PROJECT	DESIGNATION	DESIGNATION
STP-S870( )	9804320	0200872
CONTRACT	BRIDGE FILE	

PROJECT LOCATION			
DESCRIPTION	DESIGNATION	LATITUDE	LONGITUDE
SR 331 *	9804320	41.6494°N	86.1384°W
SR 331 **	0200872	41.6540°N	86.1384°W
BRIDGE (N.S.R.R.)	0300831	41.6587°N	86.1384°W
SR 331 SIGNALS	0200434	41.6495°N	86.1376°W
SR 331 SIGNS	0200435	41.6495°N	86.1376°W

* SR 331 FROM US 20 BYPASS TO SOUTH OF 12TH STREET IN ST. JOSEPH COUNTY
** SR 331 FROM SOUTH OF 12TH STREET TO SOUTH OF SR 933 IN ST. JOSEPH COUNTY

TRAFFIC DATA	SR 331: US 20 TO 12TH STREET
A.A.D.T. 2005	12.200 V.P.D.
A.A.D.T. 2025	22.900 V.P.D.
D.H.V. 2025	2.290 V.P.H.
DIRECTIONAL DISTRIBUTION	50 %
TRUCKS	12 % D.H.V.
DESIGN DATA	
DESIGN SPEED	50 M.P.H.
PROJECT DESIGN CRITERIA	NEW CONSTRUCTION (NON-FREEWAY
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	URBAN (SUBURBAN)
TERRAIN	LEVEL
ACCESS CONTROL	PARTIAL

TRAFFIC DATA	SR 331: 12TH STREET TO SR 933
A.A.D.T. 2005	14.800 V.P.D.
A.A.D.T. 2025	32.700 V.P.D.
D.H.V. 2025	2.945 V.P.H.
DIRECTIONAL DISTRIBUTION	50 %
TRUCKS	12 % D.H.V.
DESIGN DATA	
DESIGN SPEED	50 M.P.H.
PROJECT DESIGN CRITERIA	NEW CONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	URBAN (SUBURBAN)
TERRAIN	LEVEL
ACCESS CONTROL	PARTIAL

INDIANA DEPARTMENT OF TRANSPORTATION

R/W CODE: 4821
DES No. 0200872

RIGHT-OF-WAY PLANS

S.R. 331 - U.S. 20 TO S.R. 933

PROJECT NO. STP-5171(015) R/W

Project Description: Beginning at a point approximately 840 feet south of the intersection of US 20 and Elm Road; thence northerly approximately 3,220 feet along the existing alignment of Elm Road; thence northwesterly on new alignment; thence continuing on new alignment northerly and west of Elm Road; thence northeasterly across the existing intersection of Capital Avenue and 12th Street; thence northerly and east of Capital Avenue; thus ending at the south abutment of the existing Capital Avenue bridge over the St. Joseph River, in Sections 35, 36, 25, 26, 23, 24, 13, and 14, Township 37 North, Range 3 East, Penn Township, St. Joseph County, Indiana.

GROSS LENGTH: 0.92 MI.
NET LENGTH: 0.92 MI.
SCALES:
Horiz:1"= 50'
Vert:1"= 10'

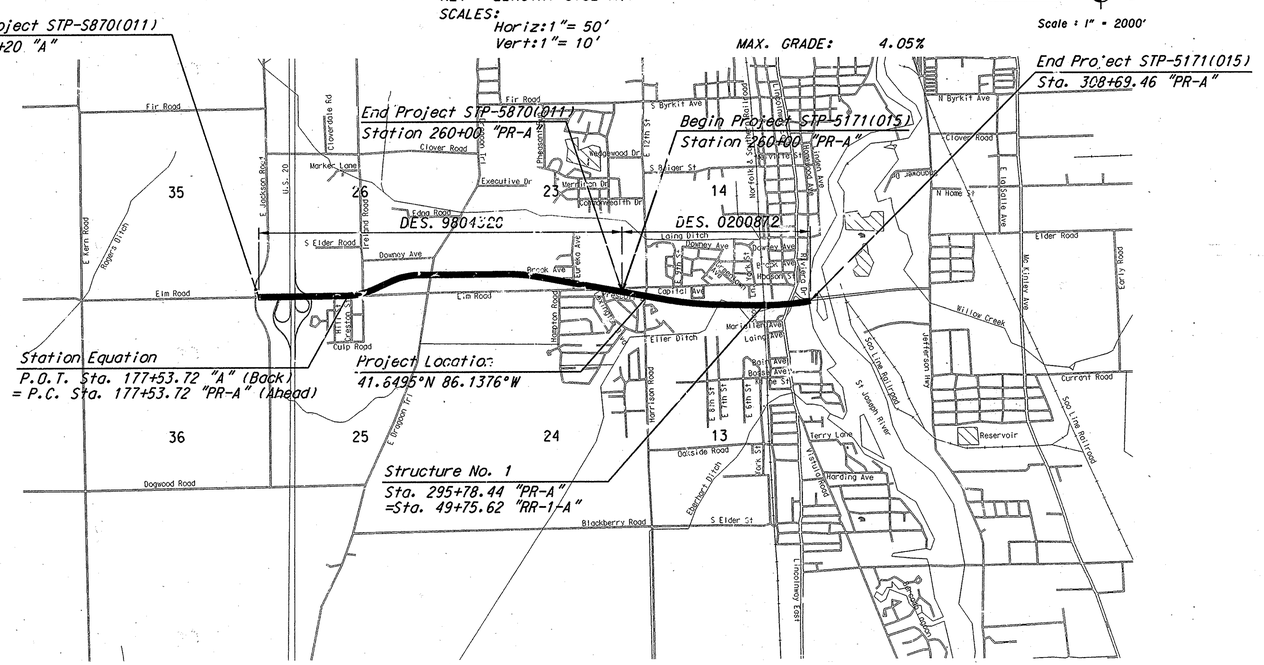
MAX. GRADE: 4.05%

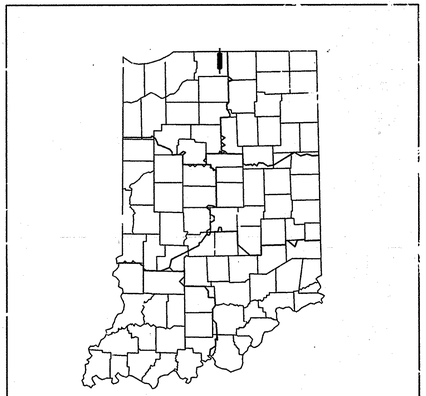
Scale = 1" = 2000'

TRAFFIC DATA	DRAGOON TRAIL
A.A.D.T. 2005	3.800 V.P.D.
A.A.D.T. 2025	7.100 V.P.D.
D.H.V. 2025	710 V.P.H.
DIRECTIONAL DISTRIBUTION	50 %
TRUCKS	5 % D.H.V.
DESIGN DATA	
DESIGN SPEED	40 M.P.H.
PROJECT DESIGN CRITERIA	RECONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	LOCAL AGENCY COLLECTOR
RURAL/URBAN	URBAN (SUBURBAN)
TERRAIN	LEVEL
ACCESS CONTROL	NONE

TRAFFIC DATA	12TH STREET
A.A.D.T. 2005	9.000 V.P.D.
A.A.D.T. 2025	23.200 V.P.D.
D.H.V. 2025	2.090 V.P.H.
DIRECTIONAL DISTRIBUTION	50 %
TRUCKS	9 % D.H.V.
DESIGN DATA	
DESIGN SPEED	30 M.P.H.
PROJECT DESIGN CRITERIA	RECONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	LOCAL AGENCY COLLECTOR
RURAL/URBAN	URBAN (INTERMEDIATE)
TERRAIN	LEVEL
ACCESS CONTROL	PARTIAL

TRAFFIC DATA	SR 933
A.A.D.T. 2005	23.800 V.P.D.
A.A.D.T. 2025	35.500 V.P.D.
D.H.V. 2025	2.485 V.P.H.
DIRECTIONAL DISTRIBUTION	50 %
TRUCKS	7 % D.H.V.
DESIGN DATA	
DESIGN SPEED	35 M.P.H.
PROJECT DESIGN CRITERIA	RECONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL
RURAL/URBAN	URBAN (BUILT UP)
TERRAIN	LEVEL
ACCESS CONTROL	PARTIAL





PROJECT LOCATION SHOWN BY

LEGEND

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 1999
TO BE USED WITH THESE PLANS

AMERICAN CONSULTING, INC.
Architects Consultants Engineers
7260 SHADELAND STATION
INDIANAPOLIS, IN 46256-3957
(317) 547-5580 FAX: (317) 543-0270

Copyright (C) 1966-2002 by American Consulting, Inc.

FEDERAL HIGHWAY ADMINISTRATION
U.S. DEPT. OF TRANSPORTATION
APPROVED: _____
DATE

DIVISION ADMINISTRATOR

PLANS
PREPARED BY: American Consulting, Inc. (317) 547-5580
PHONE NUMBER

CERTIFIED BY: _____ DATE

APPROVED FOR LETTING: Michael McGuire 11-2-06
~~CHIEF, DIVISION OF DESIGN~~ DATE

BRIDGE FILE
DESIGNATION NO.
0200872
SHEETS
1 of 55
CONTRACT / PROJECT NO.
STP-5171(015)

R/W CODE:4821

$USER
$DATE$
$FILE$
$TIME$

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UTILITIES

TELEPHONE

Linderlake Corporation
40101 St. Andrew Circle
Mishawaka, IN 46545
(547)271-0706
Contact: Terry Grazzan
RE: Quest Communications

AT & T Communications
866 Rock Creek Rd.
Plano, IL. 60545
(630)552-4677
Contact: Carl Donahue

Dominion Telecom
506 W. South St
South Bend, IN 46601
(574)232-7262
Contact: Lars Hyquist

Level 3 Communications
17 W. 705 Butterfield Suite G
Oakbrook Terrace, IL 60181
(630)620-8942
Contact: Jan Nicholson

Wiltel Communication
8934 Emperors Court
Indianapolis IN 46234
(317)919-9695
Contact: Dale Jones

MCI Worldcom Inc.
730 W. Henry St.
Indianapolis IN 46225
(317)685-8050
Contact: Chris Fowler

Turnkey Network Solutions, Inc.
2 - 84th St. SW Suite C
Byron Center, MI 49315
(616)455-9843
Contact: Thomas Glass

SBC Outside Engineering
307 S. Main St.
South Bend, IN 46601
(547)237-8380
Contact: Dennis Bunch

WATER

Mishawaka Utilities, Water Division
P.O. Box 363
Mishawaka, IN. 46544
(574)258-1652
Contact: Joe Malicki

ELECTRIC

Mishawaka Utilities, Electric Division
P.O. Box 363
Mishawaka, IN. 46544
(574)258-1708
Contact: Eric Uitdenhowen, Manager

American Electric Power
2929 West Lathrop Rd.
South Bend, IN. 46628
(574)283-1838
Contact: Patrick Zillmer
RE: Distribution

American Electric Power
700 Morrison Road
Gahanna, OH 43220
Contact: Howard Loucks
RE: Transmission

PIPELINE

Norco Pipeline, Inc.
123 Pipeline Drive
Griffith, IN 46319
(219)924-4107
Contact: John Rangel

Northern Indiana Public Service Company
801 E. 86th Ave.
Merrillville, IN. 46410
(219)647-4779
Contact: Neal Arndt

GAS

Northern Indiana Public Service Company
801 E. 86th Ave.
Merrillville, IN. 46410
(219)647-4779
Contact: Neal Arndt

SANITARY SEWER

Lawson-Fisher Associates
525 W. Washington Ave.
South Bend, IN 46601
(574)234-3167
Contact: Randy Lindley

RAILROAD

URS Corporation
3040 N. University Ave. Suite 1.
Decatur, IL 62526-1343
(217)359-2686
Contact: Richard Schroeder

CABLE TV

Comcast
4045 Edison Lake Parkway
Mishawaka, IN 46545
(574)252-2562
Contact: John Holmes

GENERAL NOTES

**	All earth shoulders, median areas, and cut and fill slopes shall be plain or mulch seeded except where sodding is specified
	The final cross sections of the grading contract will be the original cross sections of the paving contract. However, partial or complete cross sections shall be taken if necessary to determine the actual excavation quantities.
	The paper relocation will be cross sectioned by the Engineer before construction.
	Existing asphalt pavement located outside the construction limits, between Sta. _____ and Sta. _____, shall be removed as directed.
	The quantity of peat excavation shown on the plans has been estimated on the basis of theoretical cross sections by using treatment of existing fills, treatment by removal, or treatment by displacement, where each treatment applies.
**	All limited access right-of-way (L.A. R/W) is to be fenced with chain link type fence (CLTF) or farm field type fence (FFTF) where specified in the plans.

** REPRESENTS GENERAL NOTES REQUIRED

INDEX TO SHEETS

SHEET NO.	DRAWING INDEX
1	Title Sheet
2	Right-of-Way Index
3	Project Layout
4-8	Location Control Route Survey Plats
9-13	Plat No. 1
14-22	Typical Sections
23-42	Plan & Profile (Road)
43	Detention / Retention Pond Details
44-52	Plan & Profile (Bridge)
53-55	Approach Tables

REVISIONS

SHEET NO.	DATE	REVISED
11 & 31	1-8-07	Parcel 81 Changed Excess Land to Res A, Added Temp Parcels 81A & 81B
9, 12 & 27	1-8-07	Parcel 108 Changed Res C to Excess Land, Elim. Parcel 108A Perm. Easement
10, 25, 30, 33	1-29-07	Parcel 27 changed Res A to Excess Land, Elim. Temp 27A
11, 30	2-12-07	Parcel 56 changed Res A to Excess Land, Elim. Temp 56A
11, 30	2-20-07	Parcel 53 changed Res A to Excess Land Elim. Temp 53A
10, 25	3-23-07	Parcel 50 changed Res A to Excess Land
11, 30	4-10-07	Parcel 51 changed Res A to Excess Land, Elim. Temp 51A
10, 25	5-15-07	Parcel 28 changed Res A to Excess Land
11, 26, 30, 33	6-4-07	Parcel 51 changed Res to Excess Land, Elim. Temp 51A
11, 13, 39	6-13-07	Parcel 29 changed Res to Excess Land
25, 30, 31, 37, 38, 40, 43, 45	6-20-07	Parcel 84 Added Temp. R/W 84A, Added Res. A
11, 30, 31, 40	7/23/07	Parcel 60 Removed Temp R/W, Added Temp. Right of Entry
10, 24, 43	8/22/07	Added Perpetual Easement for Legal Drain
9, 27	3/30/10	Created Parcel 134 From Parcel 83 Sell Off
2	3/30/10	Parcel 6 Rev. Res to Excess Land
		Revised Revision Notes at top of sheet
		Revised Revision Note 1-8-07 to 108B

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
		VERTICAL SCALE	DESIGNATION NO. 0200872
DESIGNED: HDP / DRAWN: EAK	RIGHT-OF-WAY INDEX	SURVEY BOOK	SHEETS 2 of 55
CHECKED: ADS / CHECKED: MJK		CONTRACT	PROJECT NO. STP-5171(015)

R/W CODE: 4821

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$DATE$
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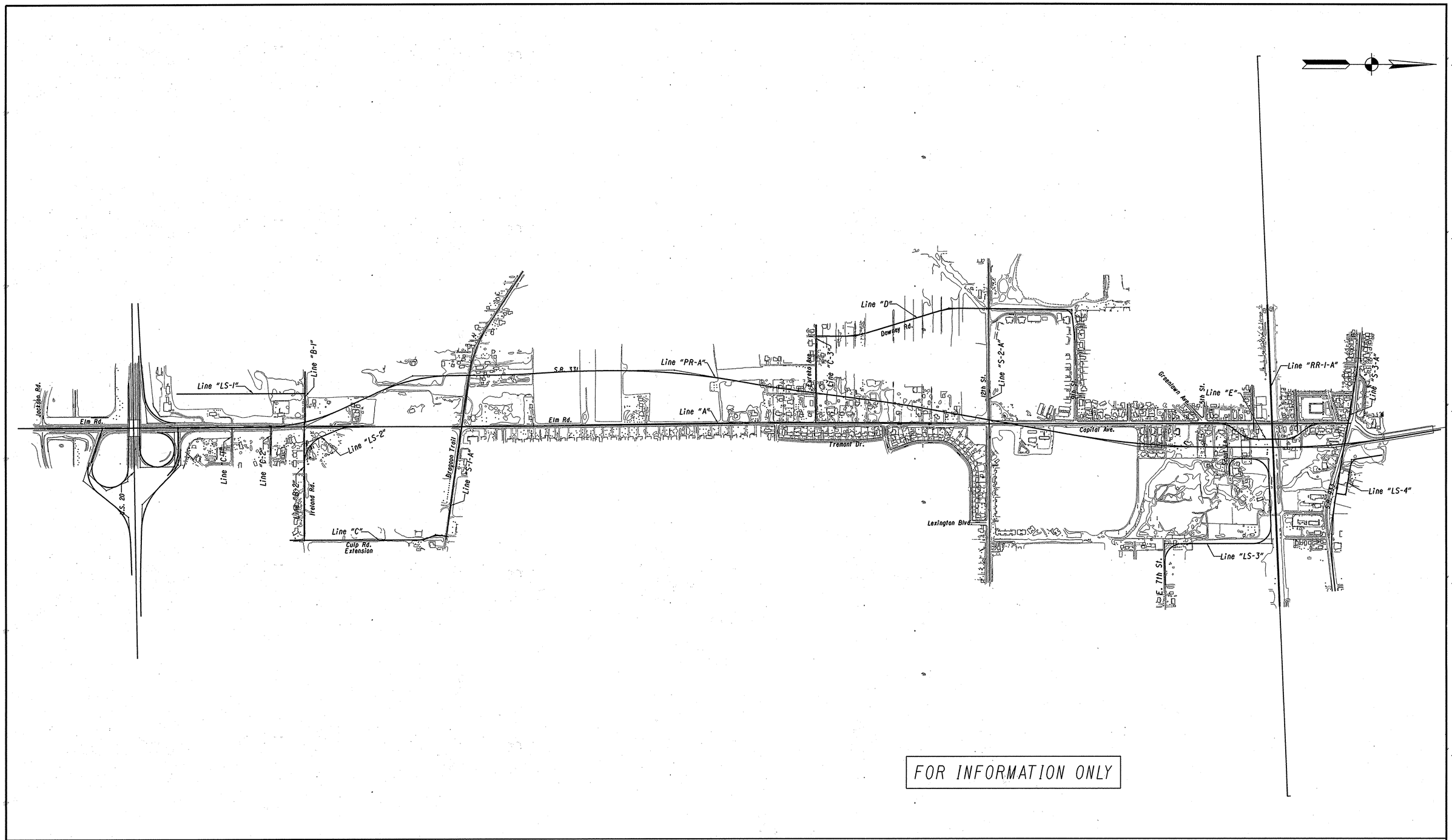

FOR INFORMATION ONLY

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 500'	BRIDGE FILE
		VERTICAL SCALE	DESIGNATION NO. 9804320/0200872
DESIGNED: HDP DRAWN: EAK	PROJECT LAYOUT	SURVEY BOOK	SHEETS 3 of 55
CHECKED: ADS CHECKED: MJK		CONTRACT	PROJECT NO. STP-5870(011)/STP-5171(015)

R/W CODE:4821/R/W CODE:4382

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Hold American Consulting Title

CODE NO: 4821
DES NO: 0200872
PROJ NO: STP-5171(015)
SHEET 4 of 55

R/W CODE: 4382

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ST. JOSEPH COUNTY
RECORDER
REC FEE: $39.00
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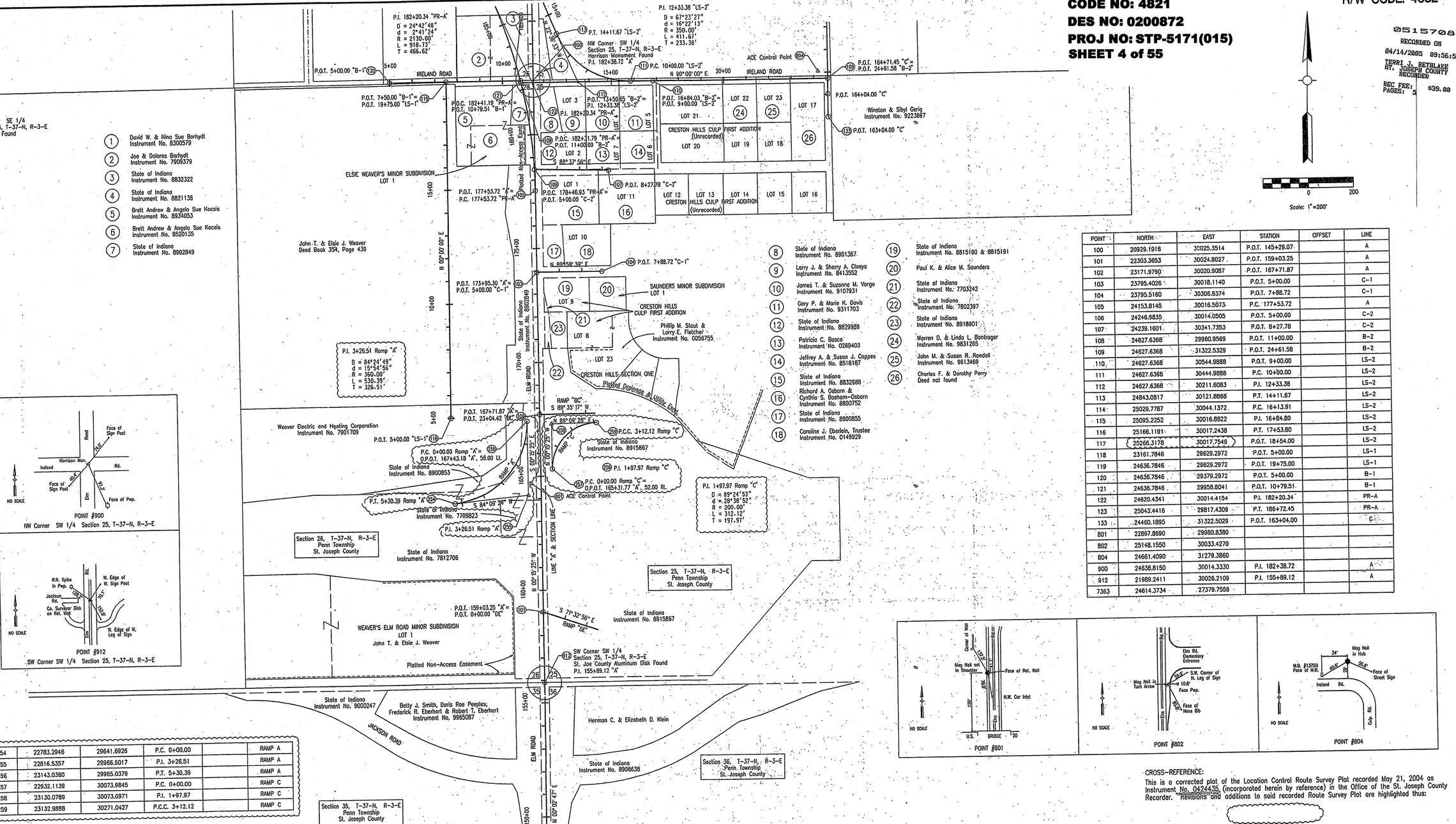


POINT	NORTH	EAST	STATION	OFFSET	LINE
100	20929.1916	30025.3514	P.O.T. 145+29.07		A
101	22303.3653	30024.8027	P.O.T. 159+03.25		A
102	23171.9790	30020.9087	P.O.T. 167+71.87		A
103	23795.4026	30018.1140	P.O.T. 5+00.00		C-1
104	23795.5160	30306.8374	P.O.T. 7+88.72		C-1
105	24153.8145	30016.5073	P.C. 177+53.72		A
106	24246.9835	30014.0505	P.O.T. 5+00.00		C-2
107	24239.1601	30341.7353	P.O.T. 8+27.78		C-2
108	24627.6368	29960.9569	P.O.T. 11+00.00		B-2
109	24627.6368	31322.5329	P.O.T. 24+61.58		B-2
110	24627.6368	30544.9888	P.O.T. 9+00.00		LS-2
111	24627.6368	30444.9888	P.C. 10+00.00		LS-2
112	24627.6368	30211.6083	P.I. 12+33.38		LS-2
113	24843.0817	30121.8868	P.T. 14+11.67		LS-2
114	25029.7787	30044.1372	P.C. 16+13.91		LS-2
115	25095.2252	30016.8822	P.I. 16+84.80		LS-2
116	25166.1191	30017.2438	P.T. 17+53.80		LS-2
117	25266.3178	30017.7549	P.O.T. 18+54.00		LS-2
118	23161.7846	29629.2972	P.O.T. 5+00.00		LS-1
119	24636.7846	29629.2972	P.O.T. 19+75.00		LS-1
120	24636.7846	29379.2972	P.O.T. 5+00.00		B-1
121	24636.7846	29958.8041	P.O.T. 10+79.51		B-1
122	24620.4341	30014.4154	P.I. 182+20.34		PR-A
123	25043.4416	29817.4309	P.T. 186+72.45		PR-A
133	24460.1895	31322.5029	P.O.T. 163+04.00		C
801	22867.8690	29980.8380			
802	25148.1550	30033.4270			
804	24661.4090	31279.3860			
900	24638.8150	30014.3330	P.I. 182+38.72		A
912	21989.2411	30026.2109	P.I. 155+89.12		A
7363	24614.3734	27379.7558			

254	22783.2946	29641.6926	P.C. 0+00.00		RAMP A
255	22816.5357	29966.5017	P.I. 3+26.51		RAMP A
256	23143.0380	29965.0379	P.T. 5+30.39		RAMP A
257	22932.1139	30073.9845	P.C. 0+00.00		RAMP C
258	23130.0789	30073.0971	P.I. 1+97.97		RAMP C
259	23132.9888	30271.0427	P.C.C. 3+12.12		RAMP C

CROSS-REFERENCE:
This is a corrected plat of the Location Control Route Survey Plat recorded May 21, 2004 as Instrument No. 0424435 (incorporated herein by reference) in the Office of the St. Joseph County Recorder. Revisions and additions to said recorded Route Survey Plat are highlighted thus:

STATE ROAD 331

PREPARED BY
AMERICAN CONSULTING, INC.
Architects Consultants Engineers
7260 SHADELAND STATION
INDIANAPOLIS, IN 46256
(317) 547-5580 FAX: (317) 543-0270
AMERICAN CONSULTING, INC. PROJECT IN20010700

FIELD SURVEYOR STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF ANY NEW PARCELS TO BE ACQUIRED OR THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.

4-12-05
REGISTERED LAND SURVEYOR, FIELD — DATE

MICHAEL L. BISHOP REGISTERED No. S0511 STATE OF INDIANA LAND SURVEYOR

INDIANA DEPARTMENT OF TRANSPORTATION

LOCATION CONTROL ROUTE SURVEY PLAT

SURVEY STARTED	STRUCTURE NO.	DES. NO.		
		9804320		
SURVEY COMPLETED	PROJECT NO.	YEAR	SHEET	TOTAL
	STP-S870(011)		1	5

OFFICE SURVEYOR STATEMENT

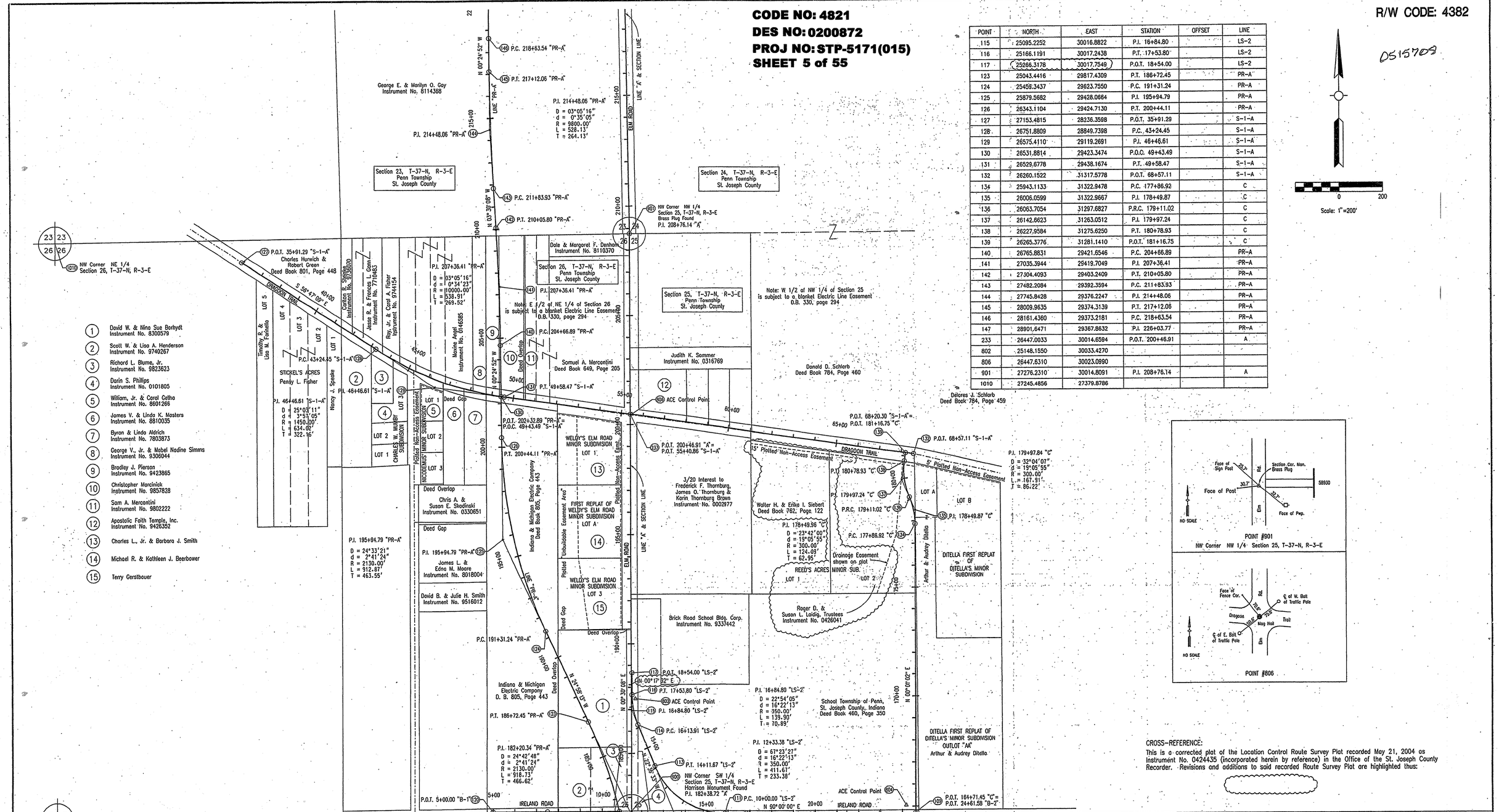
THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 REGARDING ROUTE SURVEYS, COVERING ONLY THE REQUIRED LOCATION OR DESCRIPTION OF ANY NEW PARCELS TO BE ACQUIRED.

REGISTERED LAND SURVEYOR, OFFICE — DATE

CODE NO: 4821
DES NO: 0200872
PROJ NO: STP-5171(015)
SHEET 5 of 55

R/W CODE: 4382

0515709



POINT	NORTH	EAST	STATION	OFFSET	LINE
115	25095.2252	30016.8822	P.I. 16+84.80		LS-2
116	25166.1191	30017.2438	P.T. 17+53.80		LS-2
117	25266.3178	30017.7549	P.O.T. 18+54.00		LS-2
123	25043.4416	29817.4309	P.T. 186+72.45		PR-A
124	25459.3437	29623.7550	P.C. 191+31.24		PR-A
125	25879.5682	29428.0664	P.I. 195+94.79		PR-A
126	26343.1104	29424.7130	P.T. 200+44.11		PR-A
127	27153.4815	28236.3598	P.O.T. 35+91.29		S-1-A
128	26751.8809	28849.7398	P.C. 43+24.45		S-1-A
129	26575.4110	29119.2691	P.I. 46+46.61		S-1-A
130	26531.8814	29423.3474	P.O.C. 49+43.49		S-1-A
131	26529.6778	29438.1674	P.T. 49+58.47		S-1-A
132	26260.1522	31317.5778	P.O.T. 68+57.11		S-1-A
134	25943.1133	31322.9478	P.C. 177+86.92		C
135	26008.0599	31322.9667	P.I. 178+49.87		C
136	26063.7054	31297.6827	P.R.C. 179+11.02		C
137	26142.6623	31263.0512	P.I. 179+97.24		C
138	26227.9584	31275.6250	P.T. 180+78.93		C
139	26265.3776	31281.1410	P.O.T. 181+16.75		C
140	26765.8831	29421.6546	P.C. 204+66.89		PR-A
141	27035.3944	29419.7049	P.I. 207+36.41		PR-A
142	27304.4093	29403.2409	P.T. 210+05.80		PR-A
143	27482.2084	29392.3594	P.C. 211+83.93		PR-A
144	27745.8428	29376.2247	P.I. 214+48.06		PR-A
145	28009.9635	29374.3139	P.T. 217+12.06		PR-A
146	28161.4360	29373.2181	P.C. 218+63.54		PR-A
147	28901.6471	29367.8632	P.I. 226+03.77		PR-A
233	26447.0033	30014.6594	P.O.T. 200+46.91		A
802	25148.1550	30033.4270			
806	26447.6310	30023.0990			
901	27276.2310	30014.8091	P.I. 208+76.14		A
1010	27245.4856	27379.8786			

CROSS-REFERENCE:
This is a corrected plat of the Location Control Route Survey Plat recorded May 21, 2004 as Instrument No. 0424435 (incorporated herein by reference) in the Office of the St. Joseph County Recorder. Revisions and additions to said recorded Route Survey Plat are highlighted thus:

STATE ROAD 331

PREPARED BY
AMERICAN CONSULTING, INC.
Architects Consultants Engineers
7260 SHADELAND STATION
INDIANAPOLIS, IN 46256
(317) 547-5580 FAX: (317) 543-0270
AMERICAN CONSULTING, INC. PROJECT IN20010700

FIELD SURVEYOR STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF ANY NEW PARCELS TO BE ACQUIRED OR THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.

4-12-05
REGISTERED LAND SURVEYOR, FIELD — DATE

MICHAEL L. BISHOP REGISTERED No. S0511 STATE OF INDIANA LAND SURVEYOR

INDIANA DEPARTMENT OF TRANSPORTATION

LOCATION CONTROL ROUTE SURVEY PLAT

SURVEY STARTED	STRUCTURE NO.	DES. NO.
		9804320

SURVEY COMPLETED	PROJECT NO.	YEAR	SHEET	TOTAL
	STP-S870(011)		2	5

OFFICE SURVEYOR STATEMENT

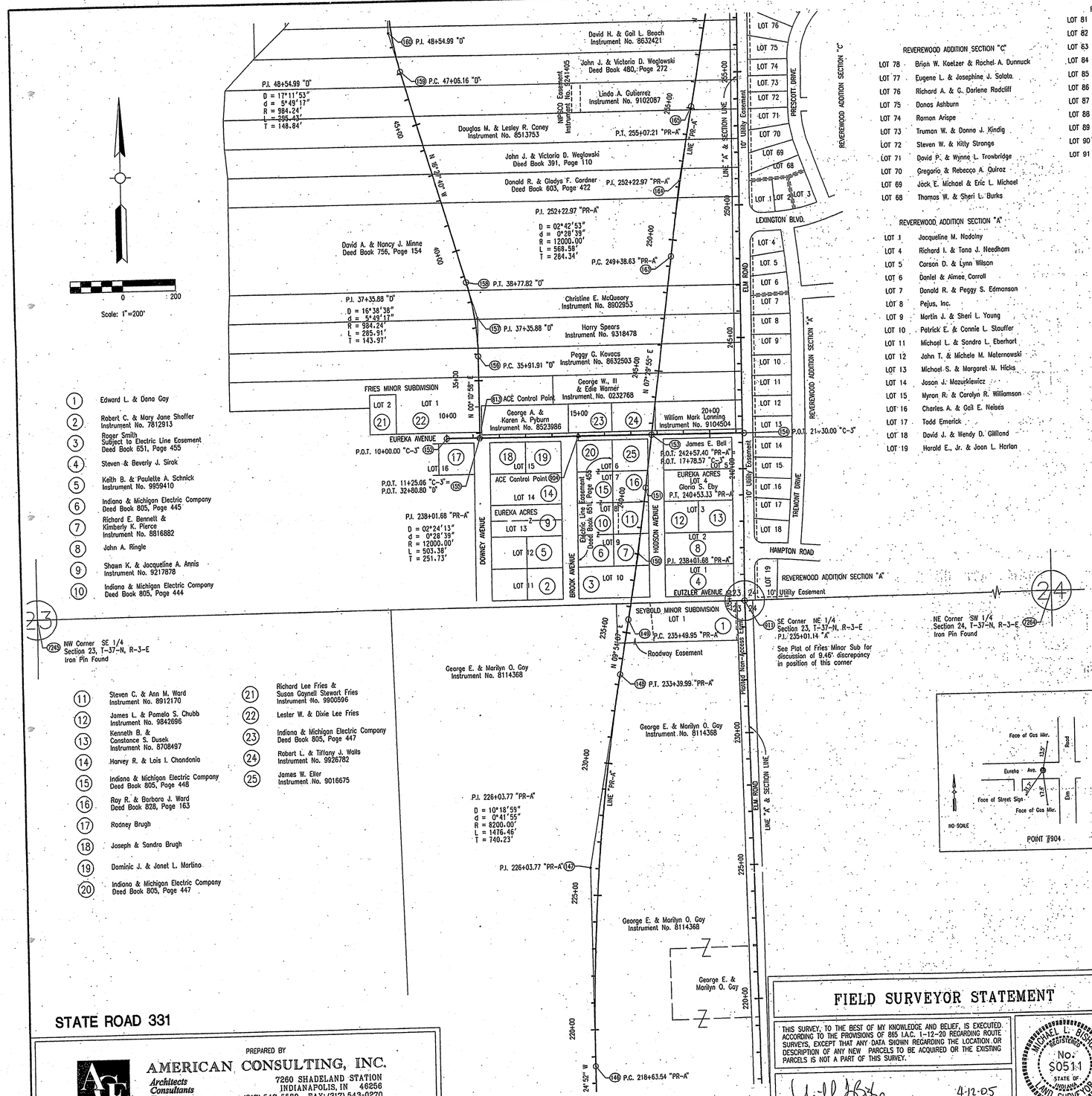
THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 REGARDING ROUTE SURVEYS, COVERING ONLY THE REQUIRED LOCATION OR DESCRIPTION OF ANY NEW PARCELS TO BE ACQUIRED.

