

PROJECT	DESIGNATION
0600165	0600165
CONTRACT	
RS-29128	

INDIANA
DEPARTMENT OF
TRANSPORTATION

CODE: 5221

RIGHT OF WAY PLANS

SR 16 PAVEMENT REHABILITATION FROM RP 65+36 TO RP 69+95

PROJECT NO. ~~0600165~~ P.E.

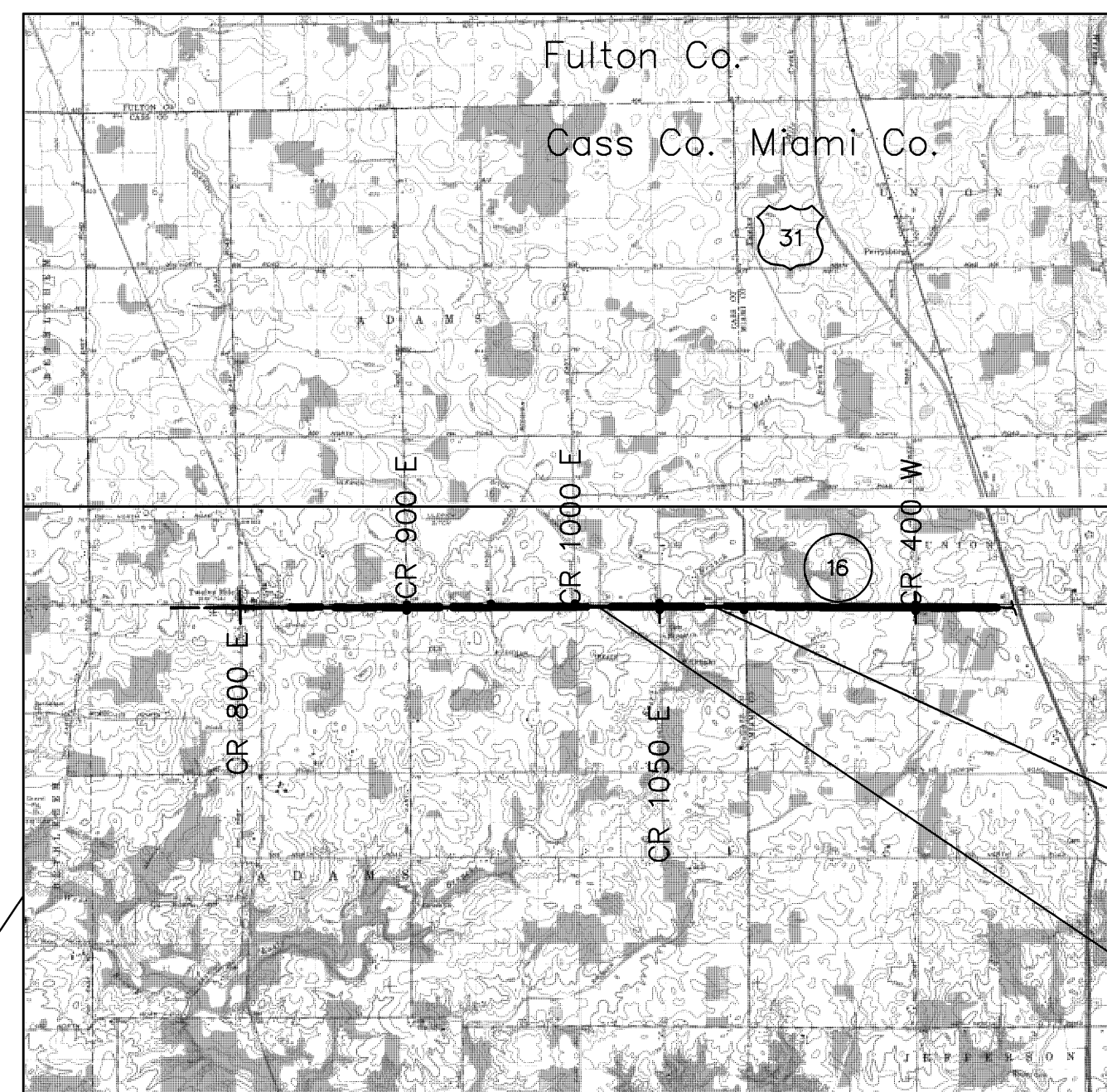
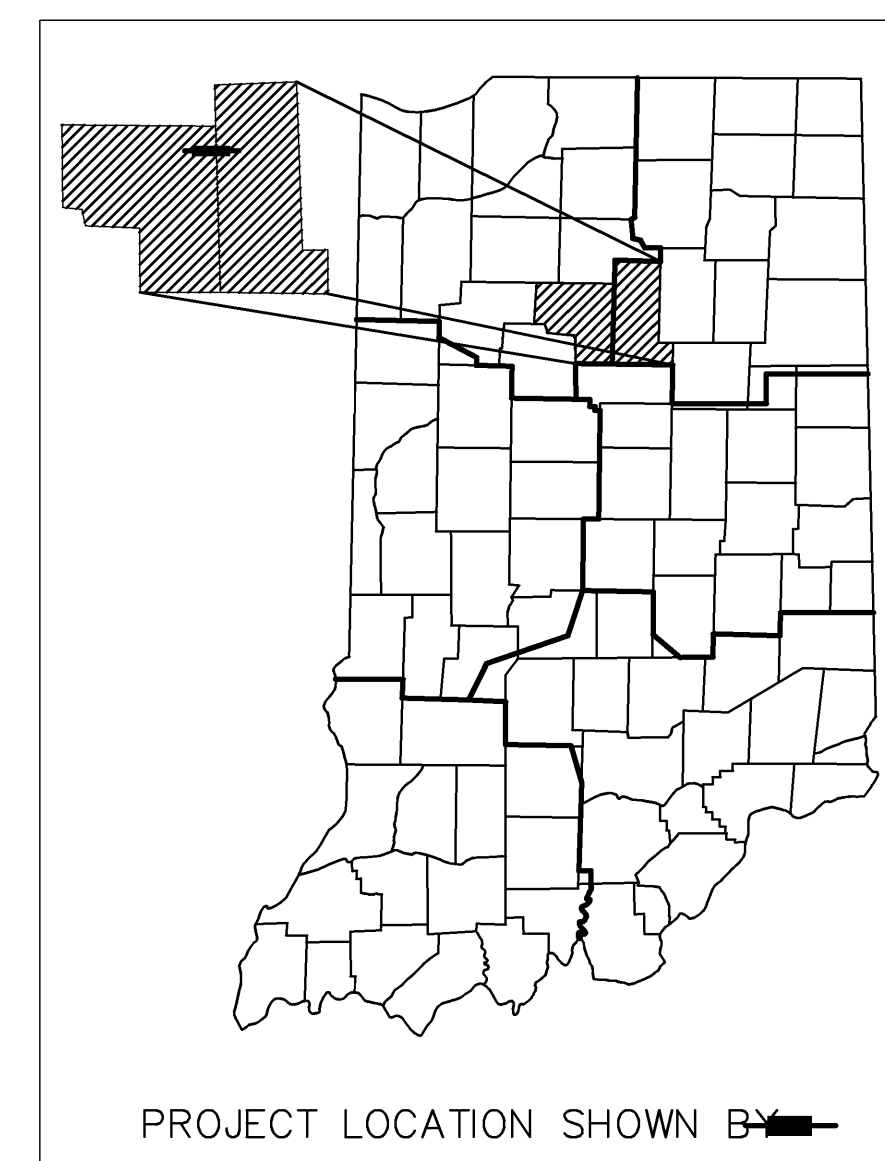
PROJECT NO. 0600165 R/W

PROJECT NO. ~~0600165~~ CONST.

Pavement Rehabilitation on SR 16, beginning at the town of Twelve Mile to US 31 in T28N, R3E, Cass County and Miami County, Indiana

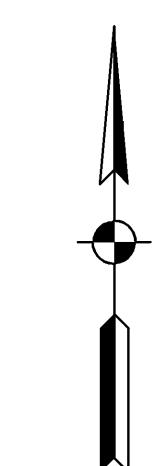
GROSS LENGTH: 4.68 MILES
NET LENGTH: 4.68 MILES
LATITUDE: 40° 52' 00"
LONGITUDE: -86° 11' 00"

TRAFFIC DATA	
A.A.D.T. (2007)	1500 V.P.D.
A.A.D.T. (2027)	1790 V.P.D.
D.H.V. (2027)	161 V.P.H.
DIRECTIONAL DISTRIBUTION	50%/50% (DHV)
TRUCKS	4% D.H.V./ 6% A.A.D.T.
DESIGN DATA	
DESIGN SPEED	35 M.P.H. (STA. 50+00 TO STA. 56+49)
	25 M.P.H. (STA. 56+49 TO STA. 65+32)
	35 M.P.H. (STA. 65+32 TO STA. 76+35)
	45 M.P.H. (STA. 76+35 TO STA. 98+20)
	55 M.P.H. (STA. 98+20 TO STA. 295+00)
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	STATE COLLECTOR
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE



BEGIN PROJECT
PROJECT NO. 0600165
STA. 50+00
LINE "PR-A"

END PROJECT
PROJECT NO. 0600165
STA. 295+00
LINE "PR-A"



BRIDGE 16-09-7975
EAST BRANCH

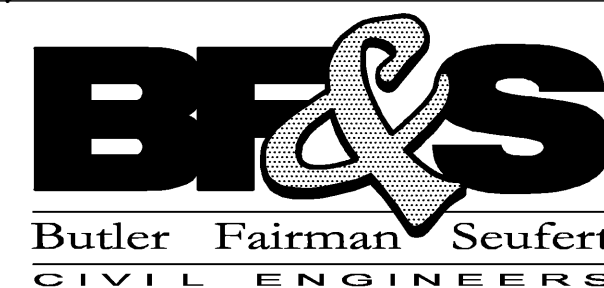
BRIDGE 16-09-7973
ULERICH DITCH

TOWN OF TWELVE MILE
MIAMI & CASS COUNTIES

LOCATION MAP

1" = 5000'

R/W ENGINEERING PLANS PREPARED BY:



8450 Westfield Boulevard, Suite 300
Indianapolis, Indiana 46240-8302
Telephone: 317-713-4615
Fax: 317-713-4616
E-Mail: bfs@bfsengr.com

EARTH TECH | AECOM

8902 VINCENNES CIRCLE,
SUITE D
INDIANAPOLIS, IN 46268
PHONE (317) 842-7033
FAX (317) 576-6549

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2008
TO BE USED WITH THESE PLANS

PLANS PREPARED BY:	
CERTIFIED BY:	DATE
APPROVED FOR LETTING:	DATE
CHIEF, DIVISION OF DESIGN	

BRIDGE FILE	
DESIGNATION 0600165	
DWG. NO.	SHEET NO.
TI-01	1 of 45
CONTRACT	PROJECT

DIRECTORY: R:\4512\0607\ProjectDevelopment\ROW\RWENG CalculationDrawings\ LTSCALE...1
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 PLOTTED BY: M09 25/08 - 9:24am

LOCATION CONTROL ROUTE SURVEY PLAT
for
ROUTE SURVEY - INDOT DES. NO. 0600165

Surveyor's Report

The purpose of this survey is to obtain data necessary to complete the rehabilitation of State Road 16 from Twelve Mile to U.S. 31. This is not a property retrocement survey. The project is located in Sections 15-22, Township 28 North, Range 3 East, Adams Township, Cass County and Sections 13, 14, 23, and 24, Township 28 North, Range 3 East, Jefferson Township, Miami County, Indiana.

Indiana West Zone, NAD83, State Plane Coordinates were derived using GPS survey techniques based on an OPUS solution (provided by the National Geodetic Survey) for a point near the project. A translation was completed to establish a local coordinate system based on International feet. The following calculations are required to derive State Plane Coordinates from the project coordinates: add 2,000,000 to the north coordinate; add 150,000 to the east coordinate, and then multiply each resulting sum by the combined scale factor of 0.999957645. Project bearings are based on the GPS survey data.

The rights of way were established using deeds, plats, grants and INDOT plans for Project ST-5409(D) and ST-5409(E). These plans were supplied by INDOT, Laporte District. No plans for the remaining portions of S.R. 16 were located.

Line "A" was established near the center of existing S.R. 16 along the apparent section line for the length of the project with an area of variance from Sta. 189+00.08 "A" to Sta. 242+44.93 "A". In this area, Line "A" follows Line "C" per Location Control Route Survey Plat for said INDOT Project ST-5409(D) until Line "C" ends at Sta. 215+54.49 "A". Line "A" then continues from Sta. 215+54.49 "A" to the next section corner monument at Sta. 242+44.93 "A" and stays along the apparent section line for the remainder of the project.

Property lines were established using deed records, plats, found property monuments and section corner monuments as well as existing field conditions. Deeds and plats were obtained from the Cass and Miami County Recorders' Offices. The rights of way and property lines shown on this plat are preliminary and may be refined with further analysis.

An extensive search was made to locate Section Corners adjacent to the project. Should Public Land Survey corners be needed where none were found, they should be reestablished and tied to this survey.

Item numbers refer to the number on the Location Control Route Survey Plat.

The following points were located using Cass and Miami County section corner references and are also alignment control points: 706-710, 740, and 744-746. The uncertainty of location of these monuments to Line "A" is limited to errors in measurement associated with the equipment in use. The uncertainty of location with respect to the original PLSS stakes is not known but may be as much as 2 feet.

The following points were located in the anticipated location of a Public Land Survey Corner and are alignment control points: 705, 711, and 712. The uncertainty of location of these monuments to Line "A" is limited to errors in measurement associated with the equipment in use. The uncertainty of location with respect to the original PLSS stakes is not known but may be as much as 5 feet. Comparison of measurement to adjoining corners suggests no significant uncertainty in location.

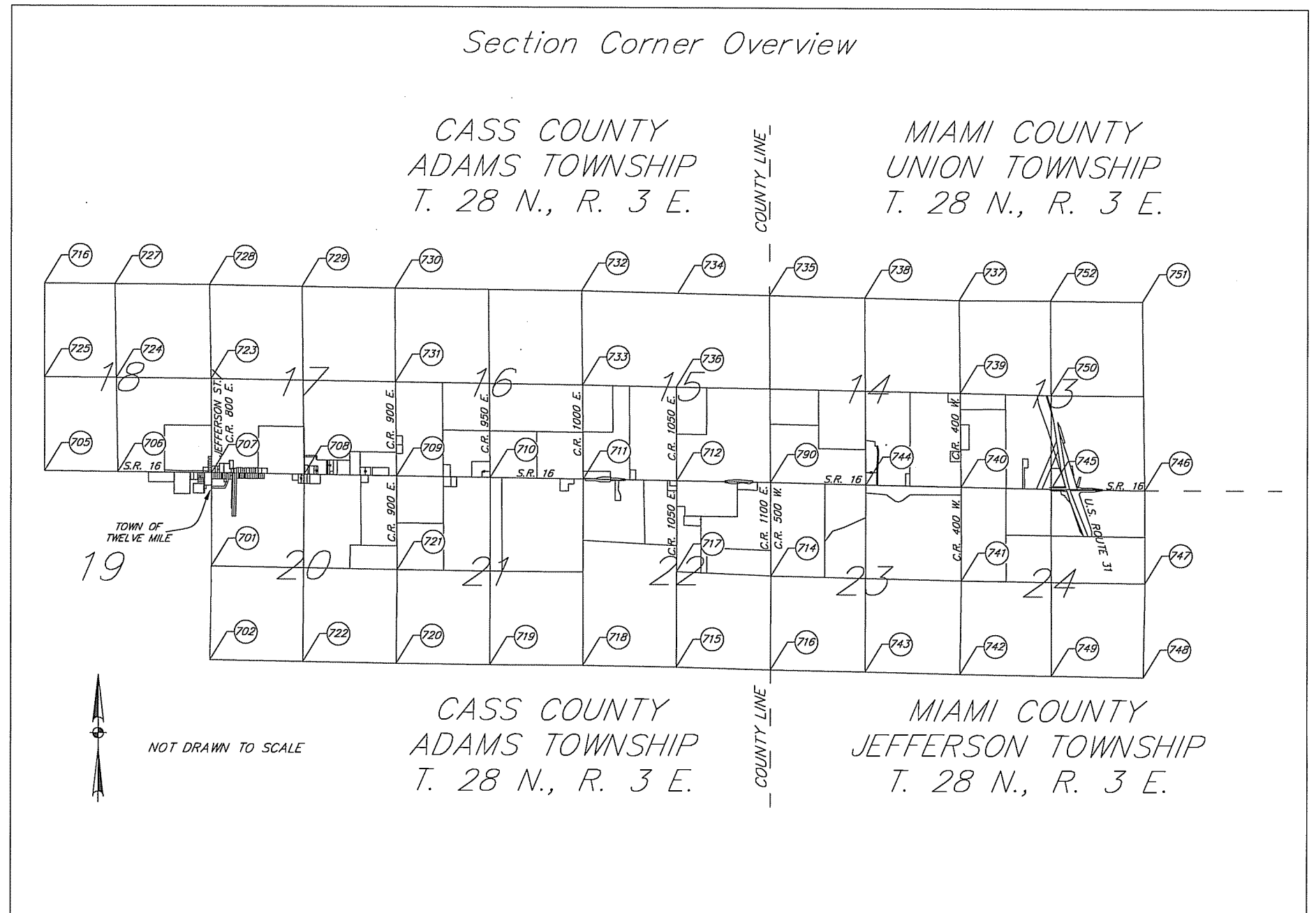
The following points were located based on previous INDOT alignments from projects ST-5409(D) and ST-5409(E) and are alignment control points: 526, 529, 532 and 713. The uncertainty of location of these monuments to Line "A" is limited to errors in measurement associated with the equipment in use.

The following points are alignment control points and have been set in the field by Butler, Fairman & Seufert, Inc.: 800-817. The uncertainty of location of these monuments to Line "A" is limited to errors in measurement associated with the equipment in use.

The following points were located using Cass and Miami County references: 701, 714-716, 719-722, 724, 727-728, 731, 733, 735, 737-739, 741-743, and 747-750. The uncertainty of location of these monuments to Line "A" is limited to errors in measurement associated with the equipment in use. The uncertainty of location with respect to the original PLSS stakes is not known but may be as much as 2 feet.

The following points were located in the anticipated location of a Public Land Survey Corner: 702, 717-718, 723, 725-726, 729-730, 732, 736, 751-752, and 790. The uncertainty of location of these monuments to Line "A" is limited to errors in measurement associated with the equipment in use. The uncertainty of location with respect to the original PLSS stakes is not known but may be as much as 5 feet. Comparison of measurement to adjoining corners suggests no significant uncertainty in location.

A visual and electronic magnetic locator inspection was made in the anticipated location of the remaining Public Land Survey Corners. No evidence was found beyond those points referenced.



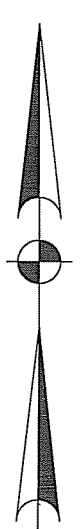
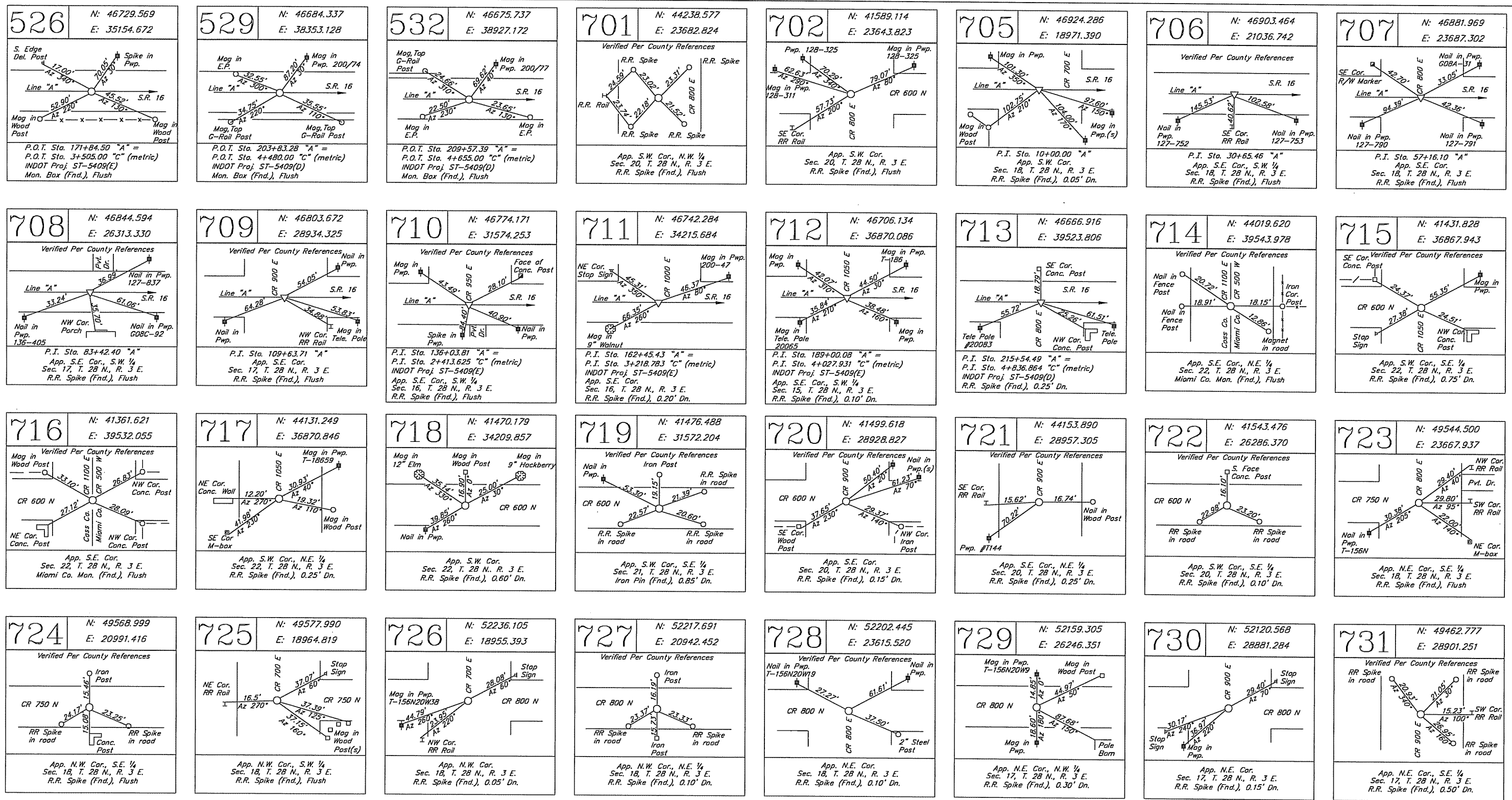
THIS DOCUMENT WAS RECORDED IN THE OFFICE OF THE CASS COUNTY RECORDER AS INSTRUMENT NO. 20080000625 ON FEBRUARY 7, 2008, ALSO IN THE OFFICE OF THE MIAMI COUNTY RECORDER AS INSTRUMENT NO. 20080520607 ON FEBRUARY 7, 2008

LOCATION CONTROL ROUTE SURVEY PLAT
for
S.R. 16 FROM TWELVE MILE TO U.S. 31
PREPARED BY: BUTLER, FAIRMAN & SEUFERT, INC.

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 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.

INDIANA DEPARTMENT OF TRANSPORTATION		
ROUTE SURVEY PLAT		
SIGNATURE <i>Mark W. Neal</i> 2/6/2008		DATE
REGISTERED LAND SURVEYOR		
SURVEY STARTED 11/08/07	STRUCTURE NO.	DES. NO. 0600165
SURVEY COMPLETED 02/11/08	PROJECT NO. 0600165	YEAR SHEET TOTAL 2008 1 9





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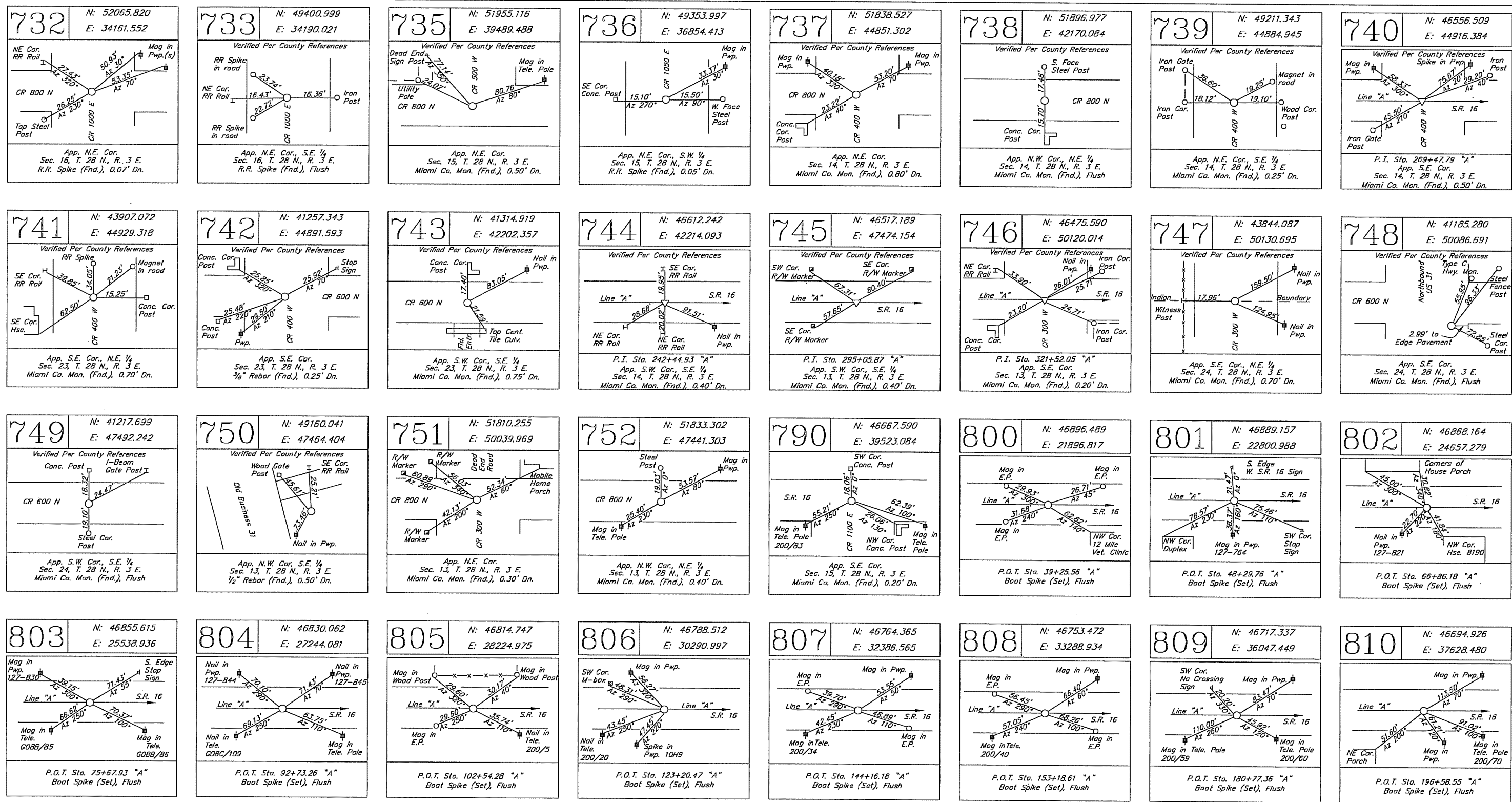
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INDIANA DEPARTMENT OF TRANSPORTATION
ROUTE SURVEY PLAT

SIGNATURE: *Mark W. Neal* 2/6/2008
REGISTERED LAND SURVEYOR DATE

SURVEY STARTED 11/08/07	STRUCTURE NO.	DES. NO. 0600165
SURVEY COMPLETED 02/11/08	PROJECT NO. 0600165	YEAR 2008
		SHEET 2
		TOTAL 9

MARK W. NEAL
REGISTERED
No. LS 20100048
STATE OF
INDIANA
LAND SURVEYOR



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LOCATION CONTROL ROUTE SURVEY PLAT
for
S.R. 16 FROM TWELVE MILE TO U.S. 31
PREPARED BY: BUTLER, FAIRMAN & SEUFERT, INC.

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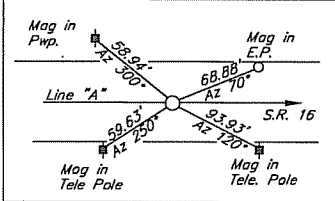
INDIANA DEPARTMENT OF TRANSPORTATION
ROUTE SURVEY PLAT

SIGNATURE: *Mark W. Neal* 2/6/2008
REGISTERED LAND SURVEYOR DATE

SURVEY STARTED 11/08/07	STRUCTURE NO.	DES. NO. 0600185
SURVEY COMPLETED 02/11/08	PROJECT NO. 0600185	YEAR SHEET TOTAL 2008 3 9

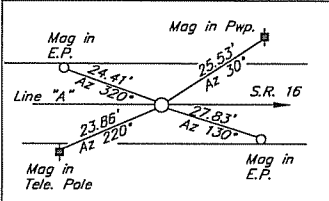
MARK W. NEAL
REGISTERED
No. LS 2010048
STATE OF INDIANA
LAND SURVEYOR

811 N: 46650.171
E: 40347.747



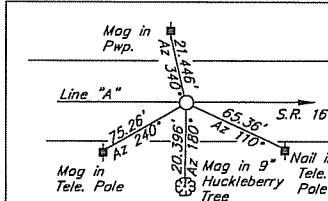
P.O.T. Sta. 223+78.20 "A"
Boat Spike (Set), Flush

812 N: 46629.835
E: 41348.437



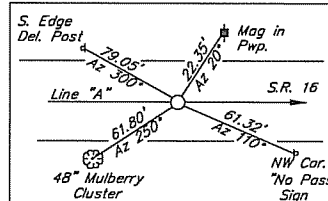
P.O.T. Sta. 233+79.10 "A"
Boat Spike (Set), Flush

813 N: 46593.063
E: 43144.019



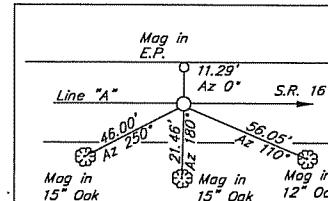
P.O.T. Sta. 251+75.05 "A"
Boat Spike (Set), Flush

814 N: 46575.294
E: 44005.551



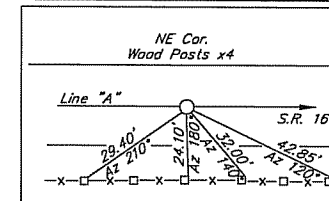
P.O.T. Sta. 260+36.77 "A"
Boat Spike (Set), Flush

815 N: 46547.740
E: 45486.799



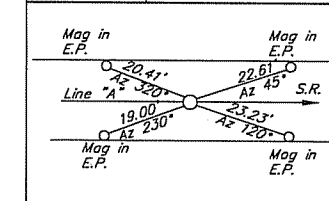
P.O.T. Sta. 275+18.28 "A"
Boat Spike (Set), Flush

816 N: 46534.671
E: 46336.928

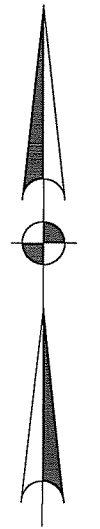


P.O.T. Sta. 283+68.51 "A"
Boat Spike (Set), Flush

817 N: 46501.908
E: 48446.074



P.O.T. Sta. 304+77.91 "A"
Boat Spike (Set), Flush



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LOCATION CONTROL ROUTE SURVEY PLAT
for
S.R. 16 FROM TWELVE MILE TO U.S. 31
PREPARED BY: BUTLER, FAIRMAN & SEUFERT, INC.

