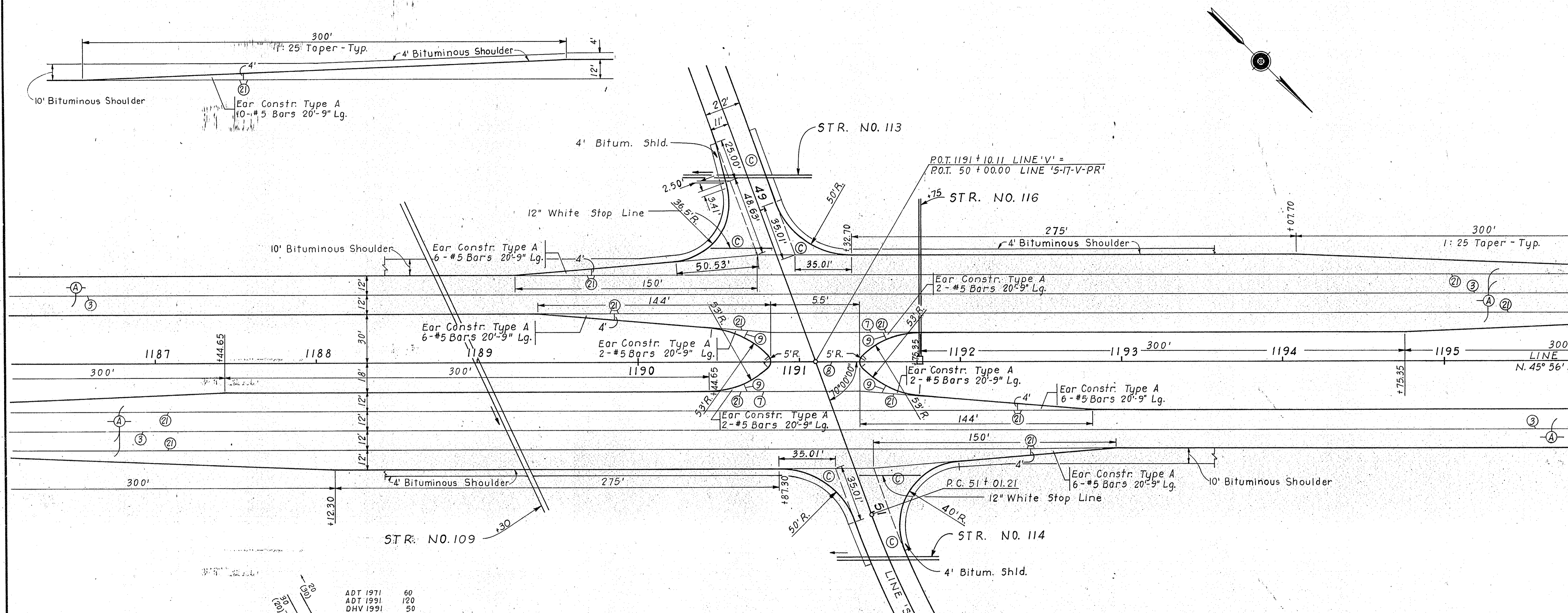


LINE 'V' & LINE '5-16-V-PR'-Lt.
(Wabash Rd.)

DETAILS

SCALE: 1" = 30'

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
ST-F-85(28)	5-16-V-PR	34		



NOTE
For Legend See Sheet No. _____

DESIGN HOURLY VOLUME ESTIMATED FOR 1991 AT COUNTY RD. 300E.
DIRECTIONAL DHV
60 A.M. FLOW
(110) P.M. FLOW

LINE 'V' & LINE 'S-17-V-PR'
(Co. Rd. 150S - Co. Rd. 300E)

DETAILS

SCALE: 1" = 30'