REGISTERED LAND SURVEYOR, OFFICE — DATE

R/W CODE: 4382

0515708

CODE NO: 4821
DES NO: 0200872
PROJ NO: STP-5171(015)
SHEET 6 of 55



1. Edward L. & Dana Gay
2. Robert C. & Mary Jane Shaffer Instrument No. 7812913
3. Roger Smith Subject to Electric Line Easement Deed Book 651, Page 455
4. Steven & Beverly J. Sirok
5. Keith B. & Paulette A. Schnick Instrument No. 9959410
6. Indiana & Michigan Electric Company Deed Book 805, Page 445
7. Richard E. Bennett & Kimberly K. Pierce Instrument No. 8816882
8. John A. Ringle
9. Shawn K. & Jacqueline A. Annis Instrument No. 9217878
10. Indiana & Michigan Electric Company Deed Book 805, Page 444
11. Steven C. & Ann M. Ward Instrument No. 8912170
12. James L. & Pamela S. Chubb Instrument No. 9842696
13. Kenneth B. & Constance S. Dusek Instrument No. 8708497
14. Harvey R. & Lois I. Chandonia
15. Indiana & Michigan Electric Company Deed Book 805, Page 446
16. Roy R. & Barbara J. Ward Deed Book 828, Page 163
17. Rodney Brugh
18. Joseph & Sandra Brugh
19. Dominic J. & Janet L. Martino
20. Indiana & Michigan Electric Company Deed Book 805, Page 447
21. Richard Lee Fries & Susan Gaynell Stewart Fries Instrument No. 9905596
22. Lester W. & Dixie Lee Fries
23. Indiana & Michigan Electric Company Deed Book 805, Page 447
24. Robert L. & Tiffany J. Walls Instrument No. 9926782
25. James W. Eller Instrument No. 9016675

REVEREWOOD ADDITION SECTION "C"

LOT 78 Brian W. Kaetzer & Rachel A. Dunnuck
LOT 77 Eugene L. & Josephine J. Solata
LOT 76 Richard A. & G. Darlene Radcliff
LOT 75 Donas Ashburn
LOT 74 Roman Arispe
LOT 73 Truman W. & Donna J. Kindig
LOT 72 Steven W. & Kitty Strange
LOT 71 David P. & Wynne L. Trowbridge
LOT 70 Gregorio & Rebecca A. Quiroz
LOT 69 Jack E. Michael & Eric L. Michael
LOT 68 Thomas W. & Sheri L. Burks

REVEREWOOD ADDITION SECTION "A"

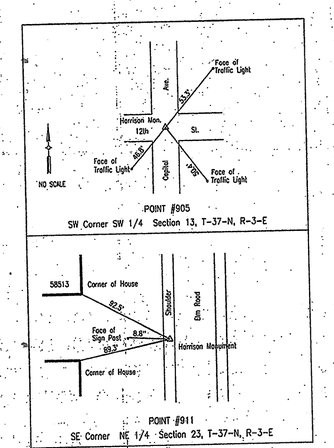
LOT 1 Jacqueline M. Nadolny
LOT 4 Richard I. & Tana J. Needham
LOT 5 Carson D. & Lynn Wilson
LOT 6 Daniel & Aimee Carroll
LOT 7 Donald R. & Peggy S. Edmonson
LOT 8 Pejus, Inc.
LOT 9 Martin J. & Sheri L. Young
LOT 10 Patrick E. & Connie L. Stauffer
LOT 11 Michael L. & Sandra L. Eberhart
LOT 12 John T. & Michele M. Maternowski
LOT 13 Michael S. & Margaret M. Hicks
LOT 14 Jason J. Mazurkiewicz
LOT 15 Myron R. & Carolyn R. Williamson
LOT 16 Charles A. & Gail E. Neises
LOT 17 Todd Emerick
LOT 18 David J. & Wendy D. Gilliland
LOT 19 Harold E., Jr. & Joan L. Harlan

REVEREWOOD ADDITION SECTION "C"

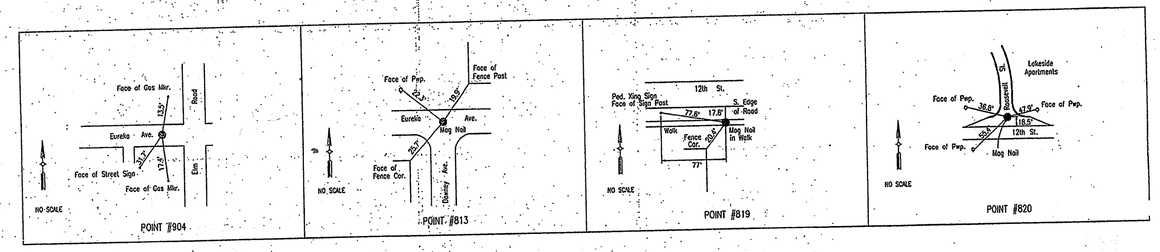
LOT 81 Michael E. Coen
LOT 82 Susan I. Santa
LOT 83 Dale E. Moupin
LOT 84 Dominic & Betty M. Trimboli
LOT 85 Timothy E. & Mary M. Ryan
LOT 86 Donald V. & Janet M. Switalski
LOT 87 E. Michael & Vicki Lyvers
LOT 88 Richard A. & Nancy M. Fenimore
LOT 89 David J. Prater & Kay M. Murphy
LOT 90 Christopher S. Bridegroom & Theresa Pozsgai
LOT 91 Daniel C. & Therese F. Grocki

REVEREWOOD ADDITION SECTION "E"

LOT 260 Mark A. & Jane M. Long
LOT 259 Brian Hellman & Jessica K. Cox
LOT 258 Don K., II & Carol A. Wormoth
LOT 257 David A. & Susan M. Inwood
LOT 256 Kyle D. Myers



POINT	NORTH	EAST	STATION	OFFSET	LINE
147	28901.6471	29367.8632	P.I. 226+03.77		A
148	29630.8507	29495.1552	P.T. 233+39.99		A
149	29837.6779	29531.2597	P.C. 235+49.95		A
150	30085.6667	29574.5476	P.I. 238+01.68		A
151	30335.2327	29607.3982	P.T. 240+53.33		A
152	30540.0400	28855.4660	P.O.T. 10+00.00		C-3
153	30537.5566	29634.0291	P.O.T. 17+78.57		C-3
154	30536.4357	29985.4603	P.O.T. 21+30.00		C-3
155	30539.6411	28980.5232	P.O.T. 32+80.80		D
156	30850.7462	28981.5155	P.C. 35+91.91		D
157	30994.7155	28981.9747	P.I. 37+35.88		D
158	31132.7846	28941.1786	P.T. 38+77.82		D
159	31927.1701	28706.4570	P.C. 47+06.16		D
160	32069.9049	28664.2823	P.I. 48+54.99		D
161	32218.7278	28666.1965	P.T. 50+01.59		D
162	32530.7663	28670.2101	P.O.T. 53+13.65		D
163	31212.9615	29722.9296	P.C. 249+38.63		A
164	31494.8718	29760.0362	P.I. 252+22.97		A
165	31774.7081	29810.4534	P.T. 255+07.21		A
166	32528.8739	28151.9324	P.O.T. 69+61.75		S-2-A
167	32529.5986	28351.9311	P.I. 71+61.75		S-2-A
168	32535.4522	29947.5143	P.O.T. 87+57.34		S-2-A
170	32539.8536	31801.1525	P.O.T. 106+10.99		S-2-A
813	30540.2520	28979.8600			
819	32507.6580	30745.2690			
820	32546.2820	28822.0990			
904	30539.9950	29355.4400			
905	32535.6580	29992.5511	P.I. 261+35.94		A
911	29900.9196	29974.5452	P.I. 235+01.14		A
7241	32525.3744	27377.8308			
7245	29891.6432	27282.7437			
7264	29935.4710	32653.8540			



CROSS-REFERENCE:

This is a corrected plat of the Location Control Route Survey Plat recorded May 21, 2004 as Instrument No. 0424435 (incorporated herein by reference) in the Office of the St. Joseph County Recorder. Revisions and additions to said recorded Route Survey Plat are highlighted thus:

STATE ROAD 331

PREPARED BY

AMERICAN CONSULTING, INC.
Architects Consultants Engineers
7260 SHADELAND STATION
INDIANAPOLIS, IN 46256
(317) 547-5580 FAX: (317) 543-0270

AMERICAN CONSULTING, INC. PROJECT IN20010700

FIELD SURVEYOR STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF ANY NEW PARCELS TO BE ACQUIRED OR THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.

4-12-05

REGISTERED LAND SURVEYOR, FIELD — DATE

REGISTERED MICHAEL L. BISHOP No. S0511 STATE OF INDIANA LAND SURVEYOR

INDIANA DEPARTMENT OF TRANSPORTATION

LOCATION CONTROL ROUTE SURVEY PLAT

SURVEY STARTED	STRUCTURE NO.	DES. NO.			
		9804320			
SURVEY COMPLETED	PROJECT NO.	YEAR	SHEET	TOTAL	
	STP-S870(011)		3	5	

OFFICE SURVEYOR STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 REGARDING ROUTE SURVEYS, COVERING ONLY THE REQUIRED LOCATION OR DESCRIPTION OF ANY NEW PARCELS TO BE ACQUIRED.

REGISTERED LAND SURVEYOR, OFFICE — DATE

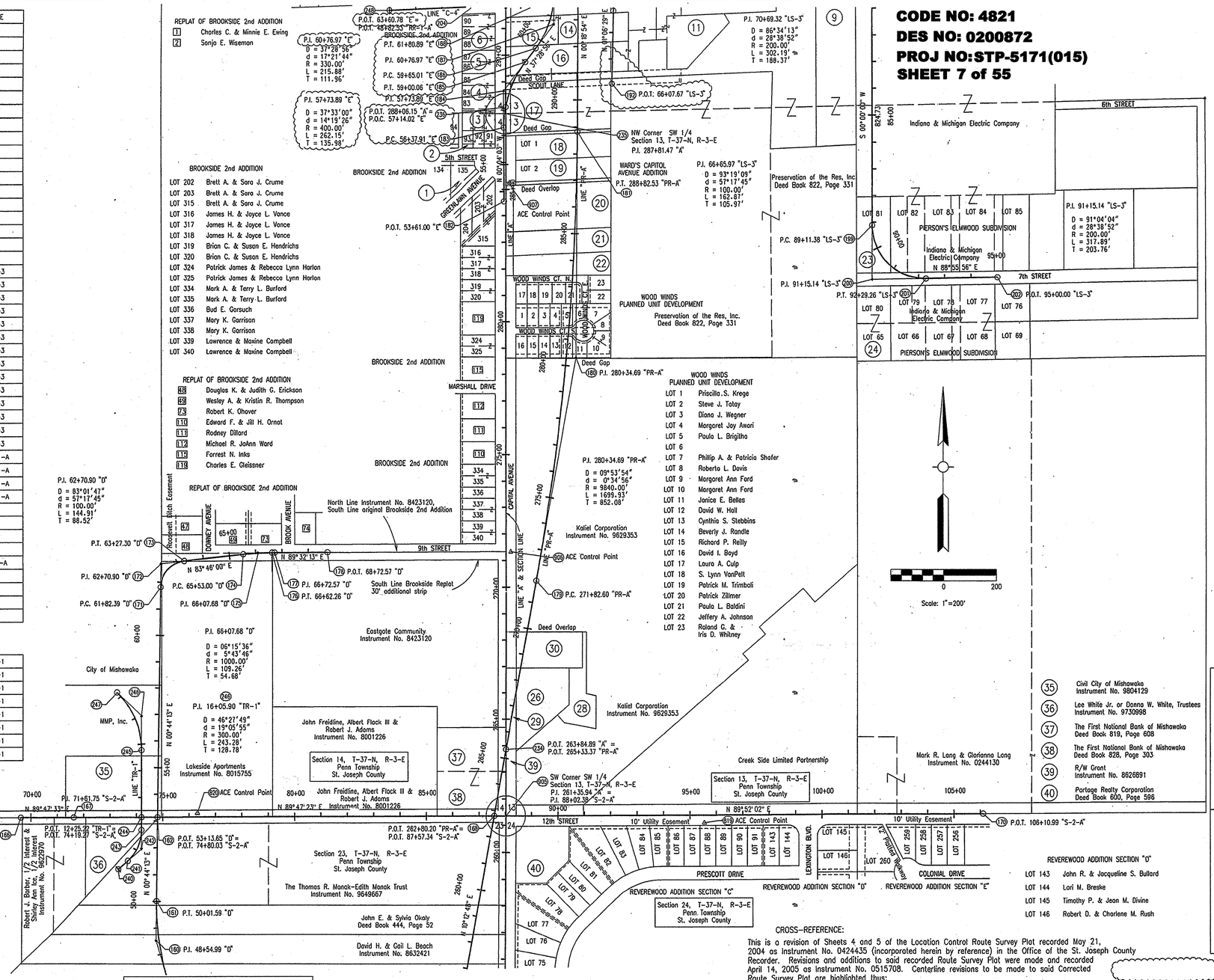
R/W CODE: 4382

CODE NO: 4821
DES NO: 0200872
PROJ NO:STP-5171(015)
SHEET 7 of 55

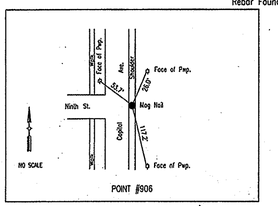
POINT	NORTH	EAST	STATION	OFFSET	LINE
171	33399.4278	28681.3832	P.C. 61+82.39		D
172	33487.9392	28682.5217	P.I. 62+70.90		D
173	33497.5504	28770.5171	P.T. 63+27.30		D
174	33522.0562	28994.8799	P.C. 65+53.00		D
175	33527.9936	29049.2400	P.I. 66+07.68		D
176	33527.9682	29103.9234	P.T. 66+62.26		D
177	33527.9634	29114.2400	P.I. 66+72.57		D
178	33529.5800	29314.2335	P.O.T. 68+72.57		D
179	33423.5529	30107.5206	P.C. 271+82.60		A
180	34262.1352	30258.6054	P.I. 280+34.69		A
181	35114.2062	30263.2899	P.T. 288+82.53		A
182	34853.2975	29984.1830	P.O.T. 53+61.00		E
183	35130.2100	29983.8565	P.C. 56+37.91		E
184	35266.1858	29983.6962	P.I. 57+73.89		E
185	35374.0883	30066.4398	P.T. 59+00.06		E
186	35425.6293	30105.9633	P.C. 59+66.73		E
187	35514.4766	30174.0947	P.I. 60+78.69		E
188	35626.4397	30174.0947	P.T. 61+82.61		E
189					LS-3
190					LS-3
191					LS-3
192	35292.0073	30394.3424	P.O.T. 66+07.67		LS-3
193	35565.2340	30399.6270	P.C. 68+80.95		LS-3
194	35753.5713	30403.2698	P.I. 70+69.32		LS-3
195	35761.2022	30591.4877	P.T. 71+83.13		LS-3
196	35784.7485	31172.2582	P.C. 77+64.38		LS-3
197	35793.1855	31380.3601	P.I. 79+72.65		LS-3
198	35584.9126	31380.3601	P.T. 80+86.64		LS-3
199	34760.1796	31380.3601	P.C. 89+11.38		LS-3
200	34556.4176	31380.3601	P.I. 91+15.14		LS-3
201	34560.2144	31584.0867	P.T. 92+29.26		LS-3
202	34565.2590	31854.7770	P.O.T. 95+00.00		LS-3
203	35628.7955	25795.1655	P.O.T. 5+00.00		RR-1-A
204	35806.3308	30174.0947	P.O.T. 48+82.53		RR-1-A
205	35810.1021	30267.1157	P.O.T. 49+75.62		RR-1-A
206	35973.1288	34288.1882	P.O.T. 90+00.00		RR-1-A
234	32784.6118	29992.4046	P.O.T. 263+84.89		A
235	35181.1866	29990.9949	P.I. 287+81.47		A
236	35205.8702	29990.9864	P.O.T. 288+06.15		A
237	35798.8988	29990.7825	P.O.T. 293+99.18		A
905	32535.6580	29992.5511	P.I. 88+02.38		S-2-A
906	33532.1340	30010.7770			
907	34922.6720	30005.3940			
908	35819.0920	30005.2750			
909	35822.0810	31056.4120			

CENTERLINE DATA FOR LINE TR-1

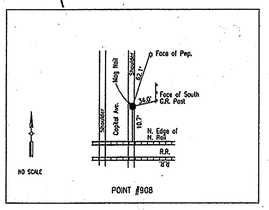
240	32337.2421	28521.2192	P.O.T. 10+00.00		TR-1
241	32368.0414	28557.1195	P.C. 10+47.30		TR-1
242	32412.9366	28609.4504	P.I. 11+16.25		TR-1
243	32481.8867	28609.4504	P.T. 11+76.56		TR-1
244	32530.5434	28609.4504	P.O.T. 12+25.22		TR-1
245	32782.4499	28609.4504	P.C. 14+77.13		TR-1
246	32911.2272	28609.4504	P.I. 16+05.90		TR-1
247	32999.9309	28516.0951	P.T. 17+20.41		TR-1



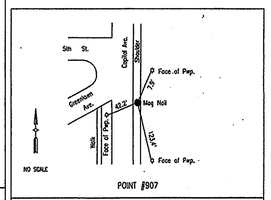
1 William H. & Lorraine Sue Cochran
2 Edna I. Bocewic Instrument No. 9624567
3 Irvin E. & Genevieve M. Rulkowski Instrument No. 7805571
4 Herbert & Dorothy Quoyle
5 Stephen J. Mikulak
6 Rodney W. & Sheila A. Johnson
7 Donald G. Misch, Walter H. Misch, Jr. & William King Co. Partners
8 Donald G. Misch & Walter H. Misch, Jr.
9 Daniel W. Richardson, Sr. Instrument No. 8608915
10 Michele L. Kozuch Instrument No. 0148491
11 Geoffrey & Margaret Snyder Instrument No. 9855913
12 Preservation of the Res, Inc. Instrument No. 9004486
13 Larry & Jennie Lee Penrose Deed Book 646, Page 126
14 William E. & Anna E. Wimberly Burnett Instrument No. 7827119
15 David A. & Doreen A. Behnke Instrument No. 8718720
16 Hugh L. & Nellie J. Bowers Instrument No. 7916861
17 David M. & Sally M. Molnar Instrument No. 8528414
18 Jonathan & Allison Robinette
19 Terry L. & Candy M. Rich
20 Jeffrey M. Jennings Instrument No. 9440845
21 David C. Courtney Instrument No. 9213712
22 Lawrence & Aniela K. Barreth Instrument No. 8718115
23 Eugene W. & Cheri D. Johnson
24 John L. & Jennifer A. Jacobs Instrument No. 0137978
25 Civil City of Mishawaka Instrument No. 9804129
26 B & R Oil Co., Inc. Instrument No. 9200869
27 The First National Bank of Mishawaka Deed Book 819, Page 608
28 Albert C. Lane, Allan D. Sexton, Larry G. Stewart & David L. Gildersleeve Instrument No. 8627168
29 R/W Grant Instrument No. 8626891
30 Larry G. Stewart Instrument No. 8626234 Instrument No. 8627170
35 Civil City of Mishawaka Instrument No. 9804129
36 Lee White Jr. or Donna W. White, Trustees Instrument No. 9730998
37 The First National Bank of Mishawaka Deed Book 819, Page 608
38 The First National Bank of Mishawaka Deed Book 828, Page 303
39 R/W Grant Instrument No. 8626891
40 Portage Realty Corporation Deed Book 600, Page 596



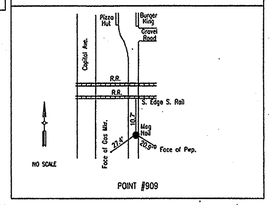
POINT #906



POINT #908



POINT #907



POINT #909

STATE ROAD 331

CROSS-REFERENCE:
This is a revision of Sheets 4 and 5 of the Location Control Route Survey Plat recorded May 21, 2004 as Instrument No. 0424435 (incorporated herein by reference) in the Office of the St. Joseph County Recorder. Revisions and additions to said recorded Route Survey Plat were made and recorded April 14, 2005 as Instrument No. 0515708. Centerline revisions to be made to said Corrected Route Survey Plat are highlighted thus:

PREPARED BY
AMERICAN CONSULTING, INC.
Architects Consultants Engineers
7260 SHADELAND STATION
INDIANAPOLIS, IN 46256
(317) 547-5580 FAX: (317) 543-0270
AMERICAN CONSULTING, INC. PROJECT IN20010700

FIELD SURVEYOR STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF ANY NEW PARCELS TO BE ACQUIRED OR THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.

10-21-05

REGISTERED LAND SURVEYOR, FIELD — DATE

REGISTERED MICHAEL L. BISHOP No. S0511 STATE OF INDIANA LAND SURVEYOR

INDIANA DEPARTMENT OF TRANSPORTATION

LOCATION CONTROL ROUTE SURVEY PLAT

SURVEY STARTED	STRUCTURE NO.	DES. NO.
		9804320

SURVEY COMPLETED	PROJECT NO.	YEAR	SHEET	TOTAL
	STP-S870(011)		4	5

OFFICE SURVEYOR STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 REGARDING ROUTE SURVEYS, COVERING ONLY THE REQUIRED LOCATION OR DESCRIPTION OF ANY NEW PARCELS TO BE ACQUIRED.

REGISTERED LAND SURVEYOR, OFFICE — DATE

CODE NO: 4821
DES NO: 0200872
PROJ NO: STP-5171(015)
SHEET 8 of 55

R/W CODE: 4382

CROSS-REFERENCE:

This is a revision of Sheets 4 and 5 of the Location Control Route Survey Plat recorded May 21, 2004 as Instrument No. 0424435 (incorporated herein by reference) in the Office of the St. Joseph County Recorder. Revisions and additions to said recorded Route Survey Plat were made and recorded April 14, 2005 as Instrument No. 0515708. Centerline revisions to be made to said Corrected Route Survey Plat are highlighted thus:

POINT	NORTH	EAST	STATION	OFFSET	LINE
207	35922.4895	30174.0947	P.C. 64+76.94		E
208	36035.3377	30174.0947	P.I. 65+89.79		E
209	36124.5563	30104.9950	P.T. 66+94.41		E
210	36169.1104	30070.4879	P.C. 67+50.77		E
211	36277.6910	29986.3924	P.I. 68+88.10		E
212	36415.0289	29986.7320	P.T. 70+15.35		E
213	36676.9448	29987.3795	P.O.T. 72+77.27		E
215	36505.7348	30270.9402	P.I. 302+74.08		A
216	37186.5649	30157.0144	P.T. 309+61.00		A
217	37872.7917	30042.1855	P.O.T. 316+56.77		A
218	36813.4837	28950.7334	P.O.T. 306+70.73		S-3-A
219	36799.7019	29150.2580	P.I. 308+70.73		S-3-A
220	36797.9434	29176.0671	P.C. 308+96.60		S-3-A
221	36786.7865	29339.8195	P.I. 310+60.73		S-3-A
222	36759.3379	29501.6402	P.T. 312+24.59		S-3-A
223	36635.8395	30229.7119	P.O.T. 319+63.06		S-3-A
224	36531.4165	30845.3260	P.C. 325+87.47		S-3-A
225	36452.4388	31310.9306	P.I. 330+59.72		S-3-A
226	36508.0218	31779.9036	P.T. 335+25.53		S-3-A
227	36525.4858	31927.2523	P.O.T. 336+73.91		S-3-A
228	36539.3550	30798.5258	P.O.T. 10+00.00		LS-4
229	36623.1579	30812.7408	P.C. 10+85.00		LS-4
230	36647.8058	30816.9217	P.I. 11+10.00		LS-4
231	36651.9867	30792.2738	P.T. 11+24.27		LS-4
232	36704.6289	30481.9275	P.C. 14+39.05		LS-4
237	35798.8988	29990.7825	P.O.T. 293+99.18		A
238	36339.4331	29990.5966	P.O.T. 299+39.72		A
239	36676.4188	29990.4807	P.O.T. 302+76.70		A
830	36813.8180	31326.6550			
831	36448.9920	30760.5940			
832	36782.1550	30161.5800			
908	35819.0920	30005.2750			
909	35822.0810	31056.4120			
910	37088.3100	30155.2290			
260	36716.7510	30410.4634	P.I. 15+11.53		LS-4
261	36788.4397	30399.7494	P.T. 15+64.49		LS-4
262	37072.9106	30357.2349	P.O.T. 18+52.12		LS-4

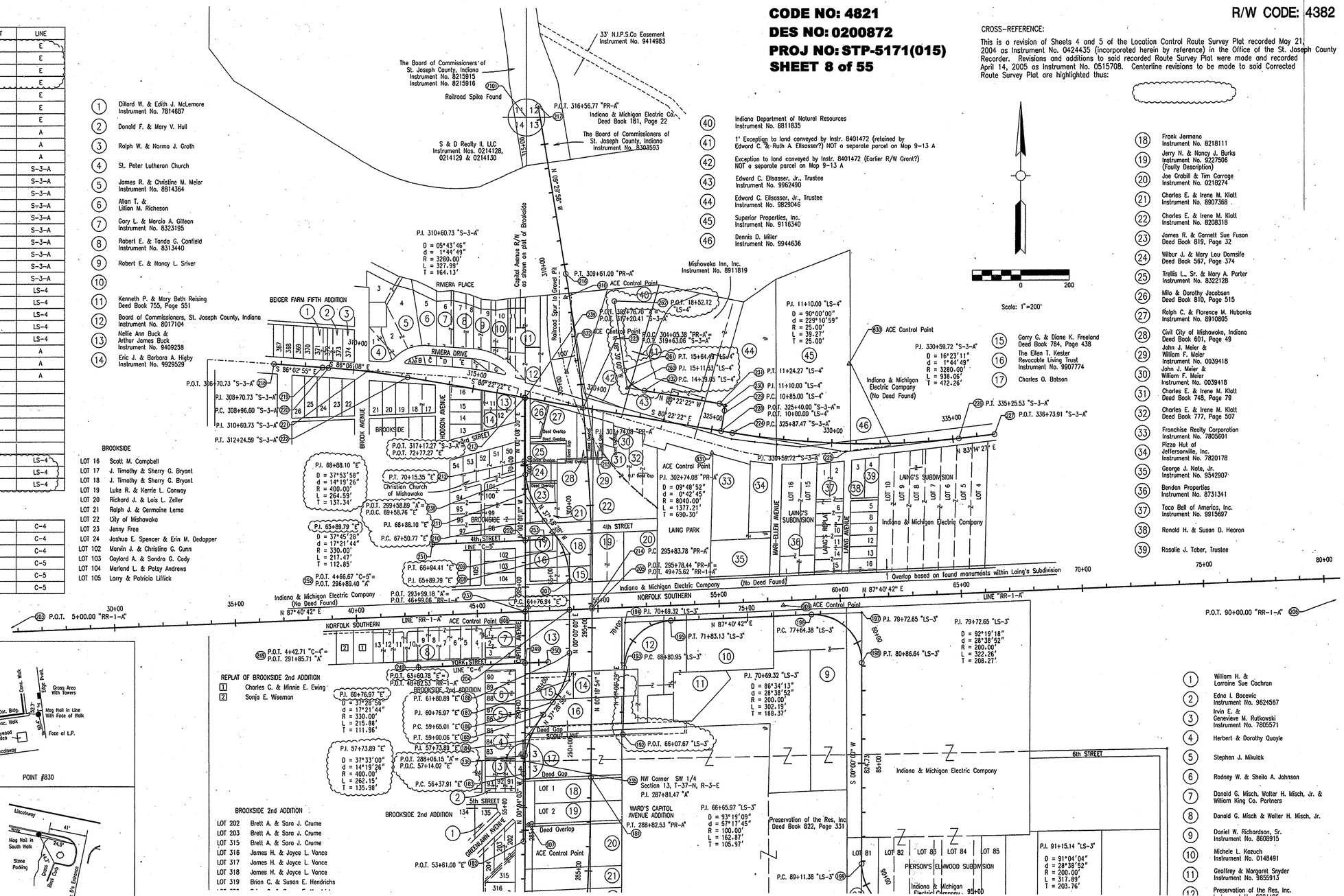
CENTERLINE DATA FOR LINES C-4 & C-5

248	35567.7055	29548.5037	P.O.T. 0+00.00		C-4
249	35585.4299	29990.8559	P.O.T. 4+42.71		C-4
250	35589.2505	30086.2096	P.O.T. 5+38.14		C-4
251	36072.8742	29604.5996	P.O.T. 0+00.00		C-5
252	36089.1184	29990.6827	P.O.T. 3+86.42		C-5
253	36092.4916	30070.8556	P.O.T. 4+66.67		C-5

1. Dillard W. & Edith J. McLemore, Instrument No. 7814687
2. Donald F. & Mary V. Hull
3. Ralph W. & Norma J. Groth
4. St. Peter Lutheran Church
5. James R. & Christine M. Meier, Instrument No. 8814364
6. Allan T. & Lillian M. Richeson
7. Gary L. & Marcia A. Gillean, Instrument No. 8323195
8. Robert E. & Tonda G. Canfield, Instrument No. 8313440
9. Robert E. & Nancy L. Sriver
10.
11. Kenneth P. & Mary Beth Reising, Deed Book 755, Page 551
12. Board of Commissioners, St. Joseph County, Indiana, Instrument No. 8017104
13. Nellie Ann Buck & Arthur James Buck, Instrument No. 9409258
14. Eric J. & Barbara A. Higby, Instrument No. 9929529

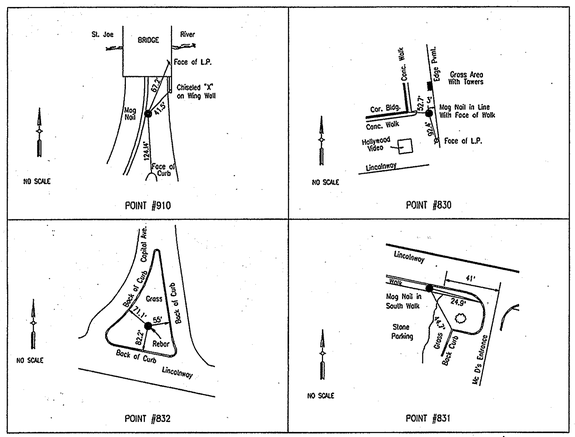
BROOKSIDE

LOT 16 Scott M. Campbell
LOT 17 J. Timothy & Sherry G. Bryant
LOT 18 J. Timothy & Sherry G. Bryant
LOT 19 Luke R. & Kerrie L. Conway
LOT 20 Richard J. & Lois L. Zeller
LOT 21 Ralph J. & Germaine Lema
LOT 22 City of Mishawaka
LOT 23 Jenny Free
LOT 24 Joshua E. Spencer & Erin M. Dedopper
LOT 102 Marvin J. & Christina G. Gunn
LOT 103 Gaylord A. & Sandra G. Cody
LOT 104 Merland L. & Patsy Andrews
LOT 105 Larry & Patricia Liffick



15. Garry G. & Diane K. Freeland, Deed Book 784, Page 438
16. The Ellen T. Kesler Revocable Living Trust, Instrument No. 9907774
17. Charles O. Batson
18. Frank Jermano, Instrument No. 8218111
19. Jerry N. & Nancy J. Burks, Instrument No. 9227506 (Faulty Description)
20. Joe Grabill & Tim Carrage, Instrument No. 0218274
21. Charles E. & Irene M. Klott, Instrument No. 8907368
22. Charles E. & Irene M. Klott, Instrument No. 8208318
23. James R. & Garnett Sue Fuson, Deed Book 819, Page 32
24. Wilbur J. & Mary Lou Dornsife, Deed Book 567, Page 374
25. Trellis L., Sr. & Mary A. Porter, Instrument No. 8322128
26. Milo & Dorothy Jacobsen, Deed Book 810, Page 515
27. Ralph C. & Florence M. Hubanks, Instrument No. 8910805
28. Civil City of Mishawaka, Indiana, Deed Book 601, Page 49
29. John J. Meier & William F. Meier, Instrument No. 0039418
30. John J. Meier & William F. Meier, Instrument No. 0039418
31. Charles E. & Irene M. Klott, Deed Book 748, Page 79
32. Charles E. & Irene M. Klott, Deed Book 777, Page 507
33. Franchise Realty Corporation, Instrument No. 7805601
34. Pizza Hut of Jeffersonville, Inc., Instrument No. 7820178
35. George J. Nate, Jr., Instrument No. 9542907
36. Bendon Properties, Instrument No. 8731341
37. Taco Bell of America, Inc., Instrument No. 9915697
38. Ronald H. & Susan D. Hearon
39. Rosalie J. Taber, Trustee
40. Indiana Department of Natural Resources, Instrument No. 8811835
41. 1' Exception to land conveyed by Instr. 8401472 (retained by Edward C. & Ruth A. Ellsasser?) NOT a separate parcel on Map 9-13 A
42. Exception to land conveyed by Instr. 8401472 (Earlier R/W Grant?) NOT a separate parcel on Map 9-13 A
43. Edward C. Ellsasser, Jr., Trustee, Instrument No. 9962490
44. Edward C. Ellsasser, Jr., Trustee, Instrument No. 9829046
45. Superior Properties, Inc., Instrument No. 9116340
46. Dennis D. Miller, Instrument No. 9944636

1. William H. & Lorraine Sue Cochran
2. Edna I. Bocevic, Instrument No. 9624567
3. Irvin E. & Genevieve M. Rutkowski, Instrument No. 7805571
4. Herbert & Dorothy Quayle
5. Stephen J. Mikulak
6. Rodney W. & Sheila A. Johnson
7. Donald G. Misch, Walter H. Misch, Jr. & William King Co. Partners
8. Donald G. Misch & Walter H. Misch, Jr.
9. Daniel W. Richardson, Sr., Instrument No. 8608915
10. Michele L. Kozuch, Instrument No. 0148491
11. Geoffrey & Margaret Snyder, Instrument No. 9855913
12. Preservation of the Res, Inc.



PREPARED BY
AMERICAN CONSULTING, INC.
Architects Consultants Engineers
7260 SHADELAND STATION
INDIANAPOLIS, IN 46256
(317) 547-5580 FAX: (317) 543-0270
AMERICAN CONSULTING, INC. PROJECT IN20010700

STATE ROAD 331

FIELD SURVEYOR STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF ANY NEW PARCELS TO BE ACQUIRED OR THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.

10-21-05
REGISTERED LAND SURVEYOR, FIELD — DATE

MICHAEL L. BISHOP REGISTERED No. S0511 STATE OF INDIANA LAND SURVEYOR

INDIANA DEPARTMENT OF TRANSPORTATION

LOCATION CONTROL ROUTE SURVEY PLAT

SURVEY STARTED	STRUCTURE NO.	DES. NO.
		9804320

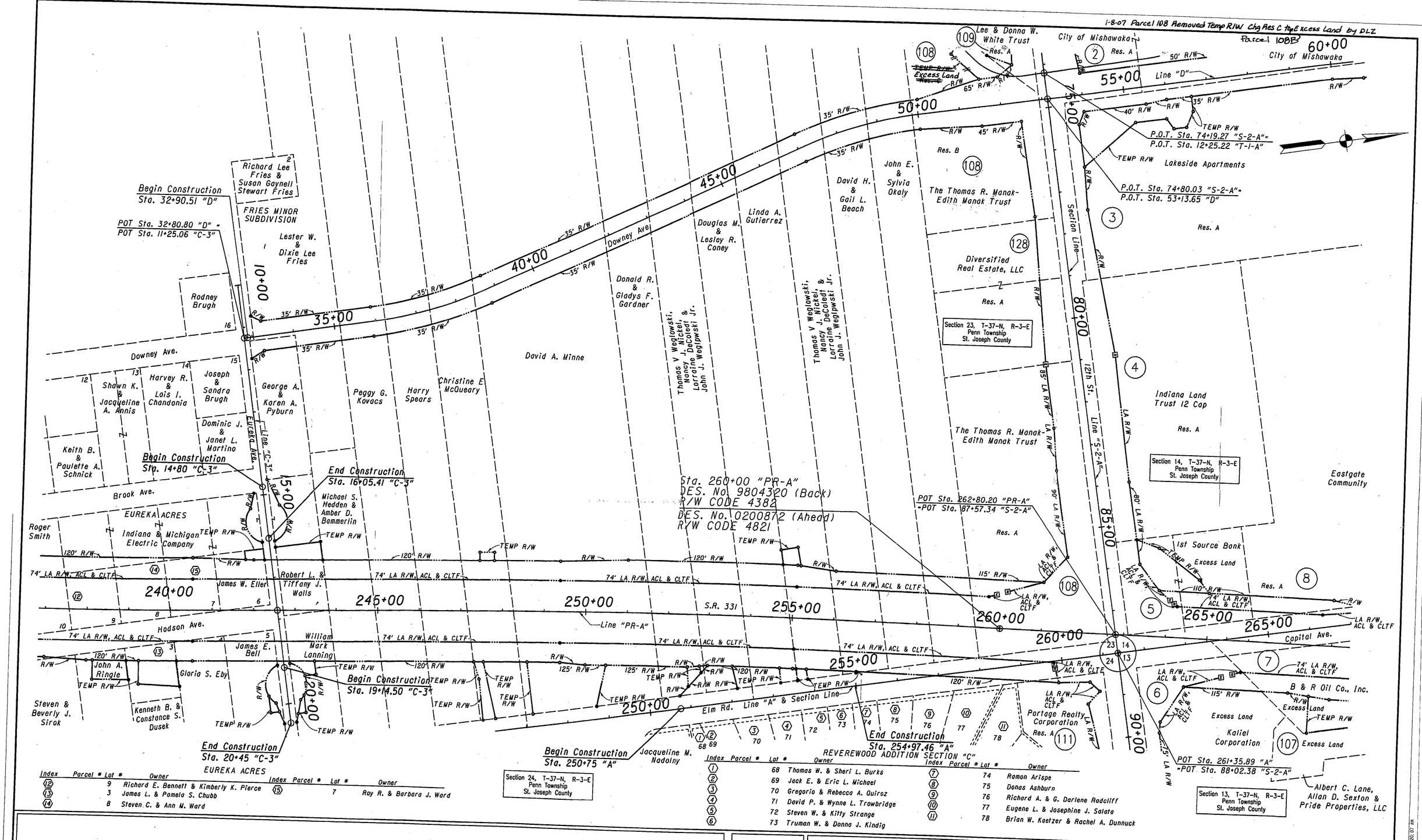
SURVEY COMPLETED	PROJECT NO.	YEAR	SHEET	TOTAL
	STP-S870(011)		5	5

OFFICE SURVEYOR STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 REGARDING ROUTE SURVEYS, COVERING ONLY THE REQUIRED LOCATION OR DESCRIPTION OF ANY NEW PARCELS TO BE ACQUIRED.