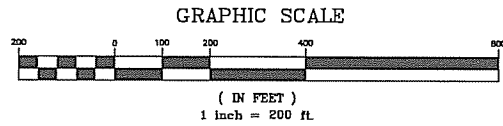
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INDIANA DEPARTMENT OF TRANSPORTATION
ROUTE SURVEY PLAT

SIGNATURE: *Mark W. Neal* 2/16/2008
REGISTERED LAND SURVEYOR DATE

SURVEY STARTED 11/08/07	STRUCTURE NO.	DES. NO. 0600185
SURVEY COMPLETED 02/11/08	PROJECT NO. 0600185	YEAR SHEET TOTAL 2008 4 9

MARK W. NEAL
REGISTERED
No. LS 2010046
STATE OF INDIANA
LAND SURVEYOR



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PROPERTY OWNERS

- 7 WILLIAM A. & PATRICIA M. ROBBINS
D.R. 251 PAGE 857
- 8 WILLIAM S. & KATHY HARTZLER
D.R. 211 PAGE 395
- 9 TWELVE MILE CIVIC SERVICES, INC.
INST. NO. 9607456
- 10 ELSIE K. C. DELAPLANE REV. TRUST
INST. NO. 0506032
- 11 TAYLOR INDUSTRIES, INC.
D.R. 257 PAGE 304
- 12 MOSS FERTILIZER SERVICE, INC.
INST. NO. 0106958
- 13 C. R. & M. RAILROAD
D.R. 72 PAGE 439
- 14 C. R. & M. RAILROAD
D.R. 71 PAGE 491
- 15 MOSS FERTILIZER SERVICE, INC.
D.R. 223 PAGE 703
- 16 MOSS FERTILIZER SERVICE, INC.
D.R. 235 PAGE 182
- 17 HOWARD L. & JUDITH K. CORN
D.R. 251 PAGE 929
- 18 PASCAL F. & ELIZABETH A. MOON
INST. NO. 0407198
- 19 STEPHEN D. & MELISSA K. YOUNG
INST. NO. 0406980
- 20 JOHN W. BROWN JR.
INST. NO. 200600007170
- 21 GLENN R. & ELSIE L. STRASSER
D.R. 204 PAGE 475
- 22 AARON L. & AHSLEY R. SYLVAIN
INST. NO. 200700002721
- 23 TWELVE MILE UNITED METHODIST CHURCH
- 24 REX W. & FAYETTA J. SMITH
INST. NO. 9601448
- 25 DENNIS E. & JULIA A. FLORA
D.R. 265 PAGE 60
- 26 JOHN W. & CONNIE E. BROWN
D.R. 220 PAGE 843
- 27 EDYTH A. SULLIVAN
INST. NO. 9807630
- 28 EDYTH A. SULLIVAN
INST. NO. 9601210
- 29 CATHERINE J. McVAY
INST. NO. 0104753
- 30 JAMES H. & MARGARET H. SHERRICK
D.R. 219 PAGE 327

SEC. 18, T.28N., R.3E.
ADAMS TOWNSHIP
CASS COUNTY

SEC. 17, T.28N., R.3E.
ADAMS TOWNSHIP
CASS COUNTY

SEC. 19, T.28N., R.3E.
ADAMS TOWNSHIP
CASS COUNTY

SEC. 20, T.28N., R.3E.
ADAMS TOWNSHIP
CASS COUNTY

APPARENT PROPERTY MONUMENTS FOUND

- R/W Marker, Sta. 31+97.70 "A", 42.92' Lt.
- R/W Marker, Sta. 31+97.76 "A", 52.45' Lt.
- R/W Marker, Sta. 37+54.87 "A", 43.42' Lt.
- R/W Marker, Sta. 37+74.28 "A", 49.11' Rt.
- R/W Marker, Sta. 45+30.87 "A", 51.50' Lt.
- R/W Marker, Sta. 51+04.98 "A", 39.68' Rt.
- R/W Marker, Sta. 54+72.53 "A", 40.30' Lt.
- R/W Marker, Sta. 57+00.89 "A", 39.80' Lt.
- 1/2" Pipe, Sta. 60+70.41 "A", 180.52' Rt.
- 3/4" Pipe, Sta. 60+72.47 "A", 258.11' Rt.
- Fence Cor. Post, Sta. 60+75.86 "A", 390.54' Rt.
- Rebar w/ Cap, Sta. 61+33.48 "A", 28.96' Rt.
- Pipe w/ Cap, Sta. 61+35.52 "A", 180.63' Rt.
- Rebar w/ Cap, Sta. 61+83.49 "A", 28.86' Rt.
- 3/4" Pipe, Sta. 61+85.40 "A", 180.82' Rt.
- 3/4" Pipe, Sta. 61+86.43 "A", 258.09' Rt.
- 1/2" Pipe, Sta. 62+96.91 "A", 181.03' Rt.
- Pipe, Sta. 62+98.06 "A", 602.80' Rt.

PROPERTY OWNERS

- 1 RICHARD L. BOOKWALTER
D.R. 223 PAGE 410
- 2 GEORGE L. TOWNSEND REV. TRUST
D.R. 260 PAGE 597
- 3 WELLS FARGO BANK, N.A.
INST. NO. 200700002842
- 4 BETH CIAVARDONI
INST. NO. 9708079
- 5 ROGER L. JONES
INST. NO. 9903467
- 6 TWELVE MILE COMM. FIRE DEPT.
INST. NO. 9800072
- 31 LEWIS C. & BARBARA MILLER
D.R. 262 PAGE 410
- 32 TWELVE MILE COMMUNITY MEMORIAL HOME
D.R. 168 PAGE 321
- 33 JOHN C. & GAIL E. BYRUM REV. TRUST
INST. NO. 200600002872
- 34 RONNIE O. JETT
INST. NO. 200700002853
- 35 ROBERT L. BURNS
INST. NO. 0005740
- 36 COMMUNITY STATE BANK
INST. NO. 9603667
- 37 THOMAS A. LEFFEL
INST. NO. 9901460
- 38 WILLIAM L. & ROSEMARY C. CLEMONS
INTR. NO. 200700004019
- 39 THOMAS & LEONE PRICE
D.R. 157 PAGE 380
- 40 CECIL L. PRICE
D.R. 197 PAGE 257
- 41 C. R. & M. RAILROAD
D.R. 72 PAGE 223
- 42 C. R. & M. RAILROAD
D.R. 71 PAGE 497
- 43 ROBERT O. & RAYLEE LOTHAR
INST. NO. 9701351
- 44 ROBERT O. & RAYLEE LOTHAR
D.R. 262 PAGE 165
- 45 ORREL W. NEWELL
D.R. 254 PAGE 306
- 46 DAVID B. & BARBARA J. ZARTMAN
INST. NO. 0200109
- 47 KEITH E. & LINDA J. HOOVER
D.R. 239 PAGE 473
- 48 LARRY & ANITA DOAN
INST. NO. 9705925
- 49 ROSS H. & LAURA M. KANTZER
D.R. 214 PAGE 834
- 50 STEVEN L. & TAMARA HICKS
D.R. 258 PAGE 538
- 51 PATRICK BURNS
INST. NO. 0202361
- 52 JANICE K., BRUCE E., RANDAL A., & KENT R. CRESS
INST. NO. 0402787
- 53 RANDY A. CRESS
INST. NO. 0406977
- 54 KENT R. CRESS
INTR. NO. 0406978
- 55 FREDERICK E. & GELENE SKINNER
D.R. 185 PAGE 96
- 56 HOWARD J. CORN
INST. NO. 0502685
- 57 JEFFREY D. & REBECCA S. SWANSON
D.R. 263 PAGE 650
- 58 DENNIS L. & NONIE G. FRYE
INST. NO. 9906870
- 59 DIANA McVAY
INST. NO. 9607711
- 60 DARL L. & JESSIE A. McVAY
INST. NO. 9601209

LOCATION CONTROL ROUTE SURVEY PLAT

for

S.R. 16 FROM TWELVE MILE TO U.S. 31

PREPARED BY: BUTLER, FAIRMAN & SEUFERT, INC.

SURVEYOR STATEMENT

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INDIANA DEPARTMENT OF TRANSPORTATION

ROUTE SURVEY PLAT

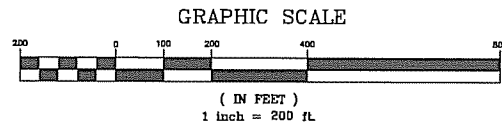
SIGNATURE *Mark W. Neal* 2/6/2008
REGISTERED LAND SURVEYOR DATE

SURVEY STARTED 11/08/07 STRUCTURE NO. DES. NO. 0600165

SURVEY COMPLETED 02/11/08 PROJECT NO. 0600165 YEAR SHEET TOTAL 2008 5 9



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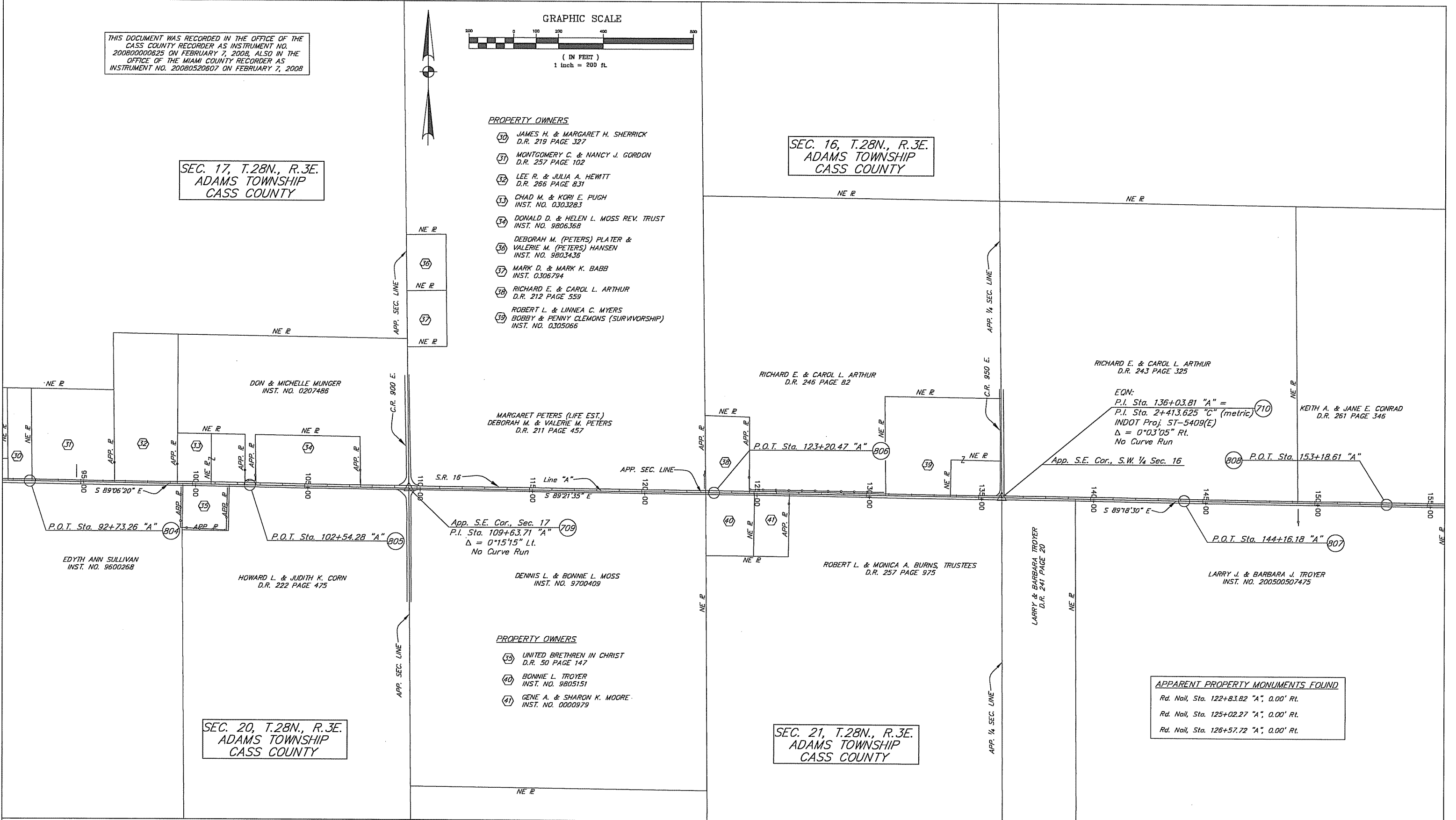


SEC. 17, T.28N., R.3E.
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CASS COUNTY

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ADAMS TOWNSHIP
CASS COUNTY

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- 30 JAMES H. & MARGARET H. SHERRICK
D.R. 219 PAGE 327
- 31 MONTGOMERY C. & NANCY J. GORDON
D.R. 257 PAGE 102
- 32 LEE R. & JULIA A. HEWITT
D.R. 266 PAGE 831
- 33 CHAD M. & KORI E. PUGH
INST. NO. 0303283
- 34 DONALD D. & HELEN L. MOSS REV. TRUST
INST. NO. 9806368
- 35 DEBORAH M. (PETERS) PLATER &
VALERIE M. (PETERS) HANSEN
INST. NO. 9803436
- 37 MARK D. & MARK K. BABB
INST. 0306794
- 38 RICHARD E. & CAROL L. ARTHUR
D.R. 212 PAGE 559
- 39 ROBERT L. & LINNEA C. MYERS
BOBBY & PENNY CLEMONS (SURVIVORSHIP)
INST. NO. 0305066



RICHARD E. & CAROL L. ARTHUR
D.R. 243 PAGE 325

EON:
P.I. Sta. 136+03.81 "A" =
P.I. Sta. 2+413.625 "C" (metric) 710
INDOT Proj. ST-5409(E)
 $\Delta = 0^{\circ}03'05''$ Rt.
No Curve Run

KEITH A. & JANE E. CONRAD
D.R. 261 PAGE 346

MARGARET PETERS (LIFE EST.)
DEBORAH M. & VALERIE M. PETERS
D.R. 211 PAGE 457

RICHARD E. & CAROL L. ARTHUR
D.R. 245 PAGE 82

App. S.E. Cor., S.W. 1/4 Sec. 16

P.O.T. Sta. 153+18.61 "A"

App. S.E. Cor., Sec. 17
P.I. Sta. 109+63.71 "A" 709
 $\Delta = 0^{\circ}15'15''$ Lt.
No Curve Run

ROBERT L. & MONICA A. BURNS, TRUSTEES
D.R. 257 PAGE 975

LARRY J. & BARBARA J. TROYER
INST. NO. 200500507475

PROPERTY OWNERS

- 35 UNITED BROTHERS IN CHRIST
D.R. 50 PAGE 147
- 40 BONNIE L. TROYER
INST. NO. 9805151
- 41 GENE A. & SHARON K. MOORE
INST. NO. 0000979

SEC. 20, T.28N., R.3E.
ADAMS TOWNSHIP
CASS COUNTY

SEC. 21, T.28N., R.3E.
ADAMS TOWNSHIP
CASS COUNTY

APPARENT PROPERTY MONUMENTS FOUND
Rd. Nail, Sta. 122+83.82 "A", 0.00' Rt.
Rd. Nail, Sta. 125+02.27 "A", 0.00' Rt.
Rd. Nail, Sta. 126+57.72 "A", 0.00' Rt.

LOCATION CONTROL ROUTE SURVEY PLAT
for
S.R. 16 FROM TWELVE MILE TO U.S. 31
PREPARED BY: BUTLER, FAIRMAN & SEUFERT, INC.

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 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.

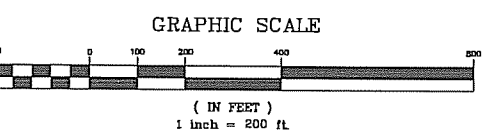
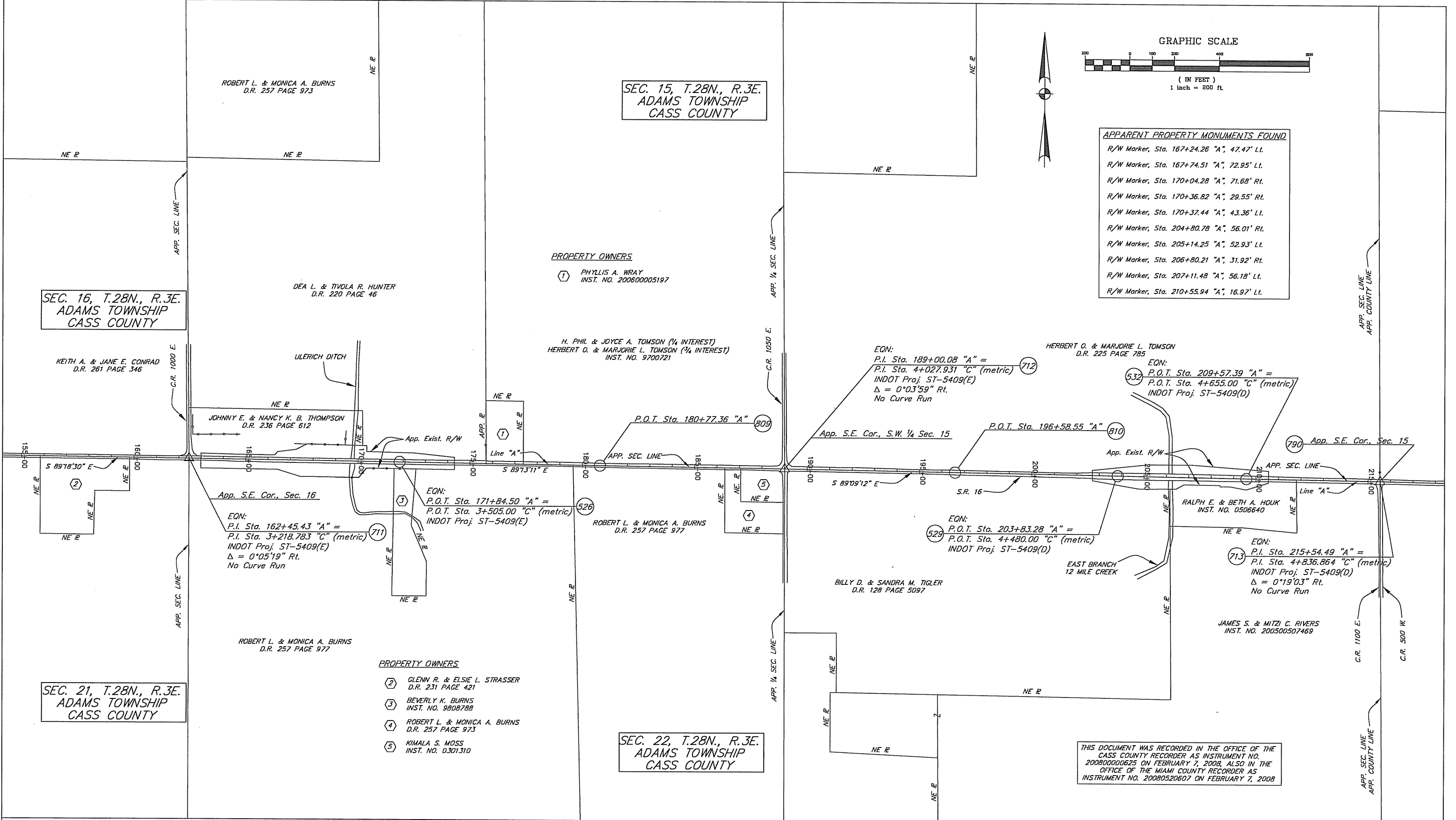
INDIANA DEPARTMENT OF TRANSPORTATION

ROUTE SURVEY PLAT

SIGNATURE *Mark W. Neal* 2/6/2008
REGISTERED LAND SURVEYOR DATE



SURVEY STARTED 11/08/07	STRUCTURE NO.	DES. NO. 0600165	YEAR 2008	SHEET 6	TOTAL 9
SURVEY COMPLETED 02/11/08	PROJECT NO. 0600165				



APPARENT PROPERTY MONUMENTS FOUND

- R/W Marker, Sta. 167+24.26 "A"; 47.47' Lt.
- R/W Marker, Sta. 167+74.51 "A"; 72.95' Lt.
- R/W Marker, Sta. 170+04.28 "A"; 71.68' Rt.
- R/W Marker, Sta. 170+36.82 "A"; 29.55' Rt.
- R/W Marker, Sta. 170+37.44 "A"; 43.36' Lt.
- R/W Marker, Sta. 204+80.78 "A"; 56.01' Rt.
- R/W Marker, Sta. 205+14.25 "A"; 52.93' Lt.
- R/W Marker, Sta. 206+80.21 "A"; 31.92' Rt.
- R/W Marker, Sta. 207+11.48 "A"; 56.18' Lt.
- R/W Marker, Sta. 210+55.94 "A"; 16.97' Lt.

PROPERTY OWNERS
① PHYLLIS A. WRAY
INST. NO. 200600005197

H. PHIL & JOYCE A. TOMSON (1/4 INTEREST)
HERBERT O. & MARJORIE L. TOMSON (1/4 INTEREST)
INST. NO. 9700721

EQN:
P.I. Sta. 189+00.08 "A" = ⑦⑫
P.I. Sta. 4+027.931 "C" (metric)
INDOT Proj. ST-5409(E)
Δ = 0°03'59" Rt.
No Curve Run

HERBERT O. & MARJORIE L. TOMSON
D.R. 225 PAGE 785
EQN:
P.O.T. Sta. 209+57.39 "A" = ⑤⑩
P.O.T. Sta. 4+655.00 "C" (metric)
INDOT Proj. ST-5409(D)

EQN:
P.I. Sta. 162+45.43 "A" = ⑦⑪
P.I. Sta. 3+218.783 "C" (metric)
INDOT Proj. ST-5409(E)
Δ = 0°05'19" Rt.
No Curve Run

EQN:
P.O.T. Sta. 171+84.50 "A" = ③
P.O.T. Sta. 3+505.00 "C" (metric)
INDOT Proj. ST-5409(E)

EQN:
P.O.T. Sta. 203+83.28 "A" = ⑤⑨
P.O.T. Sta. 4+480.00 "C" (metric)
INDOT Proj. ST-5409(D)

EQN:
P.I. Sta. 215+54.49 "A" = ⑦⑬
P.I. Sta. 4+836.864 "C" (metric)
INDOT Proj. ST-5409(D)
Δ = 0°19'03" Rt.
No Curve Run

- PROPERTY OWNERS**
- ② GLENN R. & ELSIE L. STRASSER
D.R. 231 PAGE 421
 - ③ BEVERLY K. BURNS
INST. NO. 9808788
 - ④ ROBERT L. & MONICA A. BURNS
D.R. 257 PAGE 973
 - ⑤ KIMALA S. MOSS
INST. NO. 0301310

THIS DOCUMENT WAS RECORDED IN THE OFFICE OF THE
CASS COUNTY RECORDER AS INSTRUMENT NO.
20080000625 ON FEBRUARY 7, 2008, ALSO IN THE
OFFICE OF THE MIAMI COUNTY RECORDER AS
INSTRUMENT NO. 20080520607 ON FEBRUARY 7, 2008

LOCATION CONTROL ROUTE SURVEY PLAT
for
S.R. 16 FROM TWELVE MILE TO U.S. 31
PREPARED BY: BUTLER, FAIRMAN & SEUFERT, INC.

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 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.

INDIANA DEPARTMENT OF TRANSPORTATION

ROUTE SURVEY PLAT

SIGNATURE Mark W. Neal 2/6/2008 DATE

REGISTERED LAND SURVEYOR

SURVEY STARTED 11/08/07	STRUCTURE NO.	DES. NO. 0600165
SURVEY COMPLETED 02/11/08	PROJECT NO. 0600165	YEAR 2008
	SHEET 7	TOTAL 9

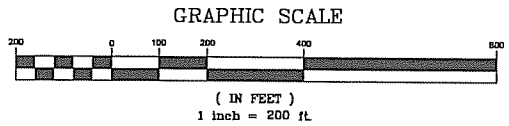
SEC. 13, T.28N., R.3E.
UNION TOWNSHIP
MIAMI COUNTY

PROPERTY OWNERS
① DAVID G. & CHERYL SUNDAY
INST. NO. 20060523447

H. PHIL & JOYCE A. TOMSON
D.R. 170 PAGE 66

⑦ App. S.W. Cor., S.E. 1/4 Sec. 13
P.I. Sta. 295+05.87 "A"
 $\Delta = 0^{\circ}01'12''$ Rt.
No Curve Run

MAX R. SULLIVAN TRUST
D.R. 197 PAGE 454



APPARENT PROPERTY MONUMENTS FOUND
R/W Marker, Sta. 294+51.58 "A", 40.53' Lt.
R/W Marker, Sta. 295+45.87 "A", 70.08' Lt.

PROPERTY OWNERS
② STUART S. & CHRISTY L. SULLIVAN
D.R. 190 PAGE 694

SEC. 24, T.28N., R.3E.
JEFFERSON TOWNSHIP
MIAMI COUNTY

THIS DOCUMENT WAS RECORDED IN THE OFFICE OF THE
CASS COUNTY RECORDER AS INSTRUMENT NO.
20080000625 ON FEBRUARY 7, 2008, ALSO IN THE
OFFICE OF THE MIAMI COUNTY RECORDER AS
INSTRUMENT NO. 20080520607 ON FEBRUARY 7, 2008

LOCATION CONTROL ROUTE SURVEY PLAT
for
S.R. 16 FROM TWELVE MILE TO U.S. 31
PREPARED BY: BUTLER, FAIRMAN & SEUFERT, INC.

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 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.