TABLE OF QUANTITIES

DETAIL	DESCRIPTION	LINE	STATION TO STATION	EXCAVATION		LENGTH FT.	WIDTH FT.	RADIUS FT.	GRADE OF PRIVATE DRIVE %	PAVEMENT REMOVAL SYS.	SUBBASE CYS.	C.R.C. PAVEMENT (7") SYS.	REINFORCING STEEL FOR PAVEMENT LBS.	"P" PREFORMED EXPANSION JOINT W/LOAD TRANSFER LFT.	"P" PREFORMED JOINT FILLER LFT.	TYPE "P" COMPACTED AGGREGATE BASE FOR SHOULDER CYS.	TYPE 'P' COMPACTED AGGREGATE BASE			BITUMINOUS SURFACE SYD	BITUMINOUS SURFACE SYD	BITUMINOUS BASE SYD	BITUMINOUS MIXTURE FOR APPROACHES SYD	BITUMINOUS MIXTURE FOR SHOULDERS SYD	BITUMINOUS MATERIAL APPLIED TONS	COVERING AGGREGATE TONS	RIPRAP SYS.	PAVED SIDE DITCH				R/W MARKERS EA.	MONUMENTS				SODDING SYS.	FURNISHING AND PLACING			FURNISHING AND APPLYING MULCH MATERIAL LFT.	GUARD RAIL TYPE 'A' LFT.
				SYS.													A	B	C									D	B	C	D		AGRICULTURAL LIMESTONE TONS	FERTILIZER TONS	SEED LBS.							
				3"	6"												9"	LFT.	LFT.									LFT.	LFT.	EA.	EA.		EA.	EA.	TONS	TONS		LBS.				
Co. Rd. 400 S. & 1600 N.	Lt. Turn Lane	'V'	1030+07.20—1038+44.05			836.85	12-Var.				137	820	346																													
	Rt. Turn Lane	'V'	1030+38.46—1038+33.07			794.61	12-Var.				126	759	346																													
Co. Rd. 1600 N.	Public Rd. Appr. Rt.	S-11-V	50+66—52+00			134	20	See Det'l.																0.59								2										
Co. Rd. 400 E.	Reloc. Co. Rd.		1036+81.21—1049+50.00			1278.79	18	25															2587	3.78	3.78	32.34					2				100							
Co. Rd. 350 S.	Public Rd. Appr. Rt.	S-12-V	50+66—54+00			334	20	See Det'l.																																		
	Lt. Turn Lane	'V'	1061+64.09—1069+83.07			818.98	12-Var.				137	820	346																													
	Public Rd. X-Over		1063 + 28.09			36	40	10 & 53			66	396	260	40	30																											
	Rt. Turn Lane	'V'	1056+94.30—1064+88.78			794.48	12-Var.				126	759	346																													
Co. Rd. 300 S.	Public Rd. Appr. Lt.	S-13-V	48+00—49+31.46			131.46	20	50 & 55																0.63								3					208					
	Rt. Turn Lane	'V'	1083+36.13—1089+11.13								130	781	346																													
	Lt. Turn Lane	'V'									137	820	346																													
	Public Rd. X-Over	'V'	1090 + 03.83			36	55	5 & 53			50	302	173	55	20																											
	Lt. Turn Lane	'V'									137	820	346																													
	Rt. Turn Lane	'V'	1091+00.81—1096+75.81								131	784	346																													
Co. Rd. 300 S.	Public Rd. Appr. Rt.	S-13-V	50+68.34—52+50			181.46	20	50 & 55																0.79																		
	Access Rd. No. 8	AR# 8	1090+89.04—1105+00			1,411	28	20																																		
	Class V Drive	AR# 8	1105+00—1105+15			15	12																																			
Co. Rd. 400 E.	Public Rd.	S-14-V-PR	50+10.82—58+35.82			825.20	20	30																2.76																		
Wabash Rd.	Public Rd. Appr. Rt.	S-16-V(Rt)PR	50+66—55+89.18			523.18	22	See Det'l.																																		
	Class II Drive Lt.	S-16-V(Rt)PR	54 + 65			25	12	15 & 25								54								0.08																		
	Lt. Turn Lane	'V'	1147+86.00—1156+04.98			818.98	12-Var.				137	820	346																													
	Public Rd. X-Over	'V'	1149 + 50			48	40	10 & 53			126	396	260	40	30																											
	Rt. Turn Lane	'V'	1143+14.00—1151+11.00			797	12-Var.				66	759	346																													
	Access Rd. No. 9	V-Lt.	1142+40—1150+13.54			813.54	28	20																																		
	Class V Drive	AR# 9	1142+00—1142+40			40	12																																			
Wabash Rd.	Public Rd. Appr. Lt.	S-16-V(Lt)PR	45+32.65—49+29.77			397.12	22	See Det'l.																1.50																		
	Apron		49+29.77—49+42.54			12.77	Var.	See Det'l.			19	114	130																													
	Public Rd. X-Over		1161 + 50			48	40	10 & 53			66	396	260	40	40																											
	Lt. Turn Lane	'V'	1154+95.02—1163+14.00			818.98	12-Var.				137	820	346																													

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	57-F-85(28)	1968	30	30

SECTION 10
T.19N. R.7E. S.10E.
1967

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Samuel
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RIGHT-OF-WAY PLAT #3
 FOR THE DIVISION OF LAND ACQUISITION
 OF THE INDIANA STATE HIGHWAY COMMISSION
 PROJECT NO. 57-F-85(28) AERIAL PHOTO MOSAIC
 U.S. 31 FROM 0.7 MILE SOUTH OF S.R. 16 TO
 1.8 MILE SOUTH OF S.R. 25
 AERIAL PHOTOGRAPHY by CYDE E WILLIAMS & ASSOC
 DATE OF PHOTOGRAPHY OCTOBER, 1967
 PREPARED by CHAS. W. COLE & SON
 ENGINEERS - SOUTH BEND, INDIANA
 MOSAIC SCALE 1" = 400' SHEET 1 of 3

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	40	



RIGHT-OF-WAY PLAT #3
 FOR THE DIVISION OF LAND ACQUISITION
 OF THE INDIANA STATE HIGHWAY COMMISSION
 PROJECT NO. ST-F-85(28) AERIAL PHOTO MOSAIC
 U.S. 31 FROM 0.7 MILE SOUTH OF S.R. 16 TO
 1.8 MILE SOUTH OF S.R. 25
 AERIAL PHOTOGRAPHY by CLYDE E. WILLIAMS & ASSOC.
 DATE OF PHOTOGRAPHY OCTOBER, 1967
 PREPARED by CHAS. W. COLE & SON
 ENGINEERS - SOUTH BEND, INDIANA
 MOSAIC SCALE : 1" = 400' SHEET 2 of 3

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	ST-F-85(28)	1968	41	



RIGHT-OF-WAY PLAT # 3
 FOR THE DIVISION OF LAND ACQUISITION
 OF THE INDIANA STATE HIGHWAY COMMISSION
 PROJECT NO. ST-F-85(28) AERIAL PHOTO MOSAIC
 U.S. 31 FROM 0.7 MILE SOUTH OF S.R. 16 TO
 1.8 MILE SOUTH OF S.R. 25
 AERIAL PHOTOGRAPHY by CLYDE E. WILLIAMS & ASSOC.
 DATE OF PHOTOGRAPHY OCTOBER, 1967
 PREPARED by CHAS. W. COLE & SON
 ENGINEERS - SOUTH BEND, INDIANA
 MOSAIC SCALE · 1" = 400' SHEET 3 of 3