REGISTERED LAND SURVEYOR, OFFICE — DATE

1-8-07 Parcel 108 Removed Temp R/W Chg Res C to Excess Land by DLZ



RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: NJB DRAWN: EAK

CHECKED: MJK CHECKED: MJK

INDIANA DEPARTMENT OF TRANSPORTATION

PLAT No. 1

HORIZONTAL SCALE 1"= 100'	BRIDGE FILE
VERTICAL SCALE	DESIGNATION NO. 0200872
SURVEY BOOK	SHEETS 9 of 55
CONTRACT	PROJECT NO. STP-5171(015)

R/W CODE:4821

$USER $DATE$ $FILE$ $TIME$

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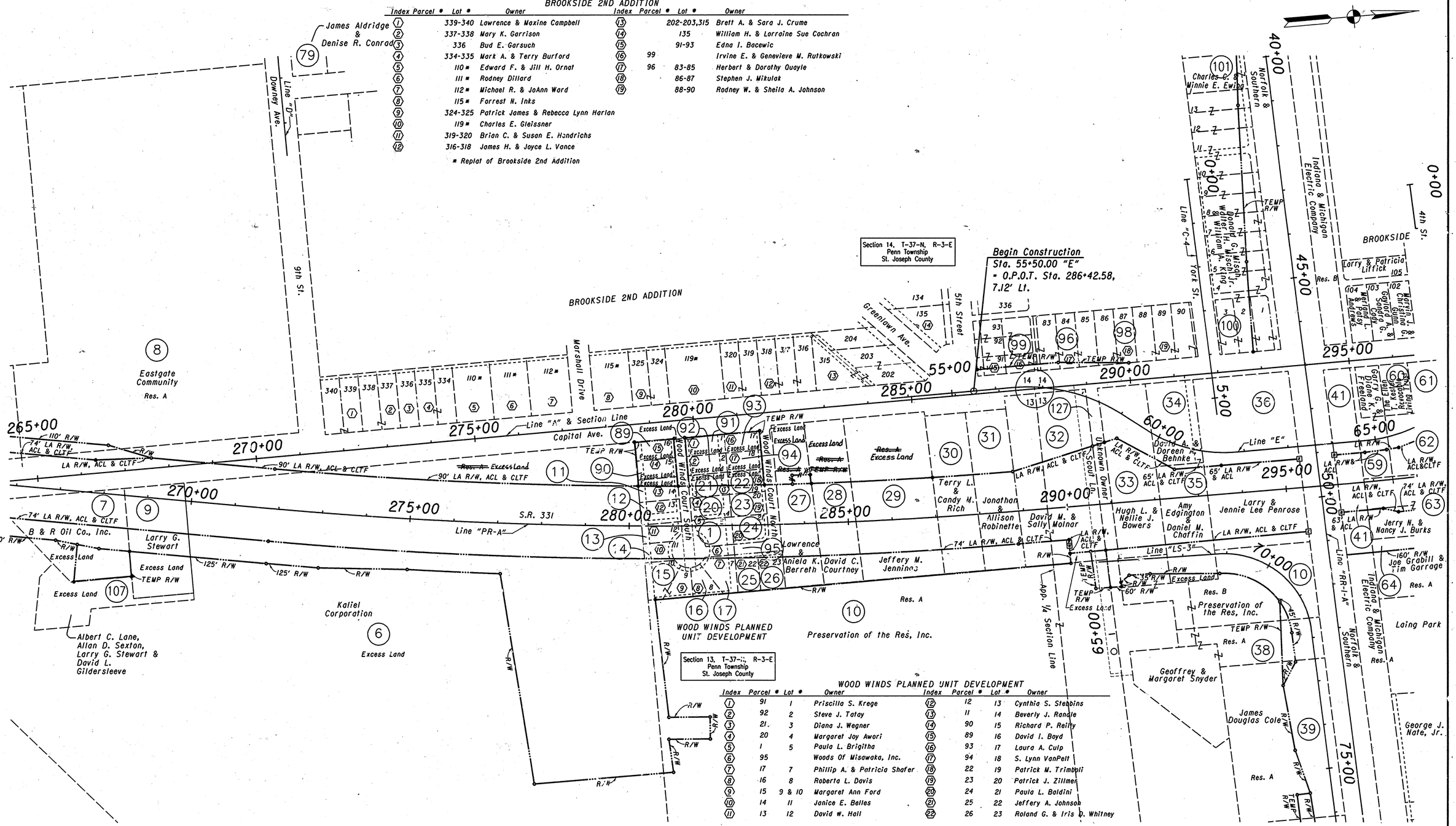
8-22-61 P.6 Rev. Res to Excess Land by DLZ 5-15-07 P.29 Rev. Res to Excess Land by DLZ 3-23-07 P.28 Rev. Res to Excess Land by DLZ 1-29-07 P.27 Rev. Res to Excess Land, Elim. Temp by DLZ

BROOKSIDE 2ND ADDITION

Index	Parcel #	Lot #	Owner
1		339-340	Lawrence & Maxine Campbell
2		337-338	Mary K. Garrison
3		336	Bud E. Garsuch
4		334-335	Mark A. & Terry Burford
5		110*	Edward F. & Jill H. Ornat
6		111*	Rodney Dillard
7		112*	Michael R. & JoAnn Ward
8		115*	Forrest N. Inks
9		324-325	Patrick James & Rebecca Lynn Harlan
10		119*	Charles E. Gleissner
11		319-320	Brian C. & Susan E. Hendrichs
12		316-318	James H. & Joyce L. Vance
13		202-203,315	Brett A. & Sara J. Crume
14		135	William H. & Lorraine Sue Cochran
15		91-93	Edna I. Bacewic
16	99		Irvine E. & Genevieve M. Rutkowski
17	96	83-85	Herbert & Dorothy Quayle
18		86-87	Stephen J. Mikulak
19		88-90	Rodney W. & Sheila A. Johnson

* Replat of Brookside 2nd Addition



WOOD WINDS PLANNED UNIT DEVELOPMENT

Index	Parcel #	Lot #	Owner	Index	Parcel #	Lot #	Owner
1	91	1	Priscilla S. Krege	12	12	13	Cynthia S. Stebbins
2	92	2	Steve J. Tatay	13	11	14	Beverly J. Randle
3	21	3	Diana J. Wegner	14	90	15	Richard P. Reilly
4	20	4	Margaret Joy Awori	15	89	16	David I. Boyd
5	1	5	Paula L. Brigitha	16	93	17	Laura A. Culp
6	95		Woods Of Misawaka, Inc.	17	94	18	S. Lynn VanPelt
7	17	7	Phillip A. & Patricia Shafer	18	22	19	Patrick M. Trimboli
8	16	8	Roberta L. Davis	19	23	20	Patrick J. Zillmer
9	15	9 & 10	Margaret Ann Ford	20	24	21	Paula L. Baldini
10	14	11	Janice E. Belles	21	25	22	Jeffery A. Johnson
11	13	12	David W. Hall	22	26	23	Roland G. & Iris D. Whitney

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: NJB DRAWN: EAK
CHECKED: MJK CHECKED: MJK

INDIANA DEPARTMENT OF TRANSPORTATION

PLAT No. 1

HORIZONTAL SCALE	BRIDGE FILE
1"= 100'	
VERTICAL SCALE	DESIGNATION NO.
	0200872
SURVEY BOOK	SHEETS
	10 of 55
CONTRACT	PROJECT NO.
	STP-5171(015)

R/W CODE:4821

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$DATE
$FILE$
$TIME$

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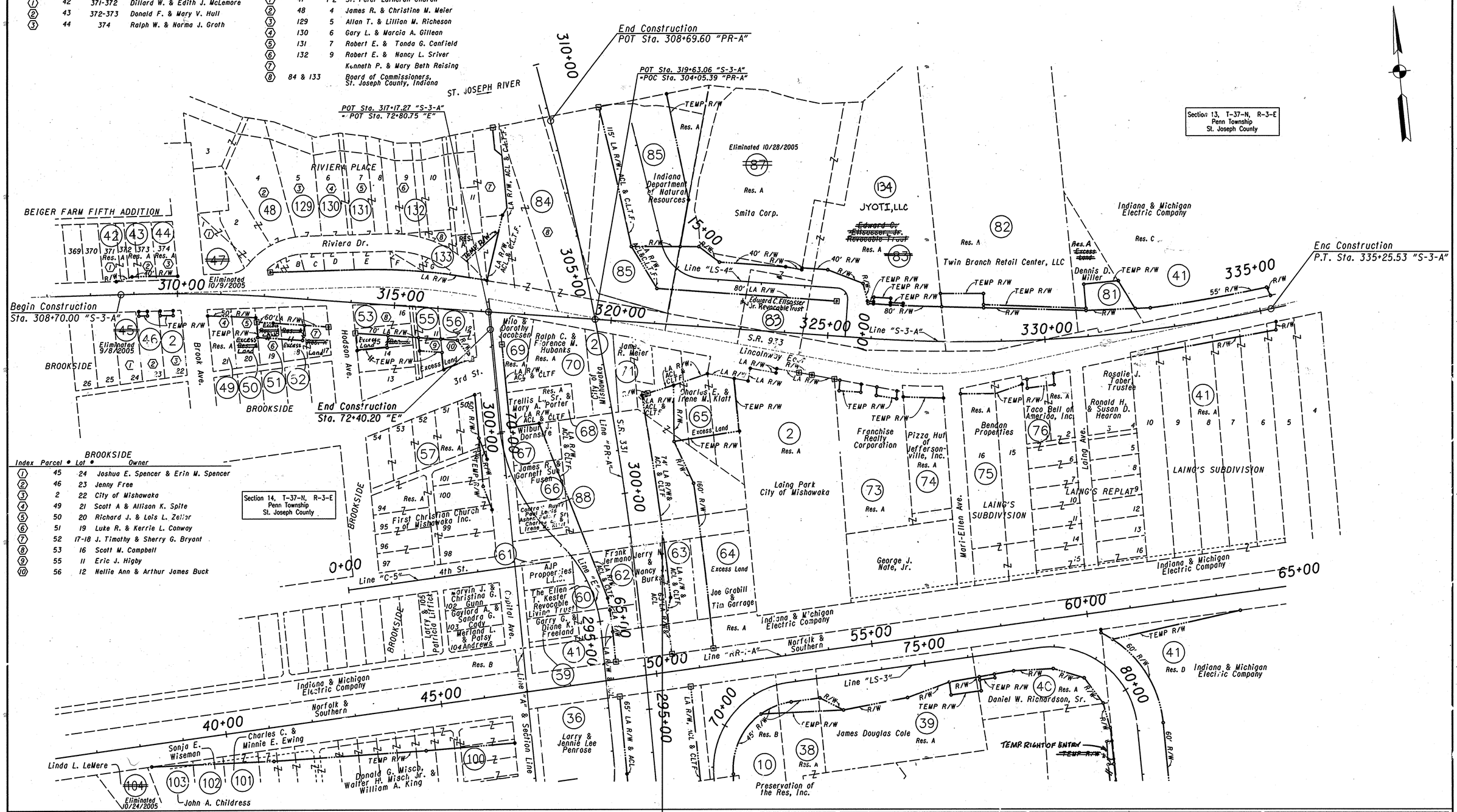
7/23/07 Created P.134 From P.83 Sell off by DLZ | 6-13-07 P.90 Elim. Temp R/W, Added Right of Entry by DLZ | 6-4-07 P.84 Added Temp. R/W & Res A by DLZ | 4/10/07 P.52 Rev. Res to Excess Land, Elim. 52 Temp. by DLZ | 2-20-07 P.50&51 Rev. Res to Excess Land, Elim 51 Temp. by DLZ | 2-12-07 P.53 Rev. Res to Excess., Elim Temp. by DLZ | 1-8-07 P.81 Chg. Excess Land to Res. by DLZ

BEIGER FARM FIFTH ADDITION

Index	Parcel #	Lot #	Owner
1	42	371-372	Dillard W. & Edith J. McLemore
2	43	372-373	Donald F. & Mary V. Hull
3	44	374	Ralph W. & Norma J. Groth

RIVIERA PLACE

Index	Parcel #	Lot #	Owner
1	47	1-2	St. Peter Lutheran Church
2	48	4	James R. & Christine M. Meier
3	129	5	Allan T. & Lillian M. Richeson
4	130	6	Gary L. & Marcia A. Gillean
5	131	7	Robert E. & Tonda G. Canfield
6	132	9	Robert E. & Nancy L. Sriver
7			Kenneth P. & Mary Beth Reising
8	84 & 133		Board of Commissioners, St. Joseph County, Indiana



BROOKSIDE

Index	Parcel #	Lot #	Owner
1	45	24	Joshua E. Spencer & Erin M. Spencer
2	46	23	Jenny Free
3	2	22	City of Mishawaka
4	49	21	Scott A & Allison K. Spite
5	50	20	Richard J. & Lois L. Zellar
6	51	19	Luke R. & Kerrie L. Conway
7	52	17-18	J. Timothy & Sherry G. Bryant
8	53	16	Scott M. Campbell
9	55	11	Eric J. Higby
10	56	12	Nellie Ann & Arthur James Buck

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 100' / BRIDGE FILE
DESIGNED: NJB	DRAWN: EAK		VERTICAL SCALE / DESIGNATION NO. 0200872
CHECKED: MJK	CHECKED: MJK	PLAT No. 1	SURVEY BOOK / SHEETS 11 of 55
			CONTRACT / PROJECT NO. STP-5171(015)

R/W CODE:482

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$DATE$
$FILE$

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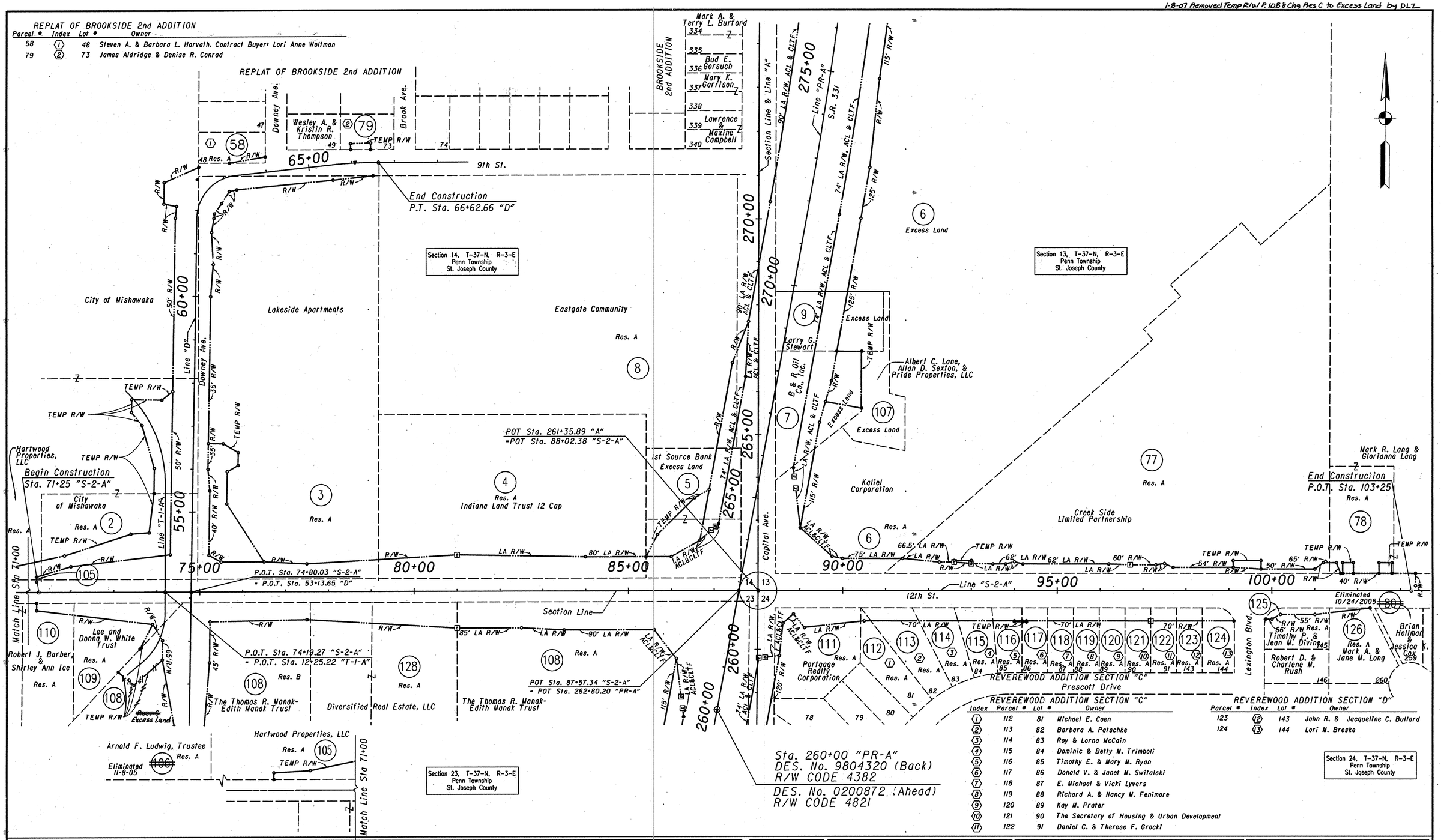
1-8-07 Removed Temp R/W P.108 & Chg Res C to Excess Land by DLZ



REVEREWOOD ADDITION SECTION "C"

Index	Parcel #	Lot #	Owner
1	112	81	Michael E. Coen
2	113	82	Barbara A. Patschke
3	114	83	Roy & Lorna McCain
4	115	84	Dominic & Betty M. Trimboli
5	116	85	Timothy E. & Mary M. Ryan
6	117	86	Donald V. & Janet M. Switalski
7	118	87	E. Michael & Vicki Lyvers
8	119	88	Richard A. & Nancy M. Fenimore
9	120	89	Kay M. Prater
10	121	90	The Secretary of Housing & Urban Development
11	122	91	Daniel C. & Therese F. Grocki

REVEREWOOD ADDITION SECTION "D"

Parcel #	Index	Lot #	Owner
123	12	143	John R. & Jacqueline C. Bullard
124	13	144	Lori M. Breske

R/W CODE:4821

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: NJB DRAWN: EAK

CHECKED: MJK CHECKED: MJK

INDIANA DEPARTMENT OF TRANSPORTATION

PLAT No. 1

HORIZONTAL SCALE	BRIDGE FILE
1"= 100'	
VERTICAL SCALE	DESIGNATION NO.
	0200872
SURVEY BOOK	SHEETS
	12 of 55
CONTRACT	PROJECT NO.
	STP-5171(015)

$USER$ $DATE$ $FILEA$ $TIME$

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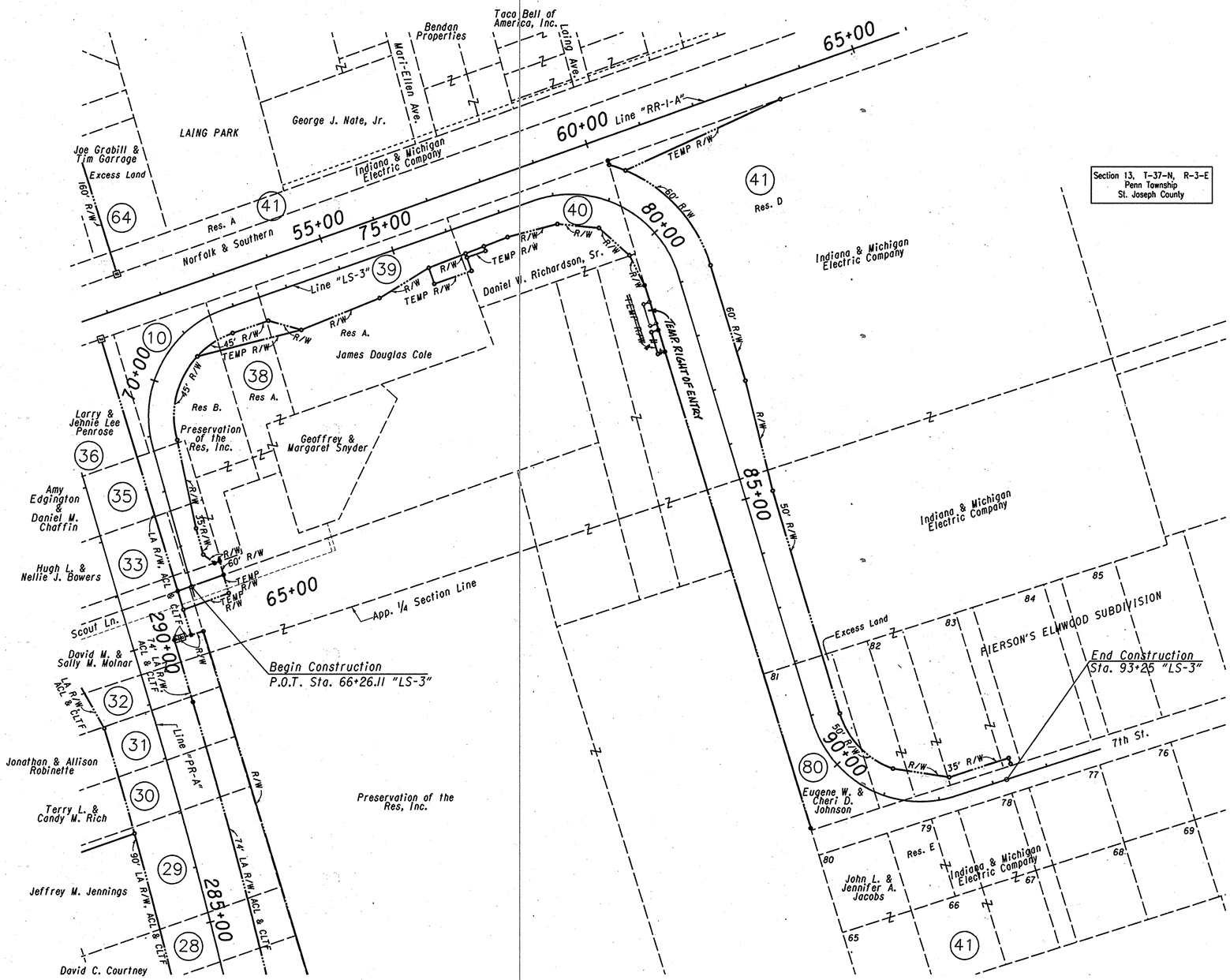
6-13-07 P.40 Elim. Temp R/W, Added Temp. Right of Entry by DLZ



RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 100'	BRIDGE FILE
		VERTICAL SCALE	DESIGNATION NO. 0200872
DESIGNED: NJB / DRAWN: EAK	PLAT No. 1	SURVEY BOOK	SHEETS 13 of 55
CHECKED: MJK / CHECKED: MJK		CONTRACT	PROJECT NO. STP-517(015)

R/W CODE:4821

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$DATE$
$FILE$

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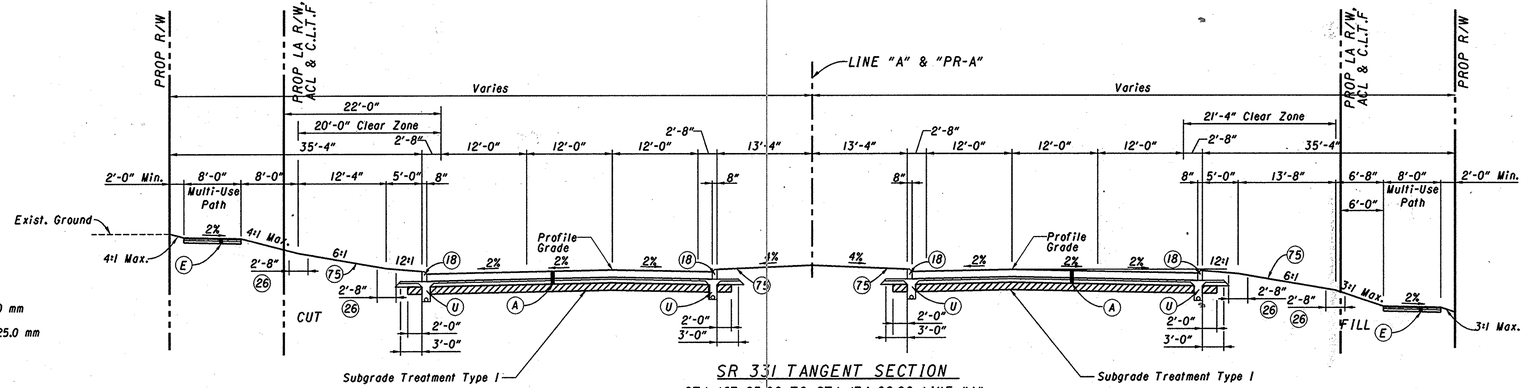
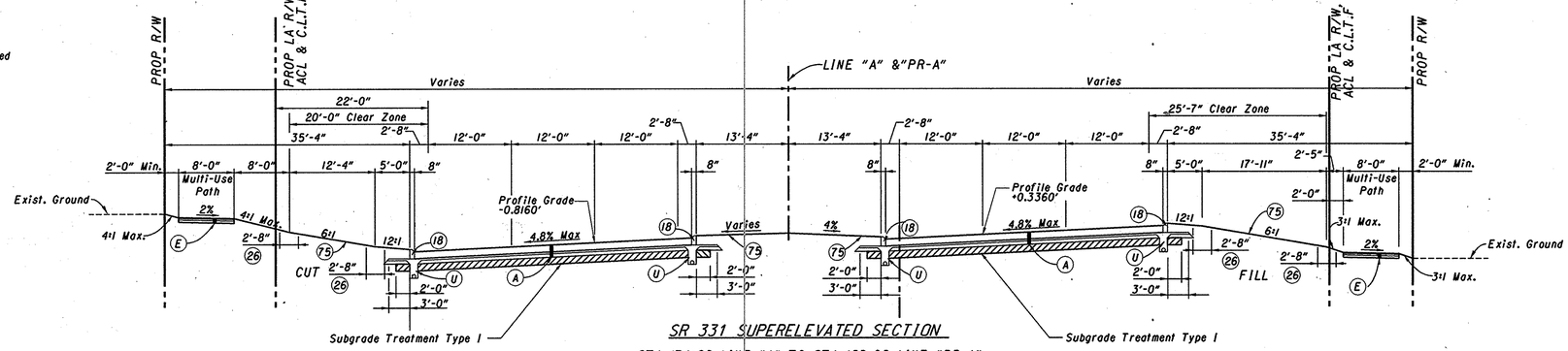
LEGEND

- (A) QC/QA - PCCP, 12.5in, On 9" Subbase For Cement Concrete Pavement
- (B) 165 lbs/syd QC/QA-HMA, 5, 76, Surface 9.5 mm; 275 lbs/syd QC/QA-HMA, 5, 70, Intermediate 19.0 mm; 440 lbs/syd QC/QA-HMA, 5, 64, Base 25.0 mm; 460 lbs/syd QC/QA-HMA, 5, 70, Intermediate QG25.0 mm; 440 lbs/syd QC/QA-HMA, 5, 64, Base 25.0 mm
- (E) HMA For Sidewalk; 165# HMA, Type A, Surface On; 275# HMA, Type A, Intermediate On; 4" Compacted Aggregate, #53, Base
- (I) Concrete Median Barrier
- (Ii) Railing, Concrete, C, 2'-9"
- (J) Compacted Aggregate, No. 53
- (W) Concrete Retaining Wall
- (15) Combined Concrete Curb & Gutter, Type C
- (17) Combined Concrete Curb & Gutter, Type C Modified
- (18) Integral Conc. Curb, Type B
- (22) Concrete Center Curb, Type B
- (22A) Concrete Center Curb, Type C
- (26) Sodding
- (75) Mulched Seeding



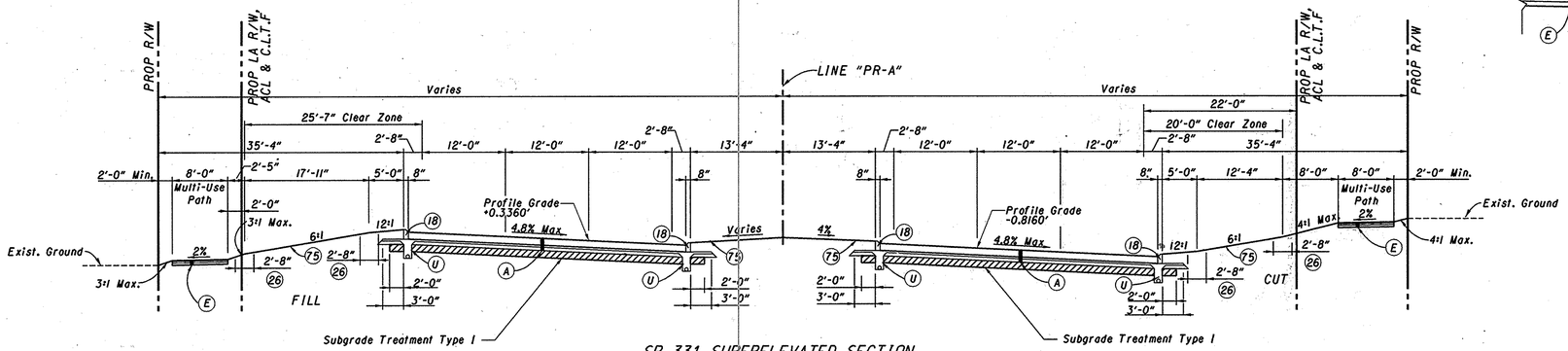
SR 331 TANGENT SECTION

STA 167+25.00 TO STA 174+62.00 LINE "A"
STA 209+15.00 TO STA 254+30.00 LINE "PR-A"
STA 274+90.00 TO STA 293+60.00 LINE "PR-A"



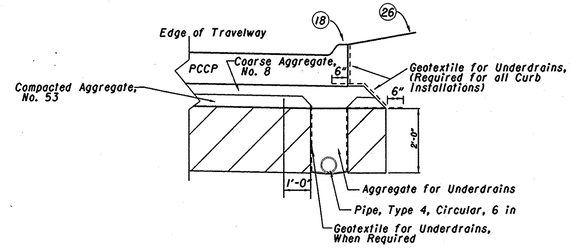
SR 331 SUPERELEVATED SECTION

STA 174+62 LINE "A" TO STA 189+02 LINE "PR-A"
CURVE TO LEFT, e_{max} = 4.8%

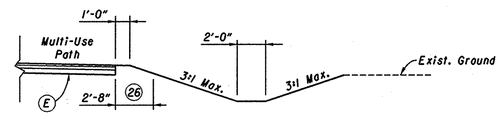


SR 331 SUPERELEVATED SECTION

STA 189+02.00 TO 194+70 LINE "PR-A"
CURVE TO RIGHT, e_{max} = 4.8%



Underdrain Detail



Ditch Section (Typical)

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 10' / BRIDGE FILE
DESIGNED: ADS	DRAWN: CJS	TYPICAL SECTIONS LINE "A"/"PR-A" - S.R. 331	VERTICAL SCALE / DESIGNATION NO. 9804320/0200872
CHECKED: EAK	CHECKED: MJK		SURVEY BOOK / SHEETS 14 of 55
			CONTRACT / PROJECT NO. STP-S870(011)/STP-5171(015)

R/W CODE:4382 R/W CODE:4821

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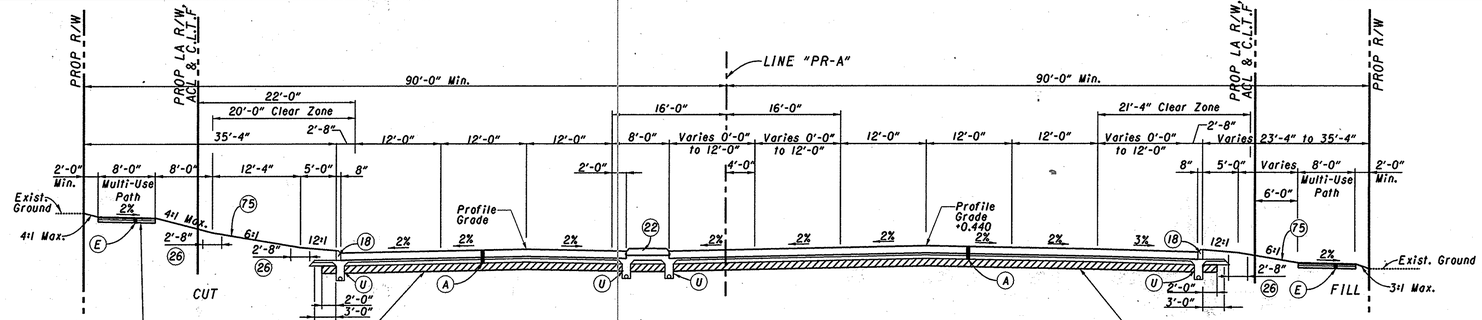
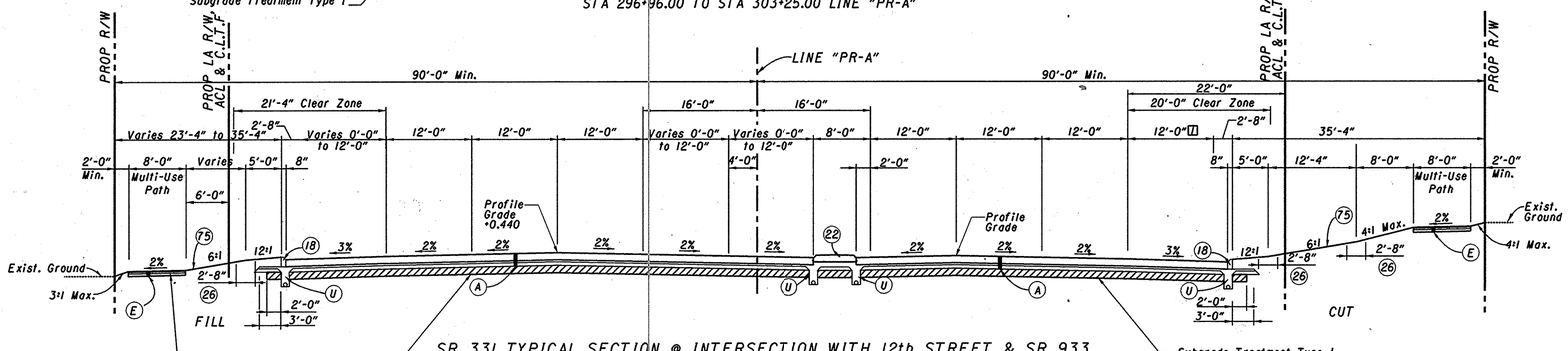


SR 331 TYPICAL SECTION @ INTERSECTION WITH 12th STREET & SR 933

STA 254+30.00 TO STA 262+05.00 LINE "PR-A"
STA 296+96.00 TO STA 303+25.00 LINE "PR-A"



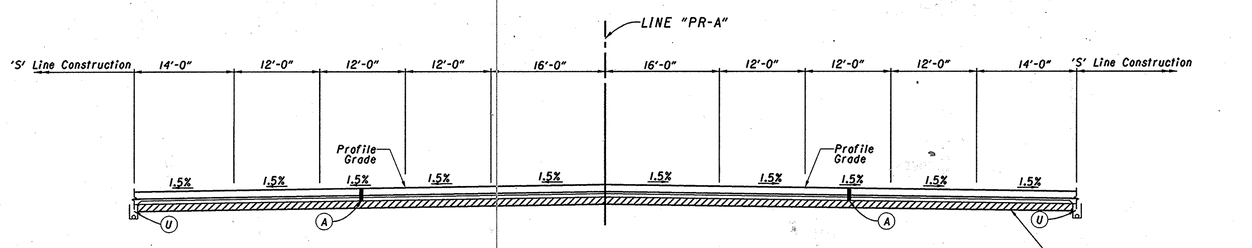
SR 331 TYPICAL SECTION @ INTERSECTION WITH 12th STREET & SR 933

STA 263+58.00 TO STA 274+90.00 LINE "PR-A"
STA 305+05.00 TO STA 308+69.60 LINE "PR-A"

[1] Equals 0' Sta. 263+58.00 to 274+90.00
Equals 12' Sta. 305+05.00 to 308+69.60

LEGEND

- (A) 12.5" Plain Cement Concrete Pavement, On 9" Subbase For Cement Concrete Pavement
- (B) 165 lbs/syd QC/QA-HMA, 5, 76, Surface 9.5 mm
  275 lbs/syd QC/QA-HMA, 5, 70, Intermediate 19.0 mm
  440 lbs/syd QC/QA-HMA, 5, 64, Base 25.0 mm
  460 lbs/syd QC/QA-HMA, 5, 70, Intermediate OG25.0 mm
  440 lbs/syd QC/QA-HMA, 5, 64, Base 25.0 mm
- (E) HMA For Sidewalk
  165# HMA, Type A, Surface On
  275# HMA, Type A, Intermediate On
  4" Compacted Aggregate, #53, Base
- (I) Concrete Median Barrier
- (I1) Railing, Concrete, C, 2'-9"
- (J) Compacted Aggregate, No. 53
- (W) Concrete Retaining Wall
- (15) Combined Concrete Curb & Gutter, Type C
- (17) Combined Concrete Curb & Gutter, Type C Modified
- (18) Integral Conc. Curb, Type B
- (22) Concrete Center Curb, Type B
- (22A) Concrete Center Curb, Type C
- (26) Sodding
- (75) Mulched Seeding



SR 331 TYPICAL SECTION THRU INTERSECTION WITH DRAGOON TRAIL, 12th STREET & SR 933

STA 202+32.00 TO STA 203+10.00 LINE "PR-A"
STA 262+05.00 TO STA 263+58.00 LINE "PR-A"
STA 303+25.00 TO STA 305+05.00 LINE "PR-A"

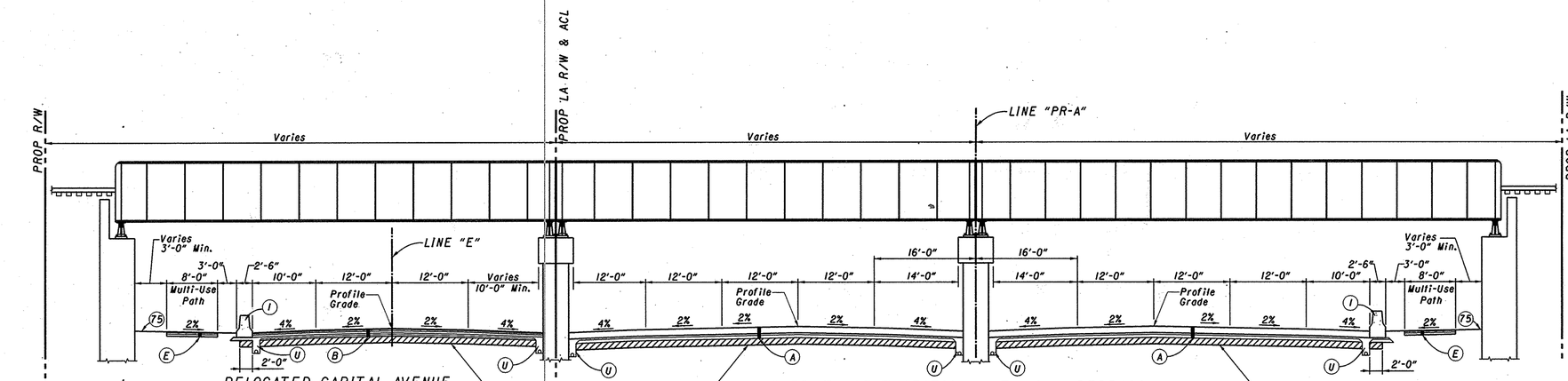
RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 10'	BRIDGE FILE
		VERTICAL SCALE	DESIGNATION NO. 9804320/0200872
DESIGNED: ADS / DRAWN: CJS	TYPICAL SECTIONS LINE "PR-A" - S.R. 331	SURVEY BOOK	SHEETS 15 of 55
CHECKED: EAK / CHECKED: MJK		CONTRACT	PROJECT NO. STP-S870(011)/STP-5171(015)