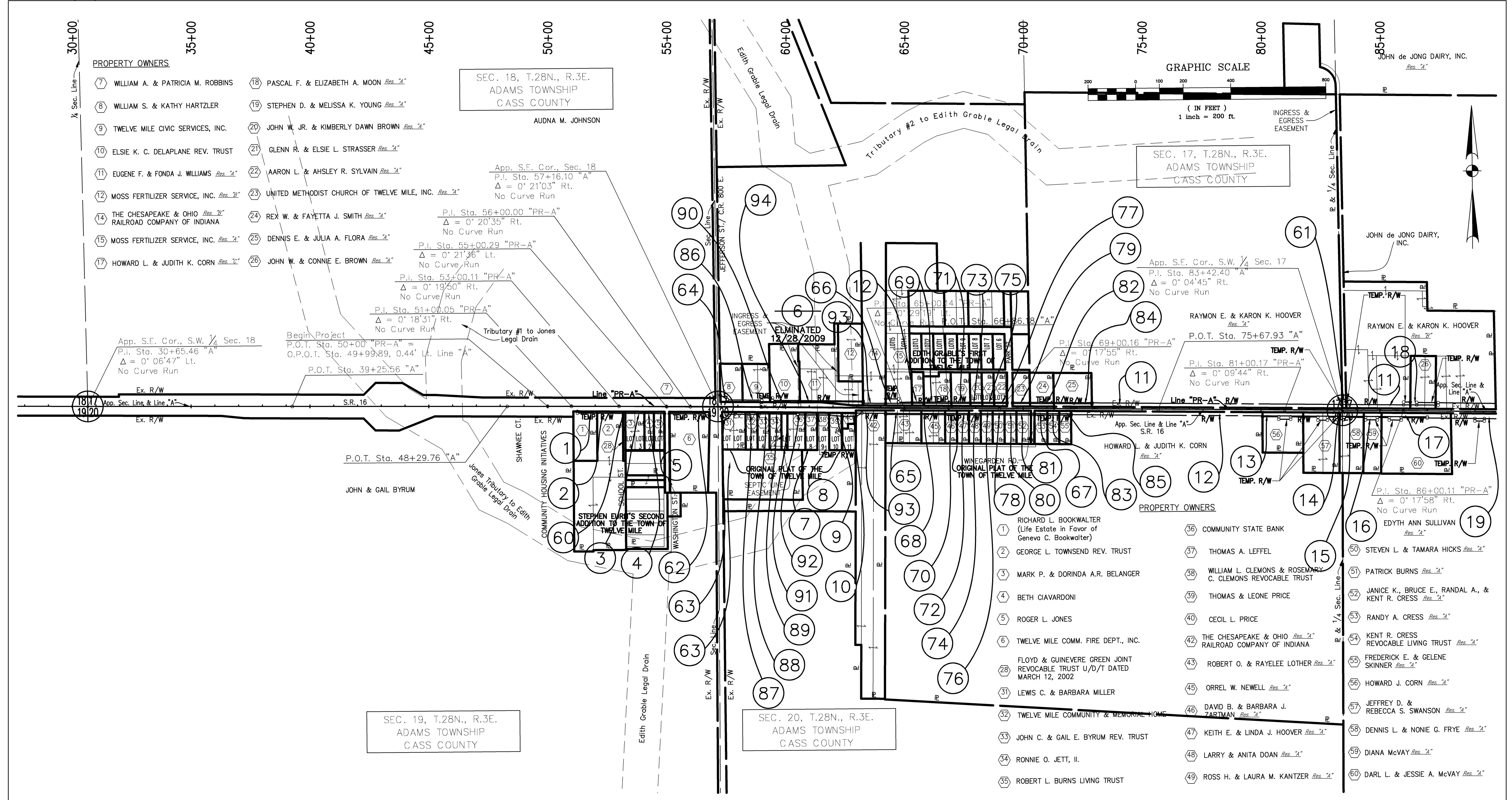
INDIANA DEPARTMENT OF TRANSPORTATION

ROUTE SURVEY PLAT

SIGNATURE *Mark W. Neal* 2/6/2008
REGISTERED LAND SURVEYOR DATE

SURVEY STARTED 11/08/07	STRUCTURE NO.	DES. NO. 0600165
SURVEY COMPLETED 02/11/08	PROJECT NO. 0600165	YEAR SHEET TOTAL 2008 9 9

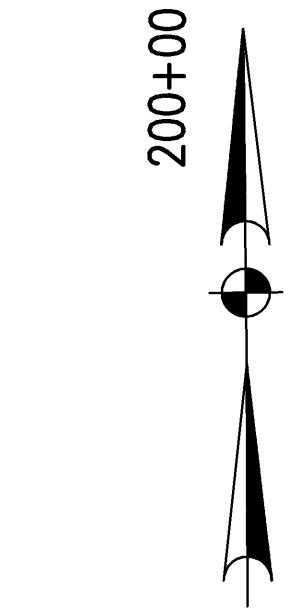
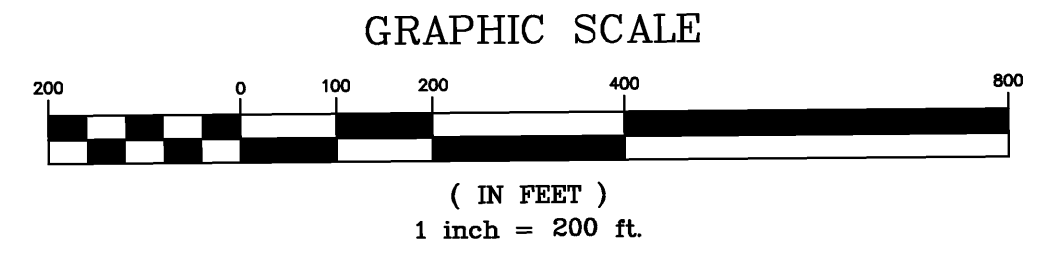
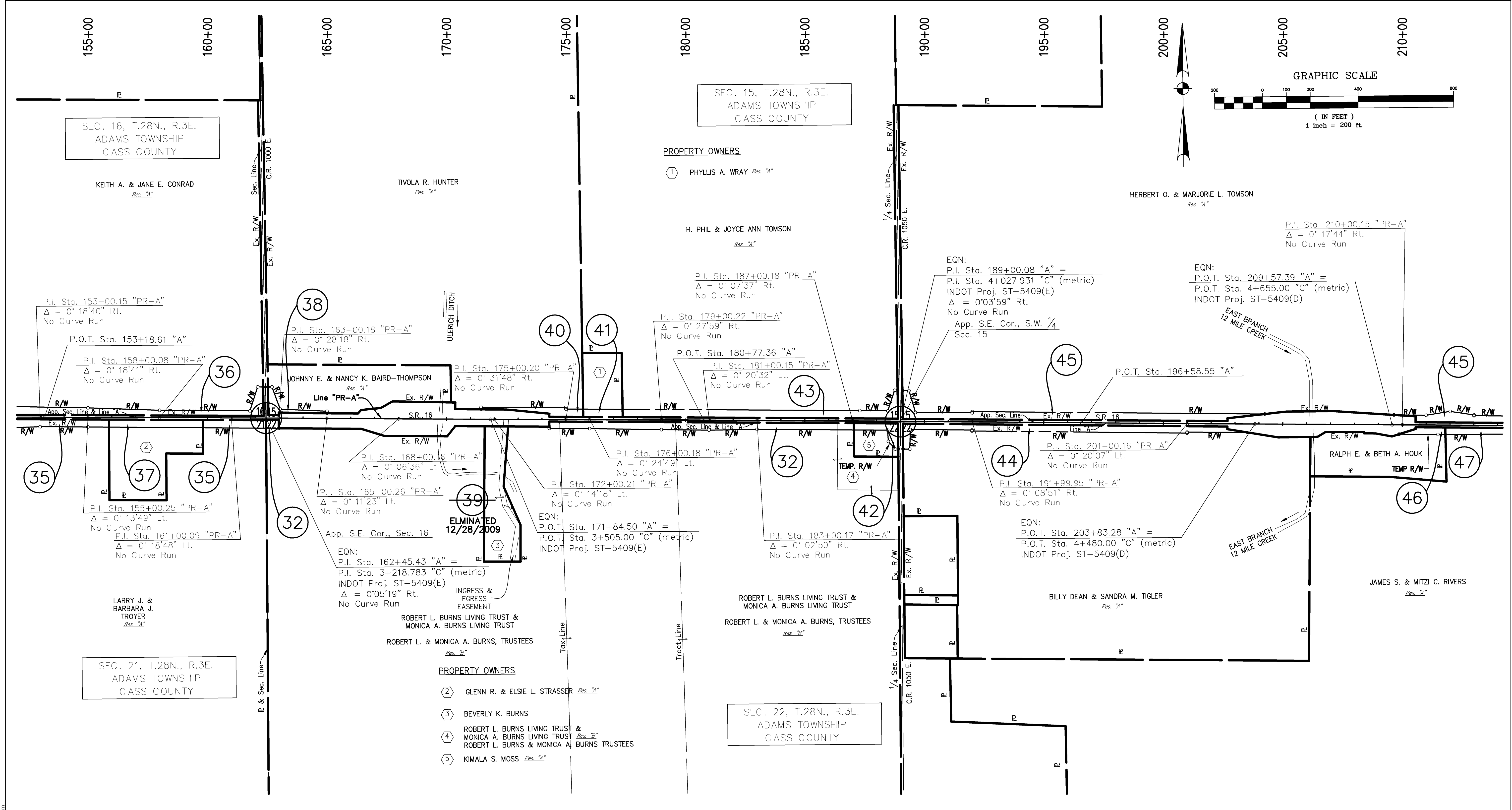




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 PLOTTED BY: cawest@indot.gov
 DATE: 04/05/2010 11:11am

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE		BRIDGE FILE	
								1" = 200'		N/A	
								VERTICAL SCALE		DESIGNATION	
DESIGNED: CP		DRAWN: JP				SURVEY BOOK		DWG. NO.		SHEET NO.	
CHECKED: MP		CHECKED: MP				RS-29128		PL-01		12 of 45	
								PROJECT		0600165	

PLAT No. 1



PROPERTY OWNERS

① PHYLIS A. WRAY Res. "A"

H. PHIL & JOYCE ANN TOMSON Res. "A"

P.I. Sta. 187+00.18 "PR-A"
 $\Delta = 0^\circ 07'37''$ Rt.
 No Curve Run

P.I. Sta. 179+00.22 "PR-A"
 $\Delta = 0^\circ 27'59''$ Rt.
 No Curve Run

P.O.T. Sta. 180+77.36 "A"
 P.I. Sta. 181+00.15 "PR-A"
 $\Delta = 0^\circ 20'32''$ Lt.
 No Curve Run

P.I. Sta. 176+00.18 "PR-A"
 $\Delta = 0^\circ 24'49''$ Lt.
 No Curve Run

P.I. Sta. 172+00.21 "PR-A"
 $\Delta = 0^\circ 14'18''$ Lt.
 No Curve Run

EQN:
 P.O.T. Sta. 171+84.50 "A" =
 P.O.T. Sta. 3+505.00 "C" (metric)
 INDOT Proj. ST-5409(E)

P.I. Sta. 183+00.17 "PR-A"
 $\Delta = 0^\circ 02'50''$ Rt.
 No Curve Run

EQN:
 P.I. Sta. 189+00.08 "A" =
 P.I. Sta. 4+027.931 "C" (metric)
 INDOT Proj. ST-5409(E)
 $\Delta = 0^\circ 03'59''$ Rt.
 No Curve Run
 App. S.E. Cor., S.W. $\frac{1}{4}$
 Sec. 15

EQN:
 P.O.T. Sta. 209+57.39 "A" =
 P.O.T. Sta. 4+655.00 "C" (metric)
 INDOT Proj. ST-5409(D)

P.I. Sta. 210+00.15 "PR-A"
 $\Delta = 0^\circ 17'44''$ Rt.
 No Curve Run

P.I. Sta. 201+00.16 "PR-A"
 $\Delta = 0^\circ 20'07''$ Lt.
 No Curve Run

P.I. Sta. 191+99.95 "PR-A"
 $\Delta = 0^\circ 08'51''$ Rt.
 No Curve Run

EQN:
 P.O.T. Sta. 203+83.28 "A" =
 P.O.T. Sta. 4+480.00 "C" (metric)
 INDOT Proj. ST-5409(D)

ELIMINATED
 12/28/2009

ROBERT L. BURNS LIVING TRUST &
 MONICA A. BURNS LIVING TRUST
 ROBERT L. & MONICA A. BURNS, TRUSTEES
 Res. "B"

PROPERTY OWNERS

② GLENN R. & ELSIE L. STRASSER Res. "A"

③ BEVERLY K. BURNS

④ ROBERT L. BURNS LIVING TRUST &
 MONICA A. BURNS LIVING TRUST
 ROBERT L. BURNS & MONICA A. BURNS TRUSTEES
 Res. "B"

⑤ KIMALA S. MOSS Res. "A"

SEC. 22, T.28N., R.3E.
 ADAMS TOWNSHIP
 CASS COUNTY

SEC. 16, T.28N., R.3E.
 ADAMS TOWNSHIP
 CASS COUNTY

KEITH A. & JANE E. CONRAD
 Res. "A"

TIVOLA R. HUNTER
 Res. "A"

SEC. 15, T.28N., R.3E.
 ADAMS TOWNSHIP
 CASS COUNTY

HERBERT O. & MARJORIE L. TOMSON
 Res. "A"

RALPH E. & BETH A. HOUK
 Res. "A"

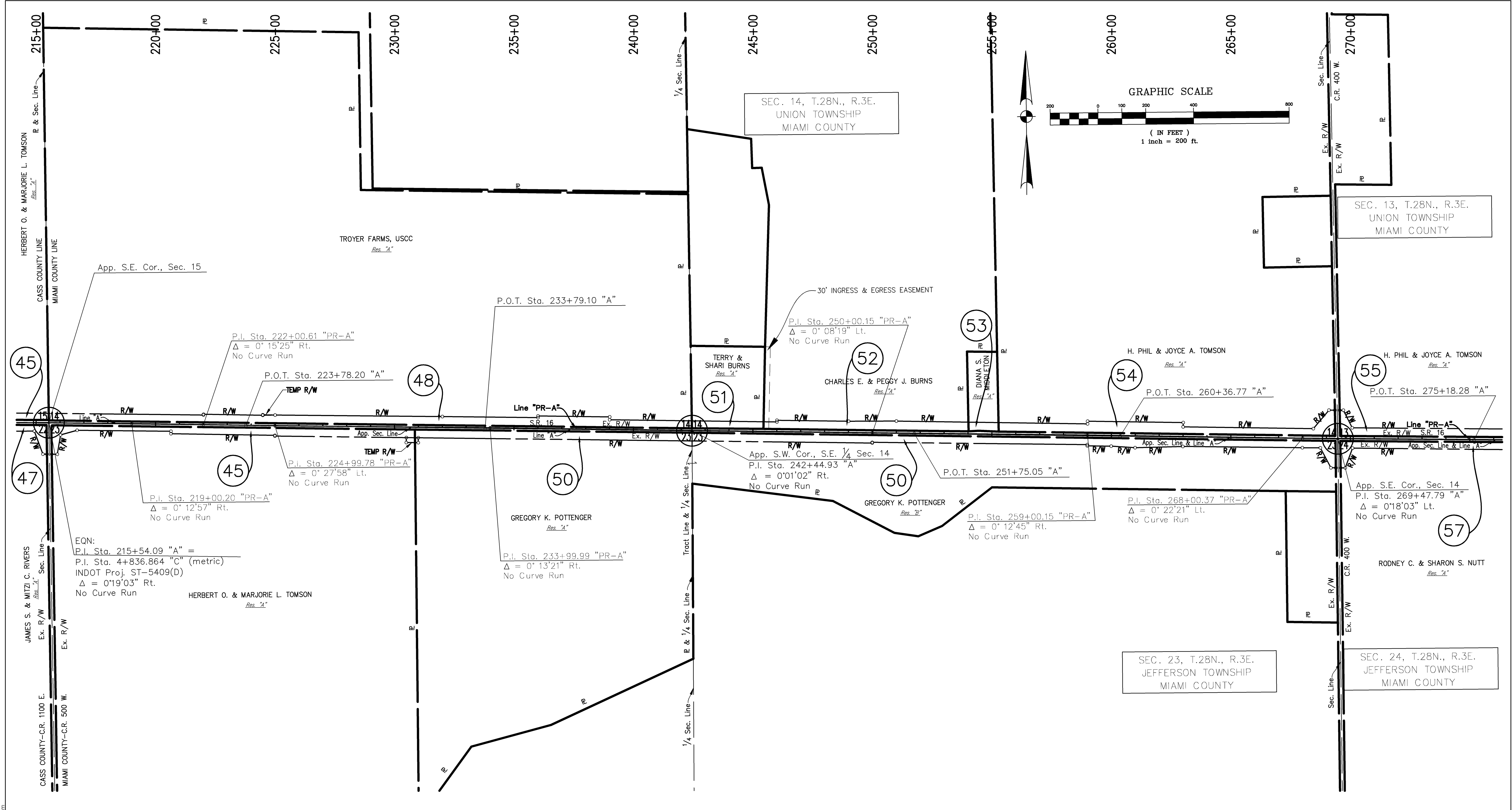
JAMES S. & MITZI C. RIVERS
 Res. "A"

LARRY J. &
 BARBARA J. TROYER
 Res. "A"

SEC. 21, T.28N., R.3E.
 ADAMS TOWNSHIP
 CASS COUNTY

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						1" = 200'	N/A
DESIGNED: CP	DRAWN: JP				PLAT No. 1	VERTICAL SCALE	DESIGNATION
CHECKED: MP	CHECKED: MP						0600165
						SURVEY BOOK	DWG. NO. SHEET NO.
						RS-29128	PL-03 14 of 45
						CONTRACT	PROJECT
							0600165



EQN:
 P.I. Sta. 215+54.09 "A" =
 P.I. Sta. 4+836.864 "C" (metric)
 INDOT Proj. ST-5409(D)
 $\Delta = 0^{\circ}19'03"$ Rt.
 No Curve Run
 HERBERT O. & MARJORIE L. TOMSON
 Res. "A"

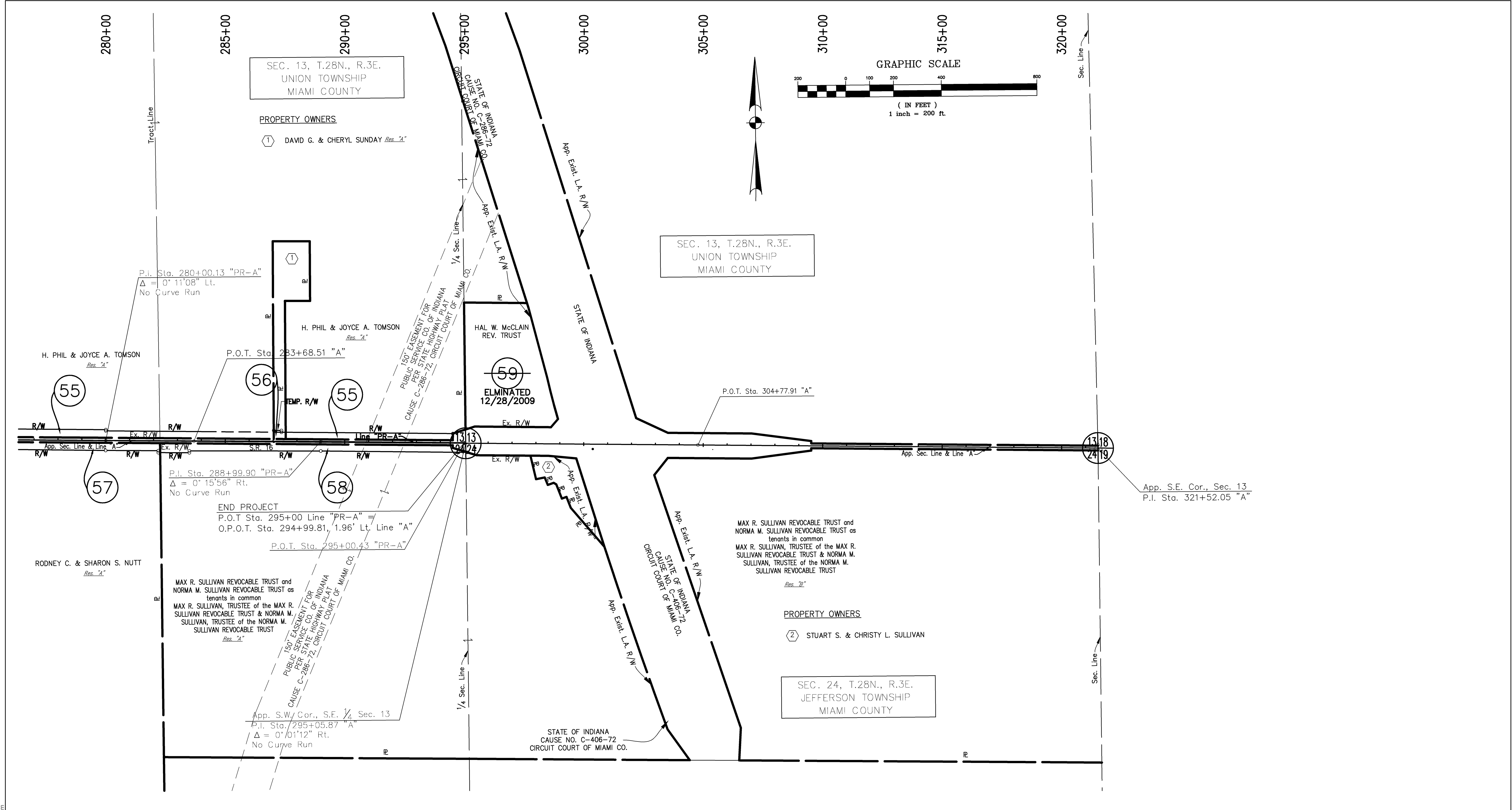
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RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED:	CP	DRAWN:	JP		
CHECKED:	MP	CHECKED:	MP		

INDIANA
 DEPARTMENT OF TRANSPORTATION

 PLAT No. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 200'	N/A
VERTICAL SCALE	DESIGNATION
	0600165
SURVEY BOOK	DWG. NO. SHEET NO.
	PL-04 15 of 45
CONTRACT	PROJECT
RS-29128	0600165



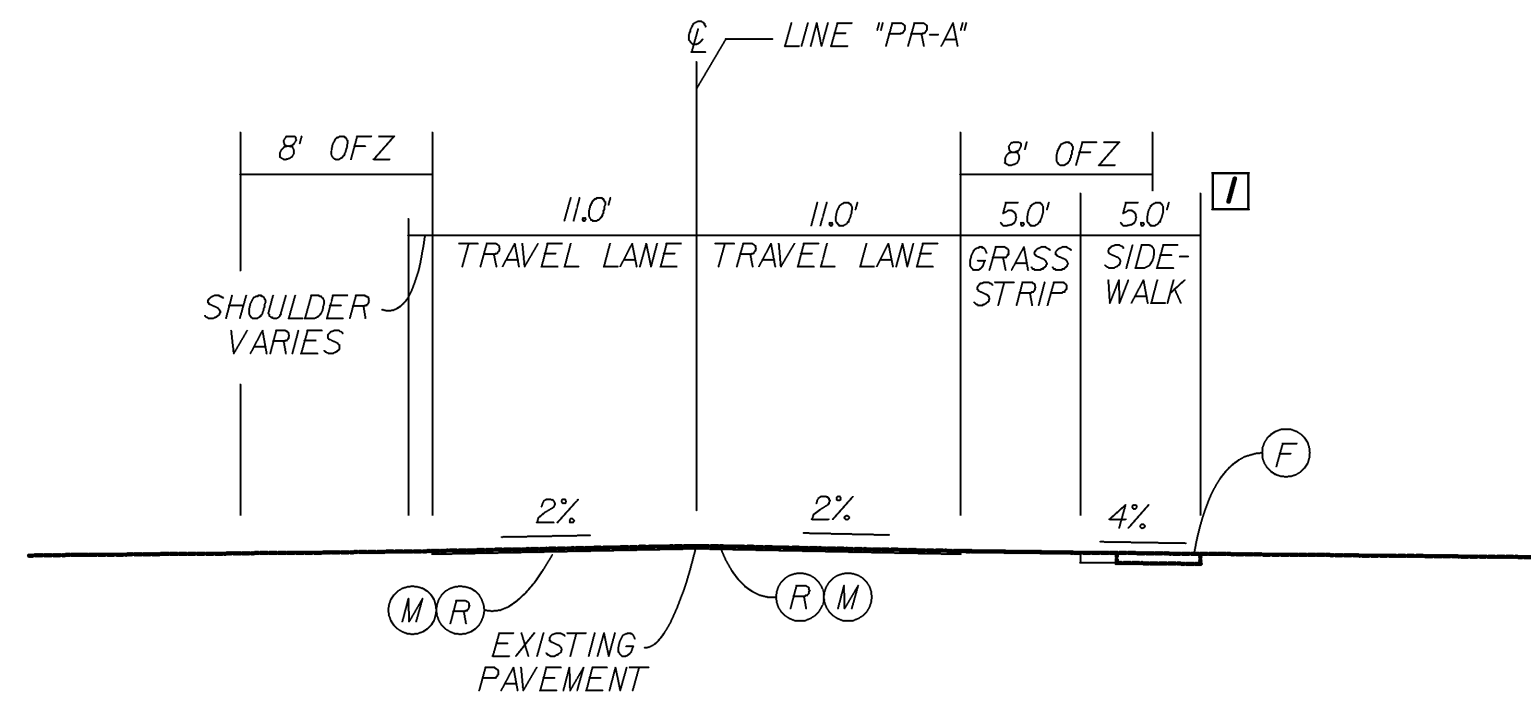
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CHECKED:	MP	CHECKED:	MP		

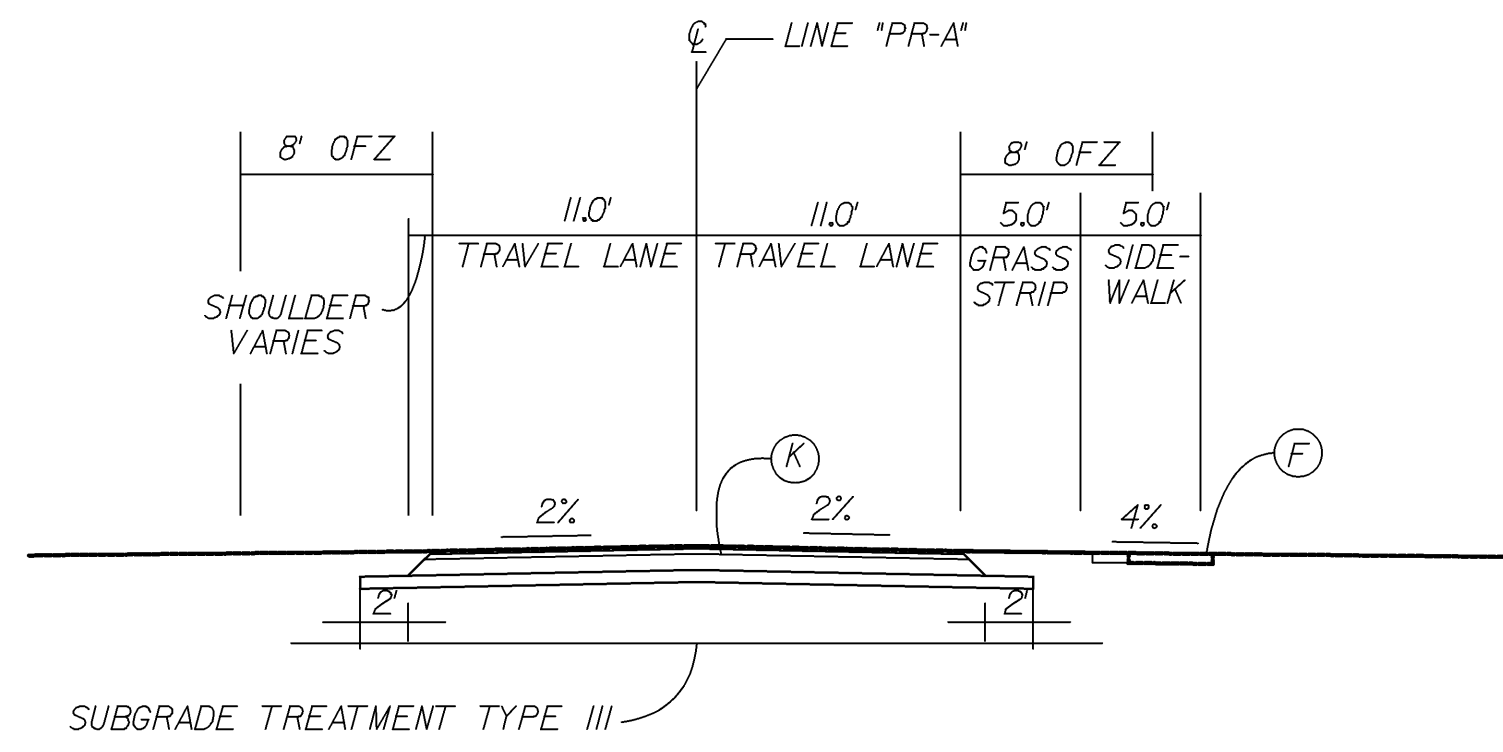
INDIANA
 DEPARTMENT OF TRANSPORTATION

 PLAT No. 1

HORIZONTAL SCALE	BRIDGE FILE	
1" = 200'	N/A	
VERTICAL SCALE	DESIGNATION	
	0600165	
SURVEY BOOK	DWG. NO.	SHEET NO.
	PL-05	16 of 45
CONTRACT	PROJECT	
RS-29128	0600165	