R/W CODE:4382 R/W CODE:4821

$USER $DATE$ $FILE$ $TIME$

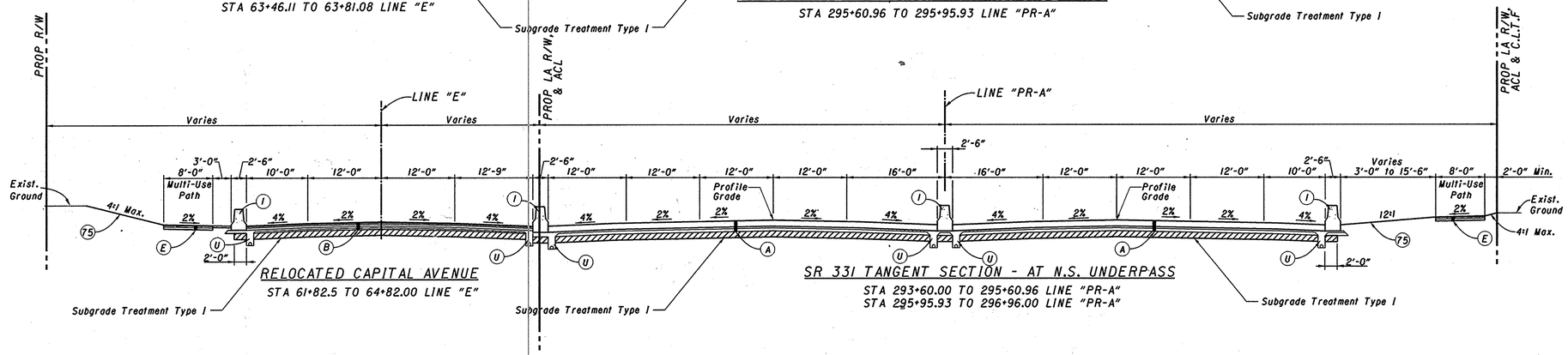
LEGEND

- (A) 12.5" Plain Cement Concrete Pavement, On 9" Subbase For Cement Concrete Pavement
- (B) 165 lbs/syd QC/QA-HMA, 5, 76, Surface 9.5 mm
  275 lbs/syd QC/QA-HMA, 5, 70, Intermediate 19.0 mm
  440 lbs/syd QC/QA-HMA, 5, 64, Base 25.0 mm
  460 lbs/syd QC/QA-HMA, 5, 70, Intermediate OG25.0 mm
  440 lbs/syd QC/QA-HMA, 5, 64, Base 25.0 mm
- (E) HMA For Sidewalk
  165# HMA, Type A, Surface On
  275# HMA, Type A, Intermediate On
  4" Compacted Aggregate, #53, Base
- (I) Concrete Median Barrier
- (Ji) Railing, Concrete, C, 2'-9"
- (J) Compacted Aggregate, No. 53
- (W) Concrete Retaining Wall
- (15) Combined Concrete Curb & Gutter, Type C
- (17) Combined Concrete Curb & Gutter, Type C Modified
- (18) Integral Conc. Curb, Type B
- (22) Concrete Center Curb, Type B
- (22a) Concrete Center Curb, Type C
- (26) Sodding
- (75) Mulched Seeding



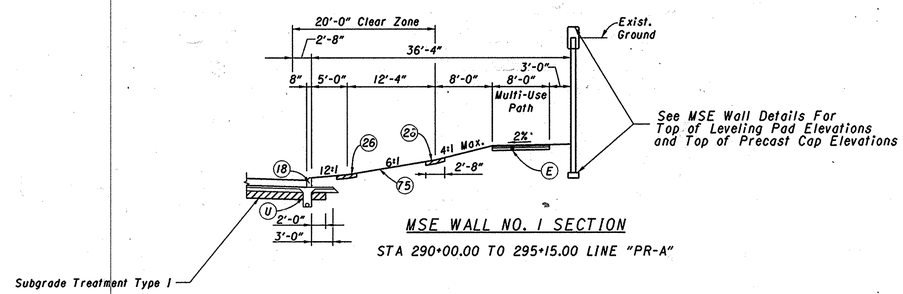
RELOCATED CAPITAL AVENUE
STA 63+46.11 TO 63+81.08 LINE "E"

SR 331 TANGENT SECTION - AT N.S. UNDERPASS
STA 295+60.96 TO 295+95.93 LINE "PR-A"



RELOCATED CAPITAL AVENUE
STA 61+82.5 TO 64+82.00 LINE "E"

SR 331 TANGENT SECTION - AT N.S. UNDERPASS
STA 293+60.00 TO 295+60.96 LINE "PR-A"
STA 295+95.93 TO 296+96.00 LINE "PR-A"



MSE WALL NO. 1 SECTION
STA 290+00.00 TO 295+15.00 LINE "PR-A"

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 10' / VERTICAL SCALE / BRIDGE FILE / DESIGNATION NO. 9804320/0200872
DESIGNED: ADS	DRAWN: CJS	TYPICAL SECTIONS LINE "PR-A" - S.R. 331	SURVEY BOOK / SHEETS 16 of 55
CHECKED: EAK	CHECKED: MJK		CONTRACT / PROJECT NO. STP-5171(015)

R/W CODE:4821

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$DATE$
$FILE$

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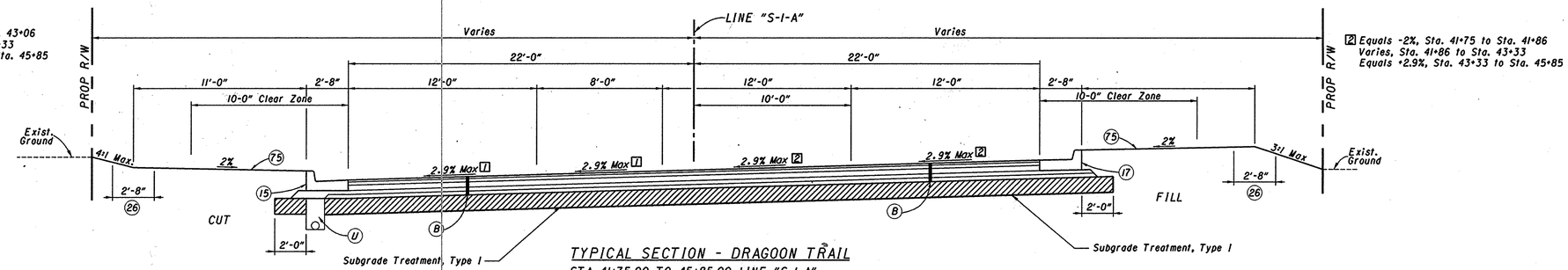
LEGEND

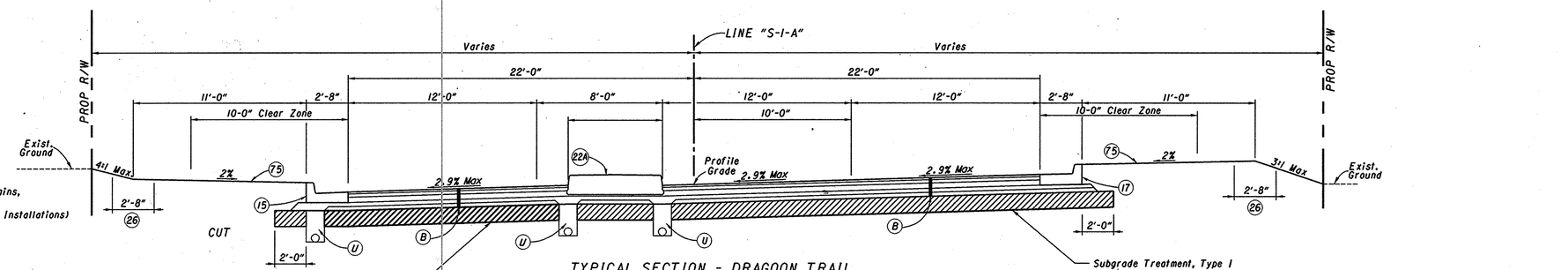
- (A) 12.5" Plain Cement Concrete Pavement, On 9" Subbase For Cement Concrete Pavement
- (B) 165 lbs/syd OC/OA-HMA, 5, 76, Surface 9.5 mm
  275 lbs/syd OC/OA-HMA, 5, 70, Intermediate 19.0 mm
  440 lbs/syd OC/OA-HMA, 5, 64, Base 25.0 mm
  460 lbs/syd OC/OA-HMA, 5, 70, Intermediate OG25.0 mm
  440 lbs/syd OC/OA-HMA, 5, 64, Base 25.0 mm
- (E) HMA For Sidewalk
  165# HMA, Type A, Surface On
  275# HMA, Type A, Intermediate On
  4" Compacted Aggregate, #53, Base
- (I) Concrete Median Barrier
- (I1) Railing, Concrete, C, 2'-9"
- (J) Compacted Aggregate, No. 53
- (W) Concrete Retaining Wall
- (15) Combined Concrete Curb & Gutter, Type C
- (17) Combined Concrete Curb & Gutter, Type C Modified
- (18) Integral Conc. Curb, Type B
- (22) Concrete Center Curb, Type B
- (22A) Concrete Center Curb, Type C
- (26) Sodding
- (75) Mulched Seeding

[1] Equals +2%, Sta. 41+75 to Sta. 43+06
Varies, Sta. 43+06 to Sta. 43+33
Equals +2.9%, Sta. 43+33 to Sta. 45+85

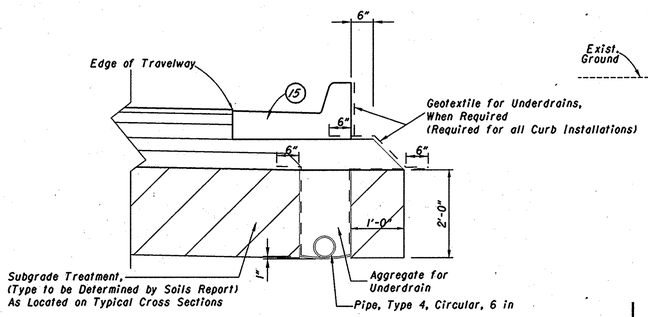
[2] Equals -2%, Sta. 41+75 to Sta. 41+86
Varies, Sta. 41+86 to Sta. 43+33
Equals +2.9%, Sta. 43+33 to Sta. 45+85



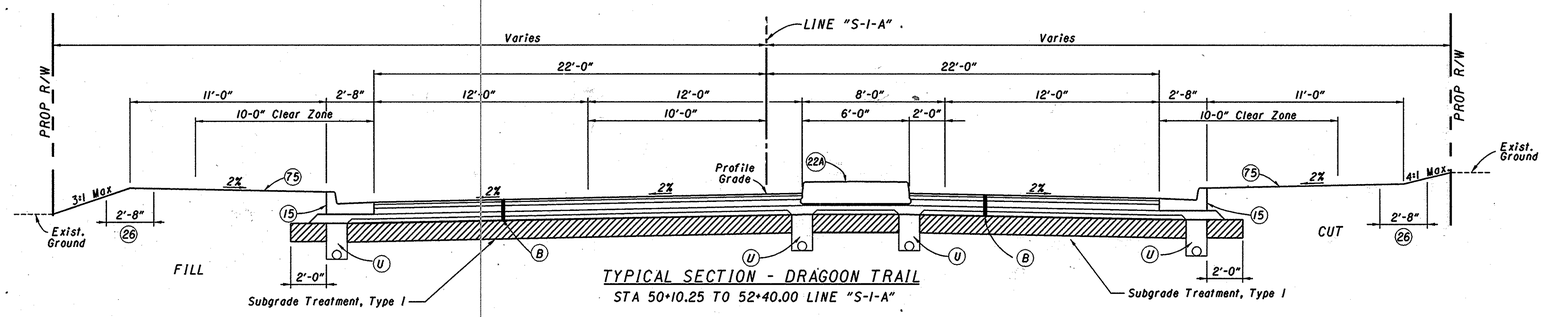
TYPICAL SECTION - DRAGOON TRAIL
STA 41+75.00 TO 45+85.00 LINE "S-1-A"



TYPICAL SECTION - DRAGOON TRAIL
STA 45+85.00 TO 48+76.35 LINE "S-1-A"



TYPICAL UNDERDRAIN DETAIL w/ CURB AND GUTTER
Not to Scale



TYPICAL SECTION - DRAGOON TRAIL
STA 50+10.25 TO 52+40.00 LINE "S-1-A"

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 4' / BRIDGE FILE
DESIGNED: ADS	DRAWN: CJS	TYPICAL SECTIONS LINE "S-1-A" - DRAGOON TRAIL	VERTICAL SCALE / DESIGNATION NO. 9804320/0200872
CHECKED: EAK	CHECKED: MJK		SURVEY BOOK / SHEETS 17 of 55
			CONTRACT / PROJECT NO. STP-S870(011)/STP-5171(015)

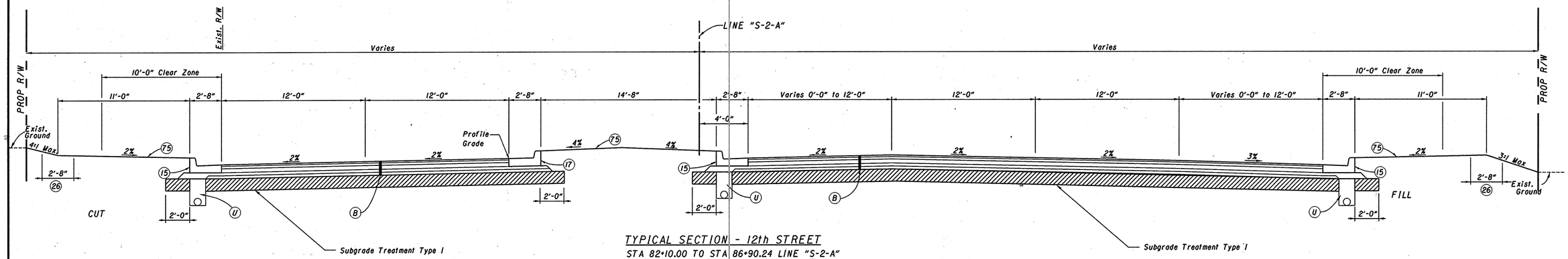
R/W CODE:4382 R/W CODE:4821

$USER $DATE$ $FILE$ $TIME$

...\IN2001.0700.3.TY_RM.09.dgn 9/16/2006 12:11:00 PM

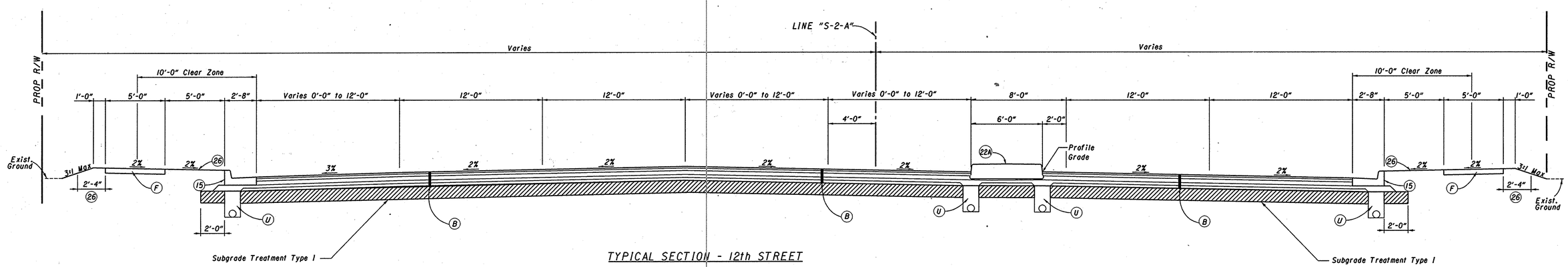
LEGEND

- (A) 12.5" Plain Cement Concrete Pavement, On 9" Subbase For Cement Concrete Pavement
- (B) 165 lbs/syd QC/QA-HMA, 5, 76, Surface 9.5 mm
  275 lbs/syd QC/QA-HMA, 5, 70, Intermediate 19.0 mm
  440 lbs/syd QC/QA-HMA, 5, 64, Base 25.0 mm
  460 lbs/syd QC/QA-HMA, 5, 70, Intermediate OG25.0 mm
  440 lbs/syd QC/QA-HMA, 5, 64, Base 25.0 mm
- (E) HMA For Sidewalk
  165# HMA, Type A, Surface On
  275# HMA, Type A, Intermediate On
  4" Compacted Aggregate, #53, Base
- (I) Concrete Median Barrier
- (Ih) Railing, Concrete, C, 2'-9"
- (J) Compacted Aggregate, No. 53
- (W) Concrete Retaining Wall
- (15) Combined Concrete Curb & Gutter, Type C
- (17) Combined Concrete Curb & Gutter, Type C Modified
- (18) Integral Conc. Curb, Type B
- (22) Concrete Center Curb, Type B
- (22A) Concrete Center Curb, Type C
- (26) Sodding
- (75) Mulched Seeding



TYPICAL SECTION - 12th STREET

STA 82+10.00 TO STA 86+90.24 LINE "S-2-A"



TYPICAL SECTION - 12th STREET

STA 88+24.45 TO STA 94+52.00 LINE "S-2-A"

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 4'	BRIDGE FILE
		VERTICAL SCALE	DESIGNATION NO. 0200872
DESIGNED: ADS / DRAWN: CJS	TYPICAL SECTIONS LINE "S-2-A" - 12th St.	SURVEY BOOK	SHEETS 18 OF 55
CHECKED: EAK / CHECKED: MJK		CONTRACT	PROJECT NO. STP-5171(015)

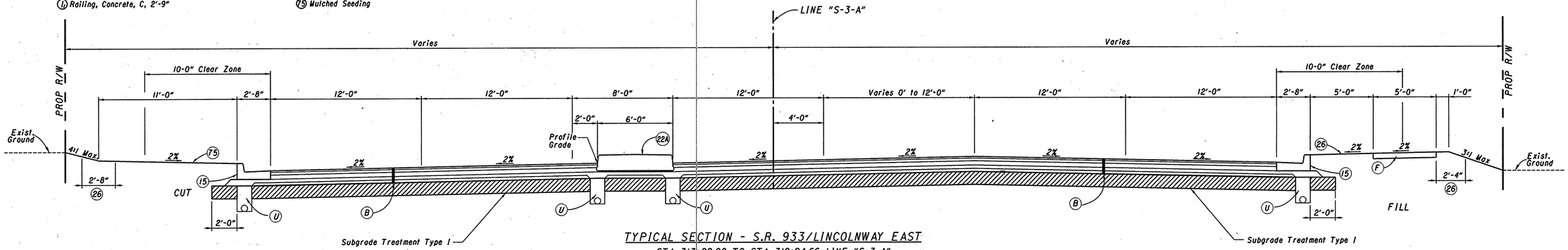
R/W CODE:4821

$USER$ $DATE$ $FILEA$ $TIME$

...\IN2001.0700.3.TY_RH.05.dgn 9/16/2005 12:11:42 PM

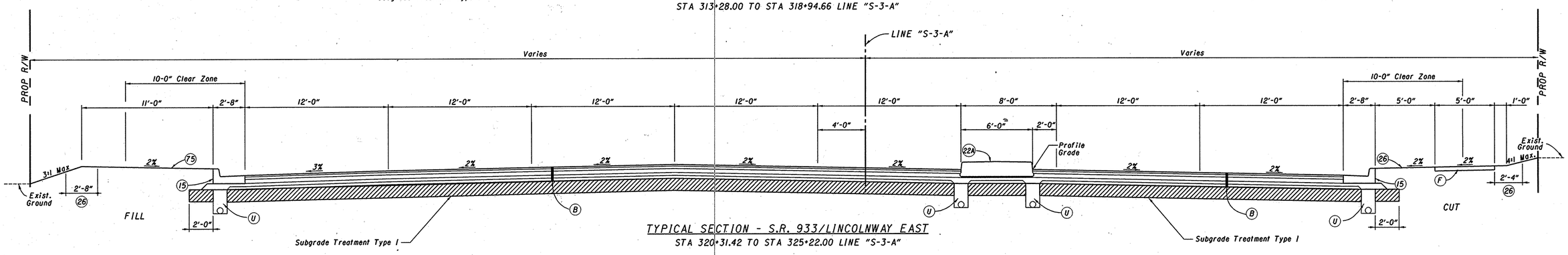
LEGEND

- (A) 12.5" Plain Cement Concrete Pavement, On 9" Subbase For Cement Concrete Pavement
- (B) 165 lbs/syd OC/OA-HMA, S, 76, Surface 9.5 mm
  275 lbs/syd OC/OA-HMA, S, 70, Intermediate 19.0 mm
  440 lbs/syd OC/OA-HMA, S, 64, Base 25.0 mm
  460 lbs/syd OC/OA-HMA, S, 70, Intermediate OG25.0 mm
  440 lbs/syd OC/OA-HMA, S, 64, Base 25.0 mm
- (E) HMA For Sidewalk
  165# HMA, Type A, Surface On
  275# HMA, Type A, Intermediate On
  4" Compacted Aggregate, #53, Base
- (I) Concrete Median Barrier
- (J) Railing, Concrete, C, 2'-9"
- (J) Compacted Aggregate, No. 53
- (W) Concrete Retaining Wall
- (15) Combined Concrete Curb & Gutter, Type C
- (17) Combined Concrete Curb & Gutter, Type C Modified
- (18) Integral Conc. Curb, Type B
- (22) Concrete Center Curb, Type B
- (22A) Concrete Center Curb, Type C
- (26) Sodding
- (75) Mulched Seeding



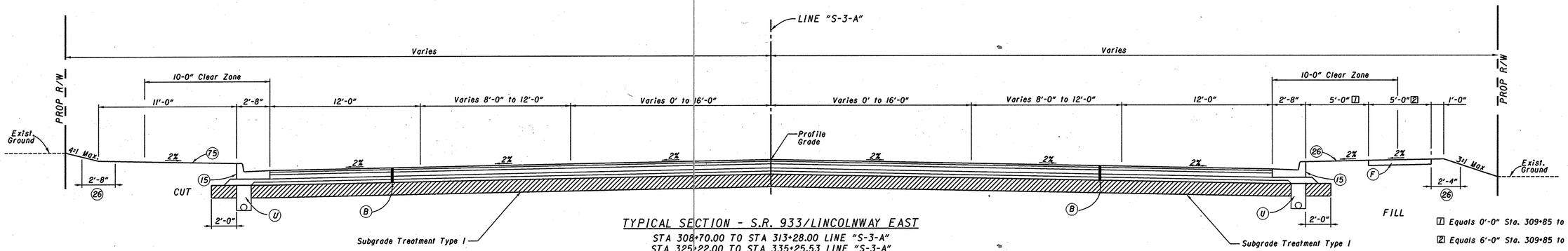
TYPICAL SECTION - S.R. 933/LINCOLNWAY EAST

STA 313+28.00 TO STA 318+94.66 LINE "S-3-A"



TYPICAL SECTION - S.R. 933/LINCOLNWAY EAST

STA 320+31.42 TO STA 325+22.00 LINE "S-3-A"



TYPICAL SECTION - S.R. 933/LINCOLNWAY EAST

STA 308+70.00 TO STA 313+28.00 LINE "S-3-A"
STA 325+22.00 TO STA 335+25.53 LINE "S-3-A"

1 Equals 0'-0" Sta. 309+85 to 313+50

2 Equals 6'-0" Sta. 309+85 to 313+50

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 4'	BRIDGE FILE
		VERTICAL SCALE	DESIGNATION NO. 0200872
DESIGNED: ADS DRAWN: CJS	TYPICAL SECTIONS LINE "S-3-A" - S.R. 933	SURVEY BOOK	SHEETS 19 of 55
CHECKED: EAK CHECKED: MJK		CONTRACT	PROJECT NO. STP-5171(015)

R/W CODE:4821

$TIME$
$USER$
$DATE$
$FILEA$

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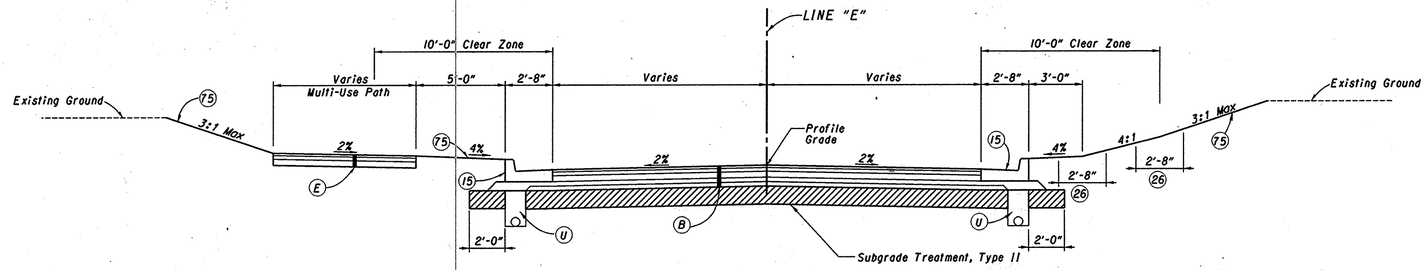
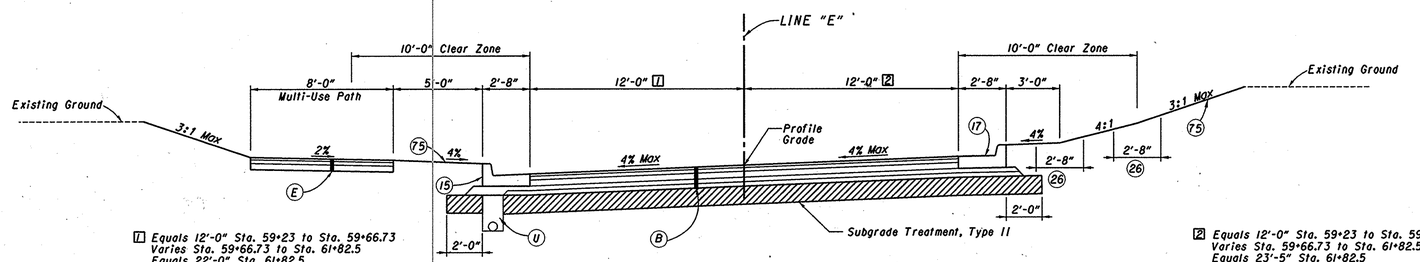
LEGEND

- (A) 12.5" Plain Cement Concrete Pavement, On 9" Subbase For Cement Concrete Pavement
- (B) 165 lbs/syd QC/QA-HMA, 5, 76, Surface 9.5 mm
  275 lbs/syd QC/QA-HMA, 5, 70, Intermediate 19.0 mm
  440 lbs/syd QC/QA-HMA, 5, 64, Base 25.0 mm
  460 lbs/syd QC/QA-HMA, 5, 70, Intermediate OG25.0 mm
  440 lbs/syd QC/QA-HMA, 5, 64, Base 25.0 mm
- (E) HMA For Sidewalk
  165# HMA, Type A, Surface On
  275# HMA, Type A, Intermediate On
  4" Compacted Aggregate, #53, Base
- (I) Concrete Median Barrier
- (L) Railing, Concrete, C, 2'-9"
- (J) Compacted Aggregate, No. 53
- (W) Concrete Retaining Wall
- (15) Combined Concrete Curb & Gutter, Type C
- (17) Combined Concrete Curb & Gutter, Type C Modified
- (18) Integral Conc. Curb, Type B
- (22) Concrete Center Curb, Type B
- (22A) Concrete Center Curb, Type C
- (26) Sodding
- (75) Mulched Seeding



TYPICAL SECTION - CAPITAL AVENUE TANGENT SECTION

STA 55+50 TO STA 55+89 LINE "E"
STA 70+67 TO STA 72+61.31 LINE "E"



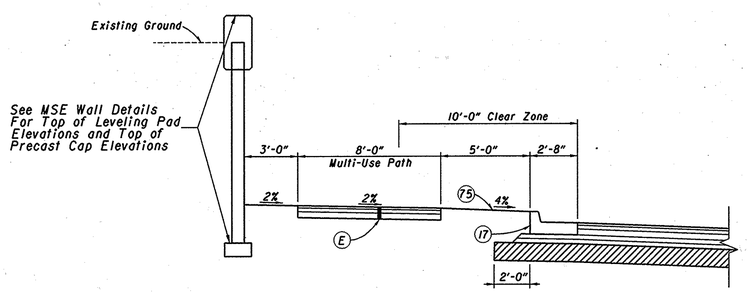
1 Equals 12'-0" Sta. 59+23 to Sta. 59+66.73
Varies Sta. 59+66.73 to Sta. 61+82.5
Equals 22'-0" Sta. 61+82.5
Equals 22'-0" Sta. 64+82
Varies Sta. 64+82 to Sta. 66+96.13
Equals 12'-0" Sta. 66+96.13 to Sta. 67+36.5

2 Equals 12'-0" Sta. 59+23 to Sta. 59+66.73
Varies Sta. 59+66.73 to Sta. 61+82.5
Equals 23'-5" Sta. 61+82.5
Equals 23'-5" Sta. 64+82
Varies Sta. 64+82 to Sta. 66+96.13
Equals 12'-0" Sta. 66+96.13 to Sta. 67+36.5

TYPICAL SECTION - CAPITAL AVENUE SUPERELEVATED SECTION

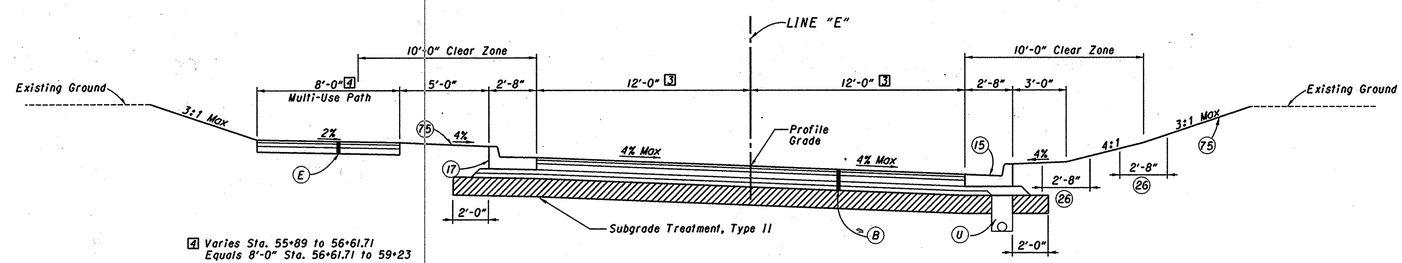
STA 59+23 TO STA 61+82.5 LINE "E"
STA 64+82 TO STA 67+36.5 LINE "E"
CURVE TO THE LEFT

NOTE: SEE SHEET No. 7 FOR STA 61+82.5 TO STA 64+82



MSE WALL No. 2 SECTION

STA 64+30 TO STA 67+50 LINE "E"



4 Varies Sta. 55+89 to 56+61.71
Equals 8'-0" Sta. 56+61.71 to 59+23

TYPICAL SECTION - CAPITAL AVENUE SUPERELEVATED SECTION

STA 55+89 TO STA 59+23 LINE "E"
STA 67+36.5 TO STA 70+67 LINE "E"
CURVE TO THE RIGHT

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 4' / VERTICAL SCALE / BRIDGE FILE / DESIGNATION NO. 0200872
DESIGNED: ADS	DRAWN: ADS	TYPICAL SECTIONS LINE "E" - CAPITAL AVE.	SURVEY BOOK / SHEETS 20 of 55
CHECKED: EAK	CHECKED: MJK		CONTRACT / PROJECT NO. STP-S870(015)

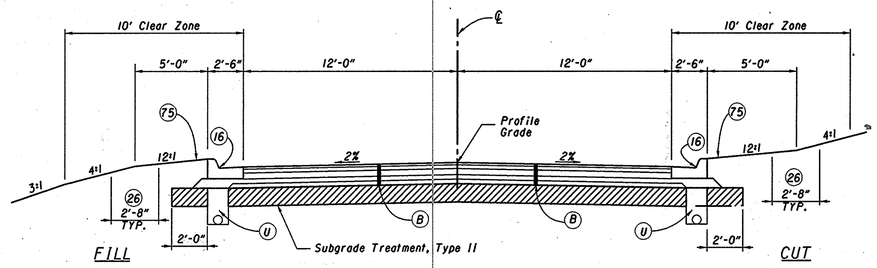
R/W CODE:4821

$TIME$
$USER
$DATE$
$FILE$

...\IN2001.0700 3.TY_PR.08.dgn 9/15/2006 12:13:05 PM

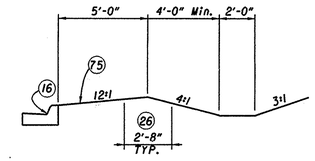
LEGEND

- (A) 12.5" Plain Cement Concrete Pavement, On 9" Subbase For Cement Concrete Pavement
- (B) 165 lbs/syd QC/QA-HMA, 5, 76, Surface 9.5 mm
  275 lbs/syd QC/QA-HMA, 5, 70, Intermediate 19.0 mm
  440 lbs/syd QC/QA-HMA, 5, 64, Base 25.0 mm
  460 lbs/syd QC/QA-HMA, 5, 70, Intermediate OG25.0 mm
  440 lbs/syd QC/QA-HMA, 5, 64, Base 25.0 mm
- (E) HMA For Sidewalk
  165# HMA, Type A, Surface On
  275# HMA, Type A, Intermediate On
  4" Compacted Aggregate, #53, Base
- (F) Sidewalk, Concrete, 4"
- (I) Concrete Median Barrier
- (I1) Railing, Concrete, C, 2'-9"
- (J) Compacted Aggregate, No. 53
- (W) Concrete Retaining Wall
- (15) Combined Concrete Curb & Gutter, Type C
- (16) Combined Concrete Curb & Gutter, Barrier
- (17) Combined Concrete Curb & Gutter, Type C Modified
- (18) Integral Conc. Curb, Type B
- (22) Concrete Center Curb, Type B
- (22A) Concrete Center Curb, Type C
- (26) Sodding
- (75) Mulched Seeding

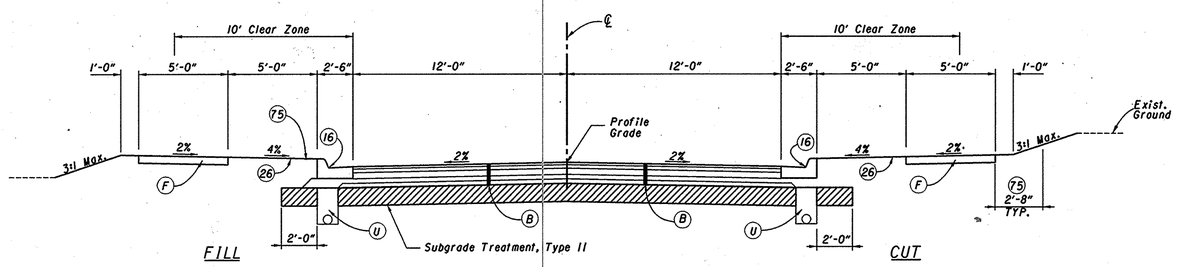


TYPICAL SECTION - MINOR ROADS AND LOCAL SERVICE ROADS

- LOCAL SERVICE ROAD #1 LINE "LS-1"
- LOCAL SERVICE ROAD #2 LINE "LS-2"
- IRELAND ROAD (@ CULP ROAD EXTENSION) LINE "B-2"
- CULP ROAD EXTENSION LINE "C"
- LOCAL SERVICE ROAD #3 LINE "LS-3"
- LOCAL SERVICE ROAD #4 LINE "LS-4"

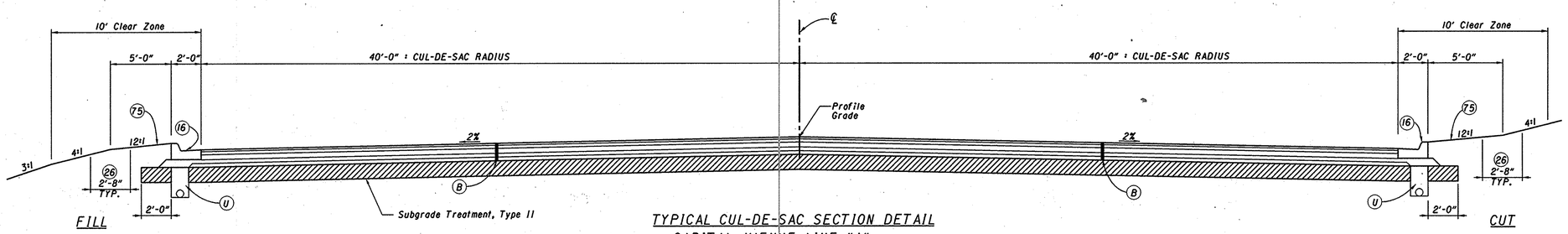


CUT SECTION WITH DITCH



TYPICAL SECTION - MINOR ROADS AND LOCAL SERVICE ROADS

- DOWNEY AVENUE CONNECTOR LINE "D"



TYPICAL CUL-DE-SAC SECTION DETAIL

- CAPITAL AVENUE LINE "A"
- IRELAND ROAD LINE "B-1"
- HILL STREET LINE "C-1"
- CRESTON STREET LINE "C-2"
- EUREKA AVENUE (EAST AND WEST OF SR 331) LINE "C-3"
- ELM ROAD LINE "C-4"
- YORK STREET LINE "C-5"
- 4TH STREET LINE "C-6"

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 4'	BRIDGE FILE
		VERTICAL SCALE	DESIGNATION NO. 9804320/0200872
DESIGNED: ADS DRAWN: ADS	TYPICAL SECTIONS MINOR & LOCAL SERVICE ROADS	SURVEY BOOK	SHEETS 21 of 55
CHECKED: EAK CHECKED: MJK		CONTRACT	PROJECT NO. STP-5870(011)/STP-5171(015)

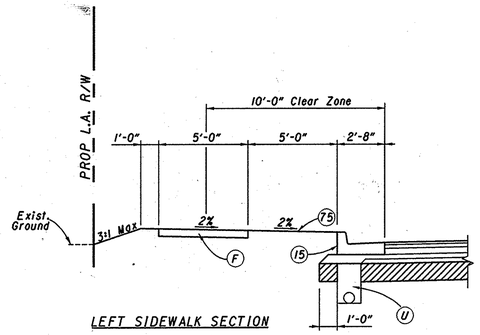
R/W CODE:4382 R/W CODE:4821

$USER $DATE$ $FILE$ $TIME$

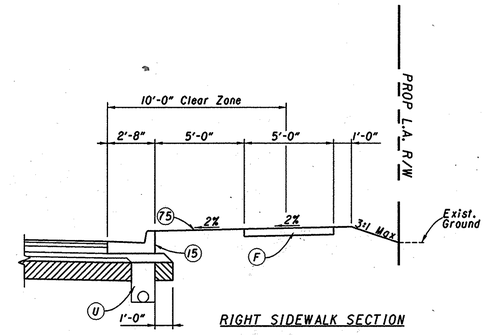
...\IN2001.0700.3.TY_RW.07.dgn 9/16/2006 12:13:44 PM

LEGEND

- (A) 12.5" Plain Cement Concrete Pavement, On 9" Subbase For Cement Concrete Pavement
- (B) 165 lbs/syd QC/QA-HMA, 5, 76, Surface 9.5 mm
  275 lbs/syd QC/QA-HMA, 5, 70, Intermediate 19.0 mm
  440 lbs/syd QC/QA-HMA, 5, 64, Base 25.0 mm
  460 lbs/syd QC/QA-HMA, 5, 70, Intermediate OG25.0 mm
  440 lbs/syd QC/QA-HMA, 5, 64, Base 25.0 mm
- (E) HMA For Sidewalk
  165# HMA, Type A, Surface On
  275# HMA, Type A, Intermediate On
  4" Compacted Aggregate, #53, Base
- (I) Concrete Median Barrier
- (I1) Railing, Concrete, C, 2'-9"
- (J) Compacted Aggregate, No. 53
- (W) Concrete Retaining Wall
- (15) Combined Concrete Curb & Gutter, Type C
- (17) Combined Concrete Curb & Gutter, Type C Modified
- (18) Integral Conc. Curb, Type B
- (22) Concrete Center Curb, Type B
- (22A) Concrete Center Curb, Type C
- (26) Sodding
- (75) Mulched Seeding

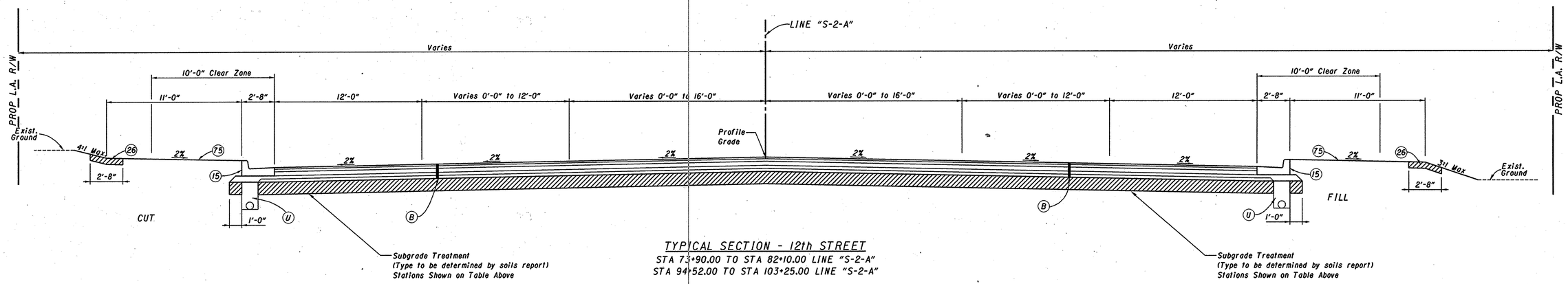


LEFT SIDEWALK SECTION
STA 94+52.00 TO STA 103+25.00 LINE "S-2-A"

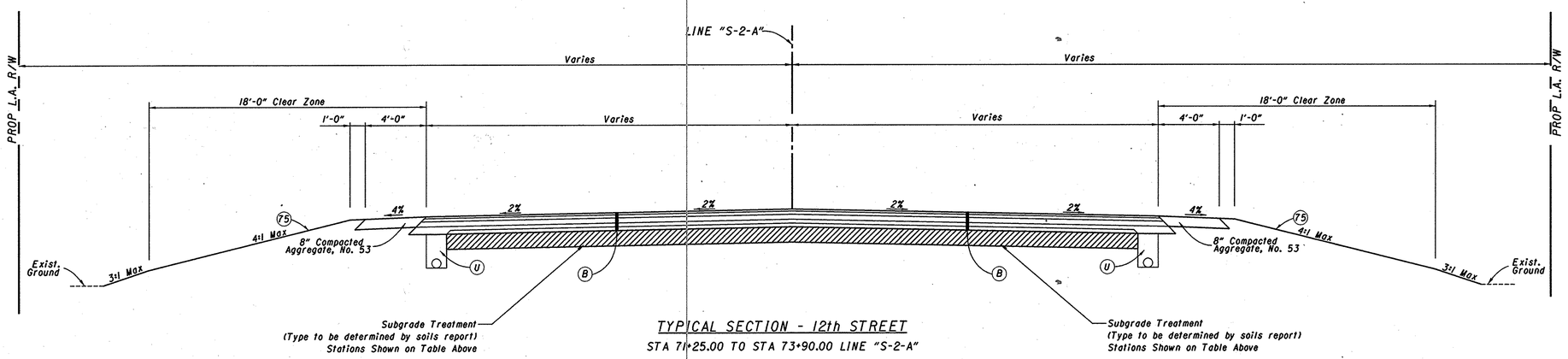


RIGHT SIDEWALK SECTION
STA 94+52.00 TO STA 103+25.00 LINE "S-2-A"

Subgrade Treatment, Type _
STA 71+25 TO STA 86+90 "S-2-A"
STA 88+25 TO STA 103+25 "S-2-A"



TYPICAL SECTION - 12th STREET
STA 73+90.00 TO STA 82+10.00 LINE "S-2-A"
STA 94+52.00 TO STA 103+25.00 LINE "S-2-A"



TYPICAL SECTION - 12th STREET
STA 71+25.00 TO STA 73+90.00 LINE "S-2-A"

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 4' / BRIDGE FILE
DESIGNED: ADS	DRAWN: CJS	TYPICAL SECTIONS LINE "S-2-A" - 12th St.	VERTICAL SCALE / DESIGNATION NO. 9804320/0200872
CHECKED: EAK	CHECKED: MJK		SURVEY BOOK / SHEETS 22 of 55
			CONTRACT / PROJECT NO. STP-S870(011)/STP-5171(015)

R/W CODE 4382 R/W CODE:4821

$USER $DATE$ $FILE$ $TIME$

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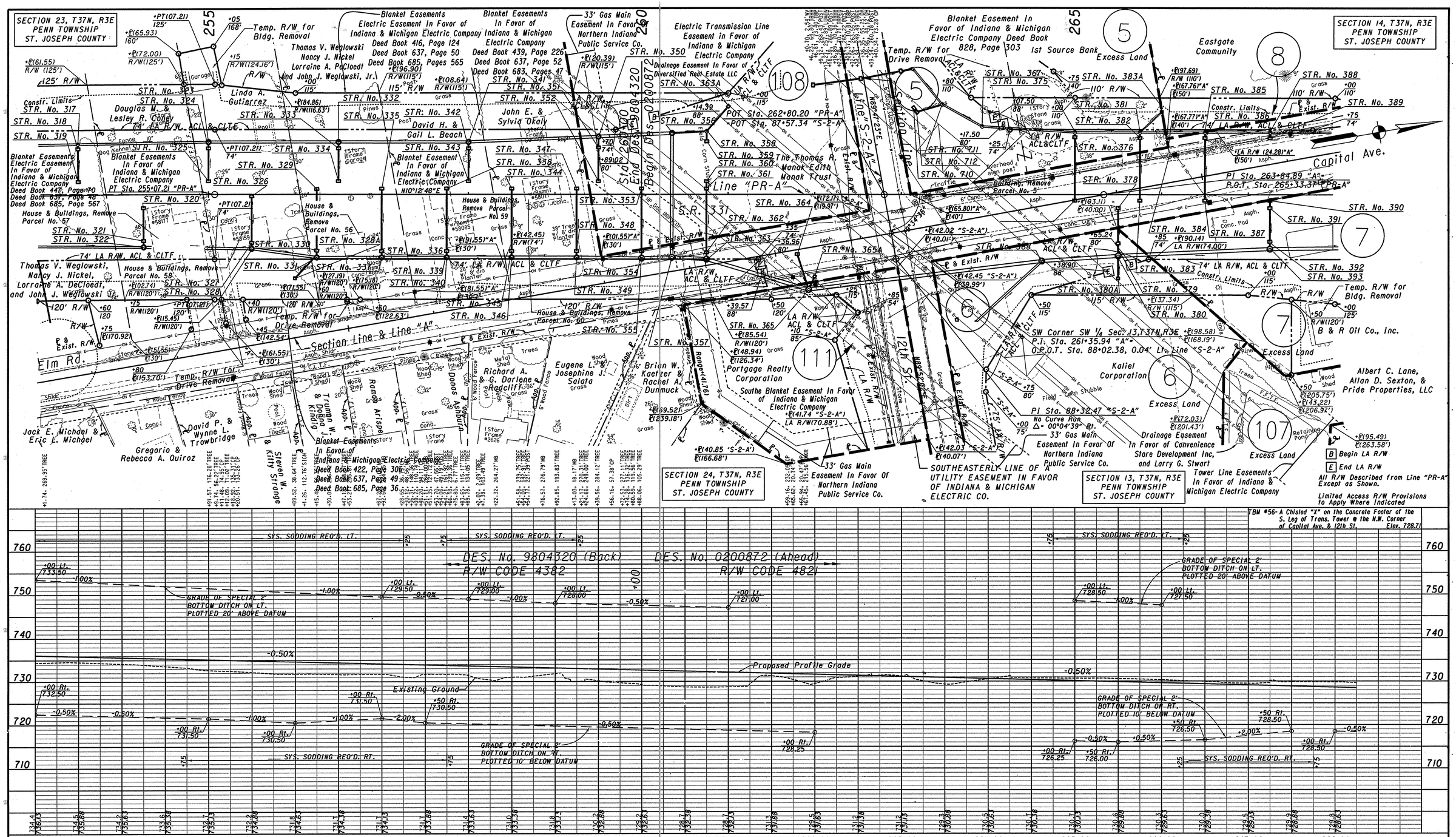


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	
DESIGNED: HDP	DRAWN: EAK		
CHECKED: ADS	CHECKED: MJK		

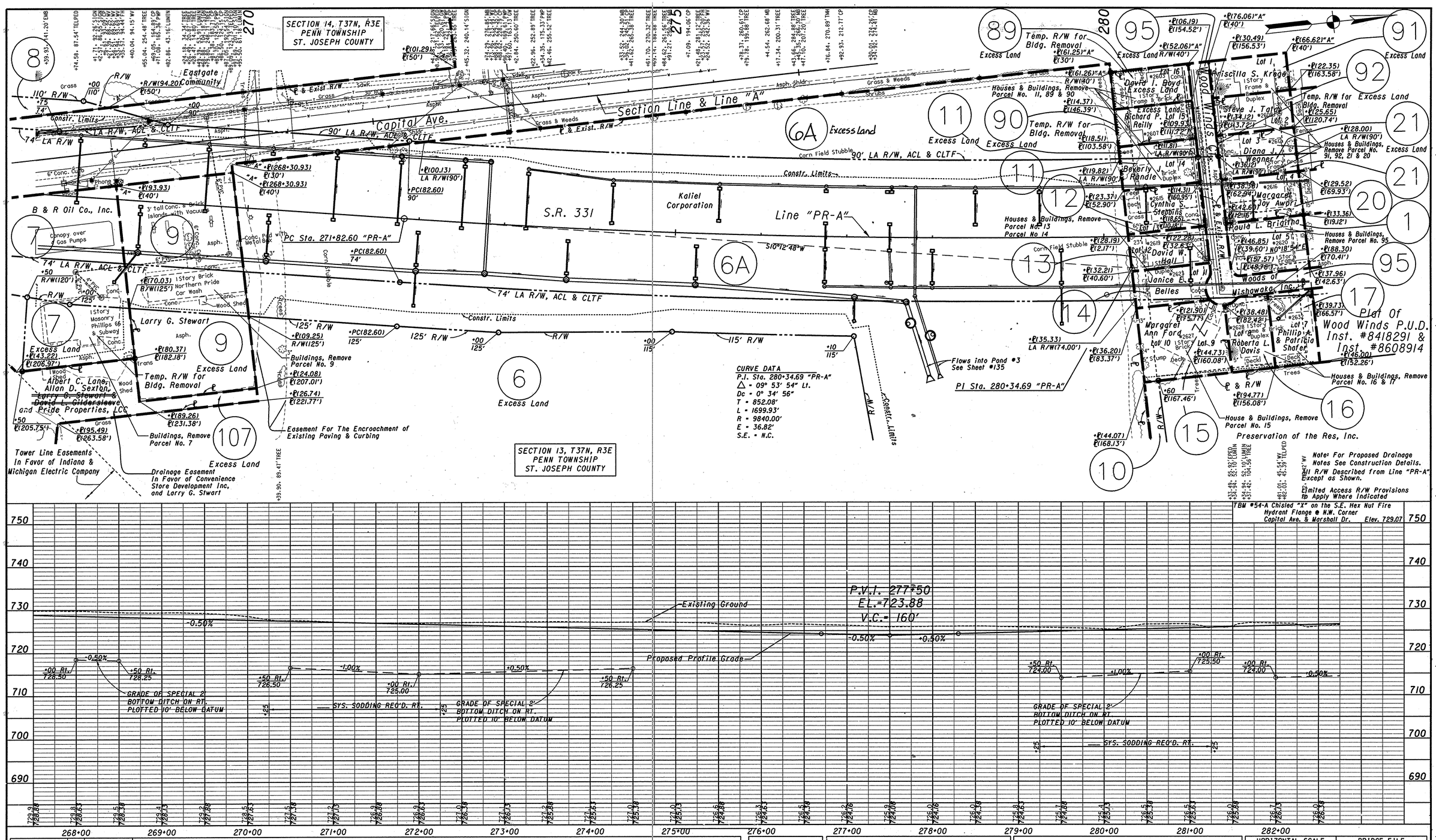
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
Line "PR-A" - S.R.331

HORIZONTAL SCALE 1"= 50'	BRIDGE FILE
VERTICAL SCALE 1"= 10'	DESIGNATION NO. 0200872
SURVEY BOOK	SHEETS 23 of 55
CONTRACT	PROJECT NO. STP-5171(015)

R/W CODE:4821

$USER $DATE$ $FILE$ $TIME$



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	
DESIGNED: HDP	DRAWN: EAK		
CHECKED: ADS	CHECKED: MJK		

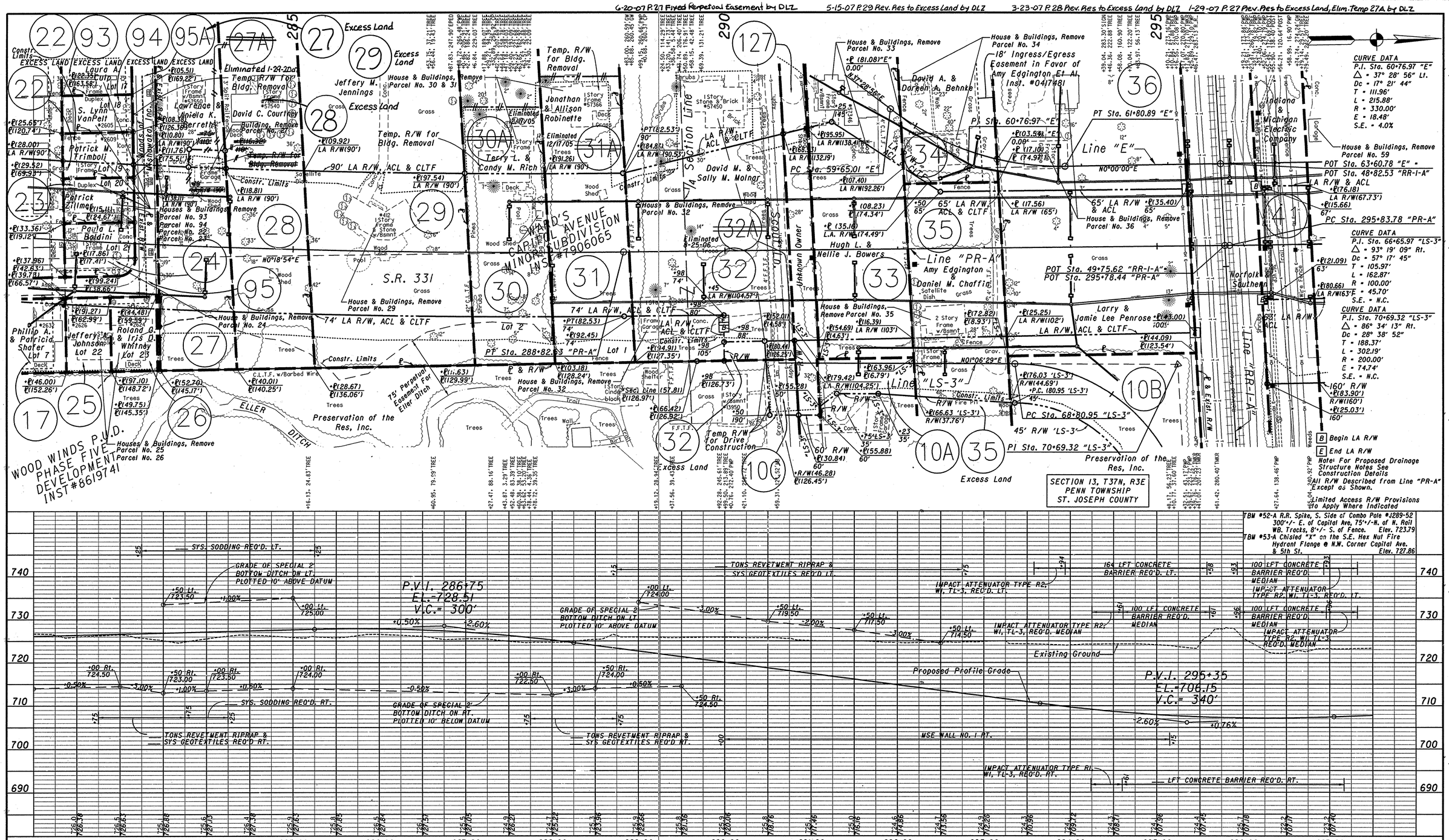
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "PR-A" - S.R.331

HORIZONTAL SCALE 1"= 50'	BRIDGE FILE
VERTICAL SCALE 1"= 10'	DESIGNATION NO. 0200872
SURVEY BOOK	SHEETS 24 of 55
CONTRACT	PROJECT NO. STP-5171(015)

R/W CODE:4821

6-20-07 P.27 Fixed Perpetual Easement by DLZ 5-15-07 P.29 Rev. Res to Excess Land by DLZ 3-23-07 P.28 Rev. Res to Excess Land by DLZ 1-29-07 P.27 Rev. Res to Excess Land, Elim. Temp 27A by DLZ



RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

DESIGNED: HDP DRAWN: EAK
CHECKED: ADS CHECKED: MJK

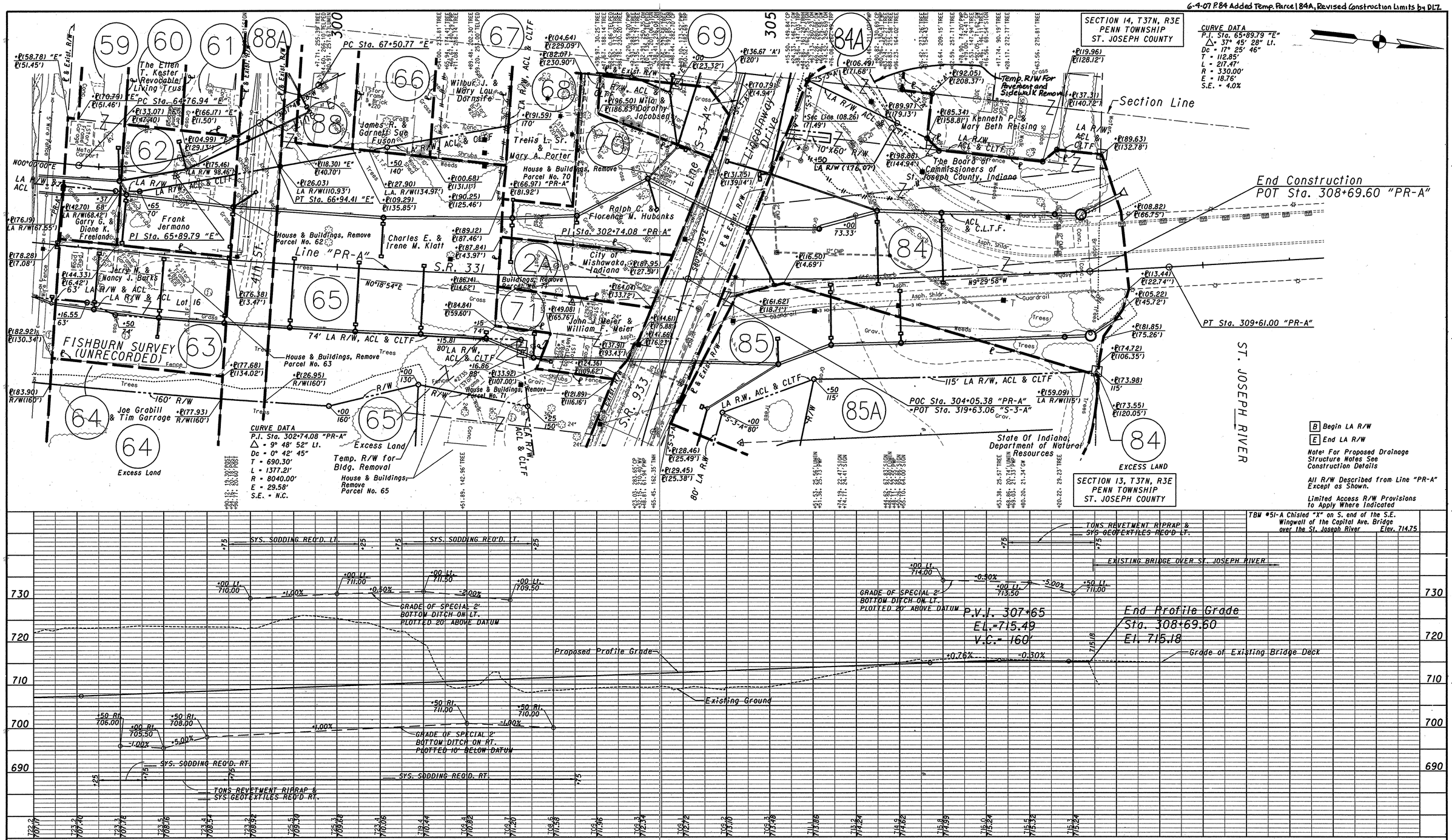
INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
Line "PR-A" - S.R. 331

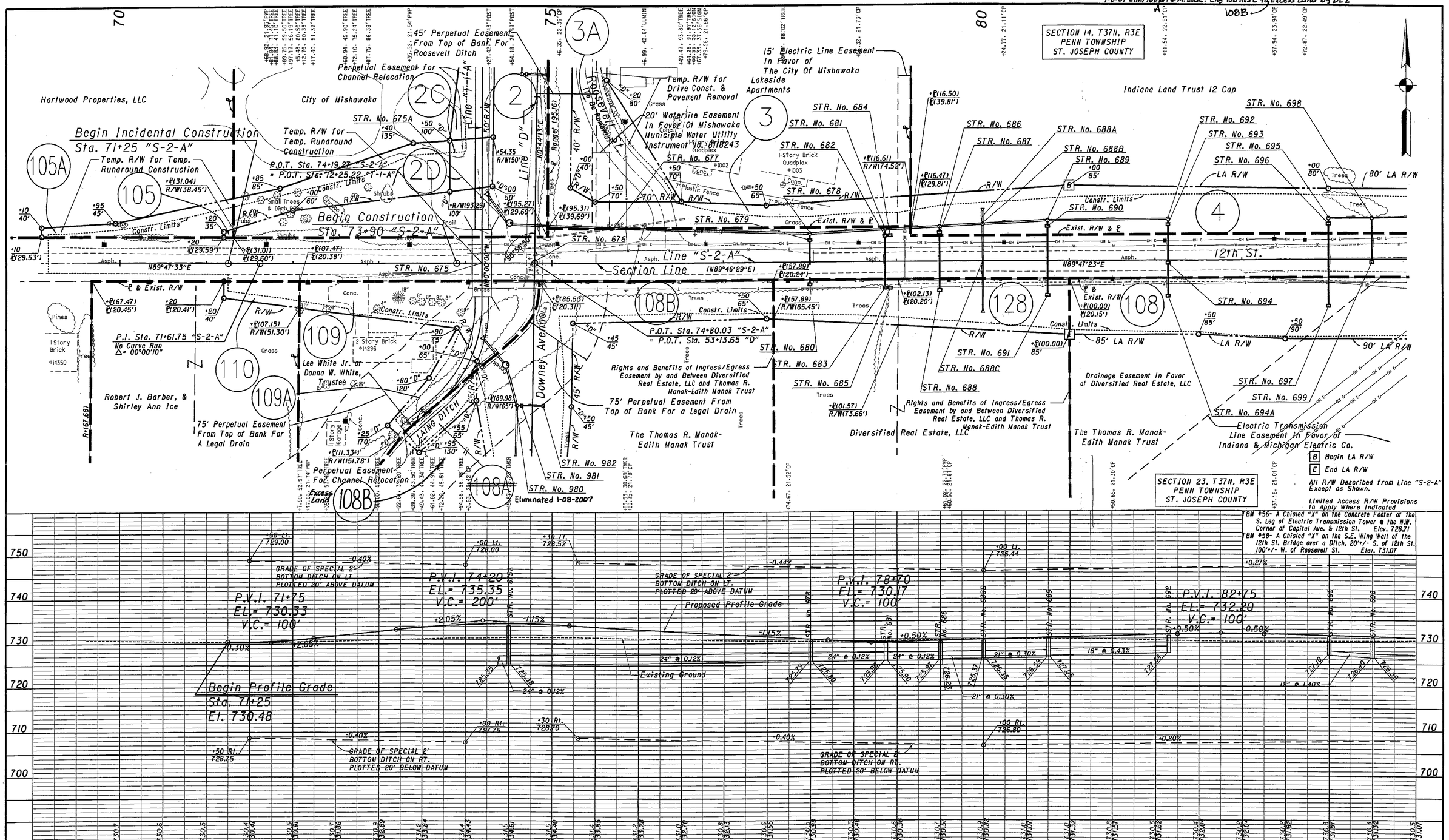
HORIZONTAL SCALE 1"= 50'	BRIDGE FILE
VERTICAL SCALE 1"= 10'	DESIGNATION NO. 0200872
SURVEY BOOK	SHEETS 25 of 55
CONTRACT	PROJECT NO. STP-5171(015)

R/W CODE:4821

6-4-07 P.84 Added Temp. Parcel 84A, Revised Construction Limits by DLZ



1-8-07 Elim 108B Perm. Ease. Chg 108 Res C to Excess Land by DLZ



RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: HDP DRAWN: EAK

CHECKED: ADS CHECKED: MJK

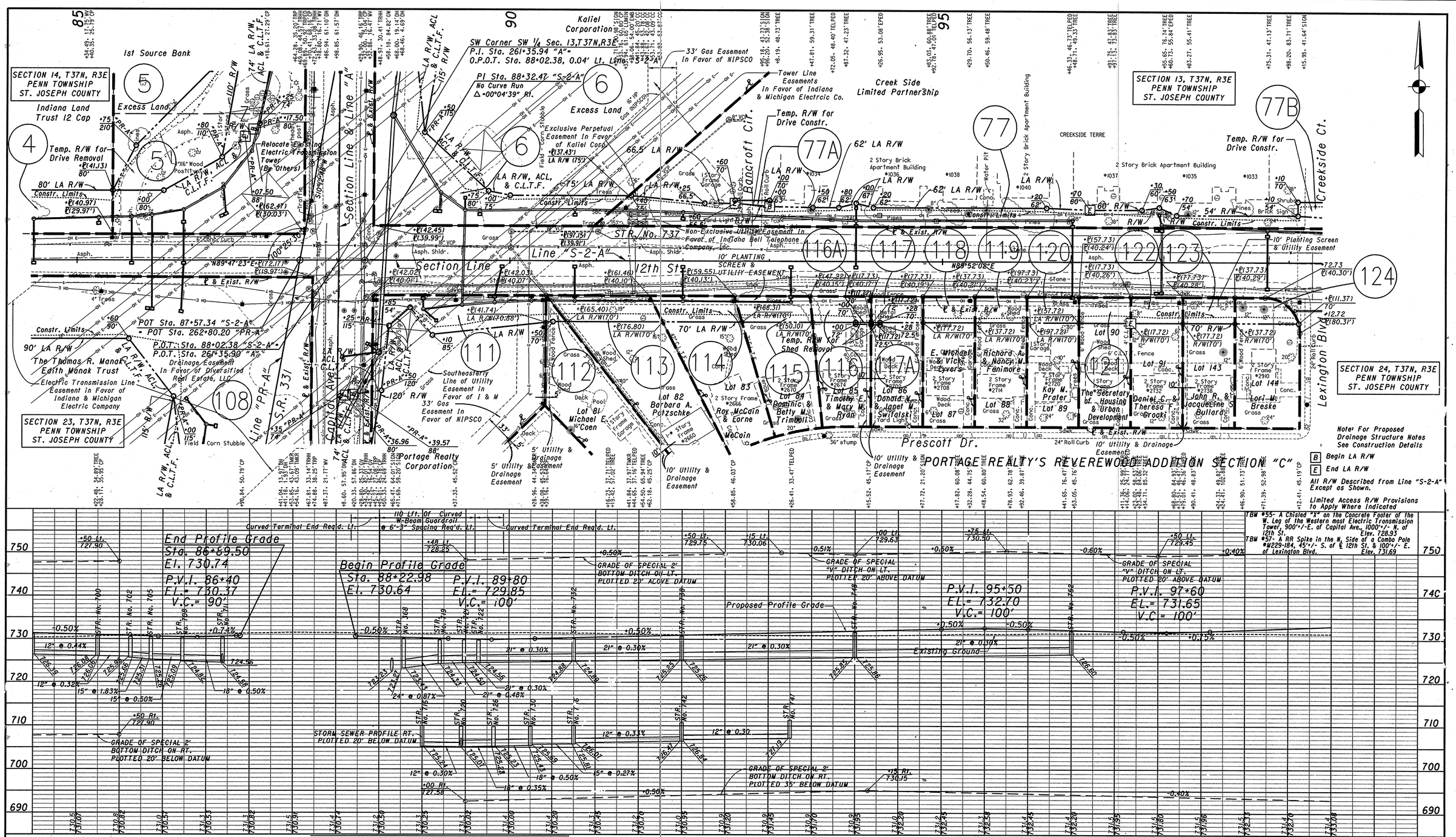
INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
Line "S-2-A" - 12th ST.

HORIZONTAL SCALE 1"= 50'	BRIDGE FILE
VERTICAL SCALE 1"= 10'	DESIGNATION NO. 0200872
SURVEY BOOK	SHEETS 27 of 55
CONTRACT	PROJECT NO. STP-5171(015)

R/W CODE:4821

10/12/2006 9:54:03 AM



RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: HDP | DRAWN: EAK
CHECKED: ADS | CHECKED: MJK

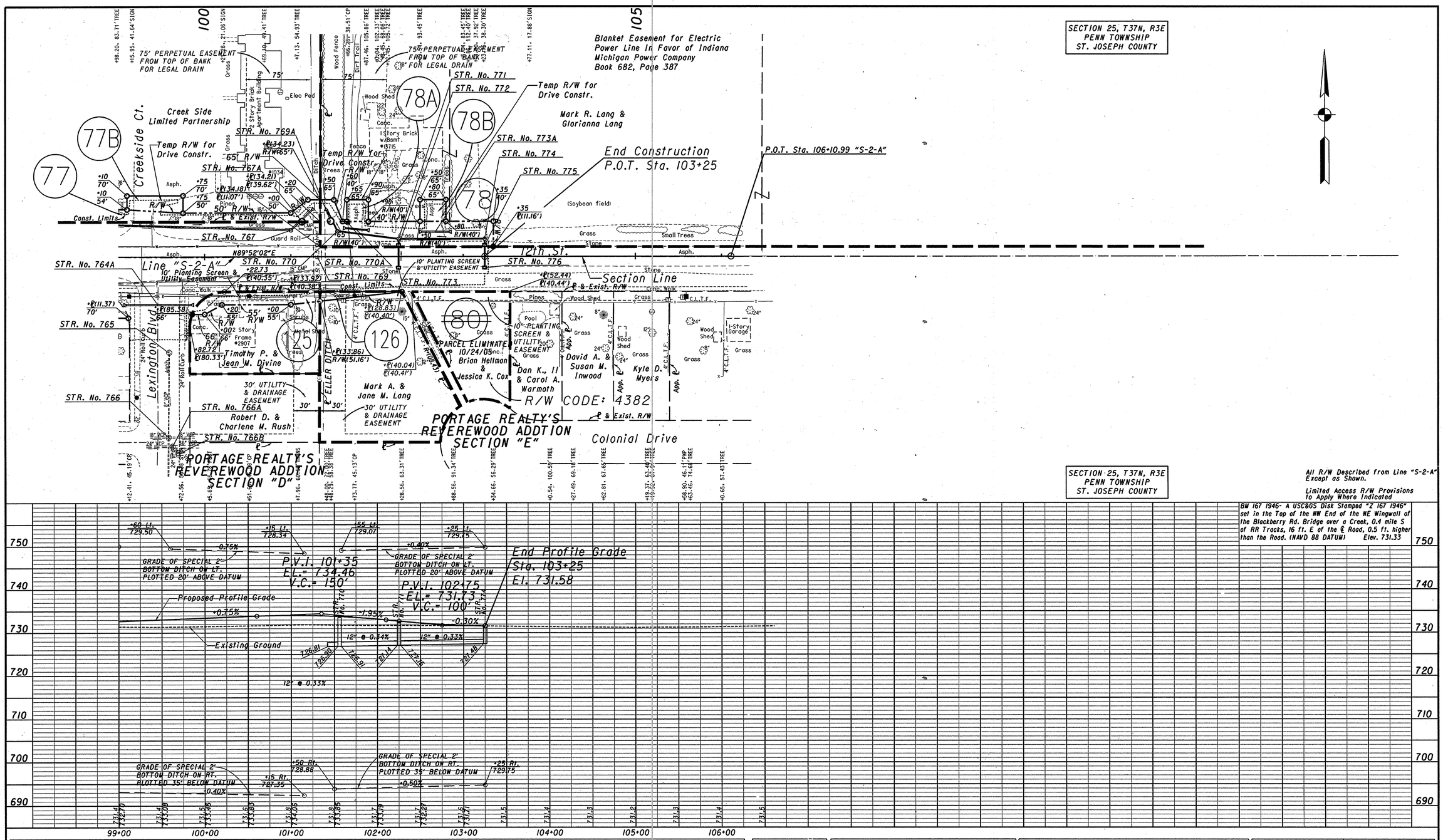
INDIANA
DEPARTMENT OF TRANSPORTATION

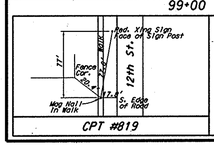
PLAN & PROFILE
Line "S-2-A" - 12th St.

HORIZONTAL SCALE	BRIDGE FILE
1"= 50'	
VERTICAL SCALE	DESIGNATION NO.
1"= 10'	0200872
SURVEY BOOK	SHEETS
	28 of 55
CONTRACT	PROJECT NO.
	STP-5171(015)

R/W CODE: 4821

$USER
$DATE$
$TIME$
$FILEA$





RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: HDP	DRAWN: EAK		
CHECKED: ADS	CHECKED: MJK		

INDIANA DEPARTMENT OF TRANSPORTATION

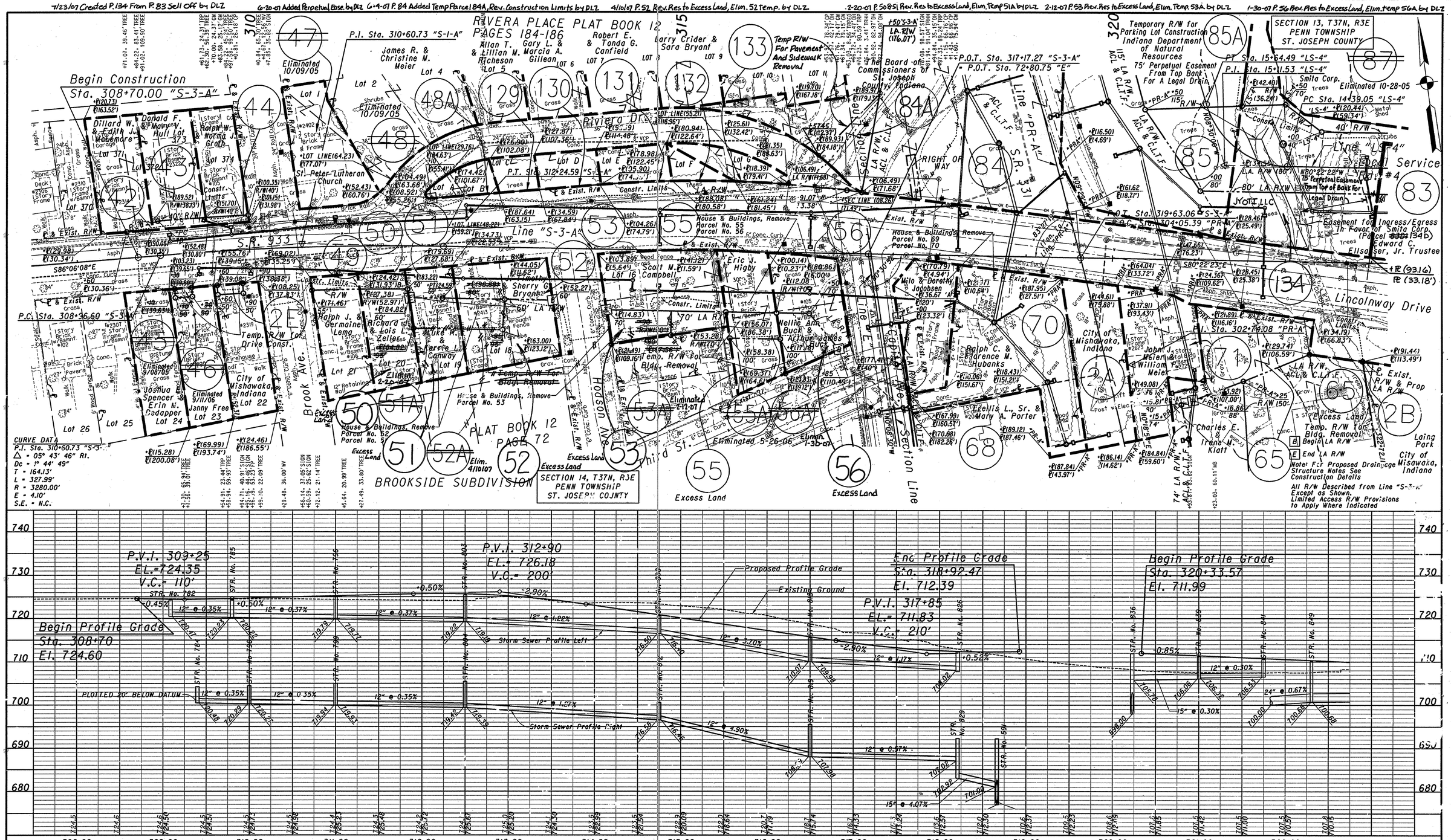
PLAN & PROFILE
LINE "S-2-A" - 12th ST.