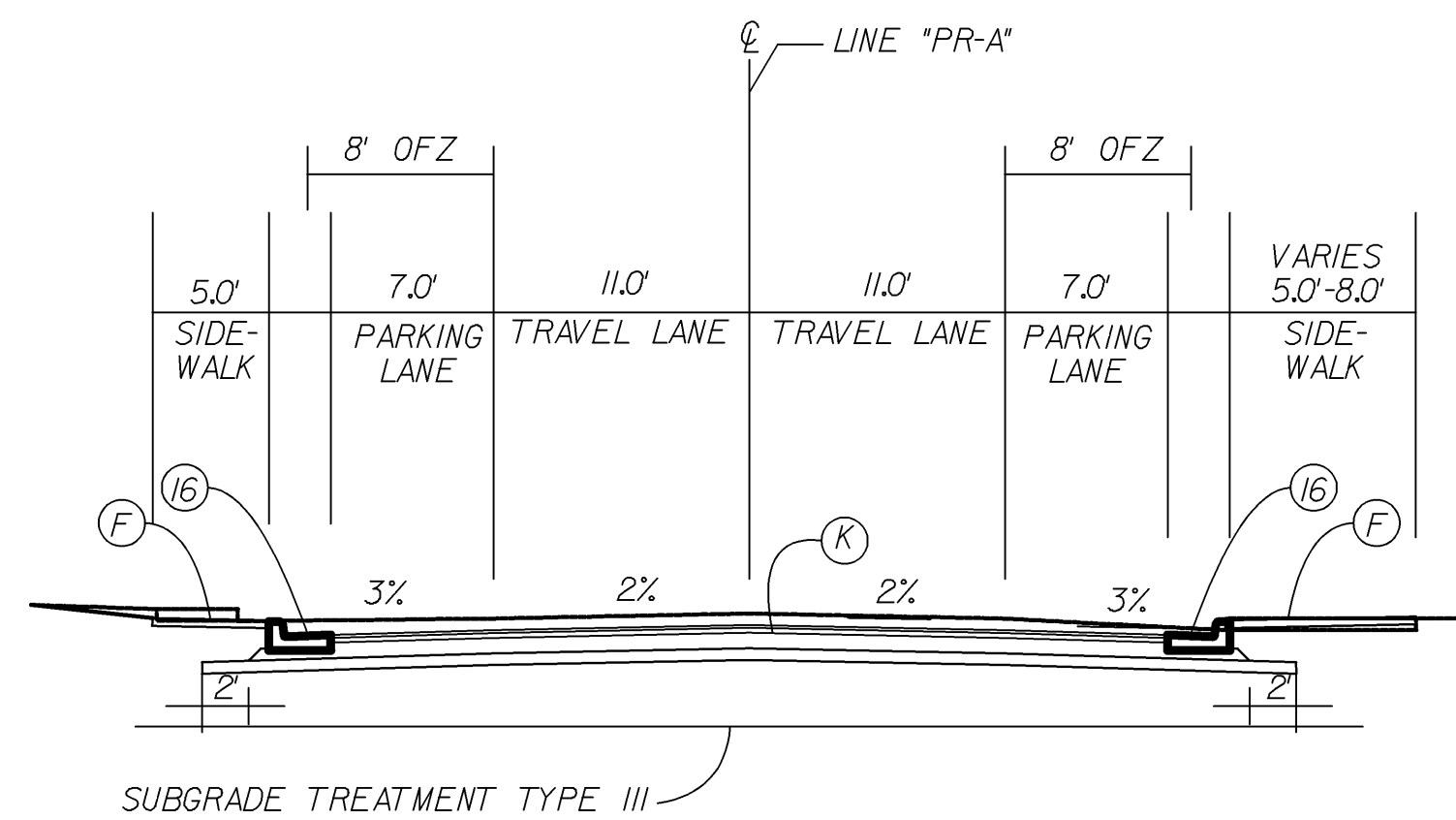
TYPICAL RESURFACE SECTION
STA. 50+00"PR-A TO STA. 55+00"PR-A



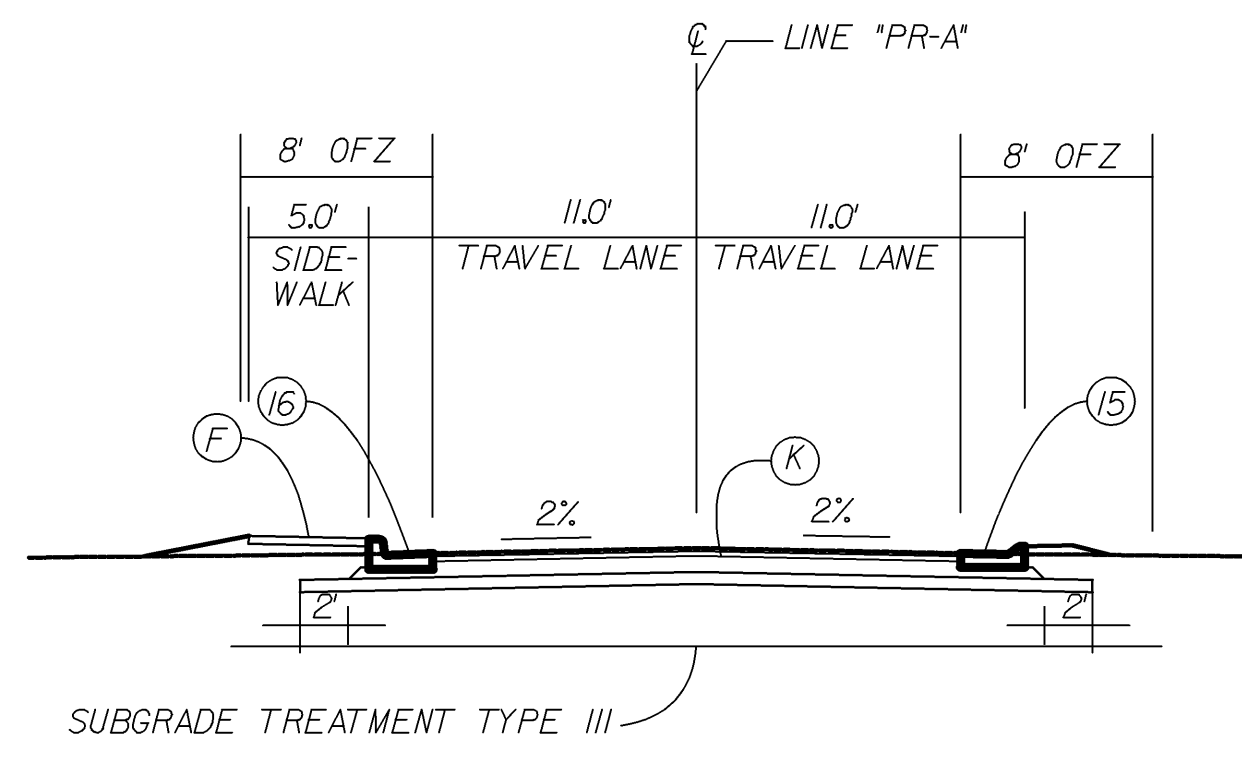
TYPICAL FULL DEPTH SECTION
STA. 55+00"PR-A TO STA. 57+35"PR-A

NOTES

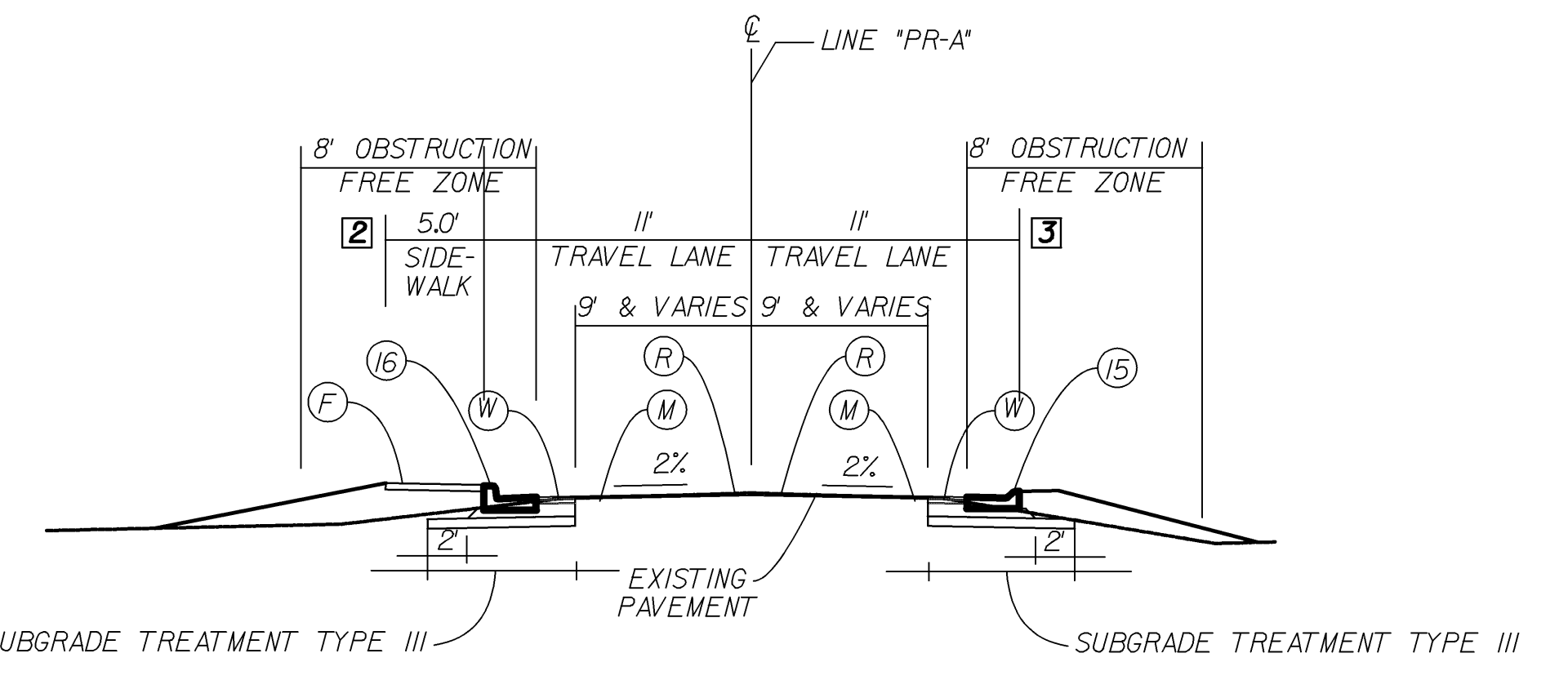
- 1 SIDEWALK BEGINS AT STA. 50+73.3, RT
- 2 SIDEWALK & BARRIER CURB ENDS AT STA. 69+25.2, LT
- 3 MOUNTABLE CURB ENDS AT STA. 70+25.4, LT



TYPICAL FULL DEPTH SECTION W/ PARKING LANE
STA. 57+35"PR-A TO STA. 62+97"PR-A



TYPICAL FULL DEPTH SECTION
STA. 62+97"PR-A TO STA. 65+00"PR-A



TYPICAL WIDEN & RESURFACE SECTION
STA. 65+00 "PR-A TO STA. 73+00 "PR-A

DIRECTORY: R:\4512\0607\ProjectDevelopment\ROW\RWENG\CalculationDrawings\ LTSCALE...1
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 DATE: 07/2010 - 9:48am

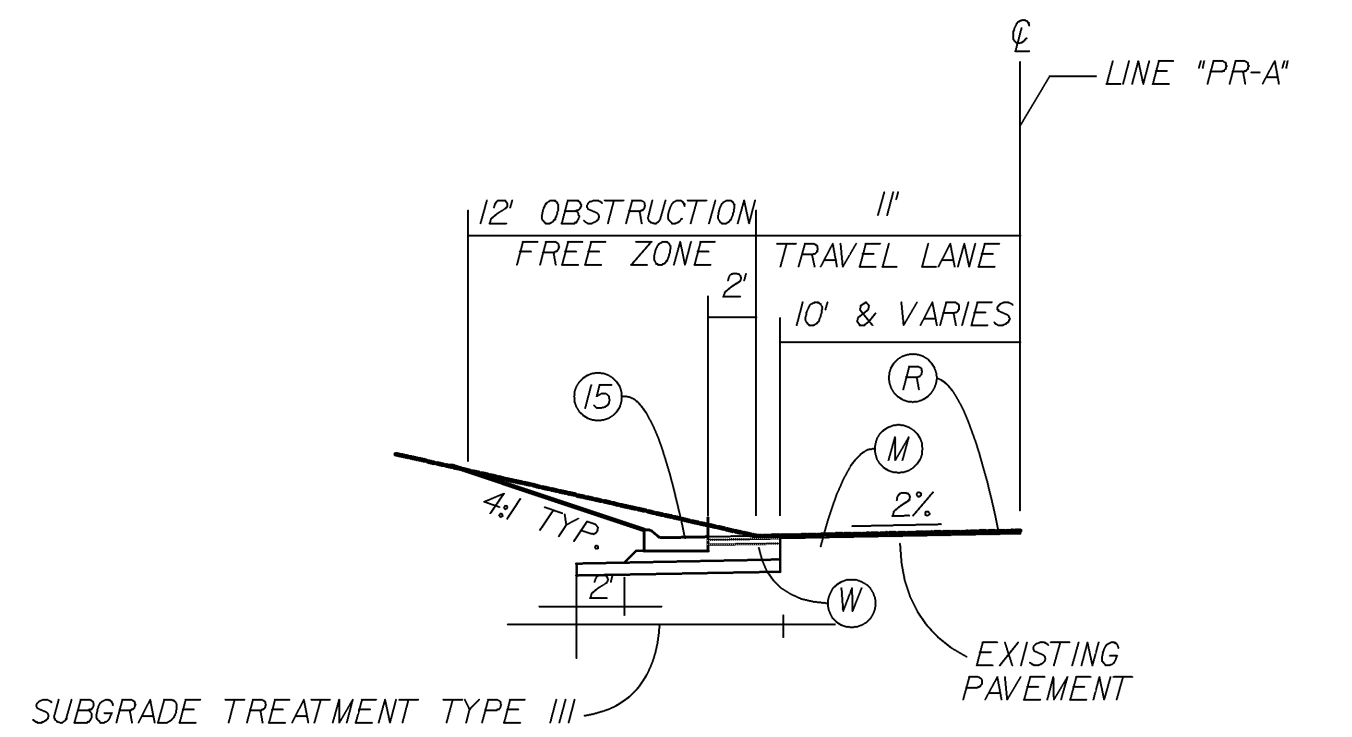
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CP	DRAWN: JS	
CHECKED: TJ	CHECKED: MP	

INDIANA
DEPARTMENT OF TRANSPORTATION

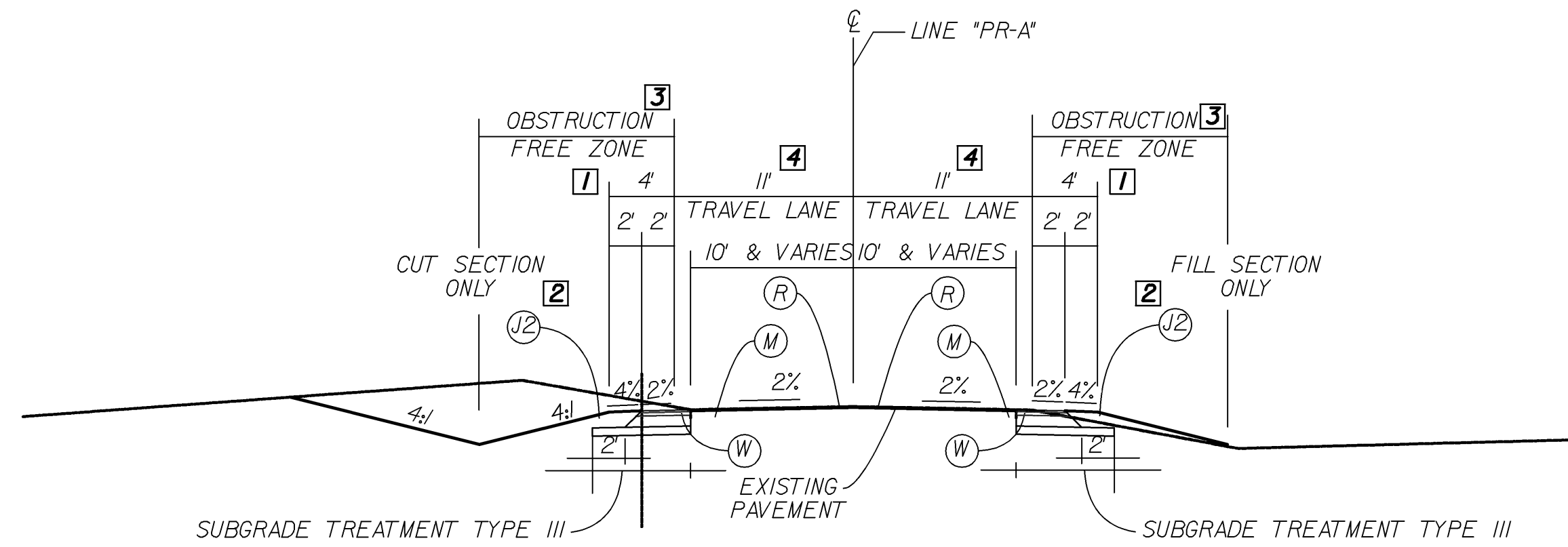
TYPICAL SECTIONS

HORIZONTAL SCALE 1" = 8'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 0600165
SURVEY BOOK	DWG. NO. SHEET NO. 17 of 45
CONTRACT RS-29128	PROJECT 0600165

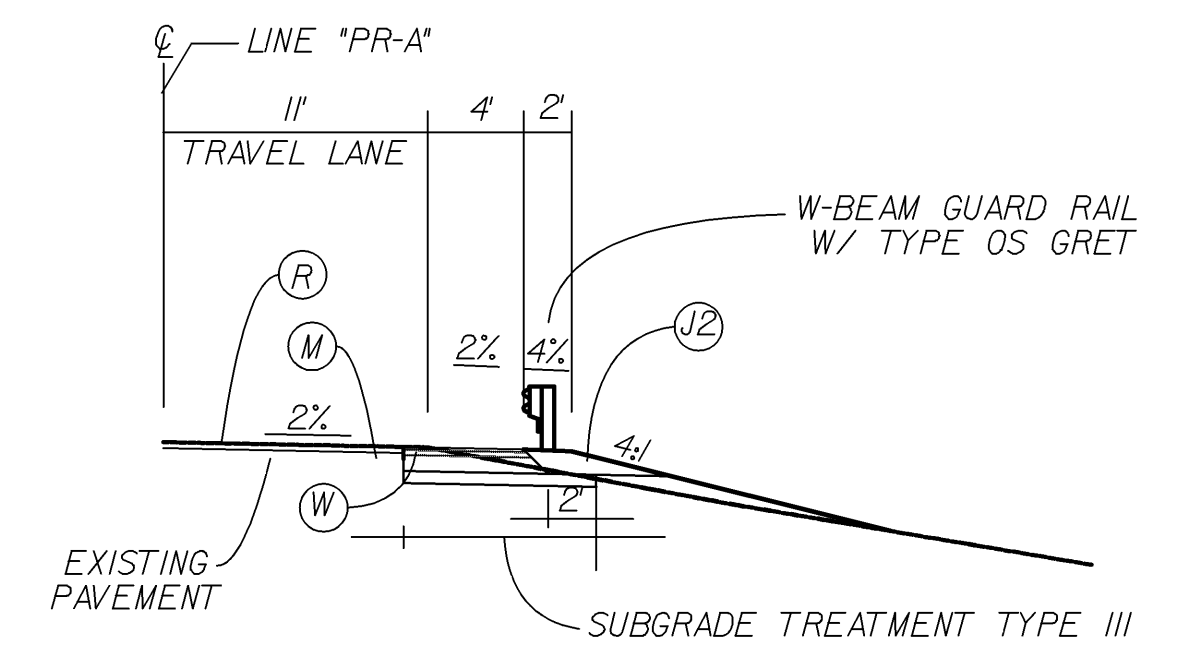


TYPICAL WIDEN & RESURFACE HALF SECTION FOR CURB & GUTTER LOCATIONS

STA. 82+93"PR-A TO STA. 86+61"PR-A, LT.
 STA. 79+93"PR-A TO STA. 87+00"PR-A, RT.
 STA. 89+93"PR-A TO STA. 96+65"PR-A, LT.
 STA. 99+50"PR-A TO STA. 102+50"PR-A, RT.
 STA. 105+93"PR-A TO STA. 109+46"PR-A, LT.
 (RIGHT SIDE REVERSED)

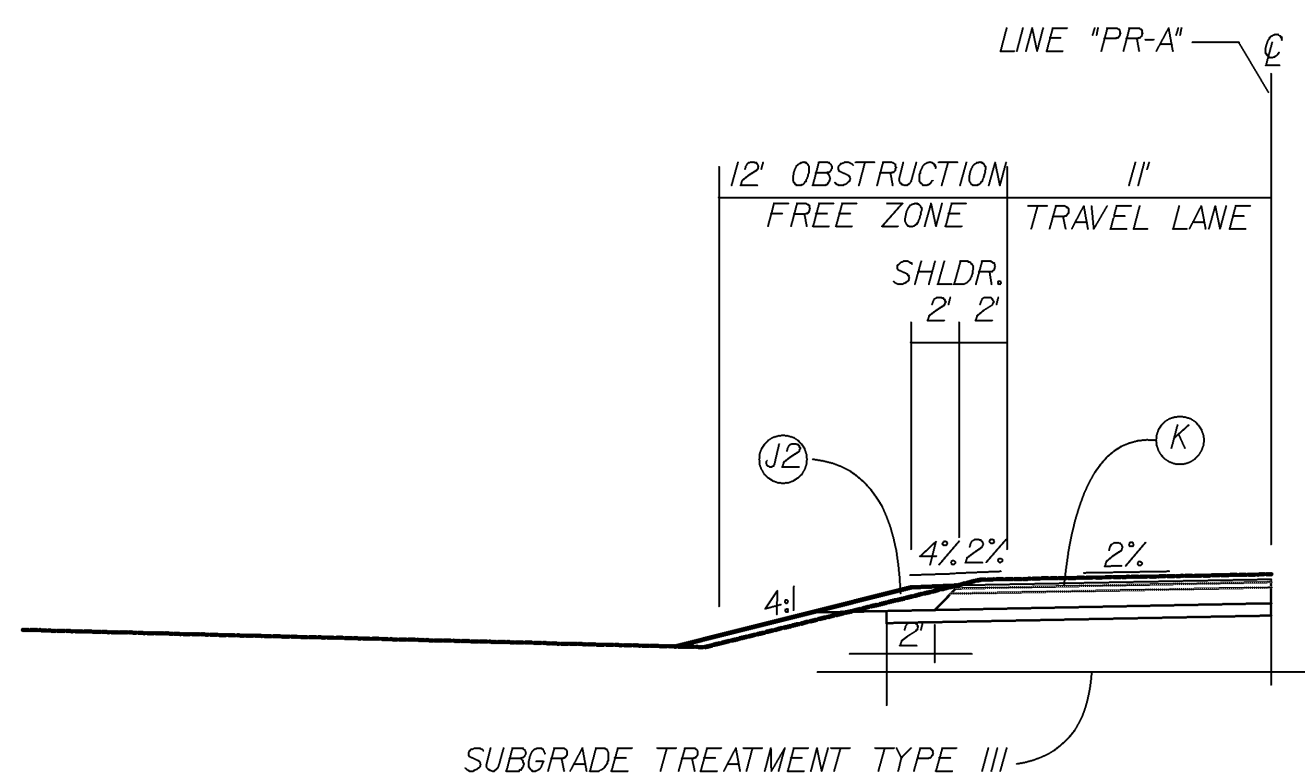


TYPICAL WIDEN & RESURFACE SECTION
 STA. 73+00"PR-A TO STA. 105+32"PR-A

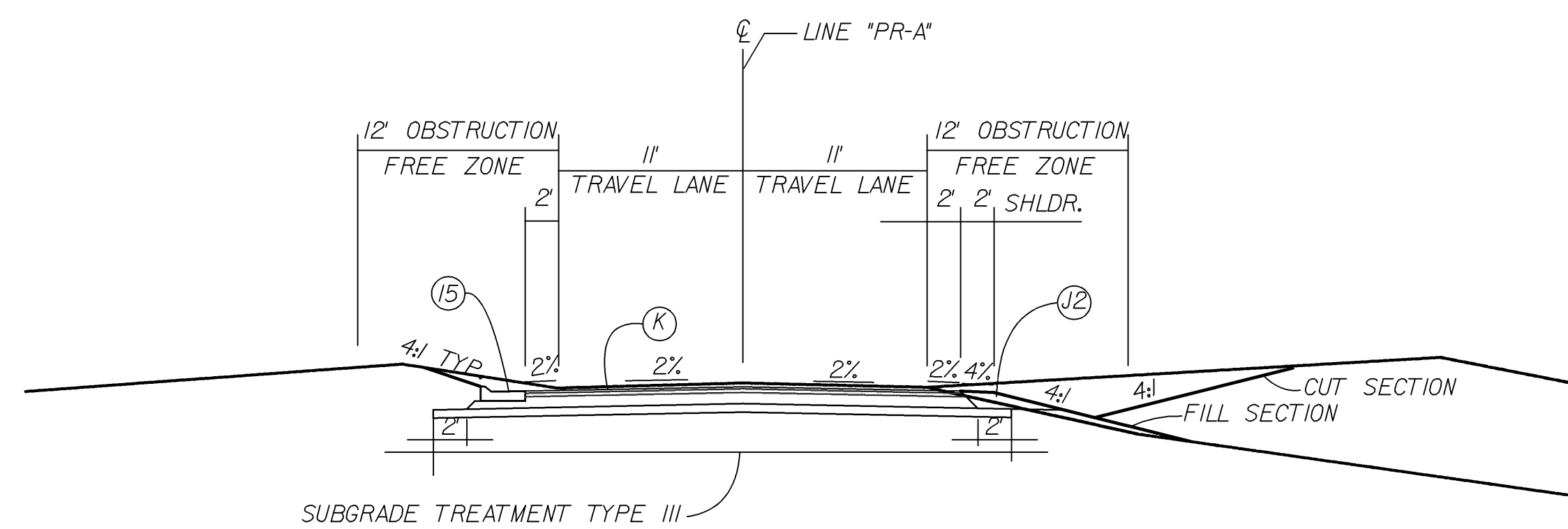


TYPICAL WIDEN & RESURFACE HALF SECTION FOR GUARDRAIL

STA. 289+46"PR-A TO STA. 293+08.5 "PR-A, RT
 (LEFT SIDE REVERSED)



TYPICAL FULL DEPTH HALF SECTION
 STA. 105+32"PR-A TO STA. 105+93"PR-A



TYPICAL FULL DEPTH SECTION
 STA. 105+32"PR-A TO STA. 109+58"PR-A

NOTES

- 1 SHOULDER WIDTH TAPERS FROM 0'-0" TO 4'-0" FROM STA.73+00.0 "PR-A" RT TO 74+00.0 "PR-A" RT
 SHOULDER WIDTH TAPERS FROM 4'-0" TO 0'-0" FROM STA.73+00.0 "PR-A" RT TO 74+00.0 "PR-A" LT
 SHOULDER WIDTH TAPERS FROM 4'-0" TO 8'-0" FROM STA.80+00.0 "PR-A" RT TO 80+75.4 "PR-A" RT
 SHOULDER WIDTH TAPERS FROM 8'-0" TO 4'-0" FROM STA.86+75.3 "PR-A" RT TO 87+48.5 "PR-A" RT
 SHOULDER WIDTH TAPERS FROM 4'-0" TO 8'-0" FROM STA.90+92.0 "PR-A" RT TO 92+14.5 "PR-A" RT
 SHOULDER WIDTH TAPERS FROM 8'-0" TO 4'-0" FROM STA.92+37.7 "PR-A" RT TO 93+55.3 "PR-A" RT
 SHOULDER WIDTH TAPERS FROM 4'-0" TO 8'-0" FROM STA.94+16.0 "PR-A" RT TO 95+38.6 "PR-A" RT
 SHOULDER WIDTH TAPERS FROM 8'-0" TO 4'-0" FROM STA.95+61.7 "PR-A" RT TO 96+88.0 "PR-A" RT
 SHOULDER WIDTH TAPERS FROM 4'-0" TO 8'-0"
- 2 EARTHEN SHOULDER WITH SODDING FROM STA. 82+55"PR-A TO STA. 82+93 LT. EXCLUDING DRIVES
- 3 OBSTRUCTION FREE ZONE IS 8' FROM STA. 5+00"PR-A TO STA. 98+20"PR-A
 OBSTRUCTION FREE ZONE IS 12' FROM STA. 98+20"PR-A TO STA. 295+00"PR-A
- 4 LANE WIDTH TAPERS FROM 10'-0" TO 11'-0" FROM STA. 73+00 "PR-A" TO 74+00 "PR-A"

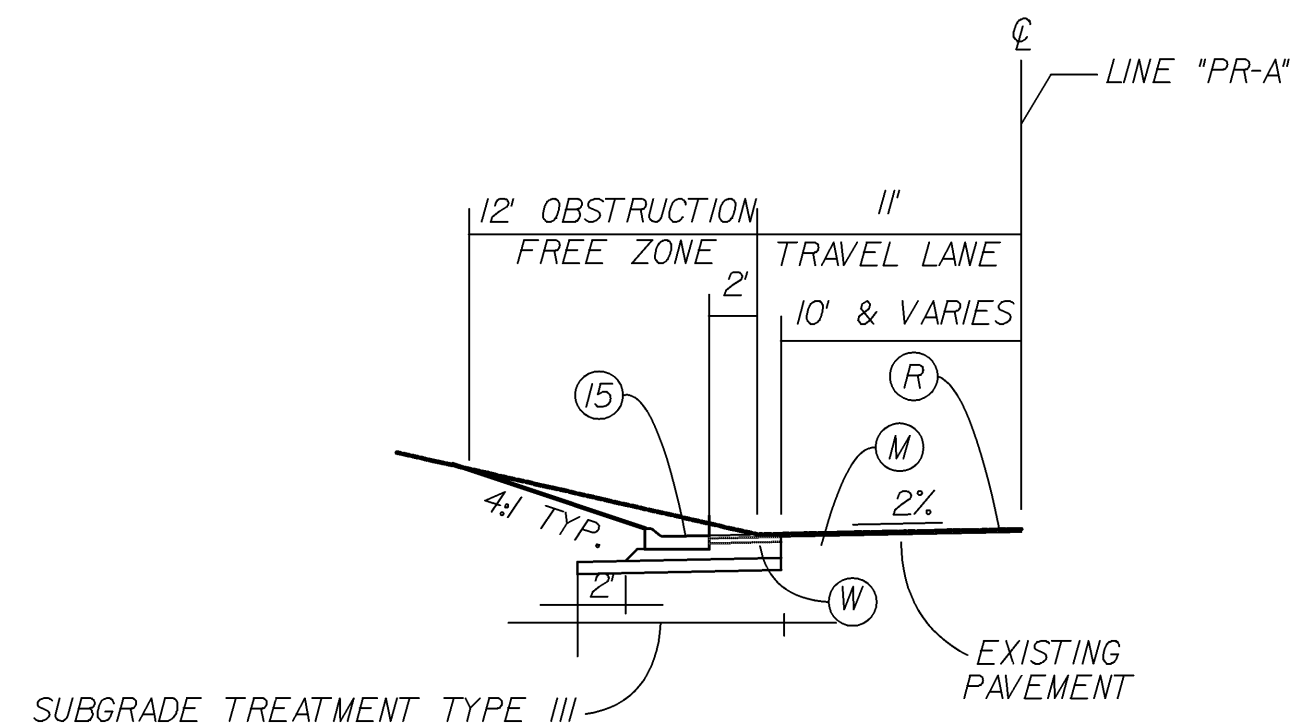
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 DATE...02/20/10 - 9:51am

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CP	DRAWN: JS	
CHECKED: TJ	CHECKED: MP	

INDIANA
 DEPARTMENT OF TRANSPORTATION

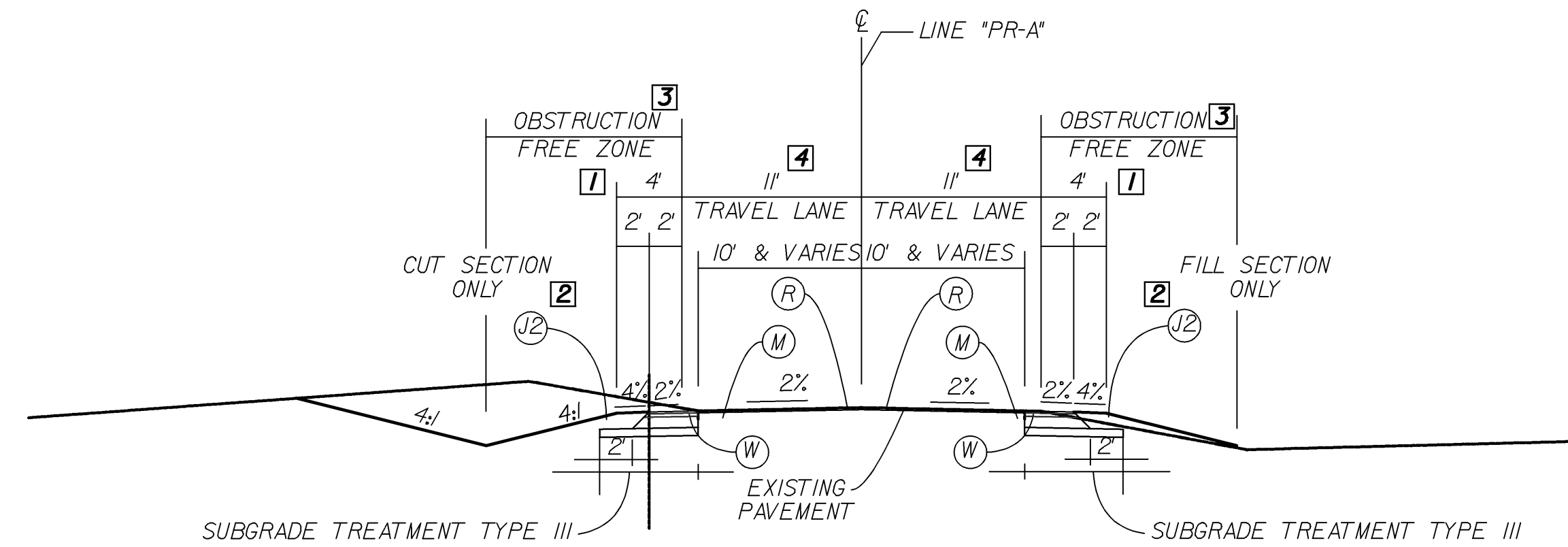
TYPICAL SECTIONS

HORIZONTAL SCALE 1" = 8'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 0600165
SURVEY BOOK	DWG. NO. SHEET NO. 18 of 45
CONTRACT RS-29128	PROJECT 0600165