HORIZONTAL SCALE 1"= 50'	BRIDGE FILE
VERTICAL SCALE 1"= 10'	DESIGNATION NO. 0200872
SURVEY BOOK	SHEETS 29 of 55
CONTRACT	PROJECT NO. STP-5171(015)

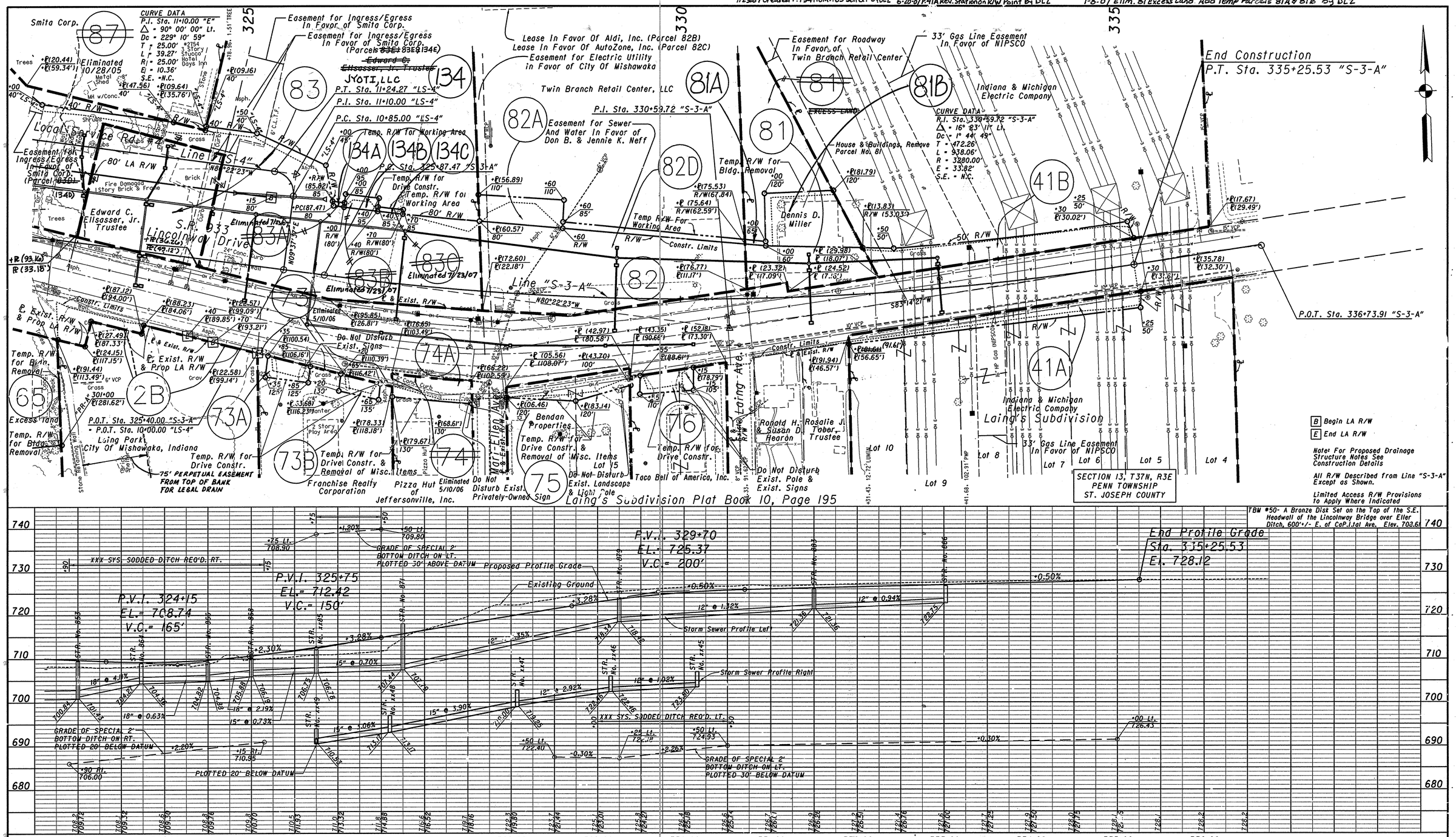
R/W CODE:4821

$TIME$
$USER
$DATE$
$FILE$

7/23/07 Created P.134 From P.83 Sell Off by DLZ | 6-20-07 Added Perpetual Ease. by DLZ | 6-4-07 P.84 Added Temp Parcel 184A, Rev. Construction Limits by DLZ | 4/10/07 P.52 Rev. Res to Excess Land, Elim. 52 Temp. by DLZ | 2-20-07 P.50&51 Rev. Res to Excess Land, Elim. Temp 51A by DLZ | 2-12-07 P.53 Rev. Res to Excess Land, Elim. Temp. 53A by DLZ | 1-30-07 P.56 Rev. Res to Excess Land, Elim. Temp 56A by DLZ



7/23/07 Created P. 134 From P. 83 Sell off by DLZ 6-20-07 P. 41A Rev. Station on R/W Point by DLZ Added Perpetual Easement 1-8-07 Elim. 81 Excess Land. Add Temp Parcels 81A & 81B by DLZ



CPT #830

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: HDP DRAWN: EAK

CHECKED: ADS CHECKED: MJK

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE

LINE "S-3-A" - S.R.933

HORIZONTAL SCALE 1"= 50'	BRIDGE FILE
VERTICAL SCALE 1"= 10'	DESIGNATION NO. 0200872
SURVEY BOOK	SHEETS 31 of 55
CONTRACT	PROJECT NO. STP-5171(015)

R/W CODE:4821

$USER$ $DATE$ $FILE$ $TIME$

\\INDOT\ 10/2/2006 10:33:40 AM

SECTION 14, T37N, R3E
PENN TOWNSHIP
ST. JOSEPH COUNTY

Brookside 2nd Addition City Of Mishawaka

Brookside Plat Book 12, Page 72

Begin Construction
Sta. 55+50.00 "E"
= O.P.O.T. Sta. 286+42.58,
7.12' Lt.

Section Line & Line "A"
Capital Ave.

Line "E"
Capital Ave.

Line "PR-A"
Amy Edgington & Daniel M. Chaffin

Line "RR-I-A"

Line "C-5"

Line "C-4"

Line "A"

Line "PR-I-A"

Southern Railroad & Norfolk & Exist. R/W

Unknown Owner

Scout Ln.

S.R. 331

WARD'S CAPITOL AVENUE MINOR SUB INST. #7906065

FLESHBURN SURVEY (UNRECORDED)

P.C. Sta. 56+37.91 "E"

P.T. Sta. 59+00.86 "E"

P.O.T. Sta. 288+06.15 "A"
P.O.C. Sta. 57+14.02 'E'

P.I. Sta. 57+73.89 "E"

P.T. Sta. 61+80.89 "E"

POT Sta. 63+60.78 "E"
POT Sta. 48+82.53 "RR-I-A"

P.I. Sta. 60+76.97 "E"

POT Sta. 49+75.62 "RR-I-A"
POT Sta. 295+78.44"PR-A"

P.C. Sta. 295+83.78 "PR-A"

P.T. Sta. 288+82.53 "PR-A"

P.C. Sta. 67+50.77 "E"

P.I. Sta. 65+89.79 "E"

CURVE DATA
P.I. Sta. 57+73.89 "E"
Δ = 37° 33' 00" Rt.
Dc = 14° 19' 26"
T = 135.98'
L = 262.15'
R = 400.00'
E = 22.48'
S.E. = 4.0%

CURVE DATA
P.I. Sta. 60+76.97 "E"
Δ = 37° 28' 56" Lt.
Dc = 17° 21' 44"
T = 111.96'
L = 215.88'
R = 330.00'
E = 18.48'
S.E. = 4.0%

CURVE DATA
P.I. Sta. 65+89.79 "E"
Δ = 37° 45' 28" Lt.
Dc = 17° 21' 44"
T = 112.85'
L = 217.47'
R = 330.00'
E = 18.76'
S.E. = 4.0%

B Begin LA R/W
E End LA R/W

Note: For Proposed Drainage Structure Notes See Construction Details

All R/W Described from Line "E" Except as Shown.

Limited Access R/W Provisions To Apply Where Indicated

SECTION 13, T37N, R3E
PENN TOWNSHIP
ST. JOSEPH COUNTY

Begin Profile Grade
Sta. 55+50
El. 726.31

P.V.I. 56+25
El.= 726.07
V.C.= 100'

P.V.I. 57+50
El.= 726.94
V.C.= 150'

Existing Ground

Proposed Profile Grade

P.V.I. 62+50
El.= 707.74
V.C.= 150'

P.V.I. 64+50
El.= 706.74
V.C.= 190'

MSE WALL NO. 2 LT.

IMPACT ATTENUATOR TYPE LS, W/ TL-3, REQ'D. LT.

255 LFT CONCRETE BARRIER REQ'D. LT.

IMPACT ATTENUATOR TYPE LS, W/ TL-3, REQ'D. LT.

STR. No. 1040 · STR. No. 1042 · STR. No. 1047 · STR. No. 1049 · STR. No. 1051 · STR. No. 1053 · STR. No. 1055 · STR. No. 1058 · STR. No. 1062 · STR. No. 1065 · STR. No. 1067 · STR. No. 1069

CPT #908 · CPT #909

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: HDP · DRAWN: EAK
CHECKED: ADS · CHECKED: MJK

INDIANA
DEPARTMENT OF TRANSPORTATION

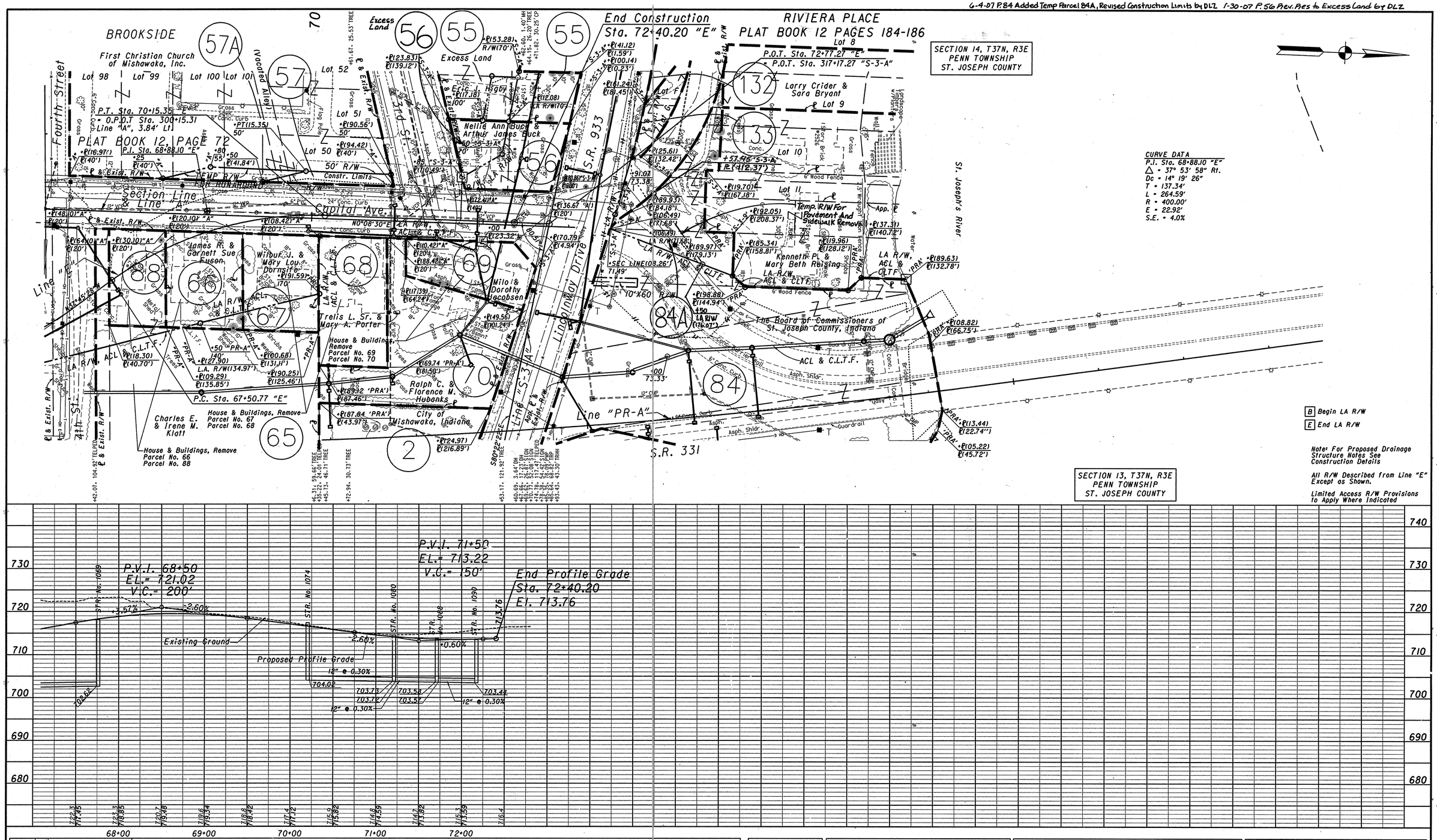
PLAN & PROFILE
LINE "E" - CAPITAL AVE.

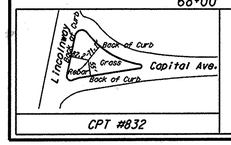
HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION NO.
1" = 10'	0200872
SURVEY BOOK	SHEETS
	32 of 55
CONTRACT	PROJECT NO.
	STP-5171(015)

R/W CODE: 4821

$TIME$
$USER
$DATE$
$FILE$

6-4-07 P.84 Added Temp Parcel 84A, Revised Construction Limits by DLZ 1-30-07 P.56 Prev. Pres to Excess Land by DLZ





CPT #832

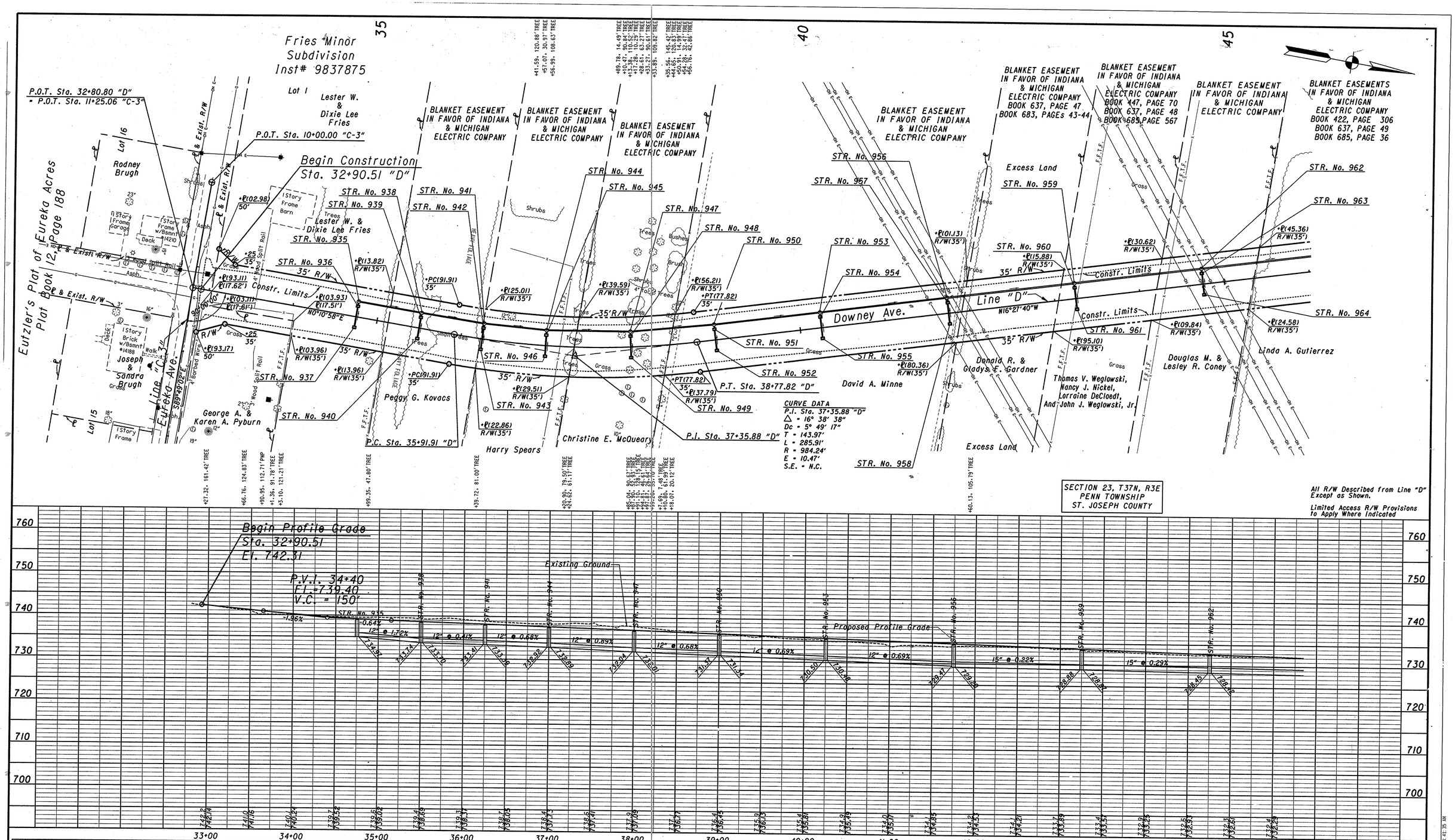
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	
DESIGNED: HDP	DRAWN: EAK		
CHECKED: ADS	CHECKED: MJK		

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
Line "E" - CAPITAL AVE.

HORIZONTAL SCALE 1"= 50'	BRIDGE FILE
VERTICAL SCALE 1"= 10'	DESIGNATION NO. 0200872
SURVEY BOOK	SHEETS 33 of 55
CONTRACT	PROJECT NO. STP-5171(015)

R/W CODE:4821



RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: HDP DRAWN: EAK

CHECKED: ADS CHECKED: MJK

INDIANA DEPARTMENT OF TRANSPORTATION

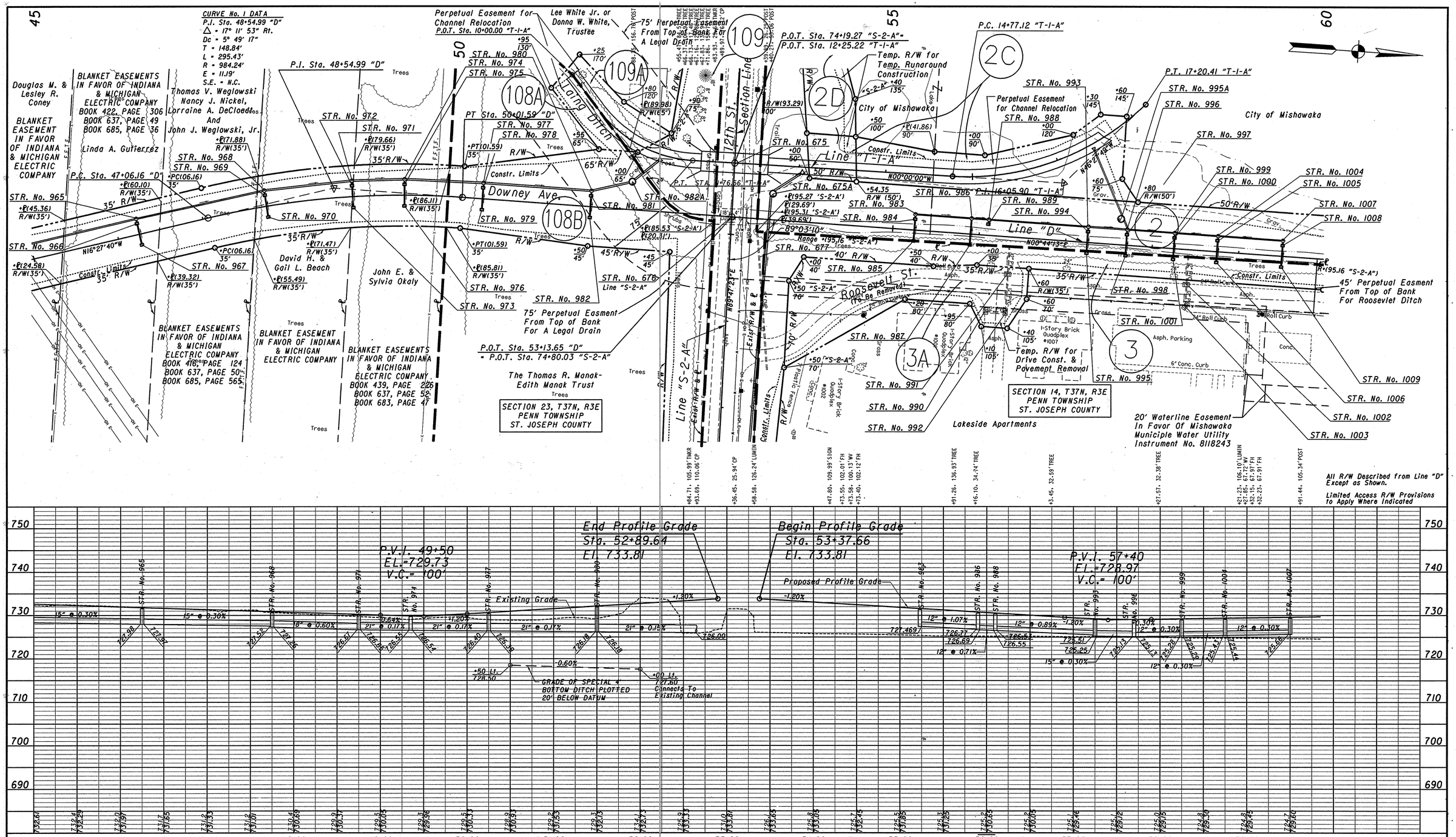
PLAN & PROFILE

LINE "D"- DOWNEY AVE. EXTENSION

HORIZONTAL SCALE	BRIDGE FILE
1"= 50'	
VERTICAL SCALE	DESIGNATION NO.
1"= 10'	0200872
SURVEY BOOK	SHEETS
	34 of 55
CONTRACT	PROJECT NO.
	STP-5171(015)

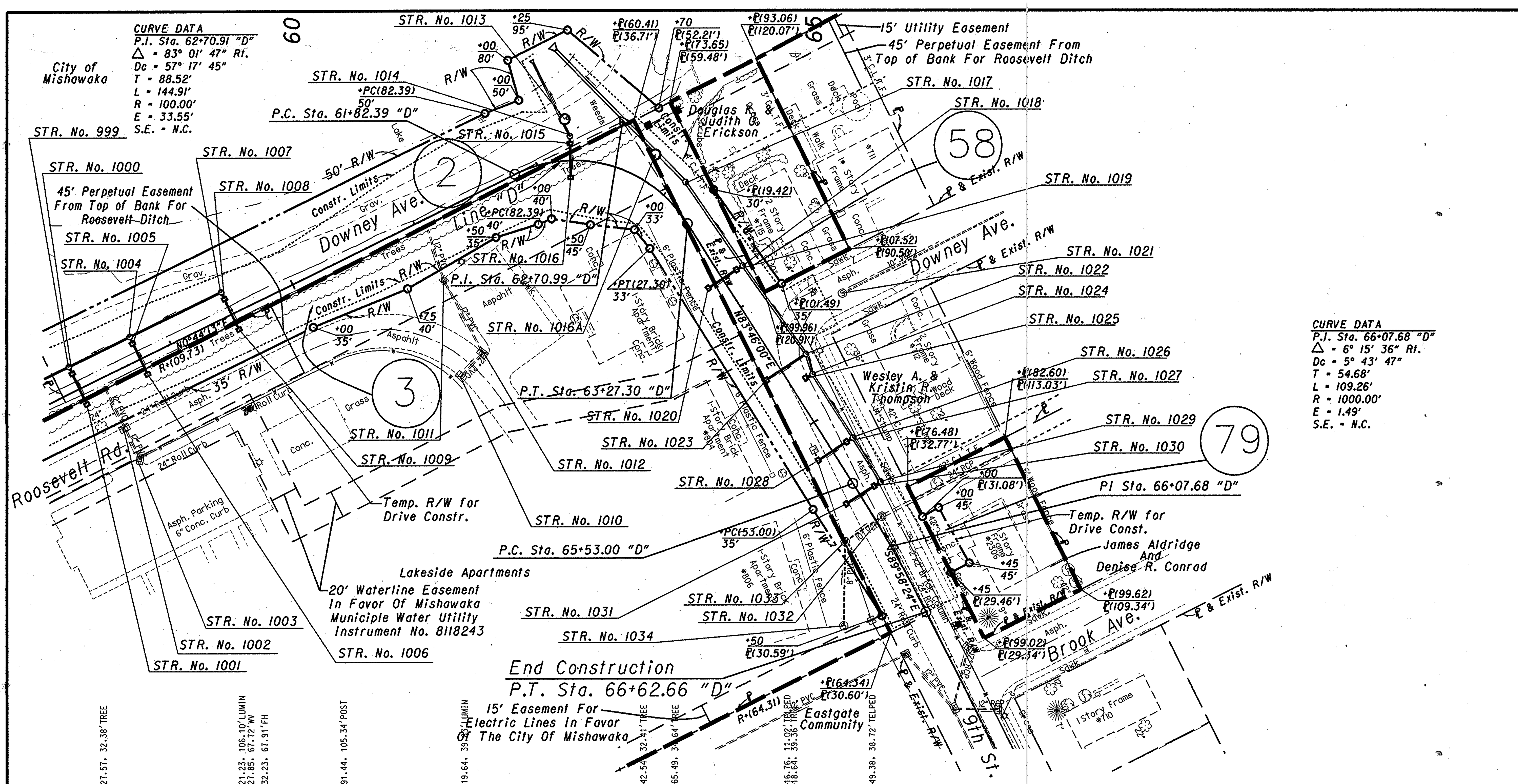
R/W CODE:4821

$TIME$
$USER
$DATE$
$FILE$



RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 50'	BRIDGE FILE
		VERTICAL SCALE 1'= 10'	DESIGNATION NO. 0200872
DESIGNED: HDP DRAWN: EAK	PLAN & PROFILE	SURVEY BOOK	SHEETS 35 of 55
CHECKED: ADS CHECKED: MJK	Line "D"- DOWNEY AVE. EXTENSION	CONTRACT	PROJECT NO. STP-5171(015)

R/W CODE:4821



SECTION 14, T37N, R3E
PENN TOWNSHIP
ST. JOSEPH COUNTY

All R/W Described from Line "D" Except as Shown.

Limited Access R/W Provisions to Apply Where Indicated

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 50'	BRIDGE FILE
		VERTICAL SCALE 1"= 10'	DESIGNATION NO. 0200872
DESIGNED: HDP / DRAWN: EAK	PLAN & PROFILE	SURVEY BOOK	SHEETS 36 of 55
CHECKED: ADS / CHECKED: MJK	LINE "D" DOWNEY RD. EXTENSION	CONTRACT	PROJECT NO. STP-5171(015)

R/W CODE:4821

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RECOMMENDED FOR APPROVAL ______ DESIGN ENGINEER DATE

DESIGNED: HDP	DRAWN: EAK
CHECKED: ADS	CHECKED: MJK

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
Line "LS-3"

HORIZONTAL SCALE	BRIDGE FILE
1"= 50'	
VERTICAL SCALE	DESIGNATION NO.
1"= 10'	0200872
SURVEY BOOK	SHEETS
	37 of 55
CONTRACT	PROJECT NO.
	STP-5171(015)

R/W CODE:4821

$USER $DATE$ $FILEA$ $TIME$

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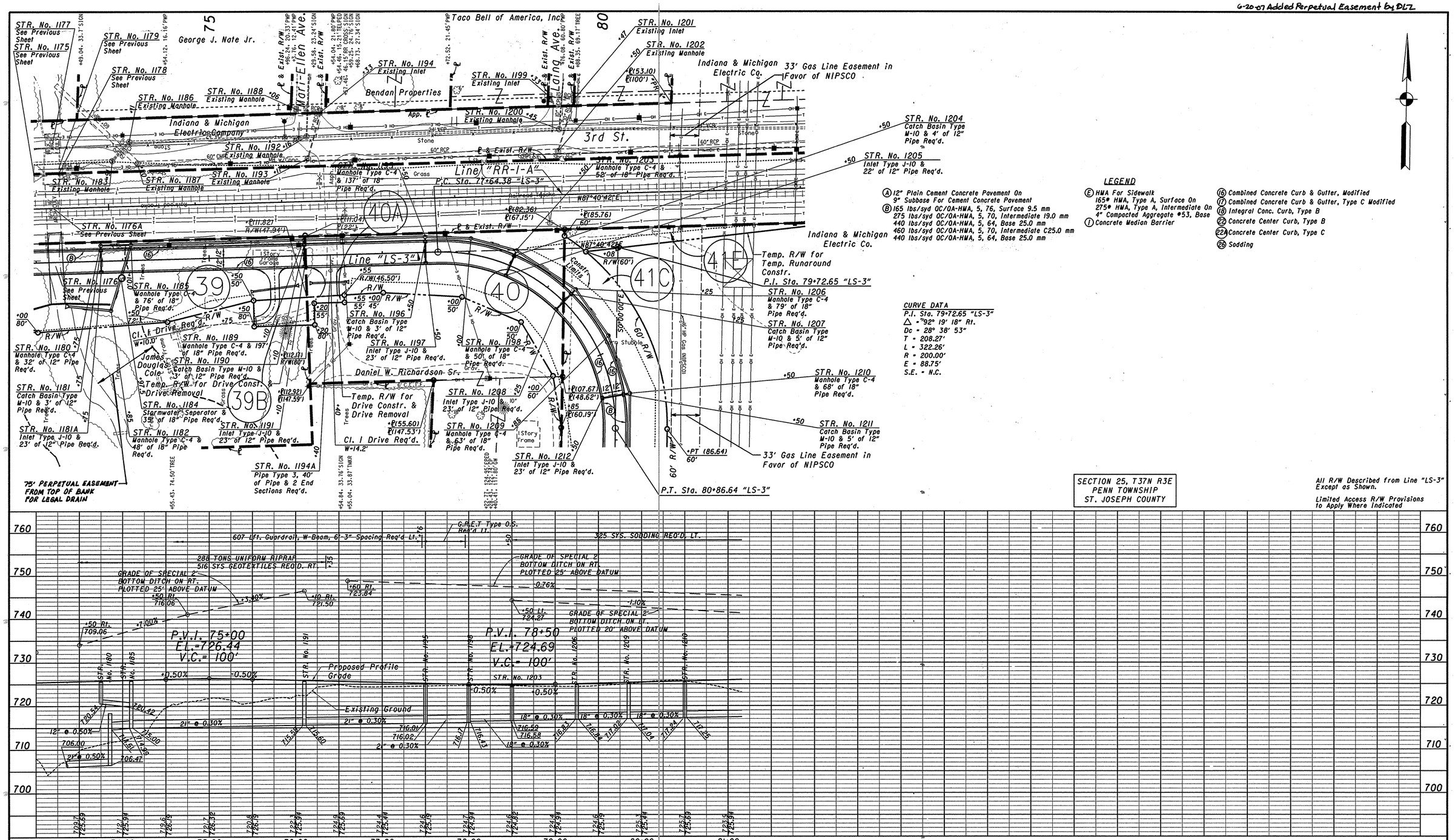
6-20-07 Added Perpetual Easement by DLZ

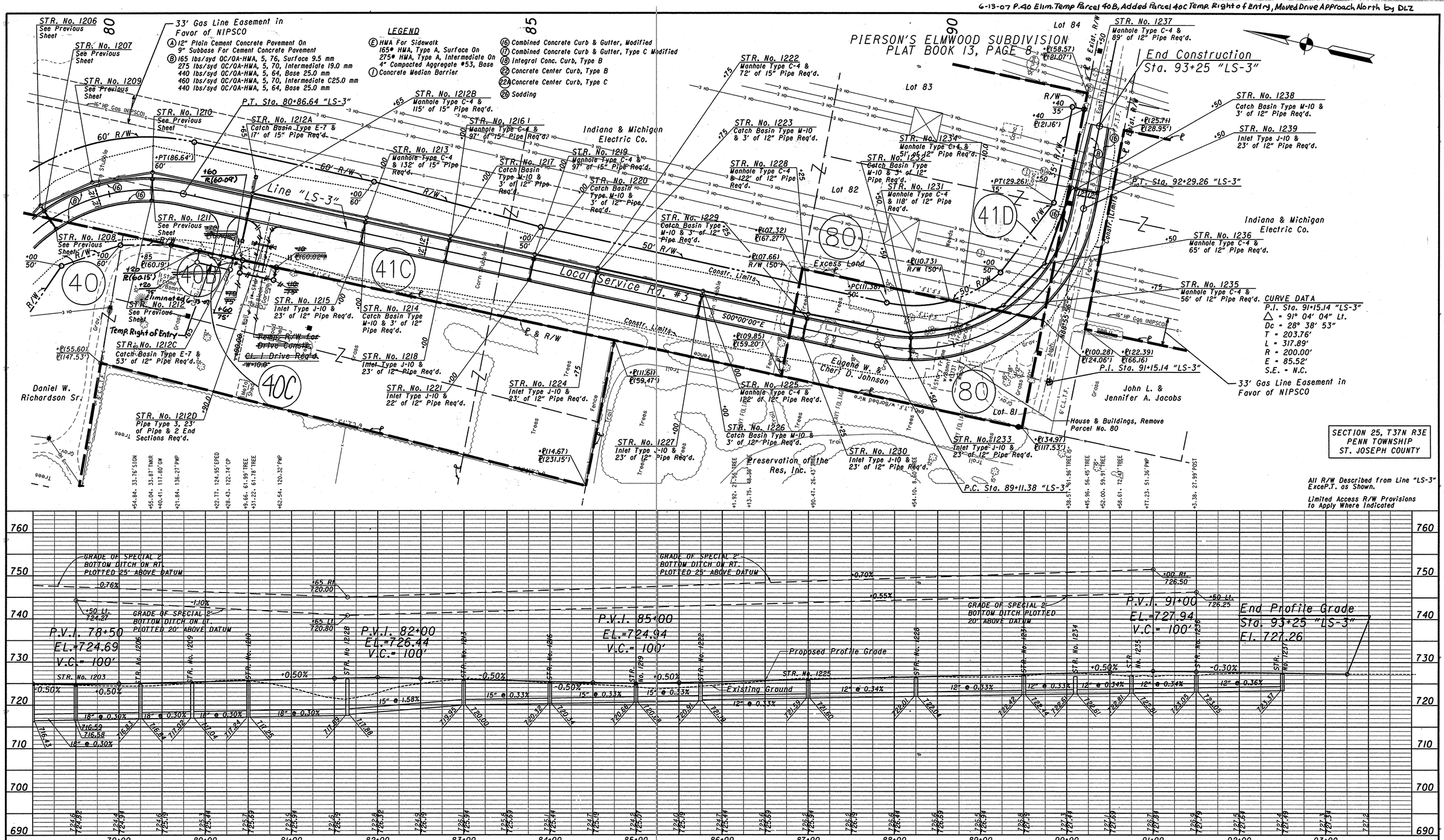


RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 50'	BRIDGE FILE
		VERTICAL SCALE 1"= 10'	DESIGNATION NO. 0200872
DESIGNED: HDP / DRAWN: EAK	PLAN & PROFILE Line "LS-3"	SURVEY BOOK	SHEETS 38 of 55
CHECKED: ADS / CHECKED: MJK		CONTRACT	PROJECT NO. STP-5171(015)

R/W CODE:4821

$USER $DATE$ $FILE$ $TIME$

6-13-07 P.40 Elim. Temp Parcel 40B, Added Parcel 40C Temp. Right of Entry, Moved Drive Approach North by DLZ

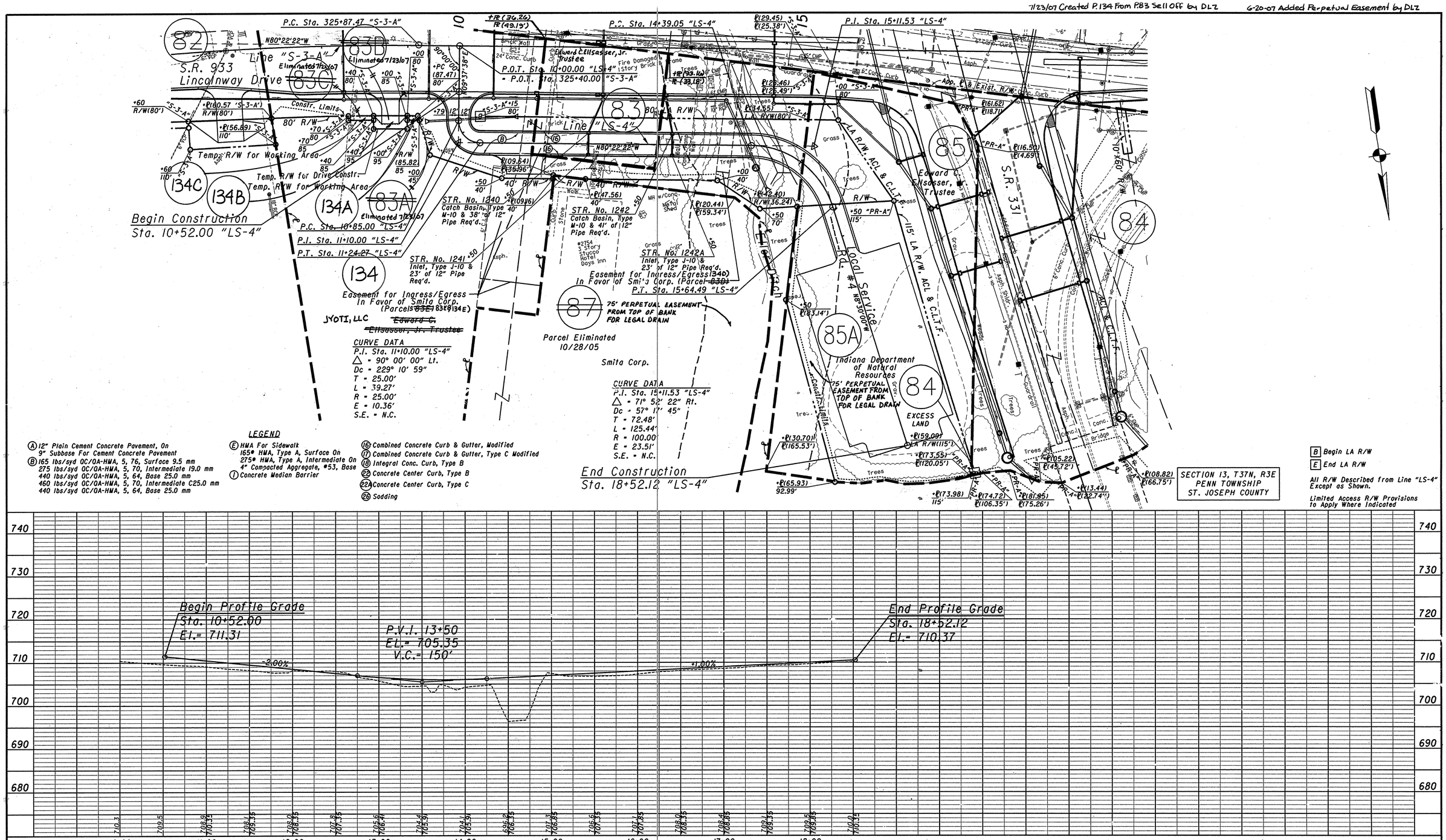


RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 50' / VERTICAL SCALE 1"= 10' / BRIDGE FILE / DESIGNATION NO. 0200872
DESIGNED: HDP DRAWN: EAK	PLAN & PROFILE LINE "LS-3"	SURVEY BOOK / SHEETS 39 of 55
CHECKED: ADS CHECKED: MJK		CONTRACT / PROJECT NO. STP-5171(015)

R/W CODE:4821

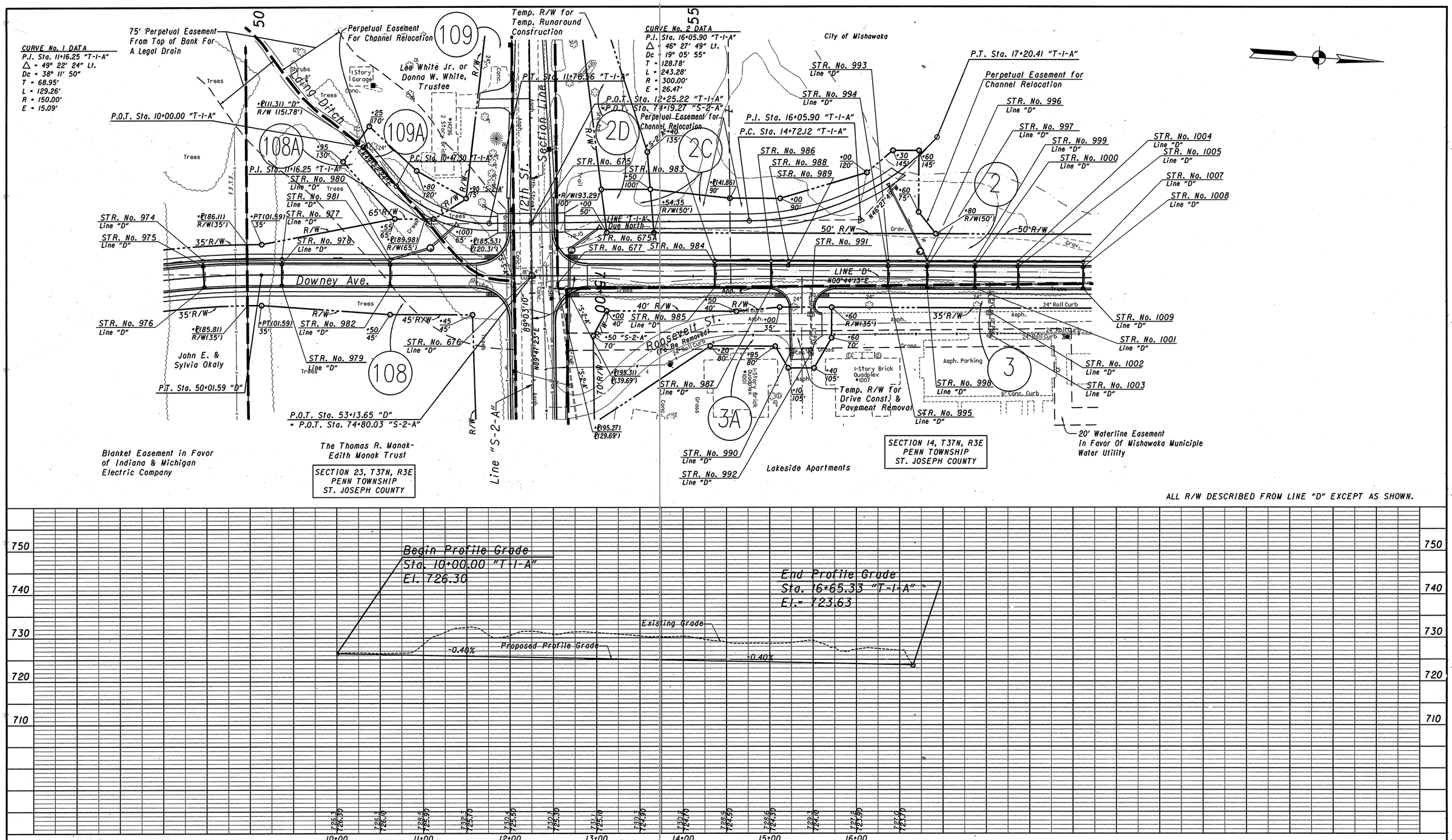
$USER $TIME$ $DATE$ $FILE$

7/23/07 Created P.134 From P.83 Sell Off by DLZ 6-20-07 Added Perpetual Easement by DLZ



RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 50'	BRIDGE FILE
		VERTICAL SCALE 1"= 10'	DESIGNATION NO. 0200872
DESIGNED: _____ DRAWN: _____	PLAN & PROFILE LINE "LS-4"	SURVEY BOOK	SHEETS 40 of 55
CHECKED: _____ CHECKED: _____		CONTRACT	PROJECT NO. STP-5171(015)

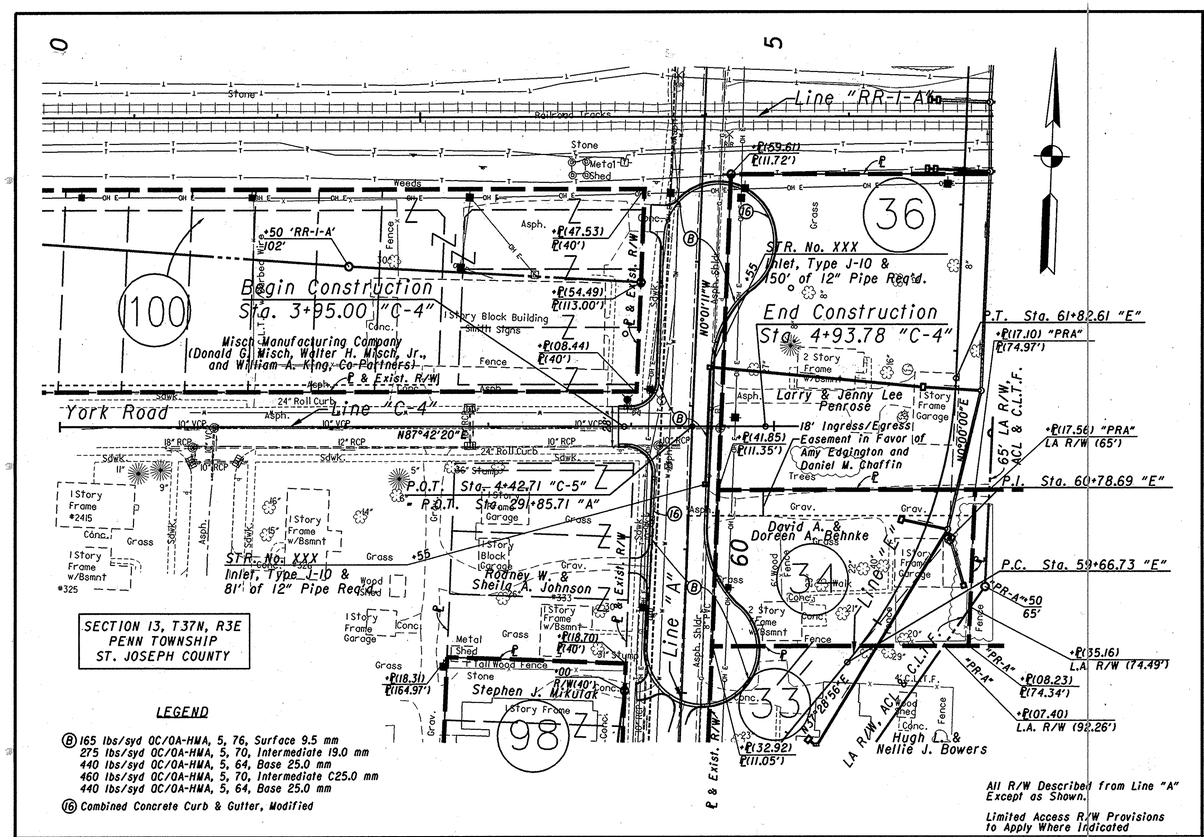
R/W CODE:4821



RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 50'	BRIDGE FILE
		VERTICAL SCALE 1"= 10'	DESIGNATION NO. 0200872
DESIGNED: _____ DRAWN: _____	PLAN & PROFILE LINE "T-1-A"	SURVEY BOOK	SHEETS 41 of 55
CHECKED: _____ CHECKED: _____		CONTRACT	PROJECT NO. STP-5171(015)

R/W CODE:4821

$USER $DATE $FILE$ $TIME$



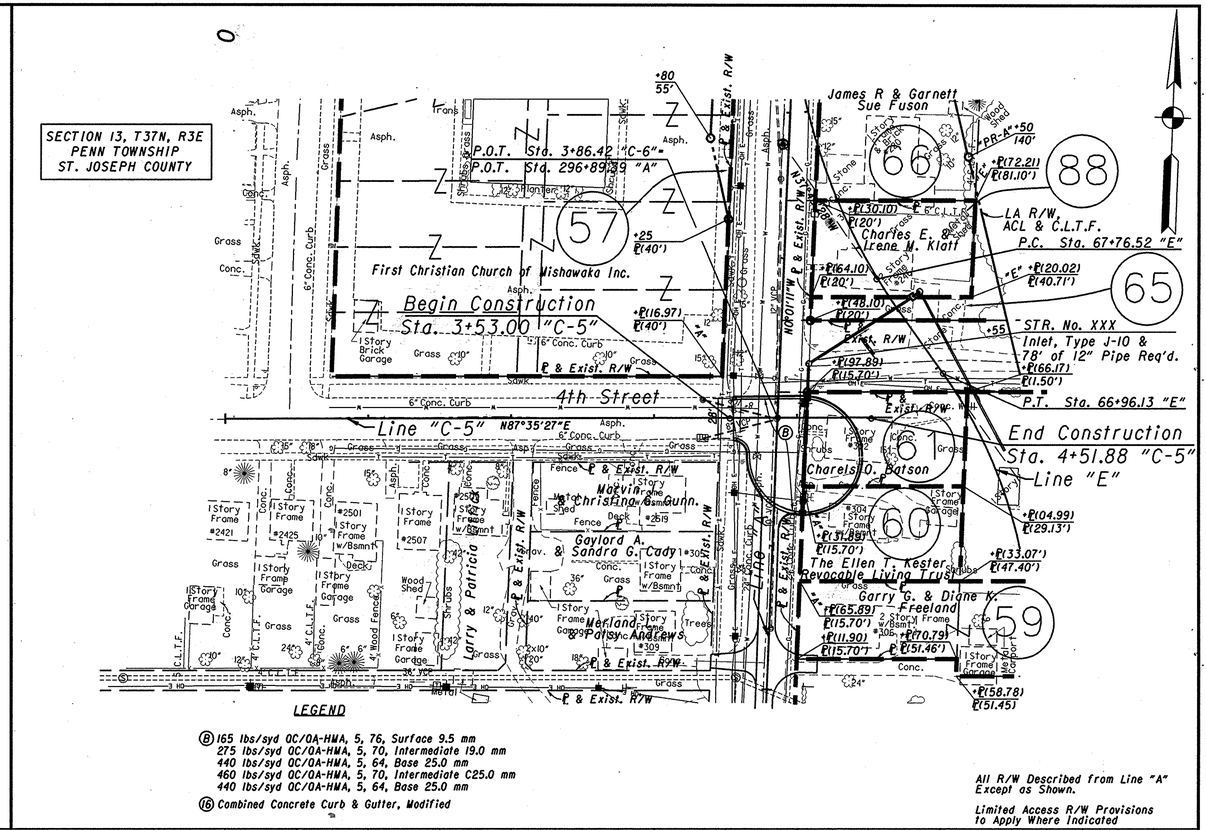
LEGEND

(B) 165 lbs/syd QC/QA-HMA, 5, 76, Surface 9.5 mm
275 lbs/syd QC/QA-HMA, 5, 70, Intermediate 19.0 mm
440 lbs/syd QC/QA-HMA, 5, 64, Base 25.0 mm
460 lbs/syd QC/QA-HMA, 5, 70, Intermediate C25.0 mm
440 lbs/syd QC/QA-HMA, 5, 64, Base 25.0 mm

(16) Combined Concrete Curb & Gutter, Modified

All R/W Described from Line "A" Except as Shown.

Limited Access R/W Provisions to Apply Where Indicated



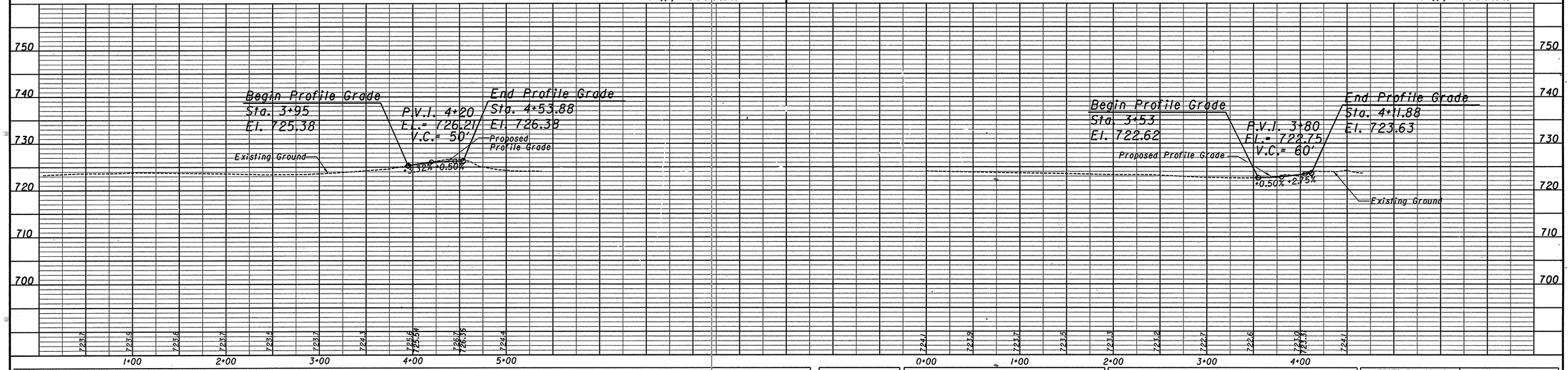
LEGEND

(B) 165 lbs/syd QC/QA-HMA, 5, 76, Surface 9.5 mm
275 lbs/syd QC/QA-HMA, 5, 70, Intermediate 19.0 mm
440 lbs/syd QC/QA-HMA, 5, 64, Base 25.0 mm
460 lbs/syd QC/QA-HMA, 5, 70, Intermediate C25.0 mm
440 lbs/syd QC/QA-HMA, 5, 64, Base 25.0 mm

(16) Combined Concrete Curb & Gutter, Modified

All R/W Described from Line "A" Except as Shown.

Limited Access R/W Provisions To Apply Where Indicated



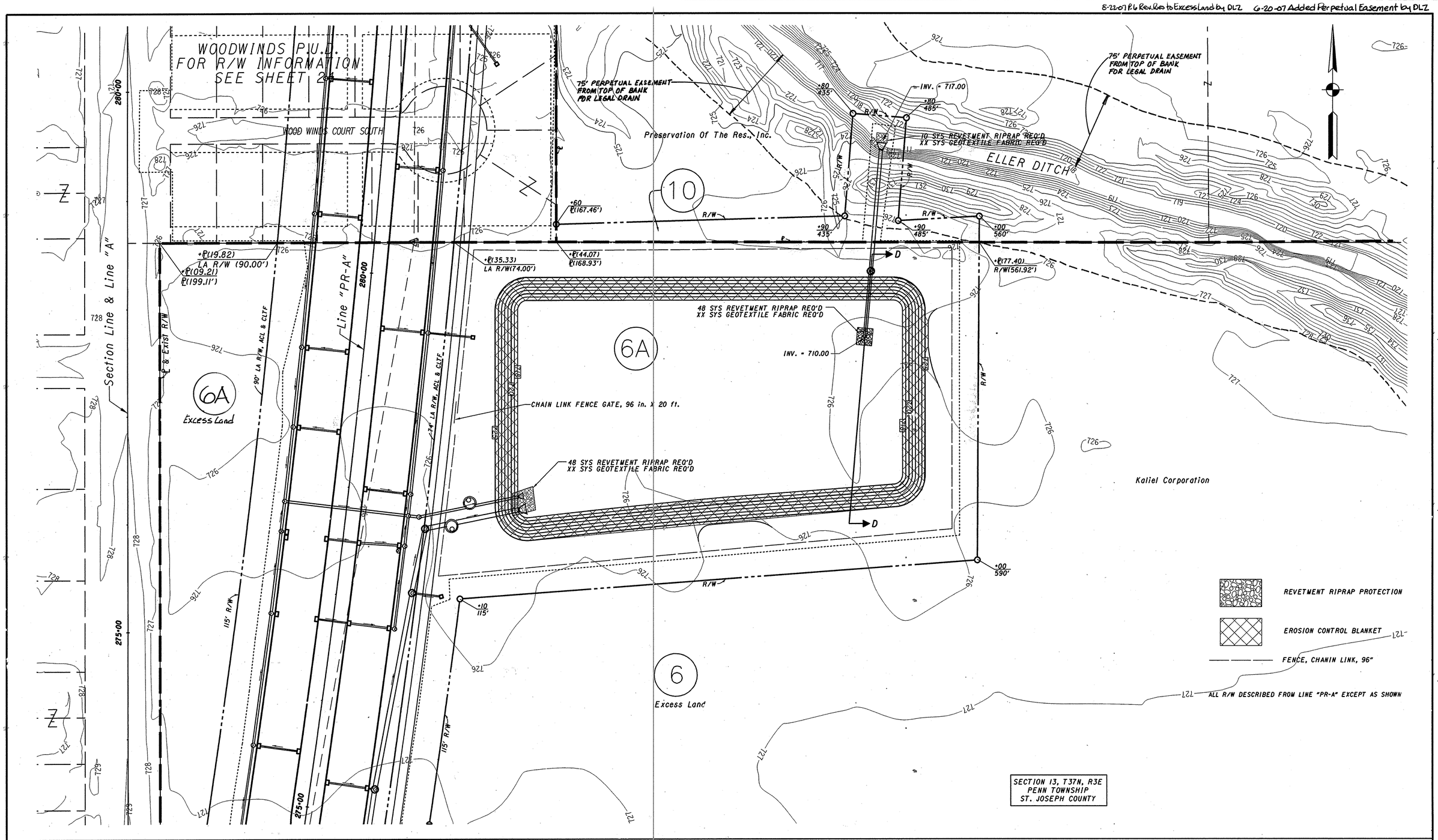
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"= 50'	BRIDGE FILE
		VERTICAL SCALE 1"= 10'	DESIGNATION NO. 0200872
DESIGNED: ADS / DRAWN: EAK	PLAN & PROFILE	SURVEY BOOK	SHEETS 42 of 55
CHECKED: MJK / CHECKED: MJK	LINE "C-4" & LINE "C-5"	CONTRACT	PROJECT NO. STP-5171(015)

R/W CODE:4821

$USER $DATE$ $FILE$ $TIME$

\\16001.0700.3_PP_PM_C4_C5_01.d 10/2/2006 7:39:51 AM

8-22-07 P.6 Rev. Res to Excess Land by DLZ 6-20-07 Added Perpetual Easement by DLZ



RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=40' / BRIDGE FILE
DESIGNED: AWH	DRAWN: CWW	DETENTION POND #3 DETAILS	VERTICAL SCALE / DESIGNATION NO. 0200872
CHECKED: BJP	CHECKED: MJK		SURVEY BOOK / SHEETS 43 of 55
			CONTRACT / PROJECT NO. STP-5171(015)

R/W CODE:4821

$USER $DATE$ $FILEA$ $TIME$

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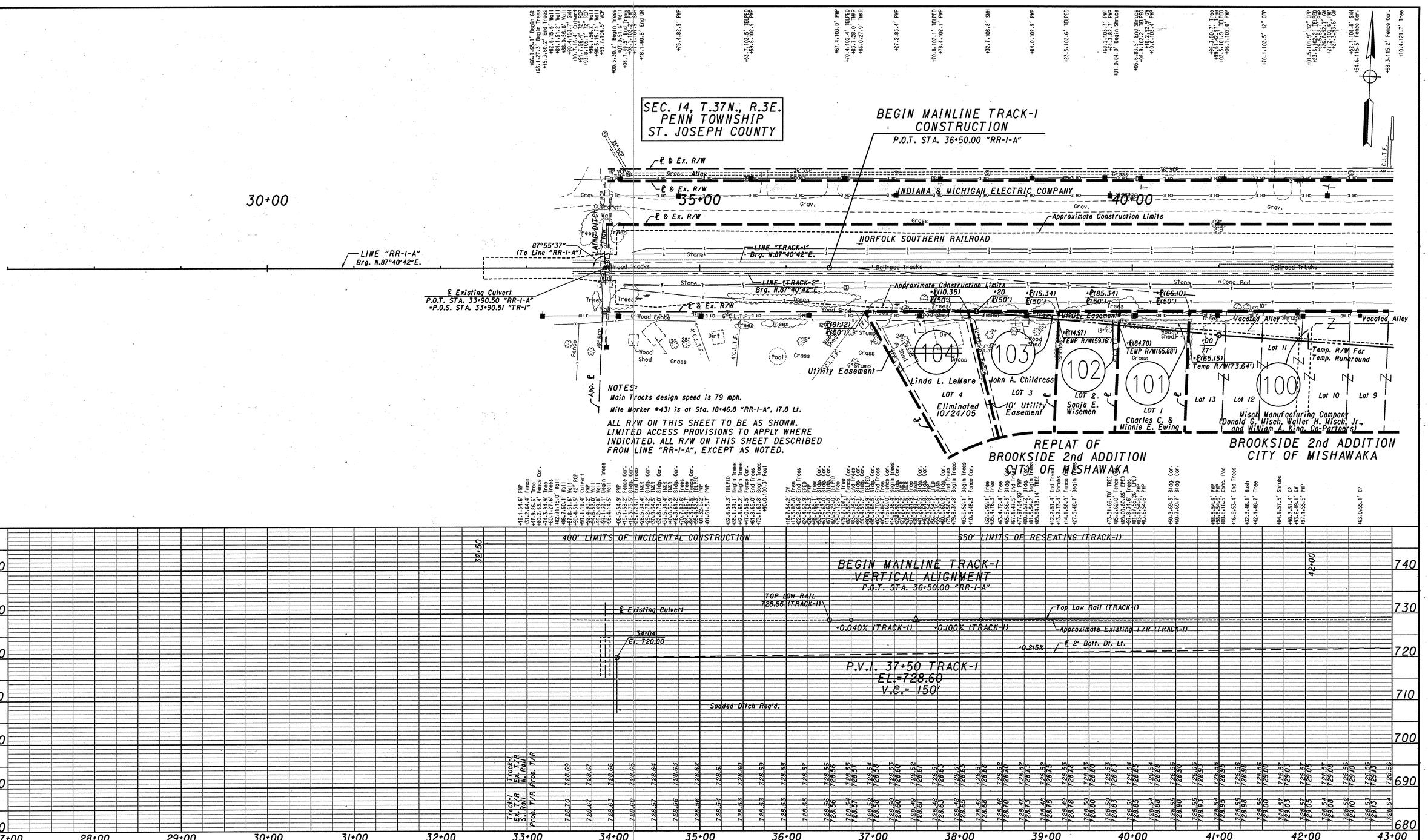
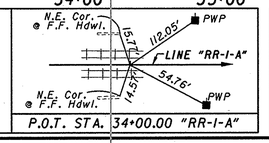


BENCH MARKS:

ACE TBM#51 - A Chiseled "X" on S. end of S.E. Wingwall of Capital Ave. Br. over St. Joseph R. El. 714.75

ACE TBM#53 - A Chiseled "X" on S.E. hex nut Fire Hydrant flange @ N.W. cor. Capital Ave. & 5th St. El. 727.86



P.O.T. STA. 34+00.00 "RR-1-A"

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

DESIGNED: RJC 8/04/03 | DRAWN: RJC 8/28/03

CHECKED: DAD 9/11/03 | CHECKED: DAD 9/11/03

INDIANA
DEPARTMENT OF TRANSPORTATION

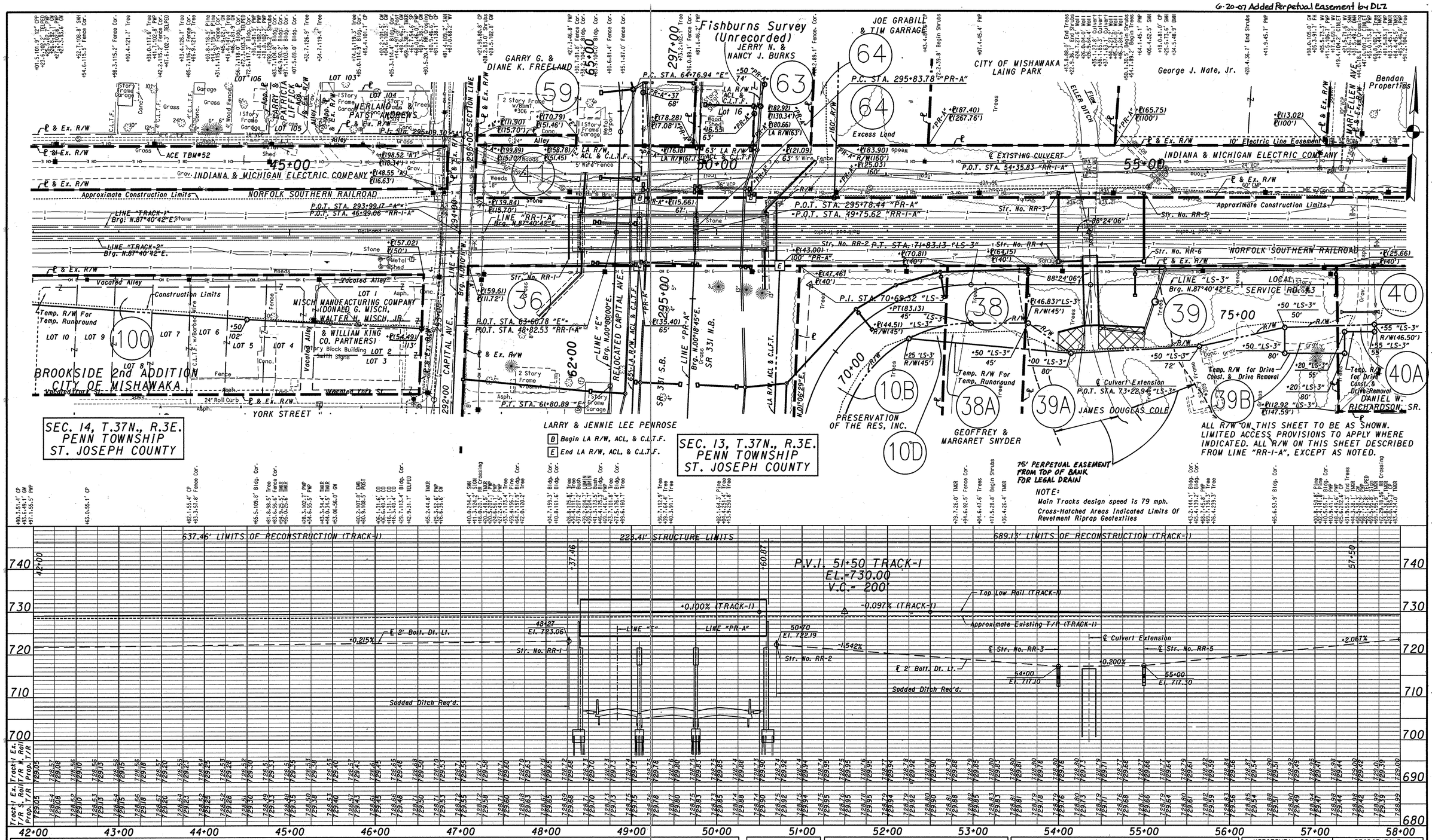
PLAN & PROFILE
LINE "RR-1-A" - TRACK-1

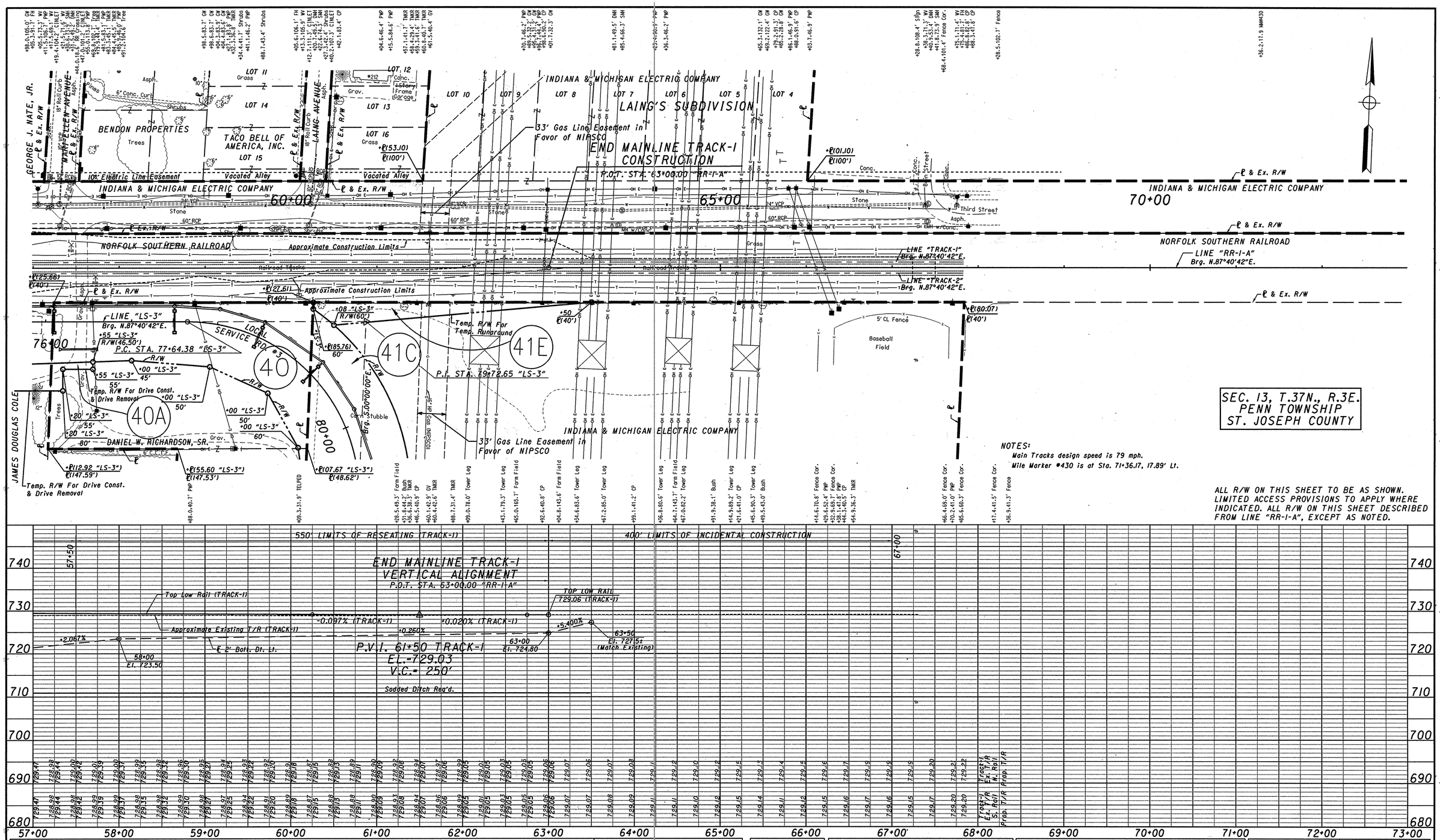
HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	331-71-2702
VERTICAL SCALE	DESIGNATION NO.
1" = 10'	0200872
SURVEY BOOK	SHEETS
	44 of 55
CONTRACT	PROJECT NO.
	STP-5171 (015)

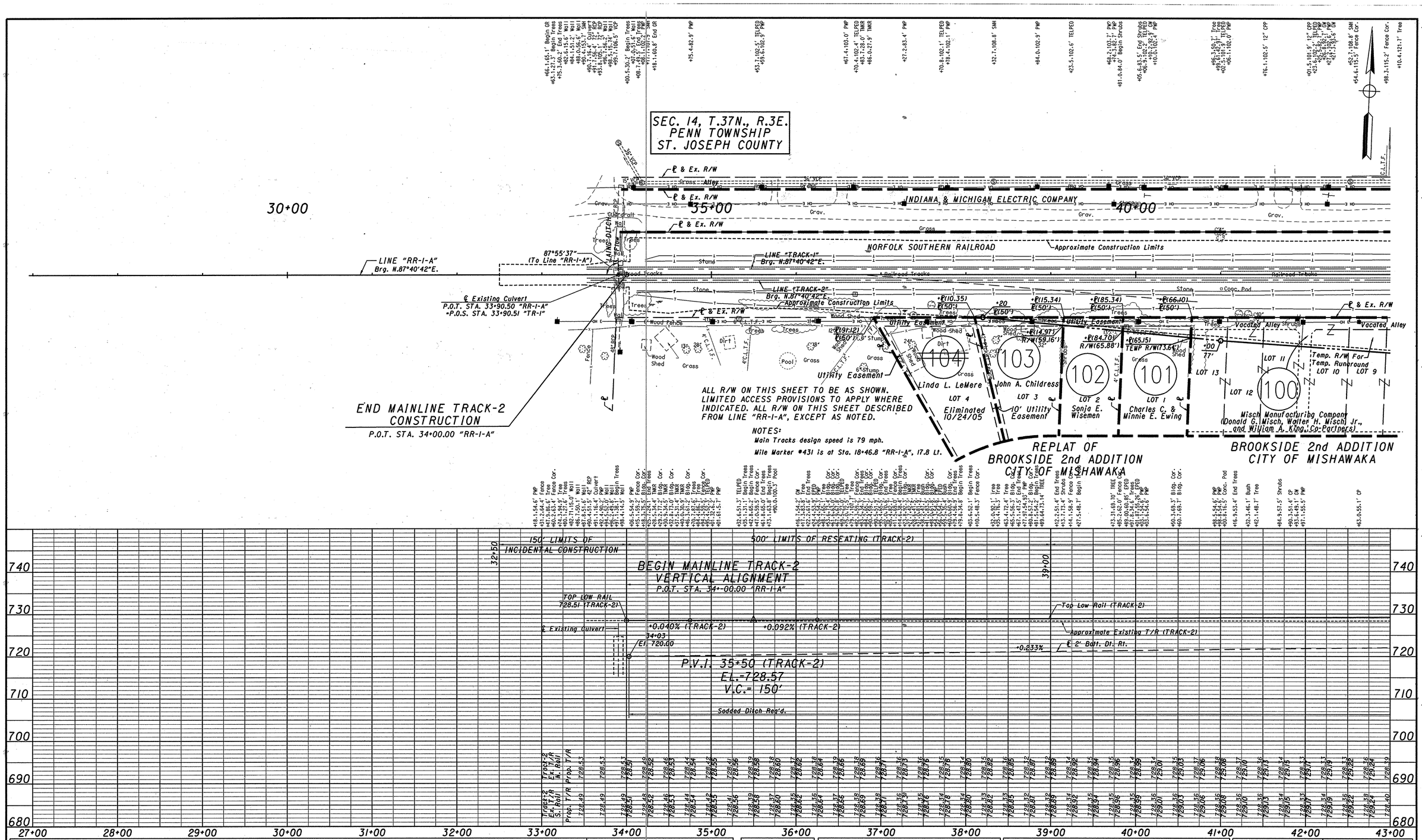
R/W CODE:4821

$USER $DATE$ $FILE$ $TIME$

6-20-07 Added Perpetual Easement by DLZ



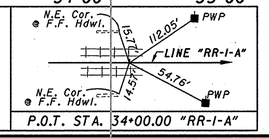

LAING'S SUBDIVISION
INDIANA & MICHIGAN ELECTRIC COMPANY
END MAINLINE TRACK-1 CONSTRUCTION
P.O.T. STA. 63+00.00 "RR-1-A"
33' Gas Line Easement in Favor of NIPSCO
BENDON PROPERTIES
TACO BELL OF AMERICA, INC.
GEORGE J. NATE, JR.
MARY ELLEN AVENUE
LAING AVENUE
JAMES DOUGLAS COLE
DANIEL W. RICHARDSON, SR.
NORFOLK SOUTHERN RAILROAD
Approximate Construction Limits
LINE "LS-3" Brg. N.87°40'42"E.
P.C. STA. 77+64.38 "LS-3"
P.I. STA. 79+72.65 "LS-3"
LOCAL SERVICE RD. #3
Temp. R/W For Temp. Runaround
Temp. R/W For Drive Const. & Drive Removal
Baseball Field
5' CL Fence
Third Street
LINE "TRACK-1" Brg. N.87°40'42"E.
LINE "TRACK-2" Brg. N.87°40'42"E.
LINE "RR-1-A" Brg. N.87°40'42"E.
SEC. 13, T.37N., R.3E.
PENN TOWNSHIP
ST. JOSEPH COUNTY
NOTES:
Main Tracks design speed is 79 mph.
Mile Marker #430 is at Sta. 71+36.17, 17.89' Lt.
ALL R/W ON THIS SHEET TO BE AS SHOWN. LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE "RR-1-A", EXCEPT AS NOTED.
550' LIMITS OF RESEATING (TRACK-1)
400' LIMITS OF INCIDENTAL CONSTRUCTION
END MAINLINE TRACK-1 VERTICAL ALIGNMENT
P.O.T. STA. 63+00.00 "RR-1-A"
Top Low Rail (TRACK-1)
Approximate Existing T/R (TRACK-1)
-0.097% (TRACK-1)
+0.020% (TRACK-1)
+0.260%
+2.067%
+5.400%
TOP LOW RAIL 729.06 (TRACK-1)
58+00 El. 723.50
63+00 El. 724.80
63+50 El. 727.15± (Match Existing)
P.V.I. 61+50 TRACK-1
EL.-729.03
V.C.= 250'
Sodded Ditch Req'd.
P.O.T. STA. 66+00.00 "RR-1-A"
PWP
LINE "RR-1-A"
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE
DESIGNED: RJC 8/04/03
DRAWN: RJC 8/28/03
CHECKED: DAD 9/11/03
CHECKED: DAD 9/11/03
INDIANA DEPARTMENT OF TRANSPORTATION
PLAN & PROFILE
LINE "RR-1-A" - TRACK-1
HORIZONTAL SCALE 1" = 50'
VERTICAL SCALE 1" = 10'
BRIDGE FILE 331-71-2702
DESIGNATION NO. 0200872
SURVEY BOOK
SHEETS 46 of 55
CONTRACT
PROJECT NO. STP-5171 (015)
R/W CODE:4821