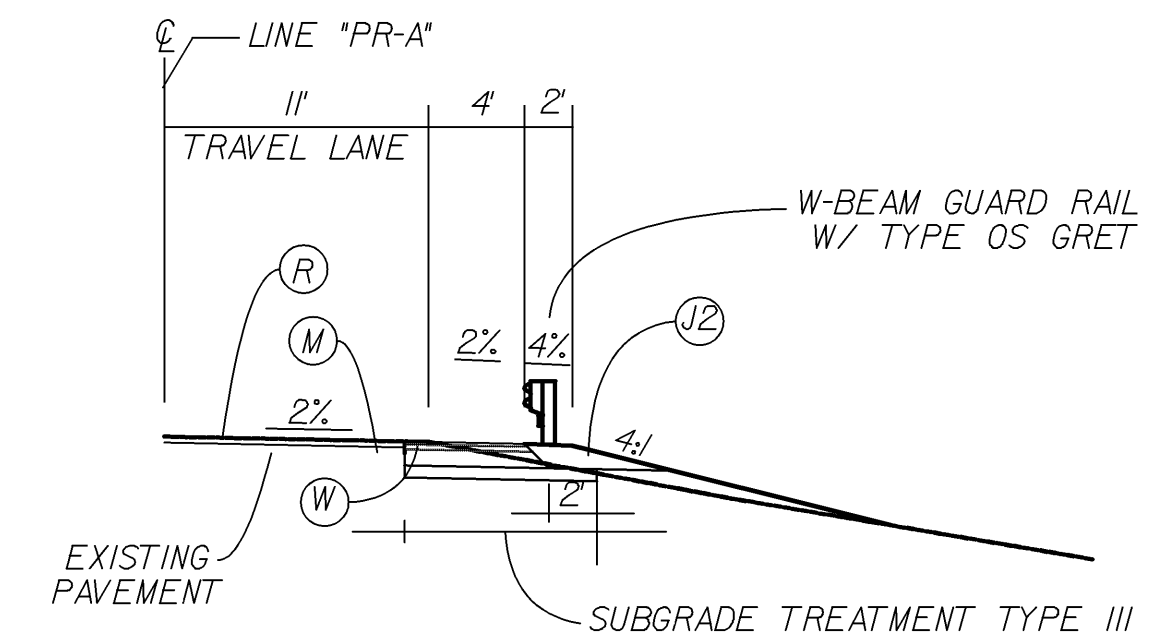


TYPICAL WIDEN & RESURFACE HALF SECTION FOR CURB & GUTTER LOCATIONS

STA. 82+93*PR-A TO STA. 86+61*PR-A, LT.
 STA. 79+93*PR-A TO STA. 87+00*PR-A, RT.
 STA. 89+93*PR-A TO STA. 96+65*PR-A, LT.
 STA. 99+50*PR-A TO STA. 102+50*PR-A, RT.
 STA. 105+93*PR-A TO STA. 109+46*PR-A, LT.
 (RIGHT SIDE REVERSED)

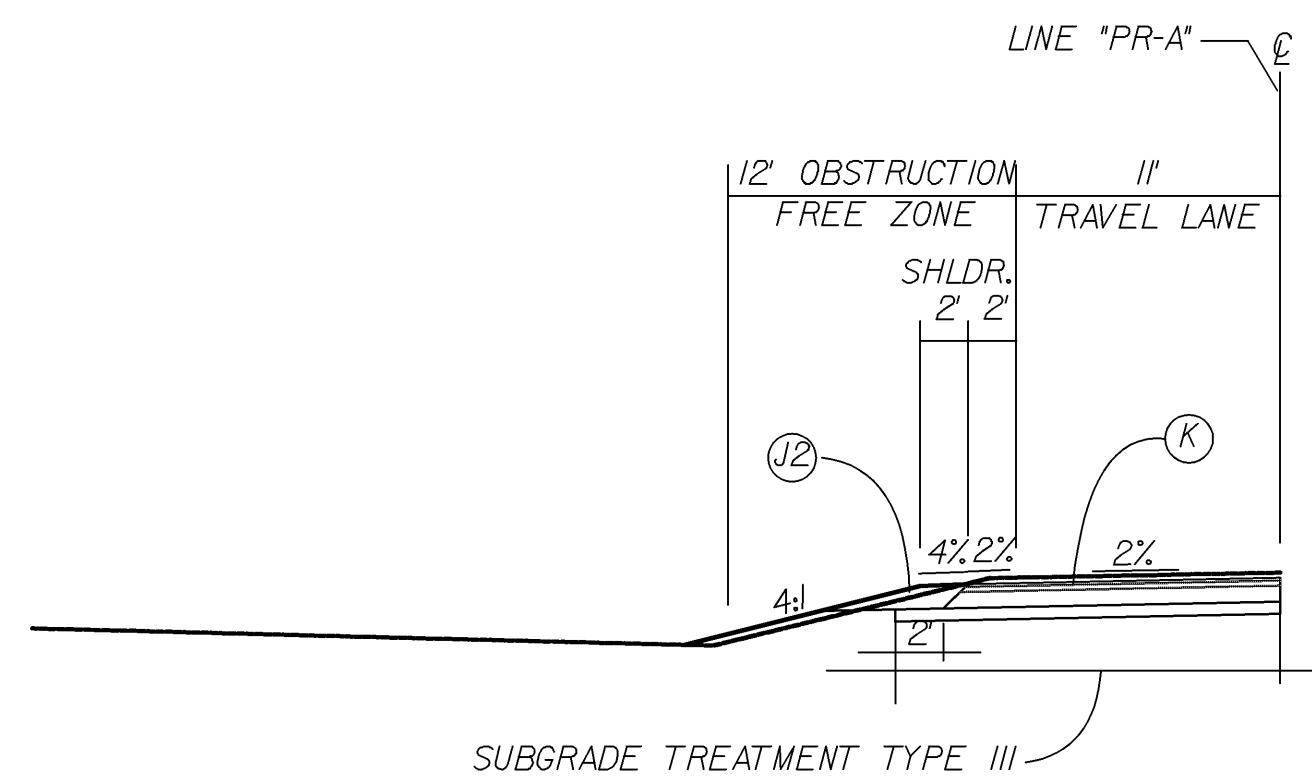


TYPICAL WIDEN & RESURFACE SECTION
 STA. 73+00*PR-A TO STA. 105+32*PR-A

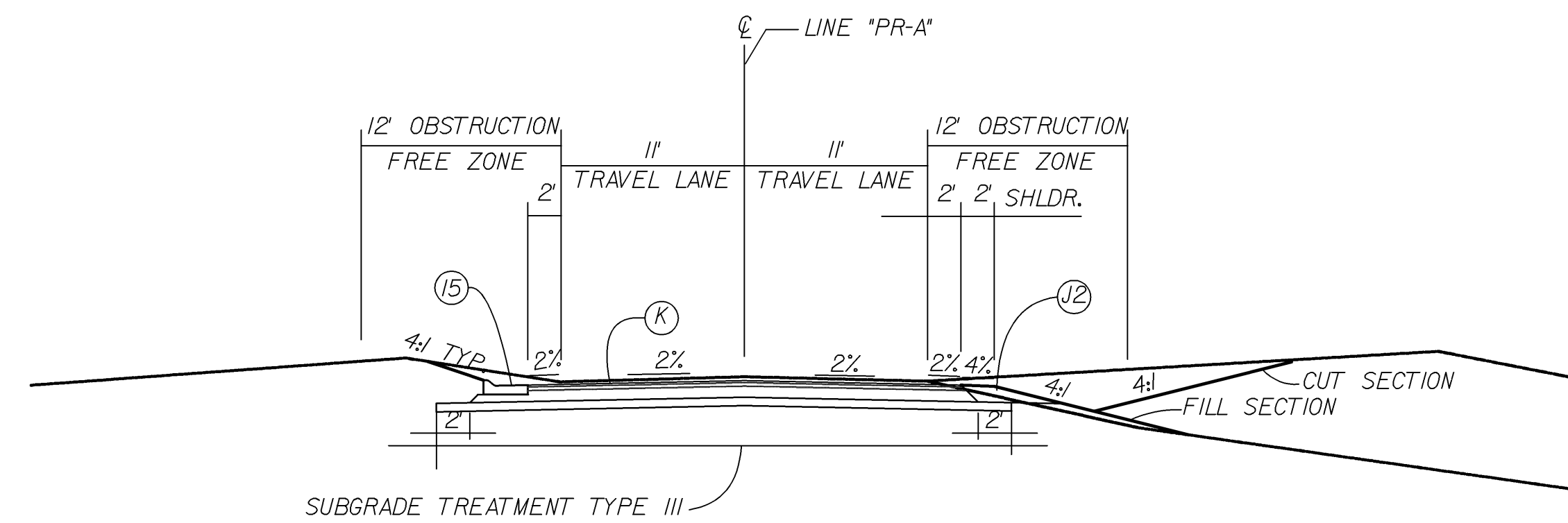


TYPICAL WIDEN & RESURFACE HALF SECTION FOR GUARDRAIL

STA. 289+46*PR-A TO STA. 293+08.5 *PR-A, RT
 (LEFT SIDE REVERSED)



TYPICAL FULL DEPTH HALF SECTION
 STA. 105+32*PR-A TO STA. 105+93*PR-A



TYPICAL FULL DEPTH SECTION
 STA. 105+32*PR-A TO STA. 109+58*PR-A

NOTES

- 1 SHOULDER WIDTH TAPERS FROM 0'-0" TO 4'-0" FROM STA.73+00.0 *PR-A RT TO 74+00.0 *PR-A RT SHOULDER WIDTH TAPERS FROM 4'-0" TO 0'-0" FROM STA.73+00.0 *PR-A RT TO 74+00.0 *PR-A LT SHOULDER WIDTH TAPERS FROM 4'-0" TO 8'-0" FROM STA.80+00.0 *PR-A RT TO 80+75.4 *PR-A RT SHOULDER WIDTH TAPERS FROM 8'-0" TO 4'-0" FROM STA.86+75.3 *PR-A RT TO 87+48.5 *PR-A RT SHOULDER WIDTH TAPERS FROM 4'-0" TO 8'-0" FROM STA.90+92.0 *PR-A RT TO 92+14.5 *PR-A RT SHOULDER WIDTH TAPERS FROM 8'-0" TO 4'-0" FROM STA.92+37.7 *PR-A RT TO 93+55.3 *PR-A RT SHOULDER WIDTH TAPERS FROM 4'-0" TO 8'-0" FROM STA.94+16.0 *PR-A RT TO 95+38.6 *PR-A RT SHOULDER WIDTH TAPERS FROM 8'-0" TO 4'-0" FROM STA.95+61.7 *PR-A RT TO 96+88.0 *PR-A RT SHOULDER WIDTH TAPERS FROM 4'-0" TO 8'-0"
- 2 EARTHEN SHOULDER WITH SODDING FROM STA. 82+55*PR-A TO STA. 82+93 LT. EXCLUDING DRIVES
- 3 OBSTRUCTION FREE ZONE IS 8' FROM STA. 51+00*PR-A TO STA. 98+20*PR-A OBSTRUCTION FREE ZONE IS 12' FROM STA. 98+20*PR-A TO STA. 295+00*PR-A
- 4 LANE WIDTH TAPERS FROM 10'-0" TO 11'-0" FROM STA. 73+00 *PR-A TO 74+00 *PR-A

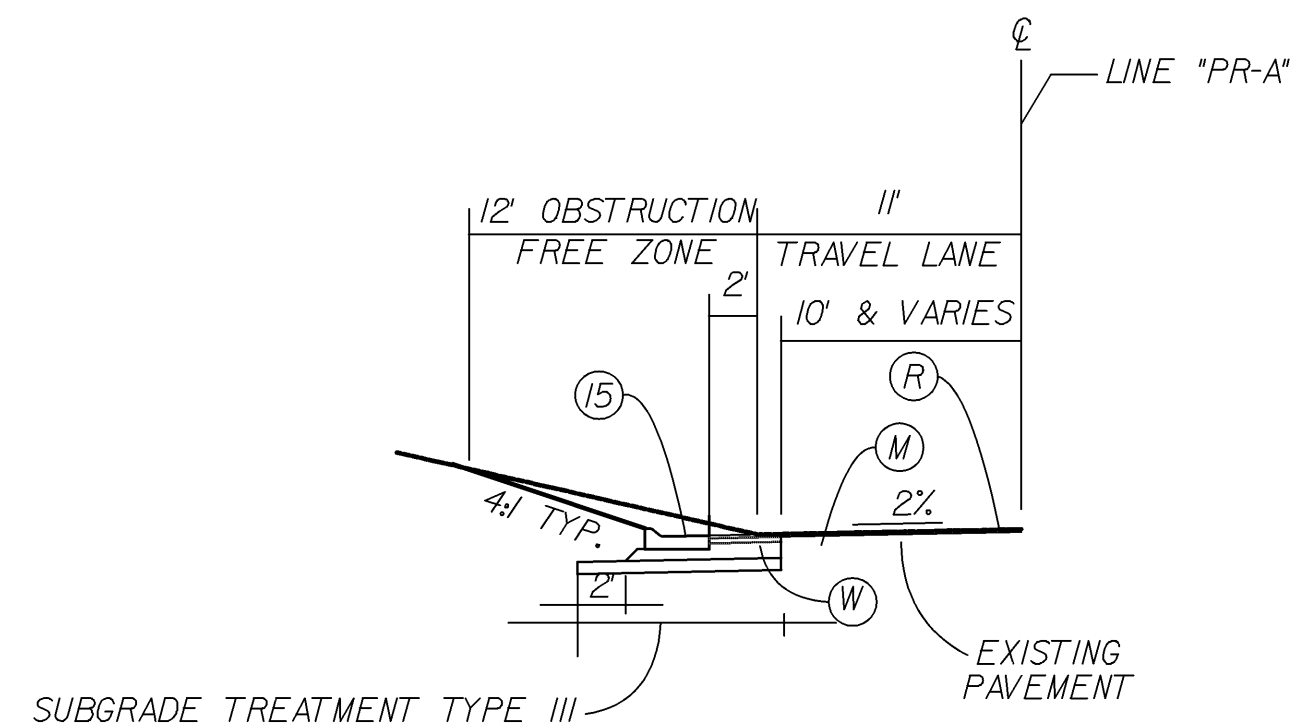
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CP	DRAWN: JS	
CHECKED: TJ	CHECKED: MP	

INDIANA
DEPARTMENT OF TRANSPORTATION

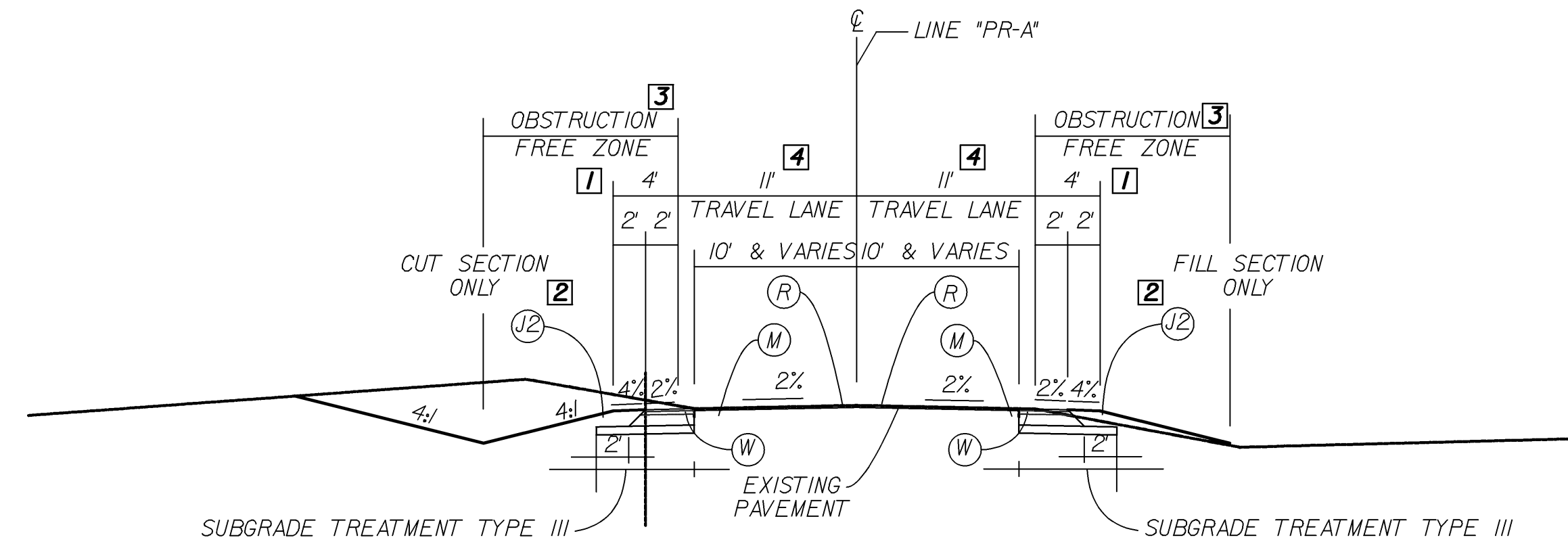
TYPICAL SECTIONS

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VERTICAL SCALE	DESIGNATION 0600165
SURVEY BOOK	DWG. NO. SHEET NO. 19 of 45
CONTRACT RS-29128	PROJECT 0600165

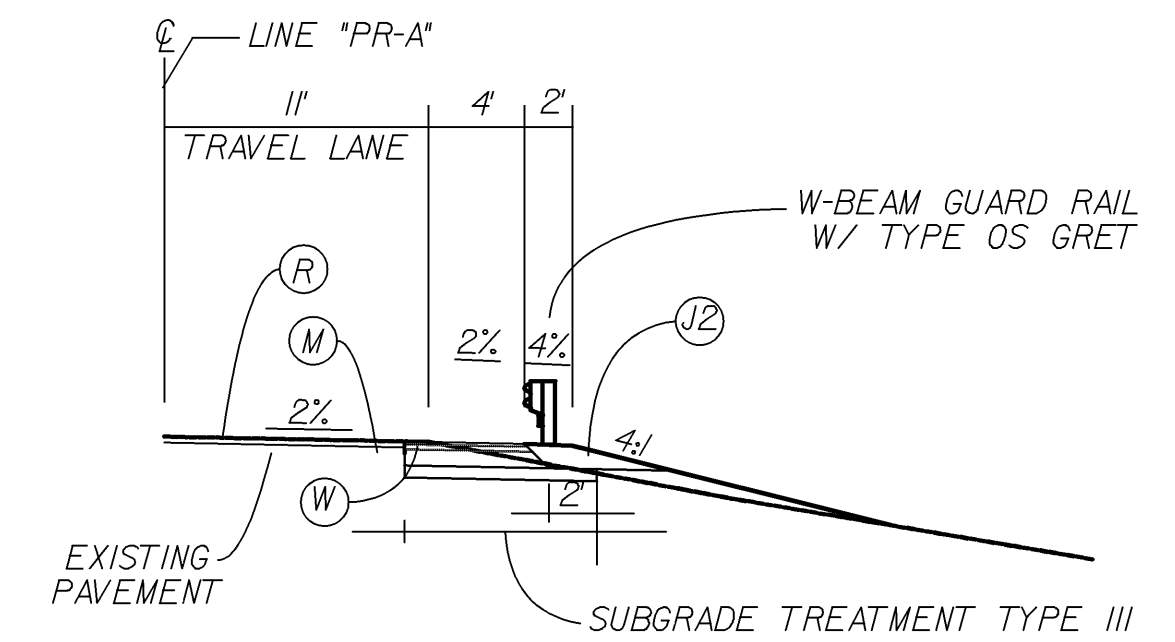


TYPICAL WIDEN & RESURFACE HALF SECTION FOR CURB & GUTTER LOCATIONS

STA. 82+93*PR-A TO STA. 86+61*PR-A, LT.
 STA. 79+93*PR-A TO STA. 87+00*PR-A, RT.
 STA. 89+93*PR-A TO STA. 96+65*PR-A, LT.
 STA. 99+50*PR-A TO STA. 102+50*PR-A, RT.
 STA. 105+93*PR-A TO STA. 109+46*PR-A, LT.
 (RIGHT SIDE REVERSED)

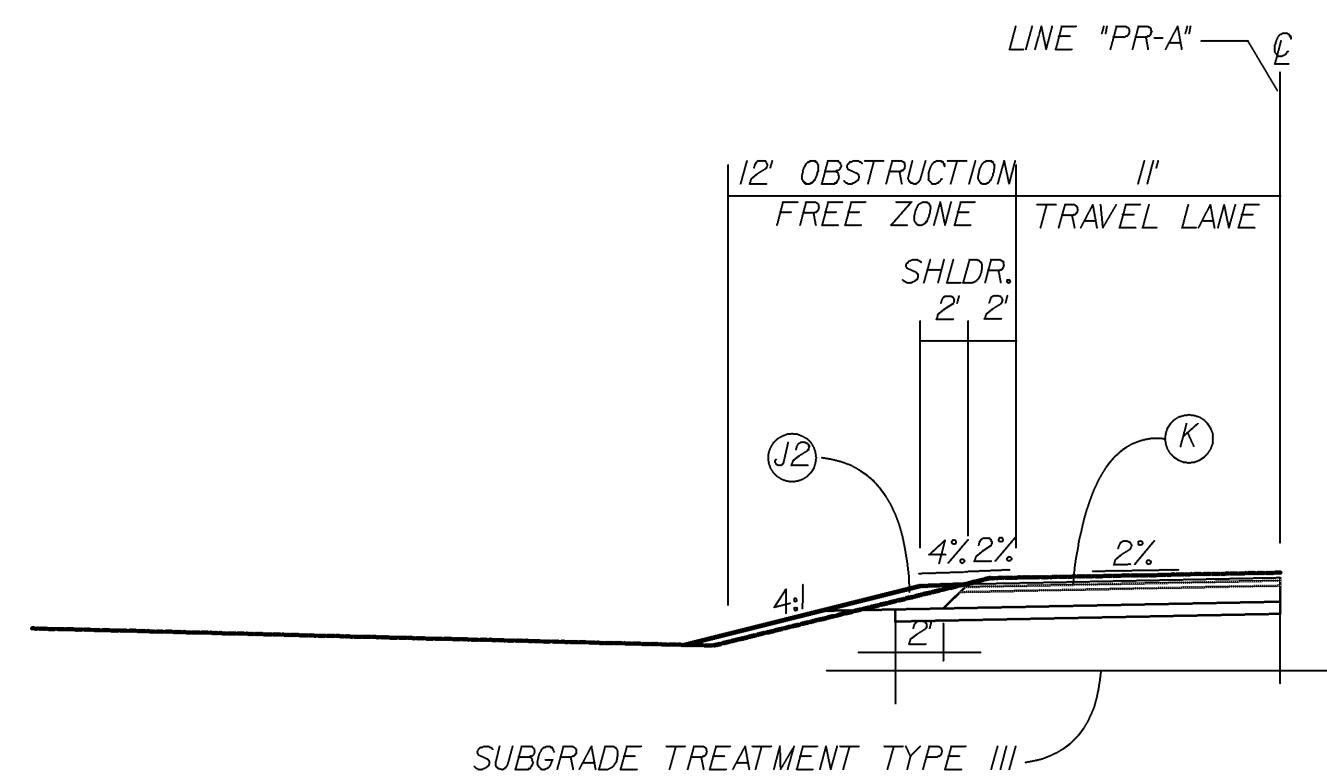


TYPICAL WIDEN & RESURFACE SECTION
 STA. 73+00*PR-A TO STA. 105+32*PR-A

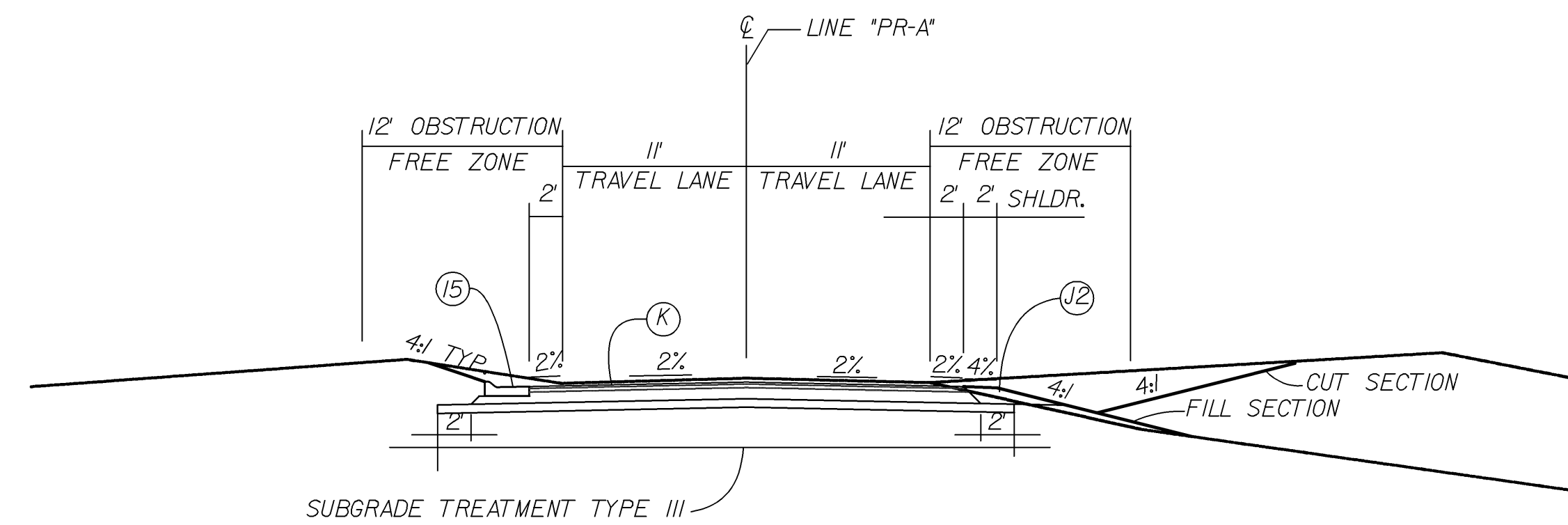


TYPICAL WIDEN & RESURFACE HALF SECTION FOR GUARDRAIL

STA. 289+46*PR-A TO STA. 293+08.5 *PR-A, RT
 (LEFT SIDE REVERSED)



TYPICAL FULL DEPTH HALF SECTION
 STA. 105+32*PR-A TO STA. 105+93*PR-A



TYPICAL FULL DEPTH SECTION
 STA. 105+32*PR-A TO STA. 109+58*PR-A

NOTES

- 1 SHOULDER WIDTH TAPERS FROM 0'-0" TO 4'-0" FROM STA.73+00.0 *PR-A RT TO 74+00.0 *PR-A RT SHOULDER WIDTH TAPERS FROM 4'-0" TO 0'-0" FROM STA.73+00.0 *PR-A RT TO 74+00.0 *PR-A LT SHOULDER WIDTH TAPERS FROM 4'-0" TO 8'-0" FROM STA.80+00.0 *PR-A RT TO 80+75.4 *PR-A RT SHOULDER WIDTH TAPERS FROM 8'-0" TO 4'-0" FROM STA.86+75.3 *PR-A RT TO 87+48.5 *PR-A RT SHOULDER WIDTH TAPERS FROM 4'-0" TO 8'-0" FROM STA.90+92.0 *PR-A RT TO 92+14.5 *PR-A RT SHOULDER WIDTH TAPERS FROM 8'-0" TO 4'-0" FROM STA.92+37.7 *PR-A RT TO 93+55.3 *PR-A RT SHOULDER WIDTH TAPERS FROM 4'-0" TO 8'-0" FROM STA.94+16.0 *PR-A RT TO 95+38.6 *PR-A RT SHOULDER WIDTH TAPERS FROM 8'-0" TO 4'-0" FROM STA.95+61.7 *PR-A RT TO 96+88.0 *PR-A RT SHOULDER WIDTH TAPERS FROM 4'-0" TO 8'-0"
- 2 EARTHEN SHOULDER WITH SODDING FROM STA. 82+55*PR-A TO STA. 82+93 LT. EXCLUDING DRIVES
- 3 OBSTRUCTION FREE ZONE IS 8' FROM STA. 51+00*PR-A TO STA. 98+20*PR-A OBSTRUCTION FREE ZONE IS 12' FROM STA. 98+20*PR-A TO STA. 295+00*PR-A
- 4 LANE WIDTH TAPERS FROM 10'-0" TO 11'-0" FROM STA. 73+00 *PR-A TO 74+00 *PR-A

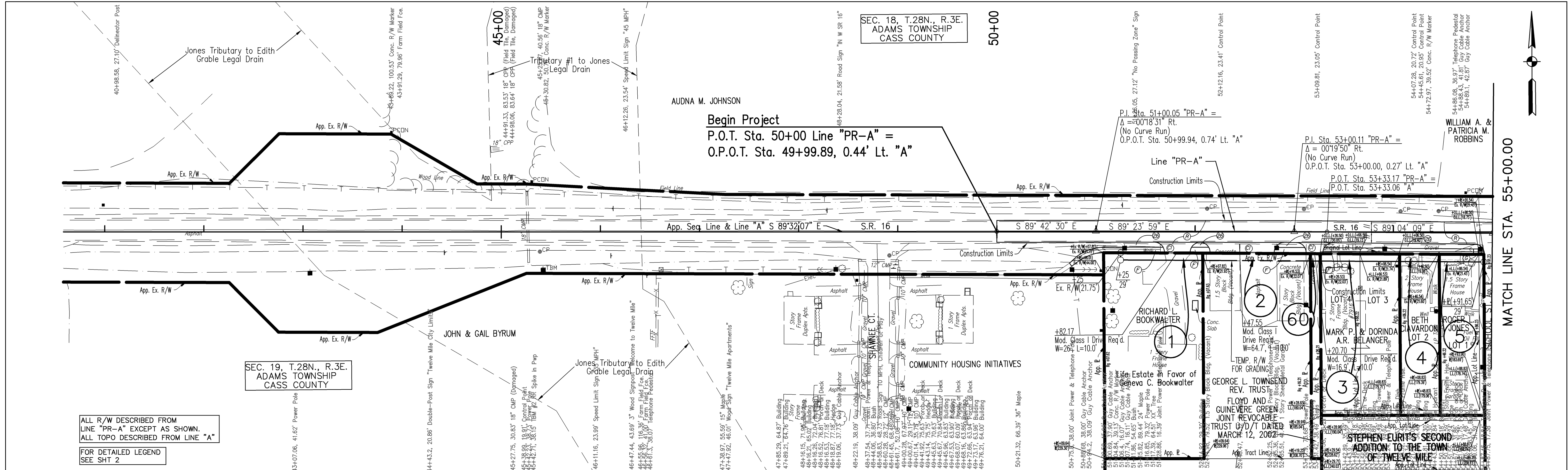
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
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CHECKED: TJ	CHECKED: MP	