BENCH MARKS:

ACE TBM#51 - A Chiseled "X" on S. end of S.E. Wingwall of Capital Ave. Br. over St. Joseph R. El. 714.75

ACE TBM#53 - A Chiseled "X" on S.E. hex nut Fire Hydrant flange @ N.W. cor. Capital Ave. & 5th St. El. 727.86



RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

DESIGNED: RJC 8/05/03 | DRAWN: RJC 8/29/03

CHECKED: DAD 9/11/03 | CHECKED: DAD 9/11/03

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "RR-1-A" - TRACK-2

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE 331-71-2702
VERTICAL SCALE 1" = 10'	DESIGNATION NO. 0200872
SURVEY BOOK	SHEETS 47 of 55
CONTRACT	PROJECT NO. STP-5171 (015)

R/W CODE:4821

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$DATE$
$FILEA$
$TIME$

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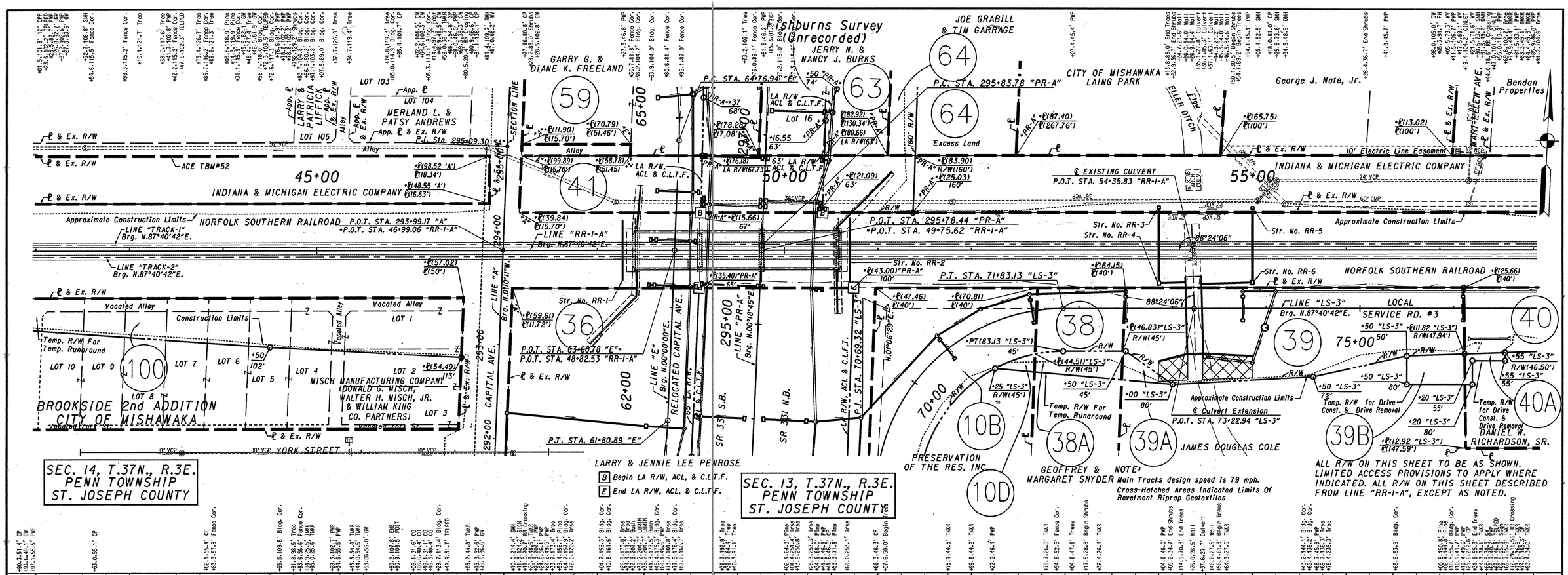

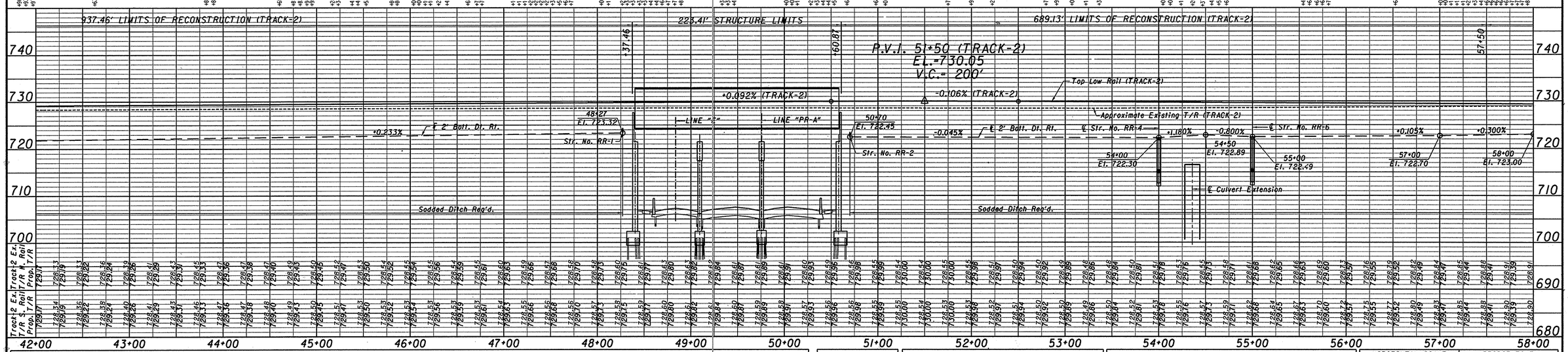

BENCH MARKS:

ACE TBM#52 - A R.R. Spike set S. side Combo Pole #J289-52 300'+/- E. of Capital Ave. 75'+/- N. of N. Rail W.B. Tracks 8'+/- S. of fence El. 723.79

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: RJC 8/05/03 DRAWN: RJC 8/29/03

CHECKED: DAD 9/11/03 CHECKED: DAD 9/11/03

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "RR-1-A" - TRACK-2

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	331-71-2702
VERTICAL SCALE	DESIGNATION NO.
1" = 10'	0200872
SURVEY BOOK	SHEETS
	48 of 55
CONTRACT	PROJECT NO.
	STP-5171 (015)

R/W CODE:4821

$TIME$ $USER $DATE$ $FILEA$

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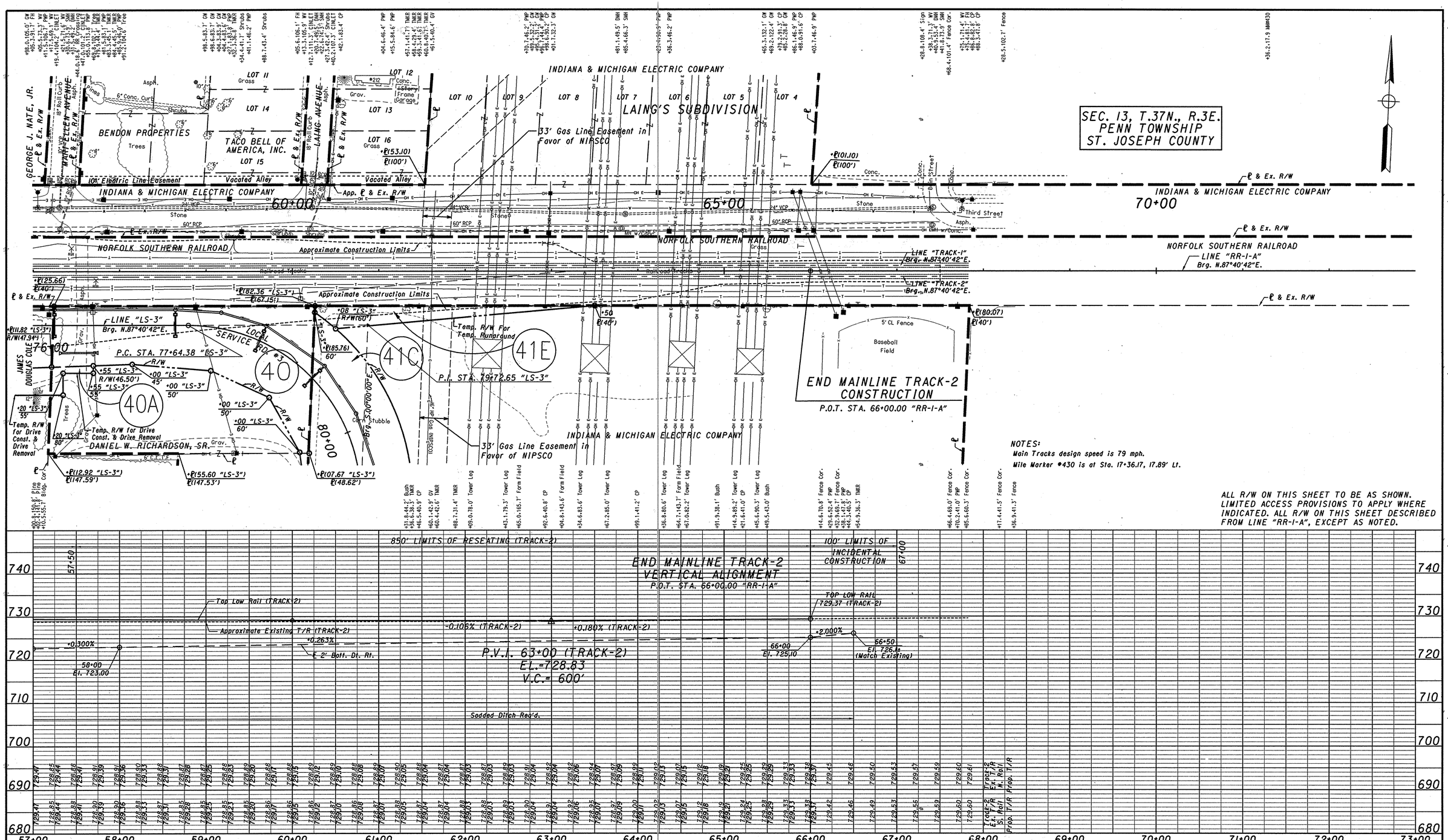


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	
DESIGNED: RJC 8/05/03	DRAWN: RJC 8/29/03		
CHECKED: DAD 9/11/03	CHECKED: DAD 9/11/03		

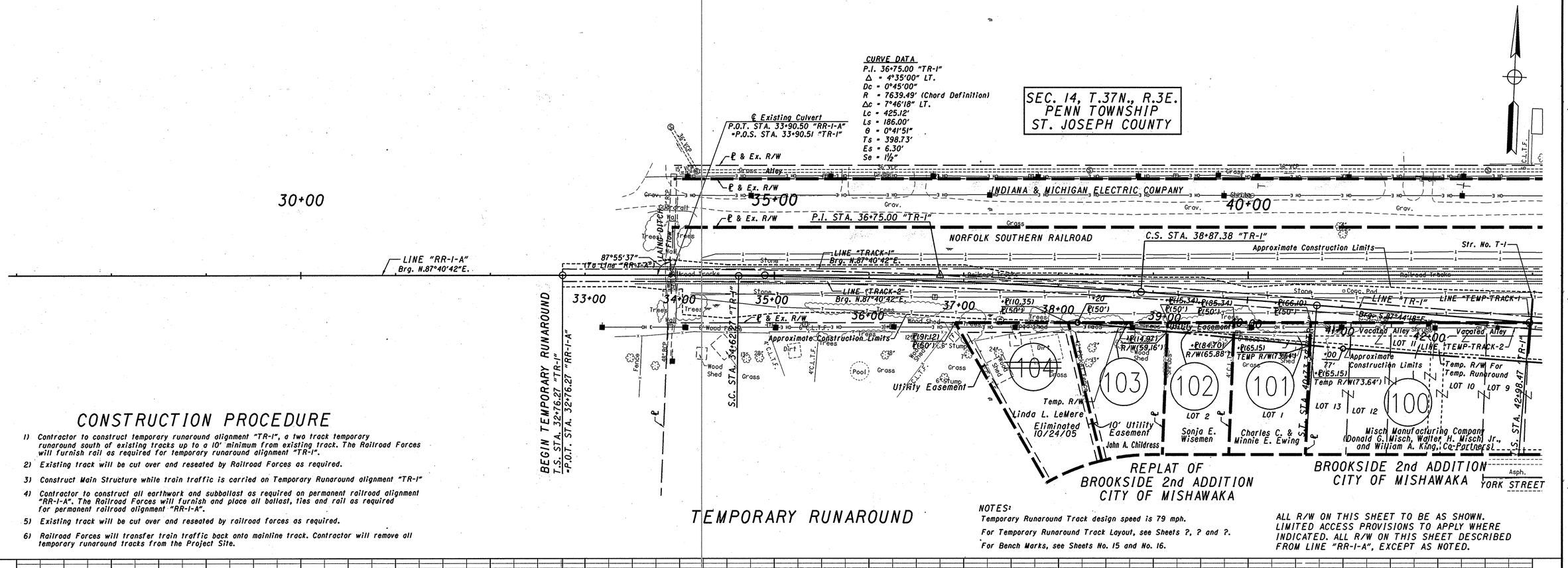
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "RR-1-A" - TRACK-2

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE 331-71-2702
VERTICAL SCALE 1" = 10'	DESIGNATION NO. 0200872
SURVEY BOOK	SHEETS 49 of 55
CONTRACT	PROJECT NO. STP-5171 (015)

R/W CODE:4821

$USER $DATE$ $FILEA$ $TIME$



CONSTRUCTION PROCEDURE

1) Contractor to construct temporary runaround alignment "TR-1", a two track temporary runaround south of existing tracks up to a 10' minimum from existing track. The Railroad Forces will furnish rail as required for temporary runaround alignment "TR-1".
2) Existing track will be cut over and reseated by Railroad Forces as required.
3) Construct Main Structure while train traffic is carried on Temporary Runaround alignment "TR-1"
4) Contractor to construct all earthwork and subballast as required on permanent railroad alignment "RR-1-A". The Railroad Forces will furnish and place all ballast, ties and rail as required for permanent railroad alignment "RR-1-A".
5) Existing track will be cut over and reseated by railroad forces as required.
6) Railroad Forces will transfer train traffic back onto mainline track. Contractor will remove all temporary runaround tracks from the Project Site.

NOTES:
Temporary Runaround Track design speed is 79 mph.
For Temporary Runaround Track Layout, see Sheets ?, ? and ?.
For Bench Marks, see Sheets No. 15 and No. 16.

ALL R/W ON THIS SHEET TO BE AS SHOWN. LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE "RR-1-A", EXCEPT AS NOTED.

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: RJC 8/07/03 DRAWN: RJC 9/02/03
CHECKED: DAD 9/10/03 CHECKED: DAD 9/10/03

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "TR-1"

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	331-71-2702
VERTICAL SCALE	DESIGNATION NO.
1" = 10'	0200872
SURVEY BOOK	SHEETS
	50 of 55
CONTRACT	PROJECT NO.
	STP-5171 (015)

R/W CODE:4821

$USER $DATE $FILE$ $TIME$

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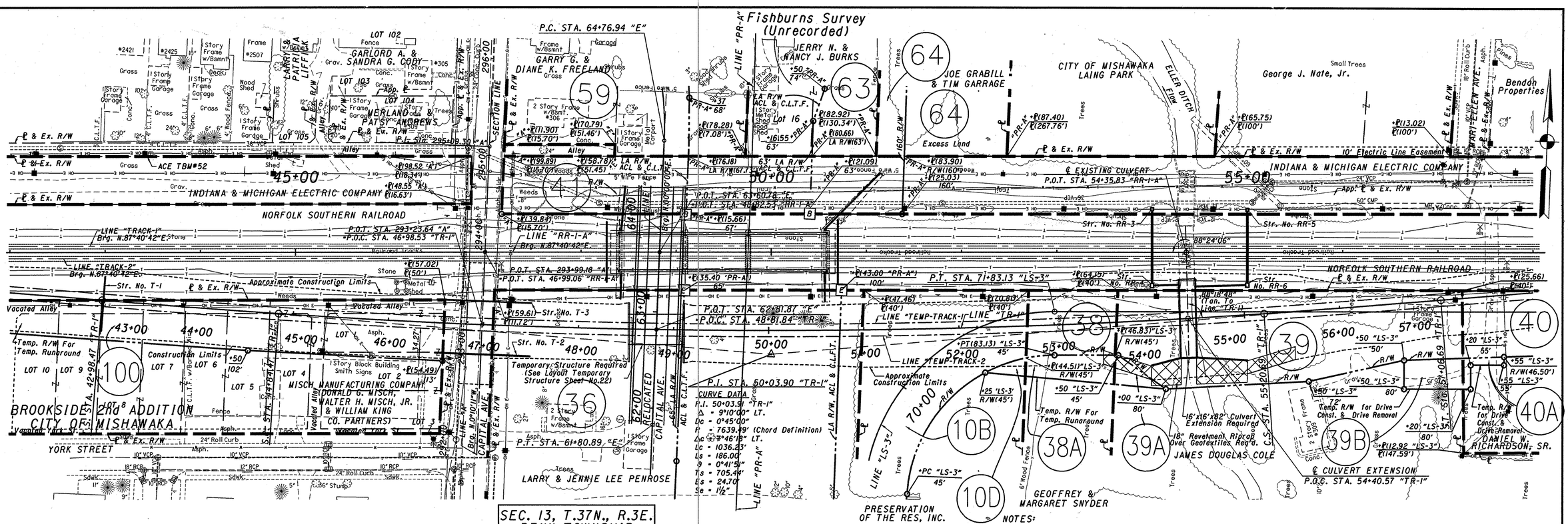


SEC. 14, T.37N., R.3E.
PENN TOWNSHIP
ST. JOSEPH COUNTY

SEC. 13, T.37N., R.3E.
PENN TOWNSHIP
ST. JOSEPH COUNTY

TEMPORARY RUNAROUND

[B] Begin LA R/W, ACL, & C.L.T.F.

[E] End LA R/W, ACL, & C.L.T.F.

NOTES:

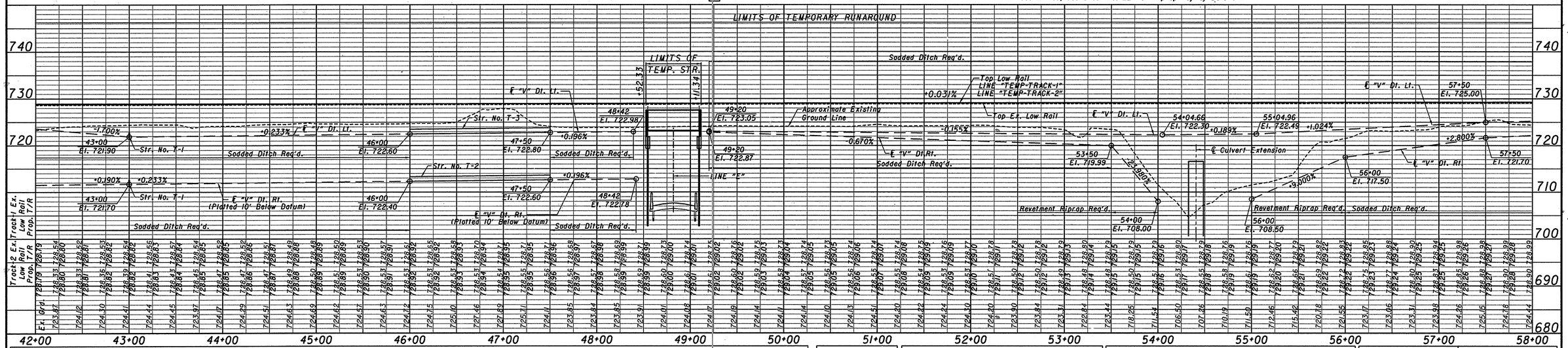
Temporary Runaround track design speed is 79 mph.

For Temporary Runaround track Layout, see Sheets No.?, ? and ?.

For Bench Marks, see Sheets No. 15 and No. 16.

Cross-Hatched Areas Indicated Limits Of Revetment Riprap Over Geotextiles, See Sheet No. 22 For Riprap Keyway Detail.

ALL R/W ON THIS SHEET TO BE AS SHOWN. LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE "RR-1-A", EXCEPT AS NOTED.



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	
DESIGNED: RJC 8/07/03	DRAWN: RJC 9/02/03		
CHECKED: DAD 9/10/03	CHECKED: DAD 9/10/03		

INDIANA
DEPARTMENT OF TRANSPORTATION

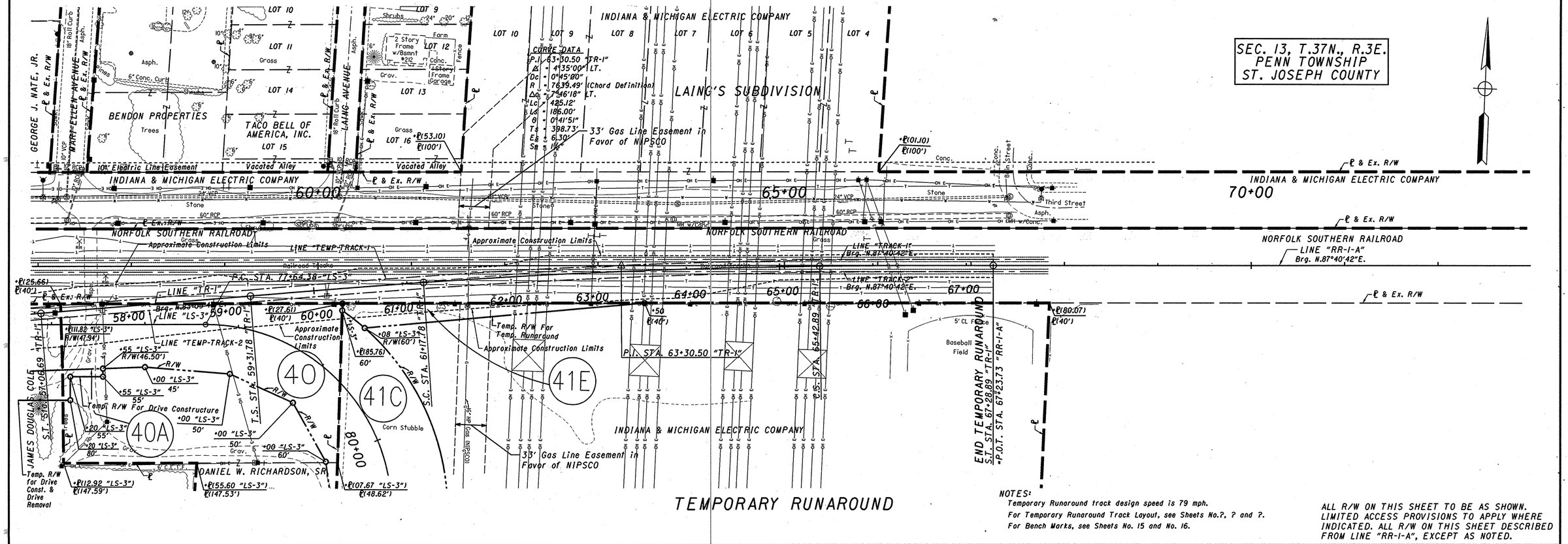
PLAN & PROFILE
LINE "TR-1"

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE 331-71-2702
VERTICAL SCALE 1" = 10'	DESIGNATION NO. 0200872
SURVEY BOOK	SHEETS 51 of 55
CONTRACT	PROJECT NO. STP-5171 (015)

R/W CODE:4821

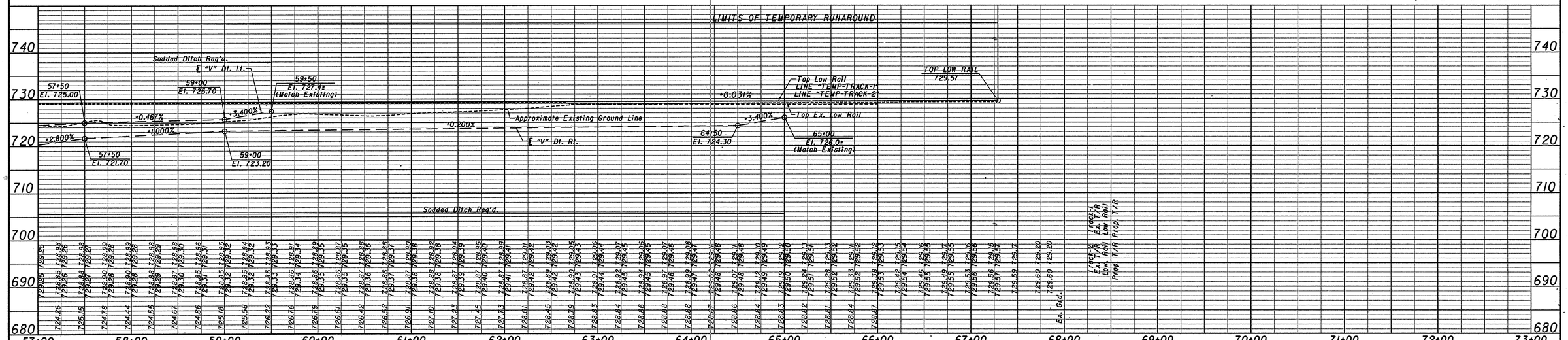
$USER $DATE$ $FILEA$ $TIME$

SEC. 13, T.37N., R.3E.
PENN TOWNSHIP
ST. JOSEPH COUNTY



NOTES:
Temporary Runaround track design speed is 79 mph.
For Temporary Runaround Track Layout, see Sheets No.?, ? and ?.
For Bench Marks, see Sheets No. 15 and No. 16.

ALL R/W ON THIS SHEET TO BE AS SHOWN. LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE "RR-1-A", EXCEPT AS NOTED.



RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 50' / VERTICAL SCALE 1" = 10' / BRIDGE FILE 331-71-2702 / DESIGNATION NO. 0200872
DESIGNED: RJC 8/28/03 DRAWN: RJC 9/02/03	PLAN & PROFILE LINE "TR-1"	SURVEY BOOK / SHEETS 52 of 55
CHECKED: DAD 9/10/03 CHECKED: DAD 9/10/03		CONTRACT / PROJECT NO. STP-5171 (015)

R/W CODE:4821

$USER$ $DATE$ $FILE$ $TIME$

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SUMMARY OF QUANTITIES AND APPROACH TABLE

LOCATION (STATION)	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH "W" ft.	LENGTH "L" ft.	DISTANCE BEYOND R/W LINE ft.	RADII "R" ft.	GRADE (LESS THAN 10% NOT SHOWN) 1 %	GRADE 2 %	EXCAVATION CYS. CUT	EXCAVATION CYS. FILL	HMA FOR APPROACHES #/ SYS.	QC/QA-HMA MATERIAL FOR ROADS SURFACE MAINLINE #/ SYS.	QC/QA-HMA INTERMD. MAINLINE #/ SYS.	QC/QA-HMA BASE MAINLINE #/ SYS.	QC/QA-HMA #/ SYS.	HMA MATERIAL FOR ROADS BASE MAINLINE #/ SYS.	HMA #/ SYS.	HMA #/ SYS.	HMA #/ SYS.	ASPHALT FOR SEAL COAT TONS	ASPHALT FOR PRIME COAT TONS	ASPHALT FOR TACK COAT TONS	TYPE "O" COMPACTED AGGREGATE FOR BASE NO. 53 in. TONS	TYPE "O" COMPACTED AGGREGATE FOR BASE NO. 53 in. TONS	TYPE "O" COMPACTED AGGREGATE FOR BASE NO. 53 in. TONS	TYPE "O" COMPACTED AGGREGATE FOR SURFACE in. SFT.	TYPE "O" COMPACTED AGGREGATE FOR SURFACE in. SFT.	SUBBASE in. CYS.	CEMENT CONC. PAVEMENT FOR DRIVES in. SFT.	QC/QA-PCCP in. SFT.	PCCP in. SFT.	SURFACE BEYOND R/W LINE TYPE "O" COMP. AGG.	SURFACE BEYOND R/W LINE ASPHALT	SURFACE BEYOND R/W LINE CONCRETE	REMARKS
Line "S-1-A"																																		
39+32.50 RT.	*MODIFIED CLASS II*	*12.5*	*36.0*		*25,15*																													*6" PCCP, SKEW 59.0°*
40+26.79 RT.	*MODIFIED CLASS II*	*12.0*	*37.2*		*25,15*																													*6" PCCP, SKEW 81.1°*
41+20.29 RT.	*MODIFIED CLASS II*	*15.9*	*41.0*		*25,15*																													*6" PCCP, SKEW 57.5°*
41+46.32 LT.	*MODIFIED CLASS II*	*13.0*	*30.7*		*15,25*																													*6" PCCP, SKEW 123.0°*
42+40.00 LT.	*CLASS I*	*11.4*	*30.3*		*10,20*																													*SKEW 121.1°*
42+85.46 RT.	*CLASS I*	*10.0*	*37.2*		*20,10*																													*SKEW 56.2°*
43+64.00 RT.	*CLASS I*	*18.2*	*51.3*	*12.0*	*20,10*																													*SKEW 56.8°*
43+87.75 LT.	*CLASS I*	*18.0*	*29.6*		*10,20*																													*SKEW 118.1°*
45+23.50 RT.	*STREET APPROACH*	*24.0*	*79.2*		*25,25*																													*SKEW 64.0°*
45+47.56 LT.	*CLASS I*	*12.0*	*26.7*		*10,20*																													*SKEW 103.9°*
47+21.53 RT.	*CLASS I*	*12.0*	*48.8*	*4.7*	*20,10*																													*SKEW 77.4°*
53+39.13 LT.	*MODIFIED CLASS IV*	*40.0*	*55.1*	*25.6*	*20,20*																													*6" PCCP*
54+07.40 RT.	*MODIFIED CLASS II*	*14.5*	*34.3*		*25,15*																													*6" PCCP*
Line "S-2-A"																																		
72+78.28 RT.	*MODIFIED CLASS II*	*20.0*	*39.6*		*25,15*																													*6" PCCP*
92+80.41 LT.	*CLASS III*	*22.8*	*22.7*		*10,20*																													
99+29.07 LT.	*CLASS III*	*22.0*	*38.2*		*10,20*																													*6" PCCP*
99+48.45 RT.	*STREET APPROACH*	*42.0*	*69.2*		*25,25*																													*SKEW 90.4°*
101+75.60 LT.	*CLASS I*	*14.0*	*45.7*		*10,20*																													*6" PCCP*
102+66.59 LT.	*CLASS I*	*18.0*	*48.0*		*10,20*																													*6" PCCP*
Line "S-3-A"																																		
309+20.06 RT.	*CLASS I*	*13.9*	*20.1*		*20,10*																													*SKEW 89.6°*
309+28.92 LT.	*CLASS I*	*18.2*	*19.3*		*10,20*																													*SKEW 90.6°*
309+74.54 RT.	*CLASS I*	*16.0*	*17.0*		*20,10*																													*SKEW 87.9°*
310+33.81 RT.	*STREET APPROACH*	*25.7*	*34.4*		*25,25*																													*SKEW 83.3°*
310+34.25 LT.	*STREET APPROACH*	*25.0*	*29.4*		*25,25*																													*SKEW 96.4°*
311+79.24 LT.	*STREET APPROACH*	*20.4*	*61.7*		*20,20*																													*SKEW 90.6°*
313+71.40 RT.	*STREET APPROACH*	*30.8*	*64.3*		*25,25*																													*SKEW 79.3°*
325+40.39 RT.	*CLASS III*	*24.7*	*77.6*	*15.0*	*20,10*																													*SKEW 80.4°*
326+24.21 RT.	*CLASS III*	*24.5*	*86.1*	*13.5*	*20,10*																													*SKEW 81.0°*
327+29.23 RT.	*CLASS III*	*21.8*	*82.9*	*20.2*	*20,10*																													*SKEW 82.9°*

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: T.W.J. DRAWN: T.W.J.

CHECKED: A.D.S. CHECKED: M.J.K.

INDIANA DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES AND APPROACH TABLE

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION NO. 9804320/0200872
SURVEY BOOK	SHEETS 53 of 55
CONTRACT	PROJECT NO. STP-S870(011)STP-5171(015)

R/W CODE:4382 R/W CODE:4821

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SUMMARY OF QUANTITIES AND APPROACH TABLE

LOCATION (STATION)	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH "W" ft.	LENGTH "L" ft.	DISTANCE BEYOND R/W LINE ft.	RADII "R" ft.	GRADE (LESS THAN 10% NOT SHOWN) 1 %	GRADE 2 %	EXCAVATION CYS. CUT	EXCAVATION CYS. FILL	HMA FOR APPROACHES #/ SYS.	QC/QA-HMA MATERIAL FOR ROADS SURFACE MAINLINE #/ SYS.	QC/QA-HMA MATERIAL FOR ROADS INTERMD. MAINLINE #/ SYS.	QC/QA-HMA MATERIAL FOR ROADS BASE MAINLINE #/ SYS.	QC/QA-HMA MATERIAL FOR ROADS #/ SYS.	HMA MATERIAL FOR ROADS BASE MAINLINE #/ SYS.	HMA MATERIAL FOR ROADS #/ SYS.	HMA MATERIAL FOR ROADS #/ SYS.	HMA MATERIAL FOR ROADS #/ SYS.	ASPHALT FOR SEAL COAT TONS	ASPHALT FOR PRIME COAT TONS	ASPHALT FOR TACK COAT TONS	TYPE "O" COMPACTED AGGREGATE FOR BASE NO. 53 in. TONS	TYPE "O" COMPACTED AGGREGATE FOR BASE NO. 53 in. TONS	TYPE "O" COMPACTED AGGREGATE FOR BASE NO. 53 in. TONS	TYPE "O" COMPACTED AGGREGATE FOR SURFACE in. SFT.	TYPE "O" COMPACTED AGGREGATE FOR SURFACE in. SFT.	SUBBASE in. CYS.	CEMENT CONC. PAVEMENT FOR DRIVES in. SFT.	QC/QA-PCCP in. SFT.	PCCP in. SFT.	SURFACE BEYOND R/W LINE TYPE "O" COMP. AGG.	SURFACE BEYOND R/W LINE ASPHALT	SURFACE BEYOND R/W LINE CONCRETE	REMARKS
Line "S-3-A" con't																																		
327+73.91 RT.	MODIFIED STREET APP	24.7	82.8		25,25																													SKEW 83.6°
328+11.08 LT.	CLASS III	30.2	60.3	24.6	10,20																													
328+83.24 RT.	CLASS III	28.0	70.6	19.5	20,10																													SKEW 85.6°
329+77.99 RT.	CLASS III	26.0	64.4	16.8	20,10																													SKEW 87.3°
330+41.40 LT.	CLASS III	36.0	26.0		10,20																													
330+63.02 RT.	STREET APPROACH	24.0	43.6		25,25																													SKEW 88.9°
Line "D"																																		
56+25.65 RT.	STREET APPROACH	24.0	84.1	66.1	25,25																													
64+23.46 LT.	STREET APPROACH	29.0	43.7		25,25																													SKEW 84.3°
66+26.54 LT.	CLASS I	16.3	21.4	3.4	10,20																													SKEW 88.1°
Line "E"																																		
71+71.82 LT.	STREET APPROACH	35.7	41.2		25,25																													SKEW 85.6°
Line "LS-1"																																		
5+45.19 RT.	MODIFIED CLASS III	20.0	226.8	215.0	10,10																													SKEW 105.1°
9+71.98 RT.	MODIFIED CLASS I	10.0	220.2	202.2	20,10																													
Line "LS-2"																																		
10+29.32 LT.	CLASS I	16.0	74.4	57.5	10,20																													SKEW 94.8°
11+58.29 LT.	CLASS I	12.0	34.0		10,20	17.9																												SKEW 114.9°
12+35.81 LT.	CLASS I	20.0	87.8		10,20																													
Line "LS-3"																																		
76+40.00 RT.	CLASS I	13.5	35.0		20,10																													
81+90.0 RT.	CLASS I	10.0	56.9	7.3	20,10																													
Line "LS-4"																																		
11+78.72 RT.	CLASS III	40.0	23.1		20,10																													SKEW 95.1°
Line "B-2"																																		
21+85.77 RT.	CLASS I	15.8	71.4	44.4	20,10	19.2																												SKEW 60.0°
Line "C-1"																																		
6+86.51 LT.	CLASS I	16.6	39.9	29.4	10,20	11.2																												
7+14.08 RT.	MODIFIED CLASS I	10.8	37.7	25.5	5,10.5																													

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: T.W.J. DRAWN: T.W.J.

CHECKED: A.D.S. CHECKED: M.J.K.

INDIANA DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES AND APPROACH TABLE

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION NO. 9804320/0200872
SURVEY BOOK	SHEETS 54 of 55
CONTRACT	PROJECT NO. STP-S870(011)STP-5171(015)

R/W CODE:4382 R/W CODE:4821

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SUMMARY OF QUANTITIES AND APPROACH TABLE

LOCATION (STATION)	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	DISTANCE BEYOND R/W LINE	RADII	GRADE (LESS THAN 10% NOT SHOWN)		EXCAVATION		HMA FOR APPROACHES	QC/QA-HMA MATERIAL FOR ROADS				HMA MATERIAL FOR ROADS				ASPHALT FOR			TYPE "O" COMPACTED AGGREGATE FOR BASE NO. 53			TYPE "O" COMPACTED AGGREGATE FOR SURFACE		SUBBASE	CEMENT CONC. PAVEMENT FOR DRIVES	QC/QA-PCCP	PCCP	SURFACE BEYOND R/W LINE			REMARKS
											SURFACE	INTERMD.	BASE		BASE																			
											MAINLINE	MAINLINE	MAINLINE		MAINLINE																			
		"W"	"L"		"R"	1	2	CYS.		#/	#/	#/	#/	#/	#/	#/	#/	#/	SEAL COAT	PRIME COAT	TACK COAT	in.	in.	in.	in.	in.	in.	in.	in.	in.	TYPE "O" COMP. AGG.	ASPHALT	CONCRETE	
		ft.	ft.	ft.	ft.	%	%	CUT	FILL	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	TONS	TONS	TONS	TONS	TONS	TONS	SFT.	SFT.	CYS.	SFT.	SFT.	SFT.				
Line "C-3"																																		
19+97.96 RT.	MODIFIED CLASS I	16.0	19.2	6.0	5,10																													
20+07.81 LT.	MODIFIED CLASS I	17.0	18.6	5.1	5,20																													

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: T.W.J. DRAWN: T.W.J.

CHECKED: A.D.S. CHECKED: M.J.K.

INDIANA DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES AND APPROACH TABLE

HORIZONTAL SCALE	BRIDGE FILE
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R/W CODE:4382 R/W CODE:4821

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