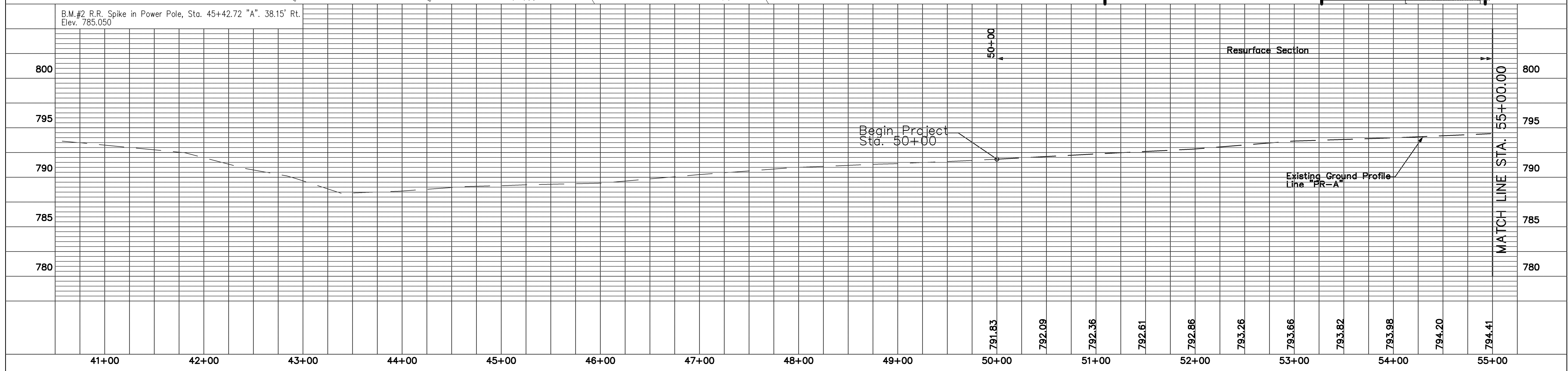
INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

HORIZONTAL SCALE 1" = 8'	BRIDGE FILE N/A
VERTICAL SCALE	DESIGNATION 0600165
SURVEY BOOK	DWG. NO. SHEET NO. 20 of 45
CONTRACT RS-29128	PROJECT 0600165

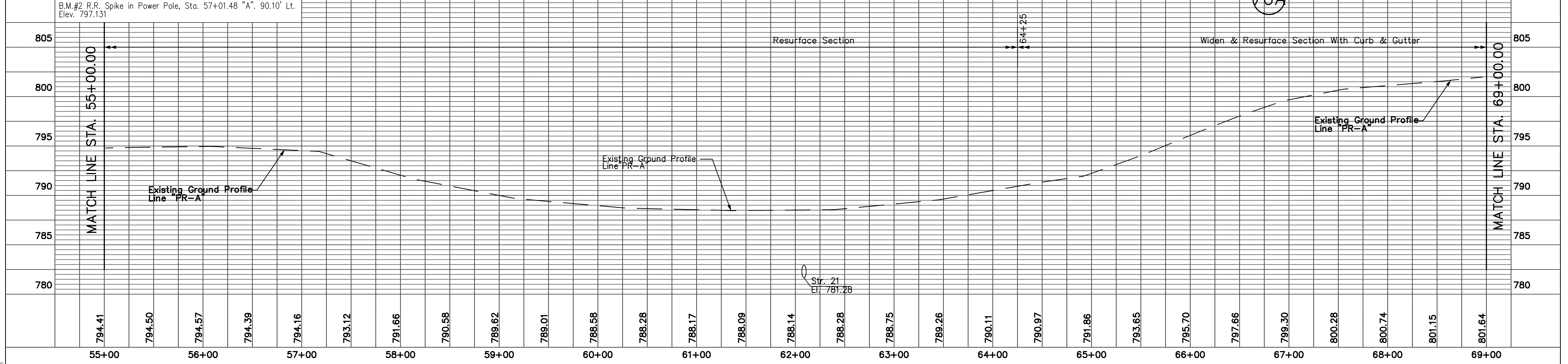
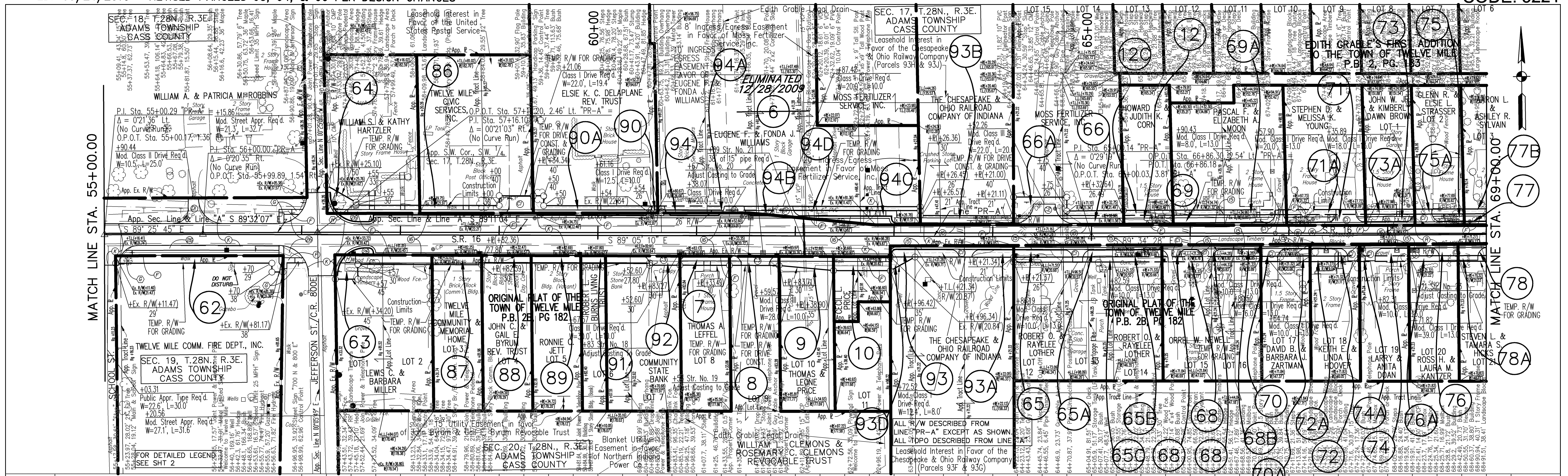


ALL R/W DESCRIBED FROM LINE "PR-A" EXCEPT AS SHOWN.
ALL TOPO DESCRIBED FROM LINE "A"
FOR DETAILED LEGEND SEE SHT 2



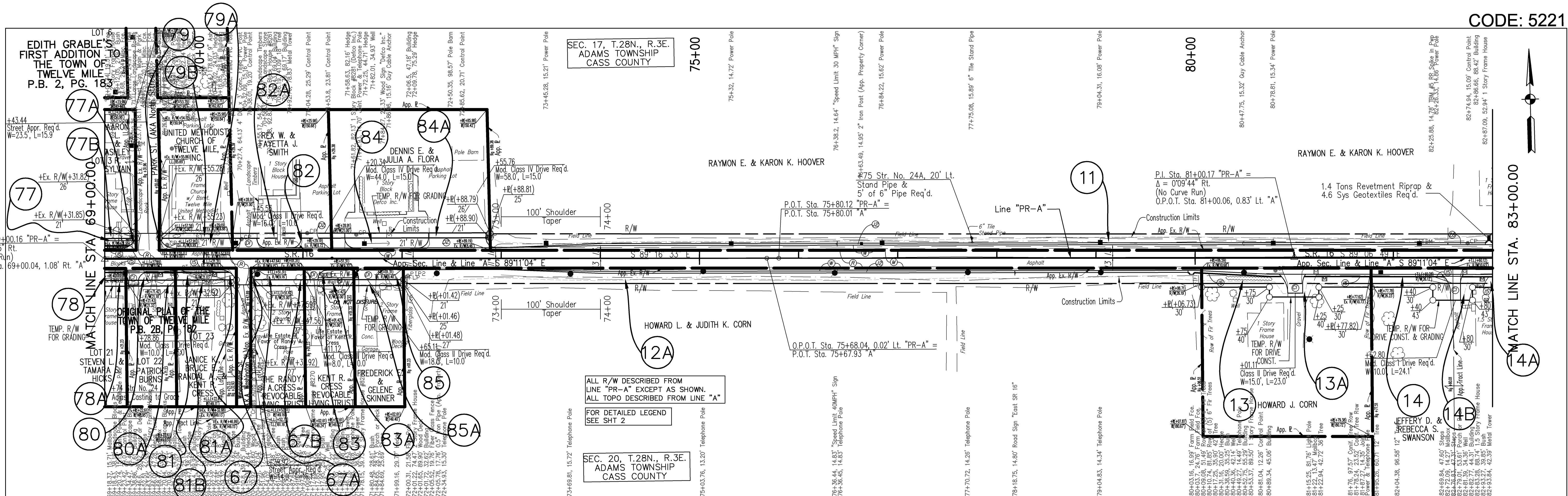
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DESIGNED: CP		DRAWN: JP				PLAN & PROFILE SHEET		SURVEY BOOK		DWG. NO.	
CHECKED: MP		CHECKED: MP				LINE "PR-A"		RS-29128		SHEET NO. 21 of 45	
								CONTRACT		PROJECT	
								RS-29128		0600165	

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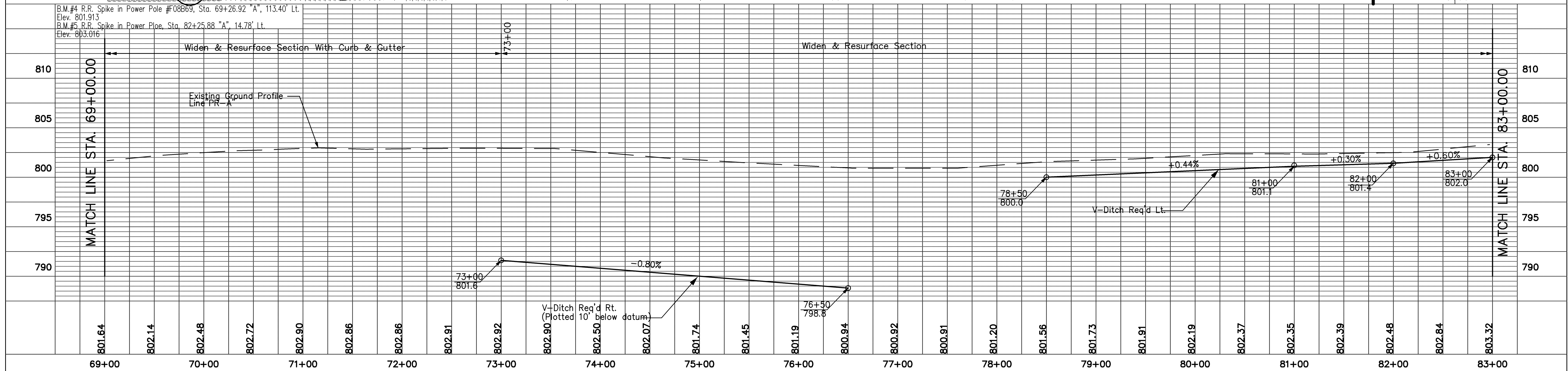


RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED:	CP	DRAWN:	JP		
CHECKED:	MP	CHECKED:	MP		
INDIANA DEPARTMENT OF TRANSPORTATION				HORIZONTAL SCALE 1" = 50'	
PLAN & PROFILE SHEET				VERTICAL SCALE 1" = 5'	
LINE "PR-A"				BRIDGE FILE N/A	
CONTRACT RS-29128		DWG. NO. 22 of 45		DESIGNATION 0600165	
		SHEET NO. 22 of 45		PROJECT 0600165	

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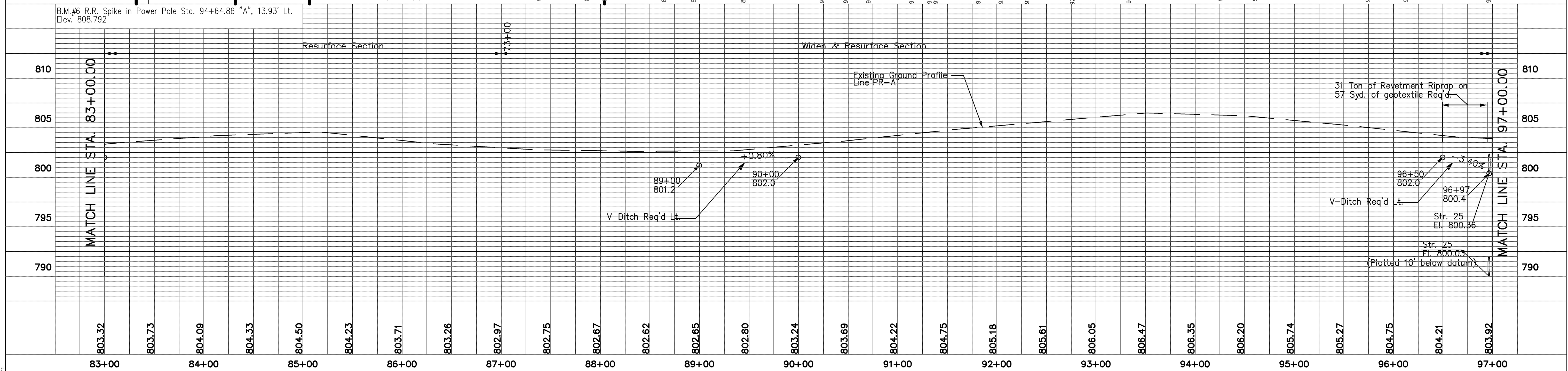
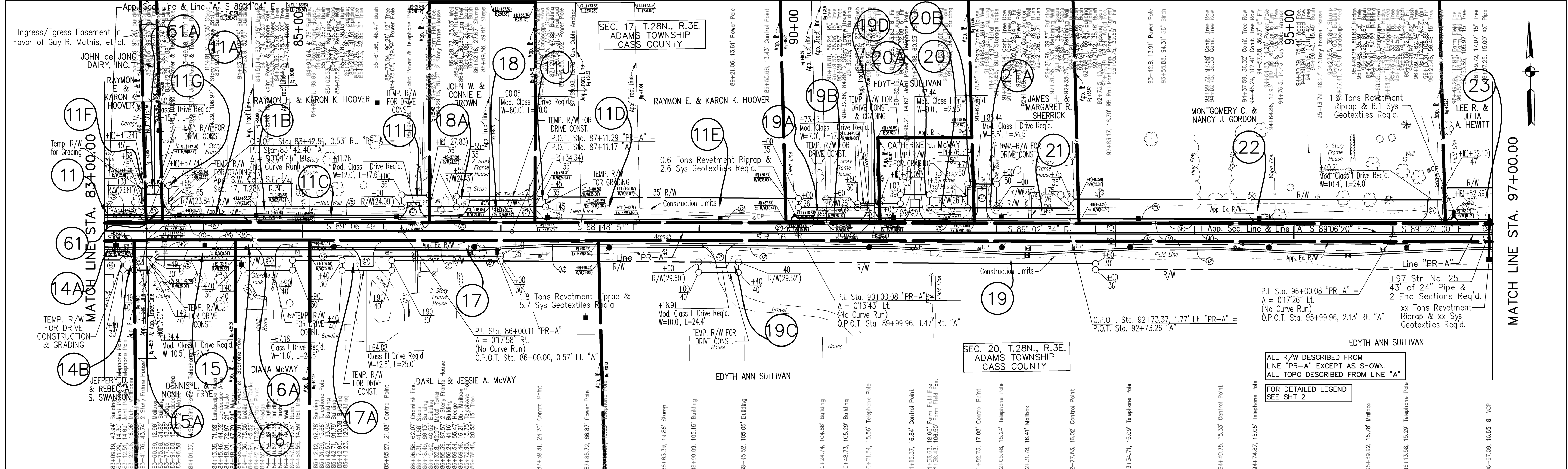
ALL R/W DESCRIBED FROM LINE "PR-A" EXCEPT AS SHOWN. ALL TOPO DESCRIBED FROM LINE "A"
 FOR DETAILED LEGEND SEE SHIT 2
 SEC. 20, T.28N., R.3E. ADAMS TOWNSHIP CASS COUNTY



RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION PLAN & PROFILE SHEET LINE "PR-A"	HORIZONTAL SCALE 1" = 50' VERTICAL SCALE 1" = 5' SURVEY BOOK _____ DWG. NO. _____ SHEET NO. 23 of 45	
DESIGNED: CP DRAWN: JP CHECKED: MP CHECKED: MP			CONTRACT RS-29128 PROJECT 0600165	
B.M.#4 R.R. Spike in Power Pole #08869, Sta. 69+26.92 "A", 113.40' Lt. Elev. 801.913 B.M.#5 R.R. Spike in Power Pole, Sta. 82+25.88 "A", 14.78' Lt. Elev. 803.016				

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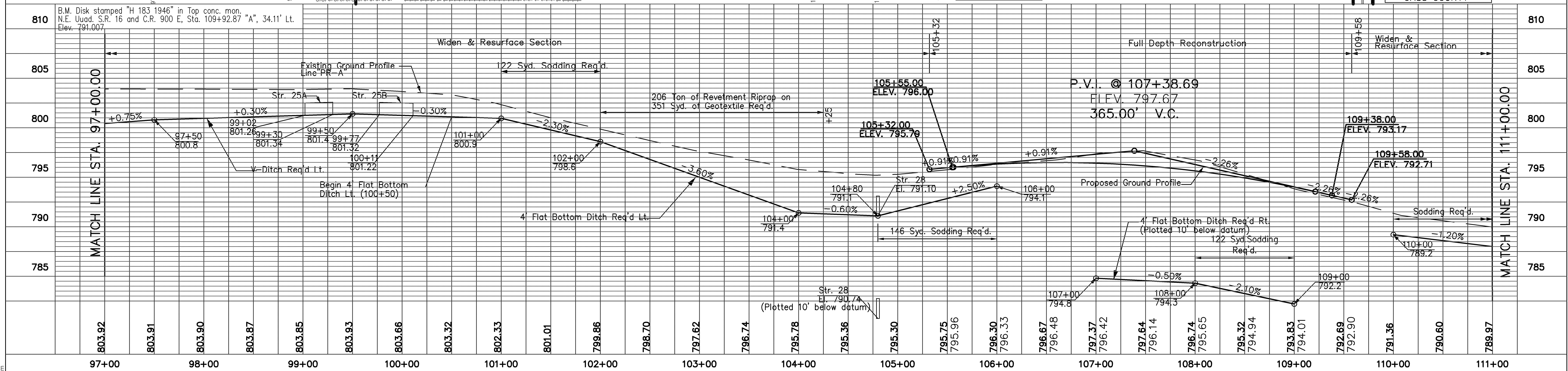
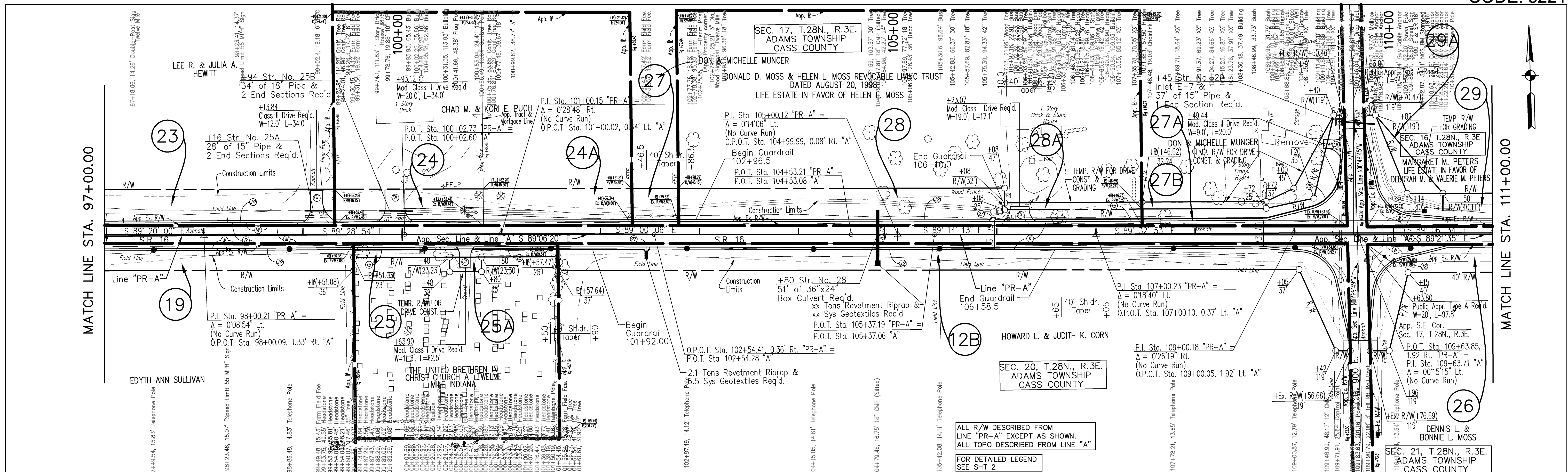
Lease in Favor of Providence Dairy, LLC. (Parcel 61B)



83+00	83+03.32	83+07.3	83+10.9	83+14.33	83+17.5	83+20.7	83+23.9	83+27.1	83+30.3	83+33.5	83+36.7	83+39.9	83+43.1	83+46.3	83+49.5	83+52.7	83+55.9	83+59.1	83+62.3	83+65.5	83+68.7	83+71.9	83+75.1	83+78.3	83+81.5	83+84.7	83+87.9	83+91.1	83+94.3	83+97.5	84+00.7	84+04.1	84+07.5	84+10.9	84+14.3	84+17.7	84+21.1	84+24.5	84+27.9	84+31.3	84+34.7	84+38.1	84+41.5	84+44.9	84+48.3	84+51.7	84+55.1	84+58.5	84+61.9	84+65.3	84+68.7	84+72.1	84+75.5	84+78.9	84+82.3	84+85.7	84+89.1	84+92.5	84+95.9	84+99.3	85+02.7	85+06.1	85+09.5	85+12.9	85+16.3	85+19.7	85+23.1	85+26.5	85+29.9	85+33.3	85+36.7	85+40.1	85+43.5	85+46.9	85+50.3	85+53.7	85+57.1	85+60.5	85+63.9	85+67.3	85+70.7	85+74.1	85+77.5	85+80.9	85+84.3	85+87.7	85+91.1	85+94.5	85+97.9	86+01.3	86+04.7	86+08.1	86+11.5	86+14.9	86+18.3	86+21.7	86+25.1	86+28.5	86+31.9	86+35.3	86+38.7	86+42.1	86+45.5	86+48.9	86+52.3	86+55.7	86+59.1	86+62.5	86+65.9	86+69.3	86+72.7	86+76.1	86+79.5	86+82.9	86+86.3	86+89.7	86+93.1	86+96.5	86+99.9	87+03.3	87+06.7	87+10.1	87+13.5	87+16.9	87+20.3	87+23.7	87+27.1	87+30.5	87+33.9	87+37.3	87+40.7	87+44.1	87+47.5	87+50.9	87+54.3	87+57.7	87+61.1	87+64.5	87+67.9	87+71.3	87+74.7	87+78.1	87+81.5	87+84.9	87+88.3	87+91.7	87+95.1	87+98.5	88+01.9	88+05.3	88+08.7	88+12.1	88+15.5	88+18.9	88+22.3	88+25.7	88+29.1	88+32.5	88+35.9	88+39.3	88+42.7	88+46.1	88+49.5	88+52.9	88+56.3	88+59.7	88+63.1	88+66.5	88+69.9	88+73.3	88+76.7	88+80.1	88+83.5	88+86.9	88+90.3	88+93.7	88+97.1	89+00.5	89+03.9	89+07.3	89+10.7	89+14.1	89+17.5	89+20.9	89+24.3	89+27.7	89+31.1	89+34.5	89+37.9	89+41.3	89+44.7	89+48.1	89+51.5	89+54.9	89+58.3	89+61.7	89+65.1	89+68.5	89+71.9	89+75.3	89+78.7	89+82.1	89+85.5	89+88.9	89+92.3	89+95.7	89+99.1	90+02.5	90+05.9	90+09.3	90+12.7	90+16.1	90+19.5	90+22.9	90+26.3	90+29.7	90+33.1	90+36.5	90+39.9	90+43.3	90+46.7	90+50.1	90+53.5	90+56.9	90+60.3	90+63.7	90+67.1	90+70.5	90+73.9	90+77.3	90+80.7	90+84.1	90+87.5	90+90.9	90+94.3	90+97.7	91+01.1	91+04.5	91+07.9	91+11.3	91+14.7	91+18.1	91+21.5	91+24.9	91+28.3	91+31.7	91+35.1	91+38.5	91+41.9	91+45.3	91+48.7	91+52.1	91+55.5	91+58.9	91+62.3	91+65.7	91+69.1	91+72.5	91+75.9	91+79.3	91+82.7	91+86.1	91+89.5	91+92.9	91+96.3	91+99.7	92+03.1	92+06.5	92+09.9	92+13.3	92+16.7	92+20.1	92+23.5	92+26.9	92+30.3	92+33.7	92+37.1	92+40.5	92+43.9	92+47.3	92+50.7	92+54.1	92+57.5	92+60.9	92+64.3	92+67.7	92+71.1	92+74.5	92+77.9	92+81.3	92+84.7	92+88.1	92+91.5	92+94.9	92+98.3	93+01.7	93+05.1	93+08.5	93+11.9	93+15.3	93+18.7	93+22.1	93+25.5	93+28.9	93+32.3	93+35.7	93+39.1	93+42.5	93+45.9	93+49.3	93+52.7	93+56.1	93+59.5	93+62.9	93+66.3	93+69.7	93+73.1	93+76.5	93+79.9	93+83.3	93+86.7	93+90.1	93+93.5	93+96.9	93+100.3	94+03.7	94+07.1	94+10.5	94+13.9	94+17.3	94+20.7	94+24.1	94+27.5	94+30.9	94+34.3	94+37.7	94+41.1	94+44.5	94+47.9	94+51.3	94+54.7	94+58.1	94+61.5	94+64.9	94+68.3	94+71.7	94+75.1	94+78.5	94+81.9	94+85.3	94+88.7	94+92.1	94+95.5	94+98.9	95+02.3	95+05.7	95+09.1	95+12.5	95+15.9	95+19.3	95+22.7	95+26.1	95+29.5	95+32.9	95+36.3	95+39.7	95+43.1	95+46.5	95+49.9	95+53.3	95+56.7	95+60.1	95+63.5	95+66.9	95+70.3	95+73.7	95+77.1	95+80.5	95+83.9	95+87.3	95+90.7	95+94.1	95+97.5	96+00.9	96+04.3	96+07.7	96+11.1	96+14.5	96+17.9	96+21.3	96+24.7	96+28.1	96+31.5	96+34.9	96+38.3	96+41.7	96+45.1	96+48.5	96+51.9	96+55.3	96+58.7	96+62.1	96+65.5	96+68.9	96+72.3	96+75.7	96+79.1	96+82.5	96+85.9	96+89.3	96+92.7	96+96.1	96+99.5	97+02.9	97+06.3	97+09.7	97+13.1	97+16.5	97+19.9	97+23.3	97+26.7	97+30.1	97+33.5	97+36.9	97+40.3	97+43.7	97+47.1	97+50.5	97+53.9	97+57.3	97+60.7	97+64.1	97+67.5	97+70.9	97+74.3	97+77.7	97+81.1	97+84.5	97+87.9	97+91.3	97+94.7	97+98.1	98+01.5	98+04.9	98+08.3	98+11.7	98+15.1	98+18.5	98+21.9	98+25.3	98+28.7	98+32.1	98+35.5	98+38.9	98+42.3	98+45.7	98+49.1	98+52.5	98+55.9	98+59.3	98+62.7	98+66.1	98+69.5	98+72.9	98+76.3	98+79.7	98+83.1	98+86.5	98+89.9	98+93.3	98+96.7	98+100.1
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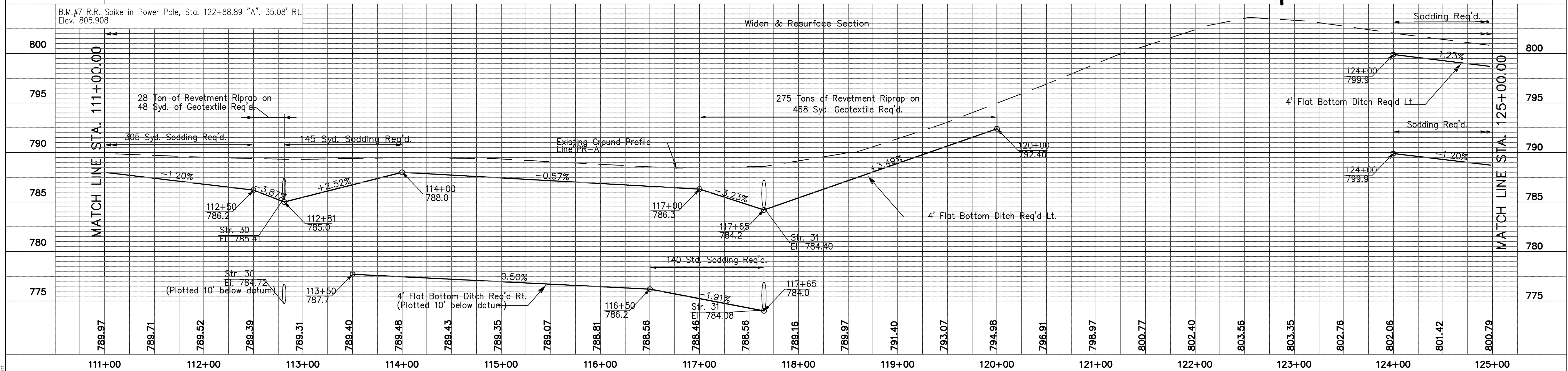
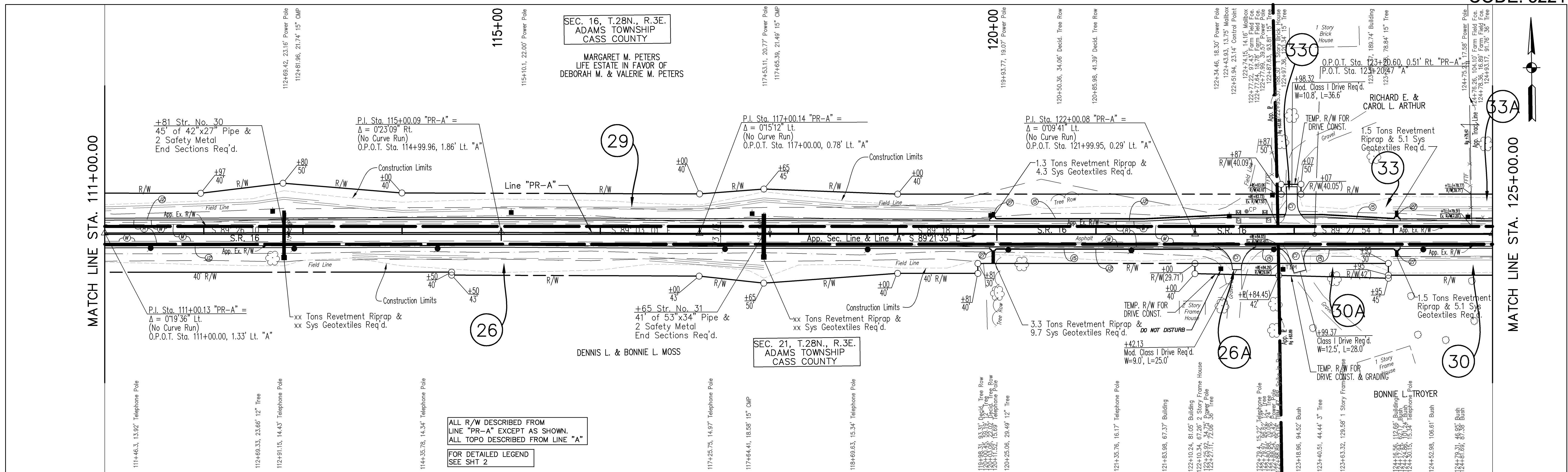
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CHECKED: MP	CHECKED: MP			VERTICAL SCALE	DESIGNATION
			PLAN & PROFILE SHEET	1" = 5'	0600165
			LINE "PR-A"	SURVEY BOOK	DWG. NO. SHEET NO.
				RS-29128	24 of 45
				PROJECT	0600165

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 DATE:07/2010 - 12:51pm



RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED:	CP	DRAWN:	JP		
CHECKED:	MP	CHECKED:	MP		
INDIANA DEPARTMENT OF TRANSPORTATION				HORIZONTAL SCALE	BRIDGE FILE
				VERTICAL SCALE	DESIGNATION
PLAN & PROFILE SHEET LINE "PR-A"				SURVEY BOOK	DWG. NO.
				CONTRACT	PROJECT

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 DATE...07/20/10 - 12:50pm



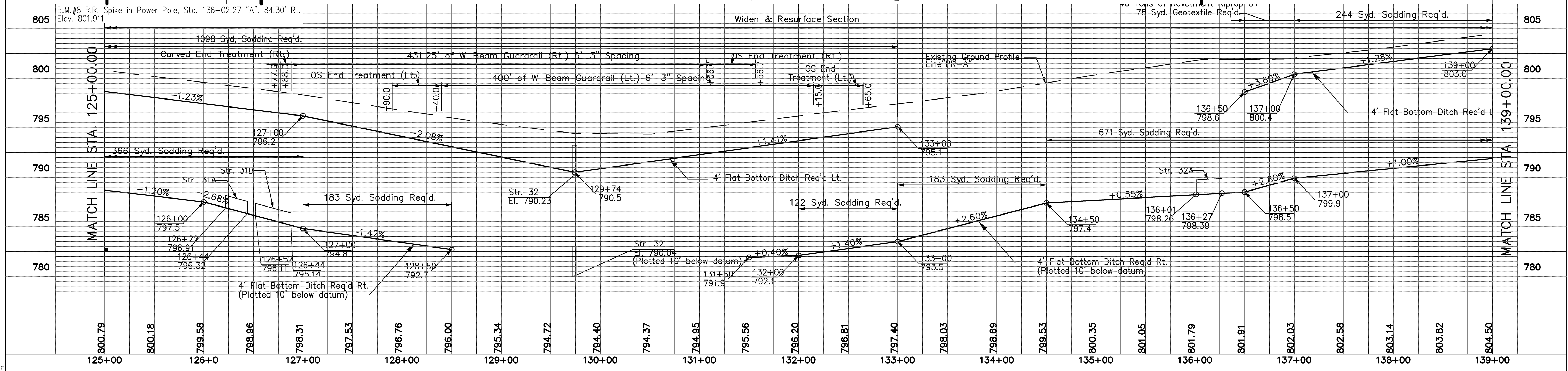
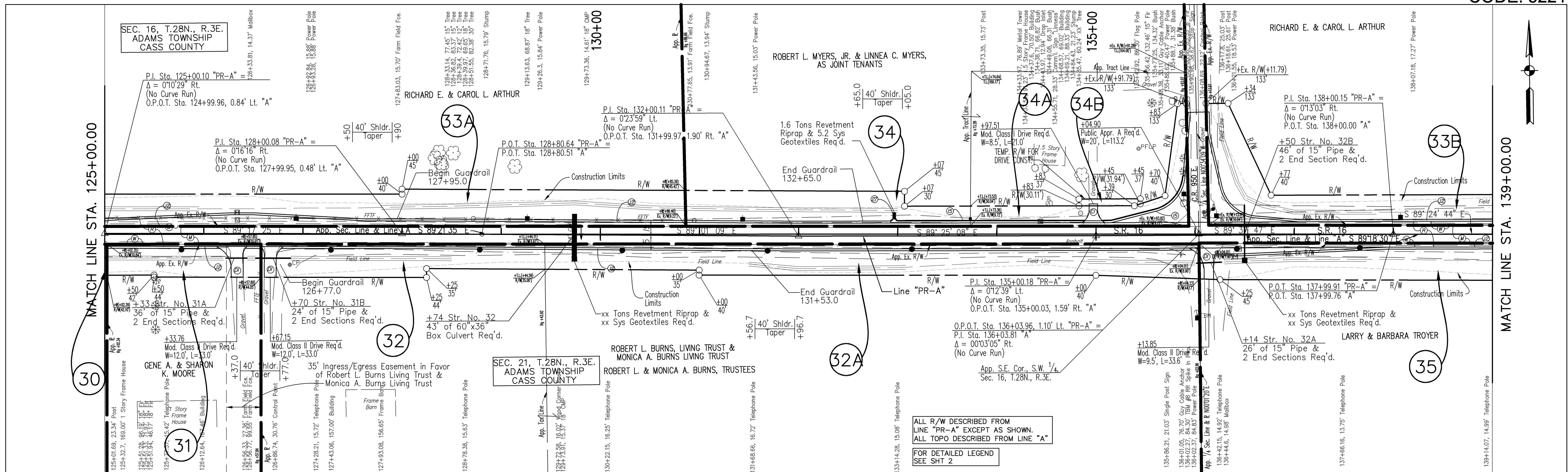
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CP	DRAWN: JP	
CHECKED: MP	CHECKED: MP	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE SHEET
LINE "PR-A"

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 0600165
SURVEY BOOK	DWG. NO. SHEET NO. 26 of 45
CONTRACT RS-29128	PROJECT 0600165

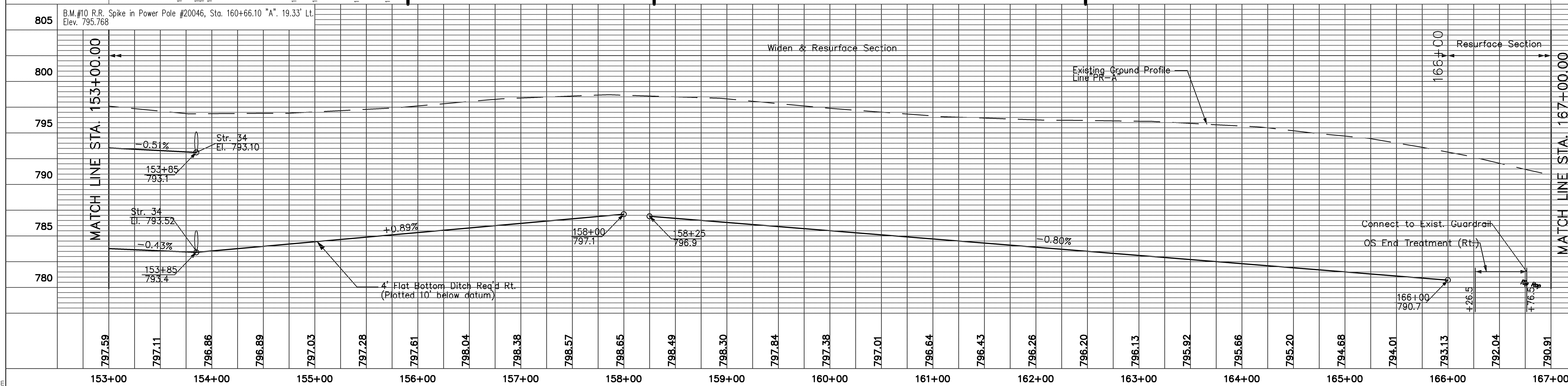
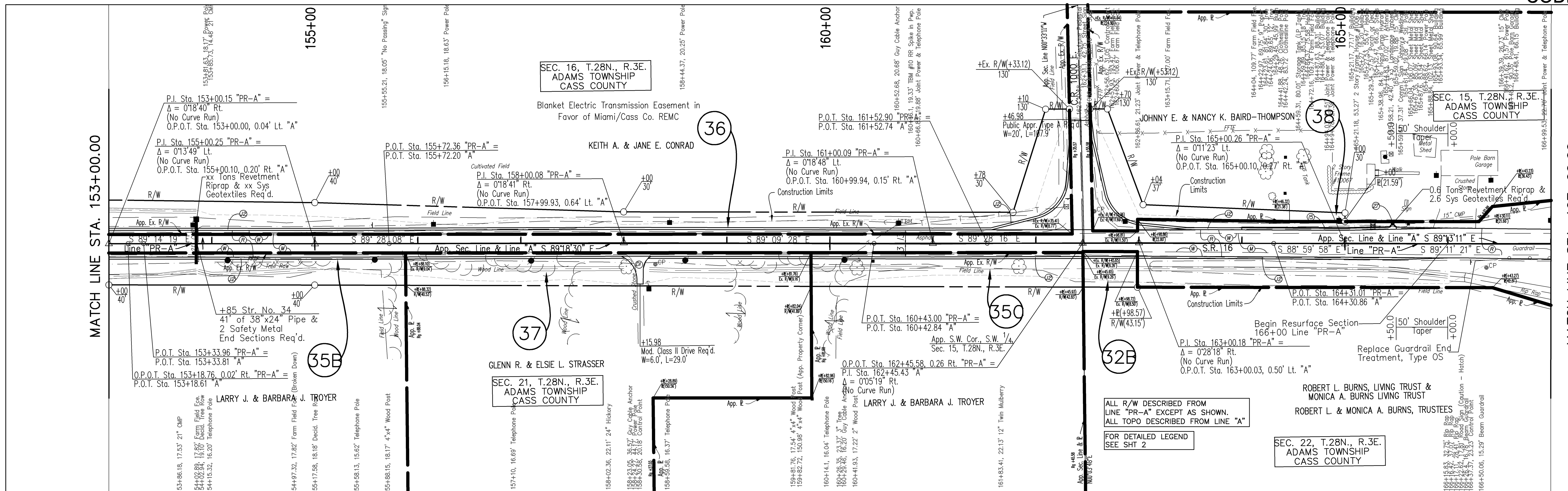


RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED:	CP	DRAWN:	JP		
CHECKED:	MP	CHECKED:	MP		

INDIANA DEPARTMENT OF TRANSPORTATION	
PLAN & PROFILE SHEET	LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	0600165
SURVEY BOOK	DWG. NO.
	27 of 45
CONTRACT	PROJECT
RS-29128	0600165

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 DATE: ... 07/2010 - 12:48pm



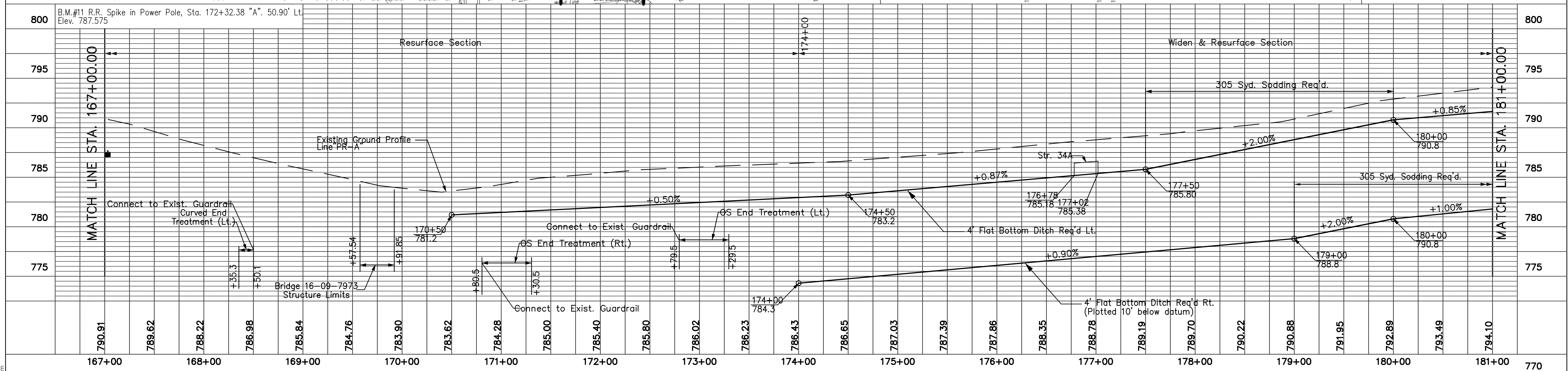
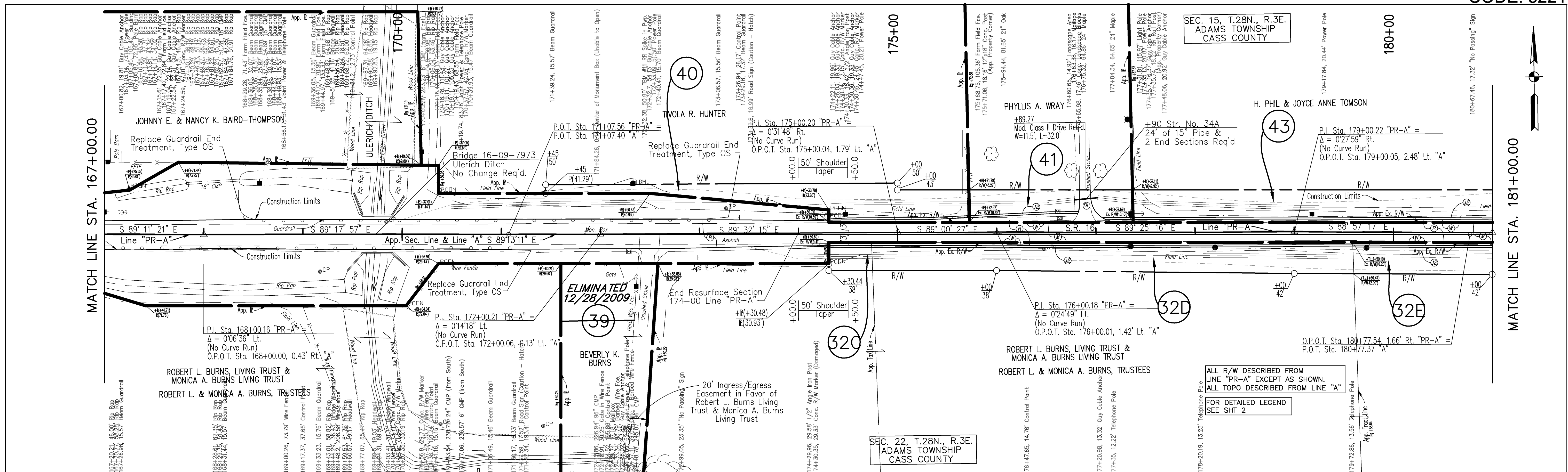
797.59	797.11	796.86	796.89	797.03	797.28	797.61	798.04	798.38	798.57	798.65	798.49	798.30	797.84	797.38	797.01	796.64	796.43	796.26	796.20	796.13	795.92	795.66	795.20	794.68	794.01	793.13	792.04	790.91
153+00	154+00	155+00	156+00	157+00	158+00	159+00	160+00	161+00	162+00	163+00	164+00	165+00	166+00	167+00														

RECOMMENDED FOR APPROVAL _____
 DESIGN ENGINEER DATE
 DESIGNED: CP DRAWN: JP
 CHECKED: MP CHECKED: MP

INDIANA DEPARTMENT OF TRANSPORTATION
 PLAN & PROFILE SHEET
 LINE "PR-A"

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 0600165
SURVEY BOOK	DWG. NO. SHEET NO. 29 of 45
CONTRACT RS-29128	PROJECT 0600165

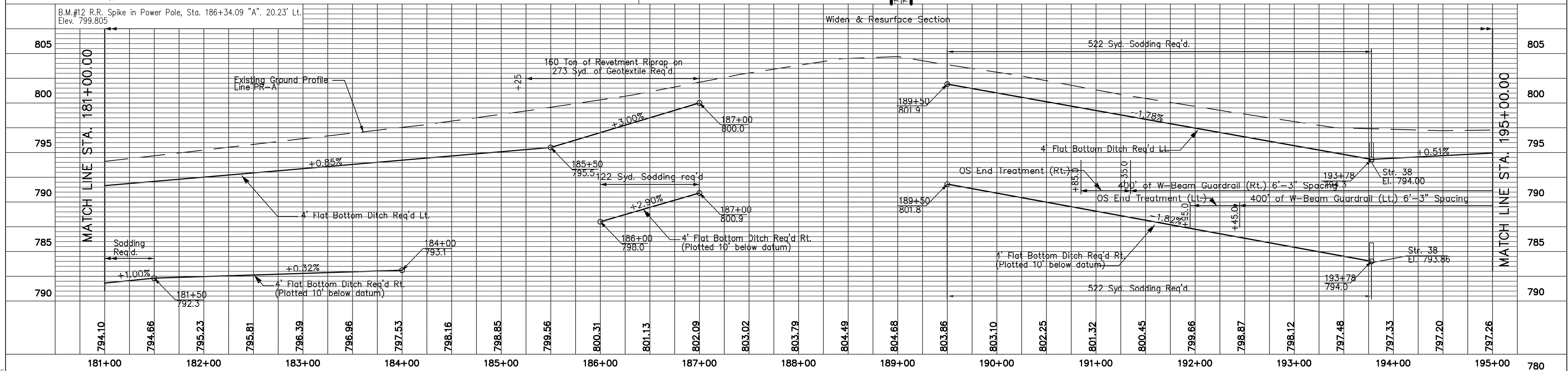
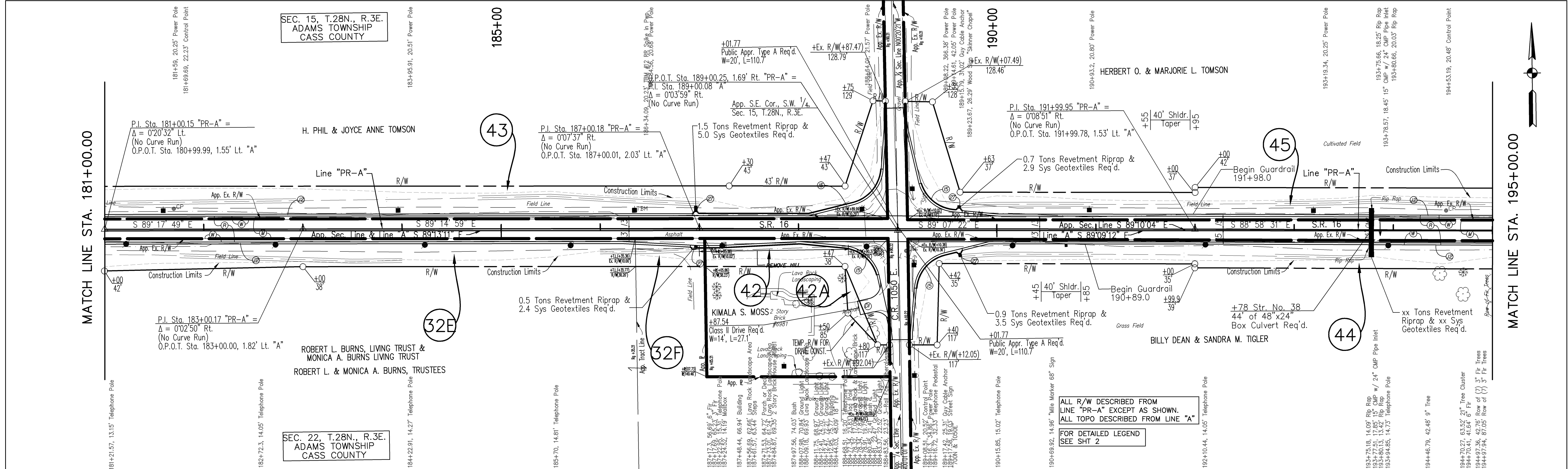
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 PLOTTED BY: csw DATE: 07/20/10 12:47pm



790.91	789.62	788.22	786.98	785.84	784.76	783.90	783.62	784.28	785.00	785.40	785.80	786.02	786.23	786.43	786.65	787.03	787.39	787.86	788.35	788.78	789.19	789.70	790.22	790.88	791.95	792.89	793.49	794.10
167+00	168+00	169+00	170+00	171+00	172+00	173+00	174+00	175+00	176+00	177+00	178+00	179+00	180+00	181+00	770													

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
DESIGNED: CP	DRAWN: JP			VERTICAL SCALE 1" = 5'	DESIGNATION 0600165
CHECKED: MP	CHECKED: MP			SURVEY BOOK	DWG. NO. 30 of 45
			PLAN & PROFILE SHEET LINE "PR-A"	CONTRACT RS-29128	PROJECT 0600165

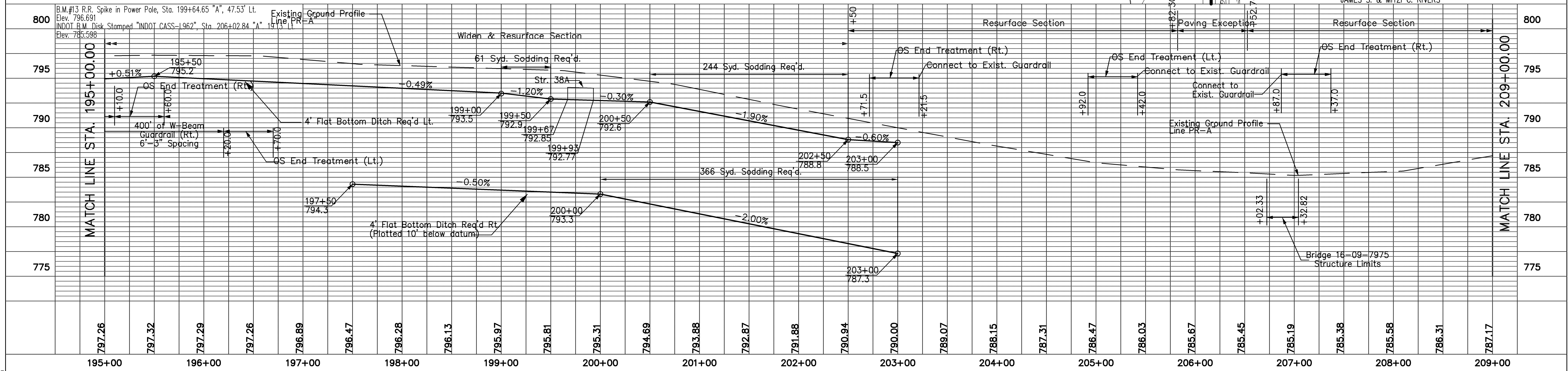
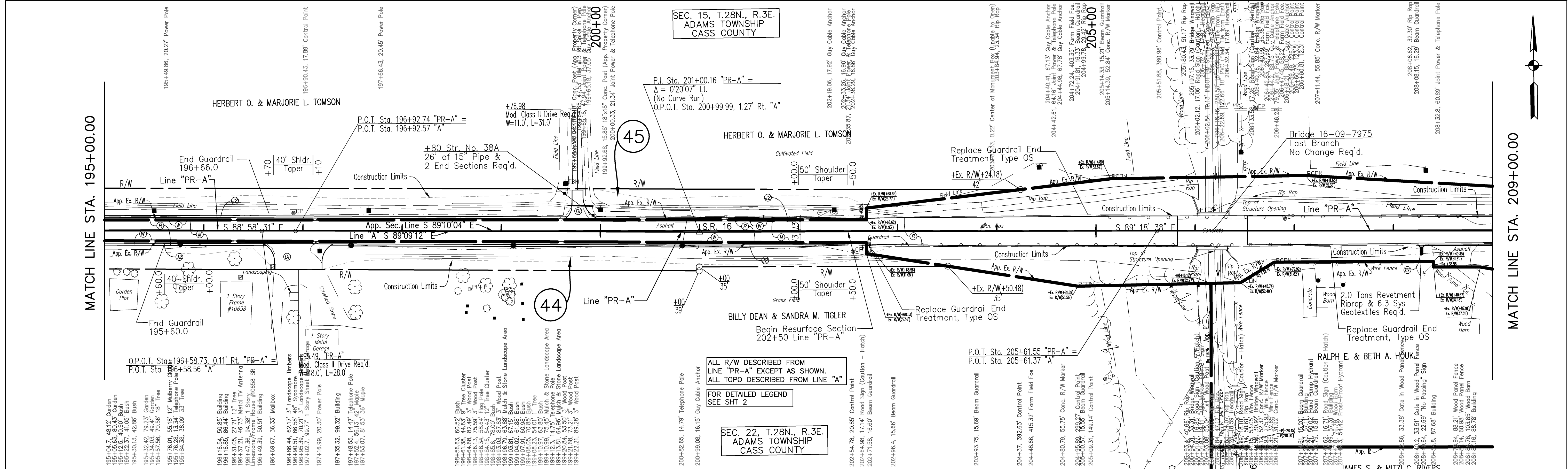
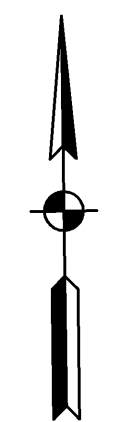
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 PLOTTED BY: ... DATE: 07/20/10 - 12:53pm



181+00	182+00	183+00	184+00	185+00	186+00	187+00	188+00	189+00	190+00	191+00	192+00	193+00	194+00	195+00	780
794.10	794.66	795.23	795.81	796.39	796.96	797.53	798.16	798.85	799.56	800.31	801.13	802.09	803.02	803.79	804.49
794.10	794.66	795.23	795.81	796.39	796.96	797.53	798.16	798.85	799.56	800.31	801.13	802.09	803.02	803.79	804.49

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
DESIGNED: CP	DRAWN: JP			1" = 50'	N/A
CHECKED: MP	CHECKED: MP			VERTICAL SCALE	DESIGNATION
			PLAN & PROFILE SHEET	1" = 5'	0600165
			LINE "PR-A"	SURVEY BOOK	DWG. NO.
				RS-29128	31 of 45
				PROJECT	SHEET NO.
				0600165	0600165

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 PLOTTED BY: caw
 DATE: 07/20/10 - 1:02pm

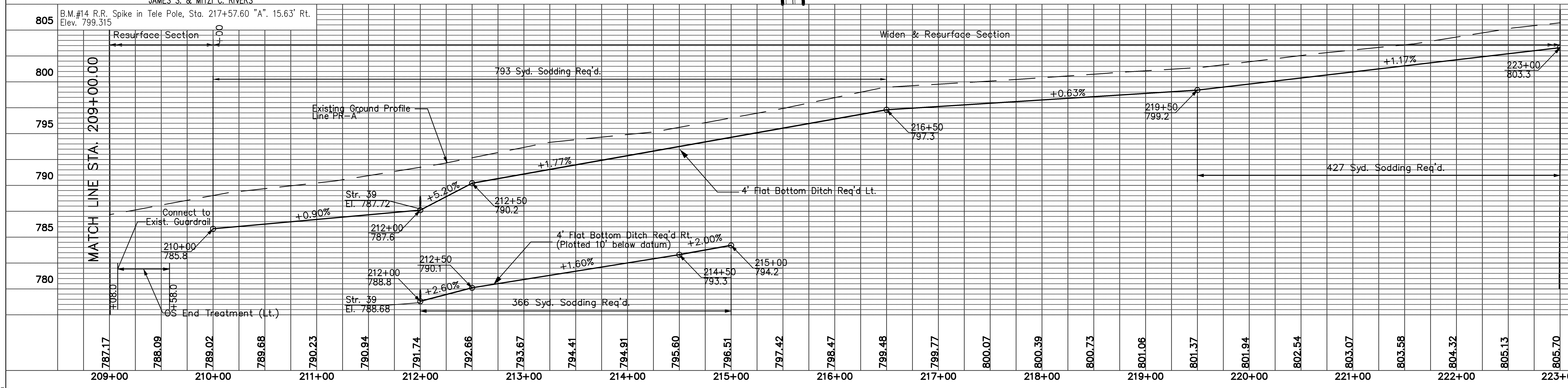
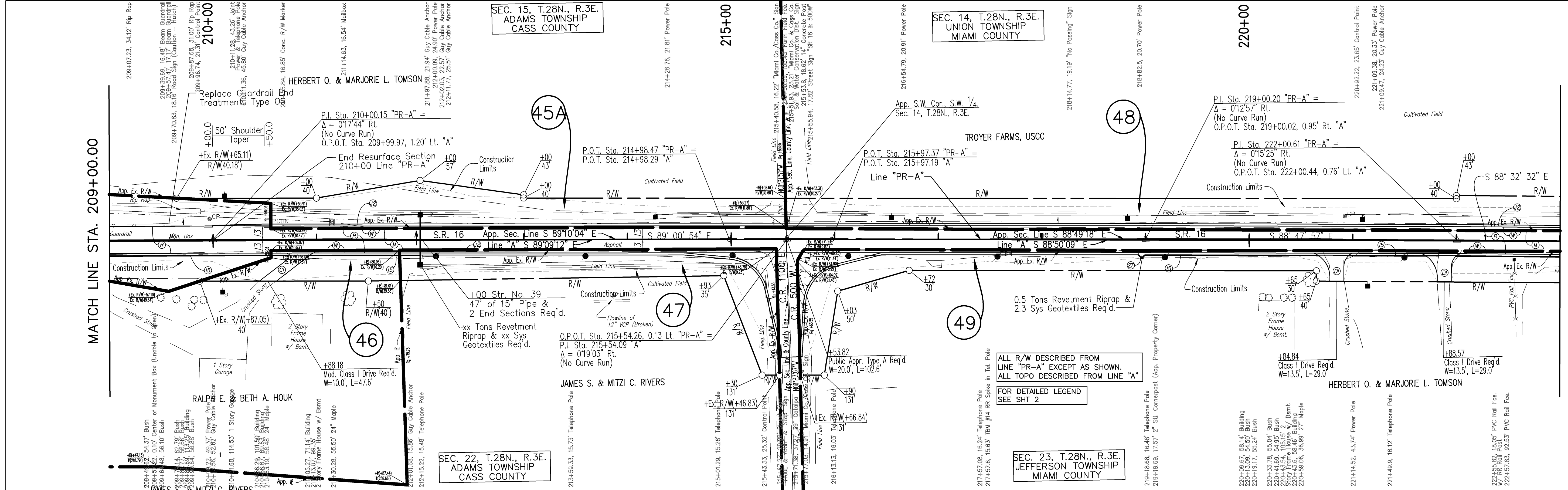
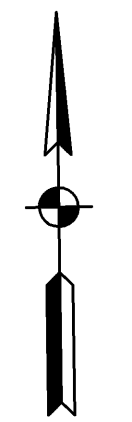


RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED:	CP	DRAWN:	JP		
CHECKED:	MP	CHECKED:	MP		

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE SHEET
LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE	
1" = 50'	N/A	
VERTICAL SCALE	DESIGNATION	
1" = 5'	0600165	
SURVEY BOOK	DWG. NO.	SHEET NO.
		32 of 45
CONTRACT	PROJECT	
RS-29128	0600165	



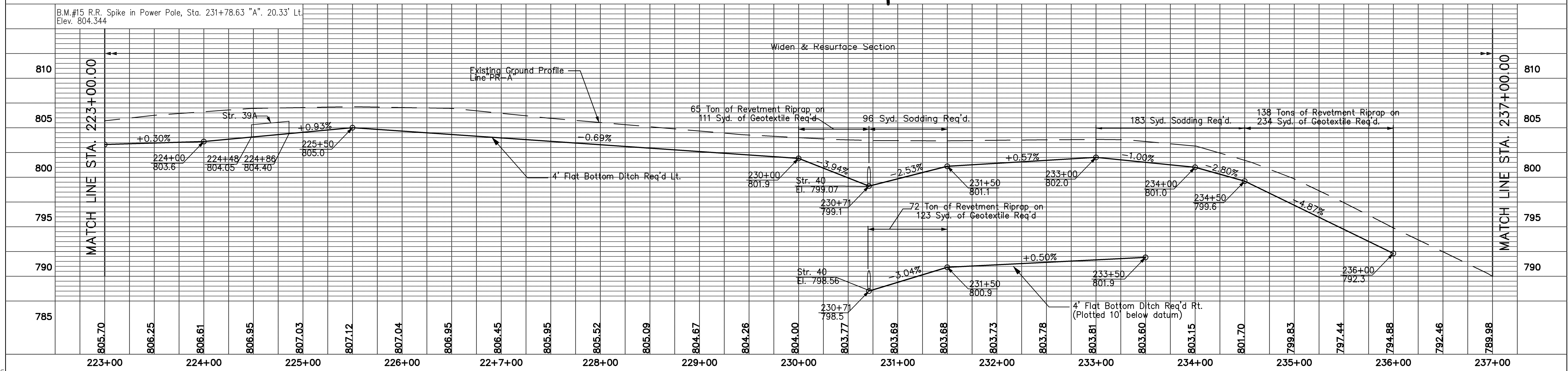
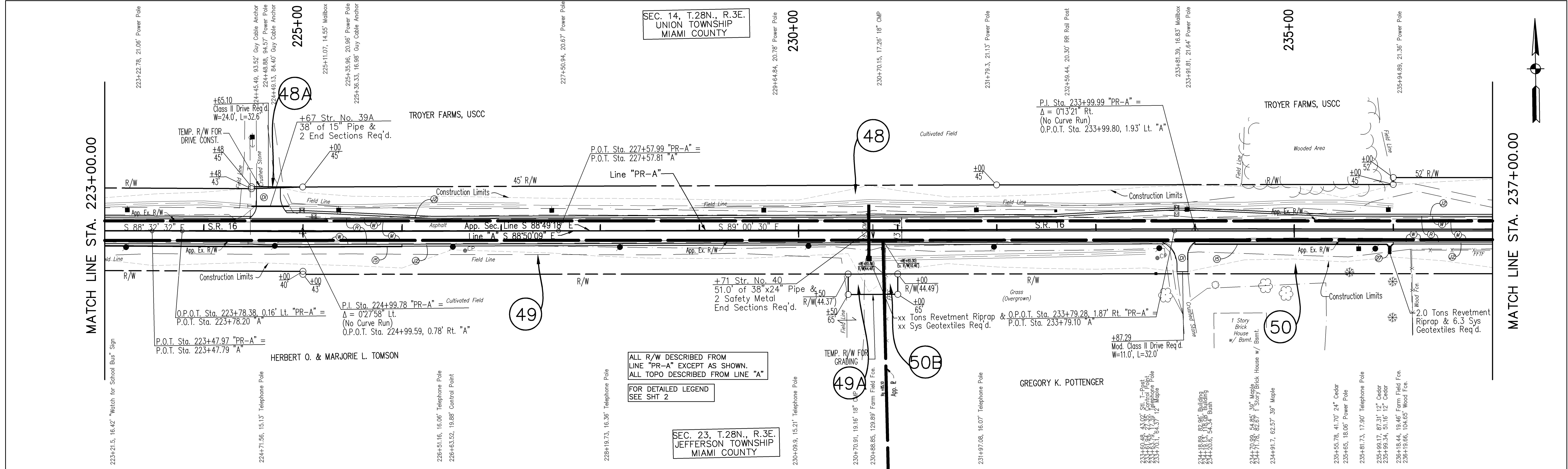
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CP	DRAWN: JP	
CHECKED: MP	CHECKED: MP	

INDIANA
DEPARTMENT OF TRANSPORTATION

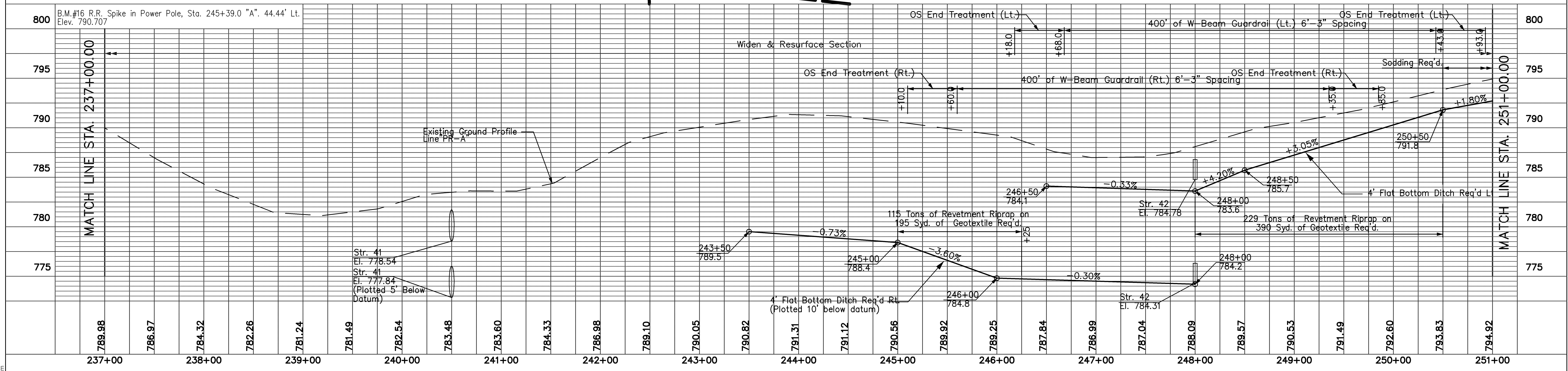
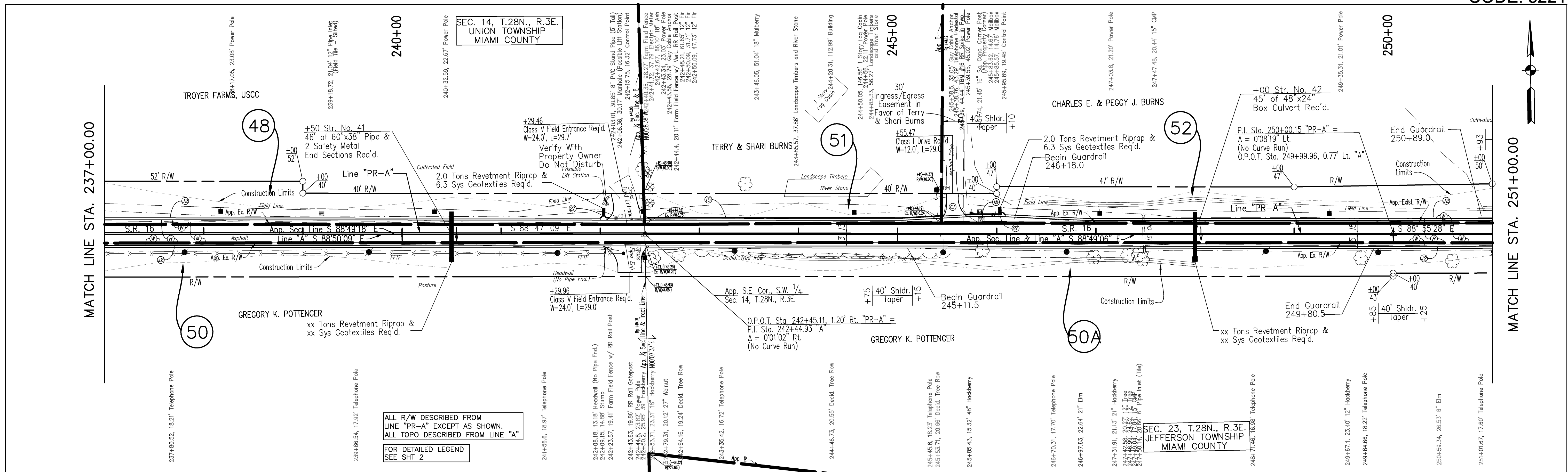
PLAN & PROFILE SHEET
LINE "PR-A"

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 0600165
SURVEY BOOK	DWG. NO. SHEET NO. 33 of 45
CONTRACT RS-29128	PROJECT 0600165



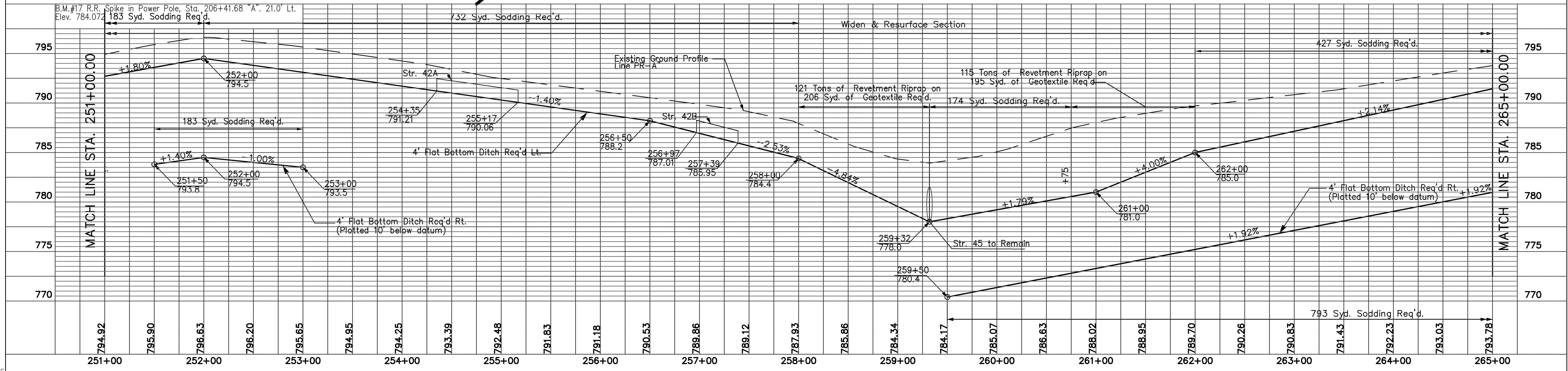
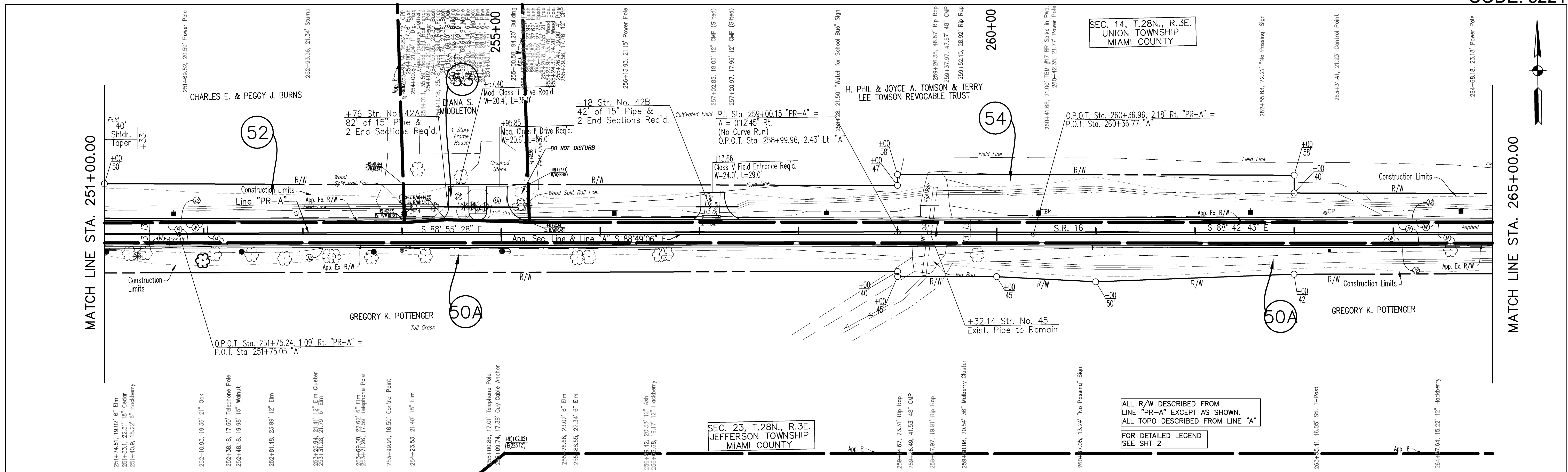
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION PLAN & PROFILE SHEET LINE "PR-A"	HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
DESIGNED: CP CHECKED: MP	DRAWN: JP CHECKED: MP		VERTICAL SCALE 1" = 5'	DESIGNATION 0600165
			SURVEY BOOK RS-29128	DWG. NO. SHEET NO. 34 of 45 PROJECT 0600165

DIRECTORY: R:\4512\0607\ProjectDevelopment\ROW\RWENG\CalculationDrawings\ LTSCALE...50
 FILE:PP=30.dwg
 PLOTTED BY: csm
 DATE: 07/20/10 1:00pm



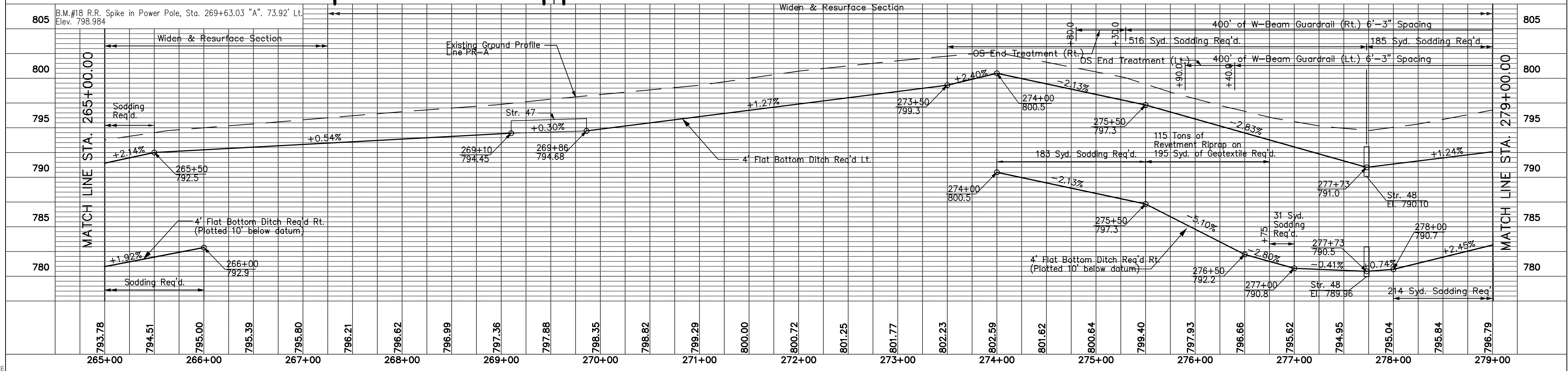
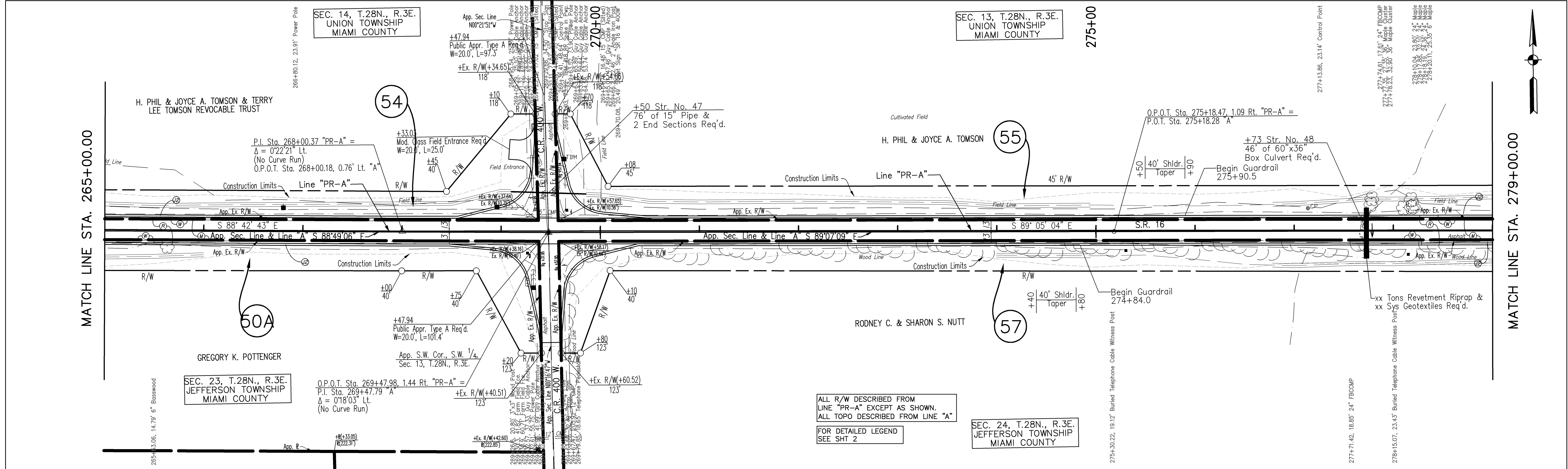
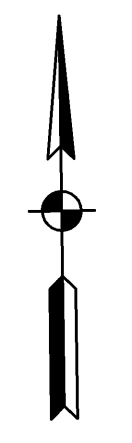
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 PLOTTED BY: csm DATE: 07/20/10 - 12:59pm

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE		BRIDGE FILE	
								1" = 50'		N/A	
DESIGNED: CP		DRAWN: JP				PLAN & PROFILE SHEET LINE "PR-A"		VERTICAL SCALE		DESIGNATION	
								1" = 5'		0600165	
CHECKED: MP		CHECKED: MP						SURVEY BOOK		DWG. NO.	
										35 of 45	
								CONTRACT		PROJECT	
								RS-29128		0600165	



RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1" = 50'		BRIDGE FILE N/A	
DESIGNED: CP		DRAWN: JP				VERTICAL SCALE 1" = 5'		DESIGNATION 0600165	
CHECKED: MP		CHECKED: MP		PLAN & PROFILE SHEET LINE "PR-A"		SURVEY BOOK		DWG. NO. SHEET NO. 36 of 45	
						CONTRACT RS-29128		PROJECT 0600165	

DIRECTORY: R:\4512\0607\ProjectDevelopment\ROW\RWENG\CalculationDrawings\ LTSCALE=50
 FILE:PP=32.dwg DIMSCALE=50
 PLOTTED BY: caw DATE: 06/20/10 8:22am



ALL R/W DESCRIBED FROM LINE "PR-A" EXCEPT AS SHOWN. ALL TOPO DESCRIBED FROM LINE "A" FOR DETAILED LEGEND SEE SHT 2

SEC. 24, T.28N., R.3E. JEFFERSON TOWNSHIP MIAMI COUNTY

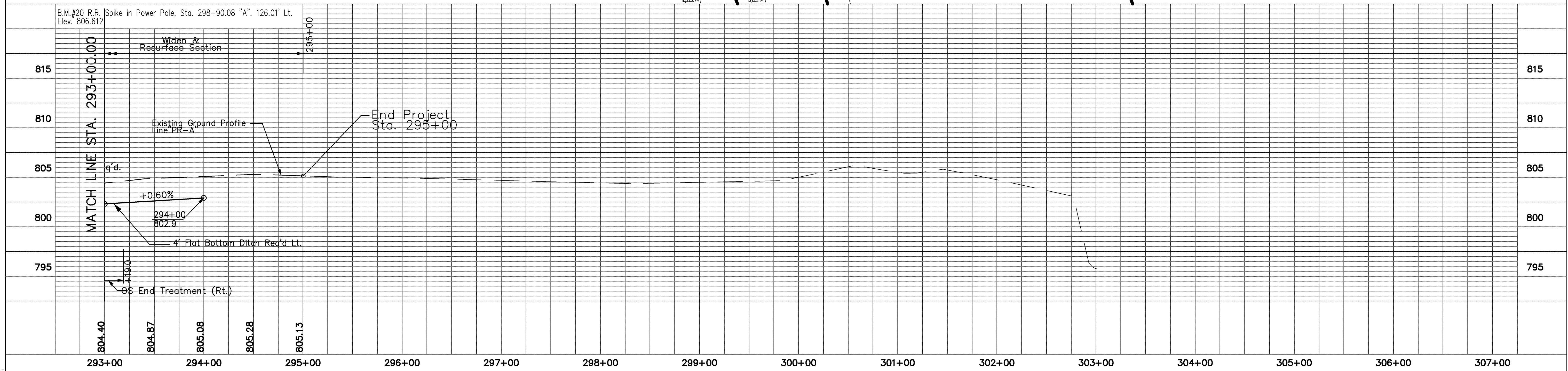
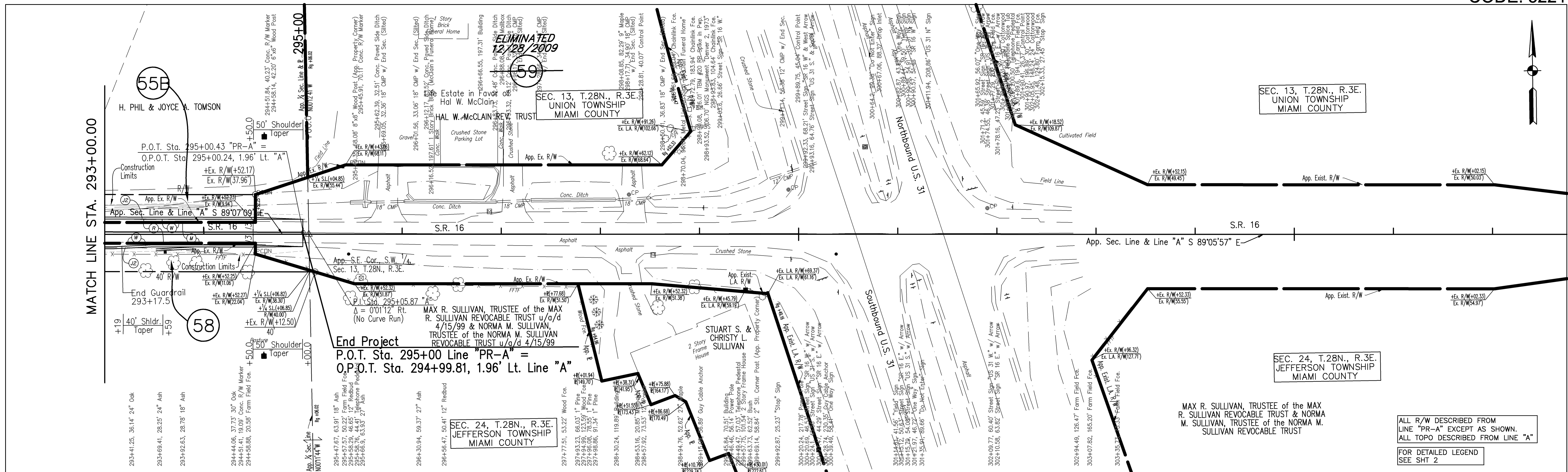
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 PLOTTED BY: csw DATE: 07/20/10 - 12:58pm

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED:	CP	DRAWN: JP
CHECKED:	MP	CHECKED: MP

INDIANA
DEPARTMENT OF TRANSPORTATION

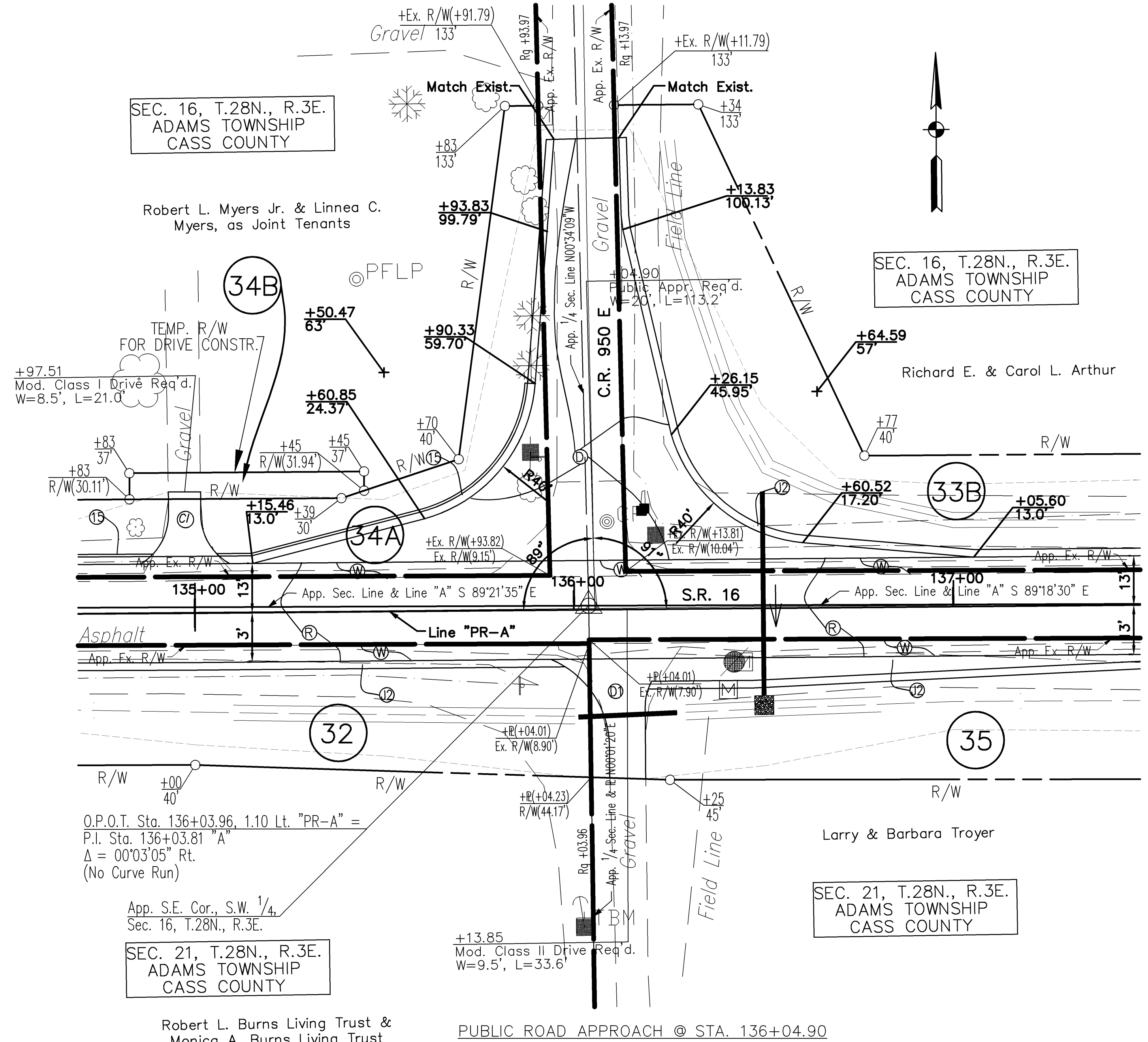
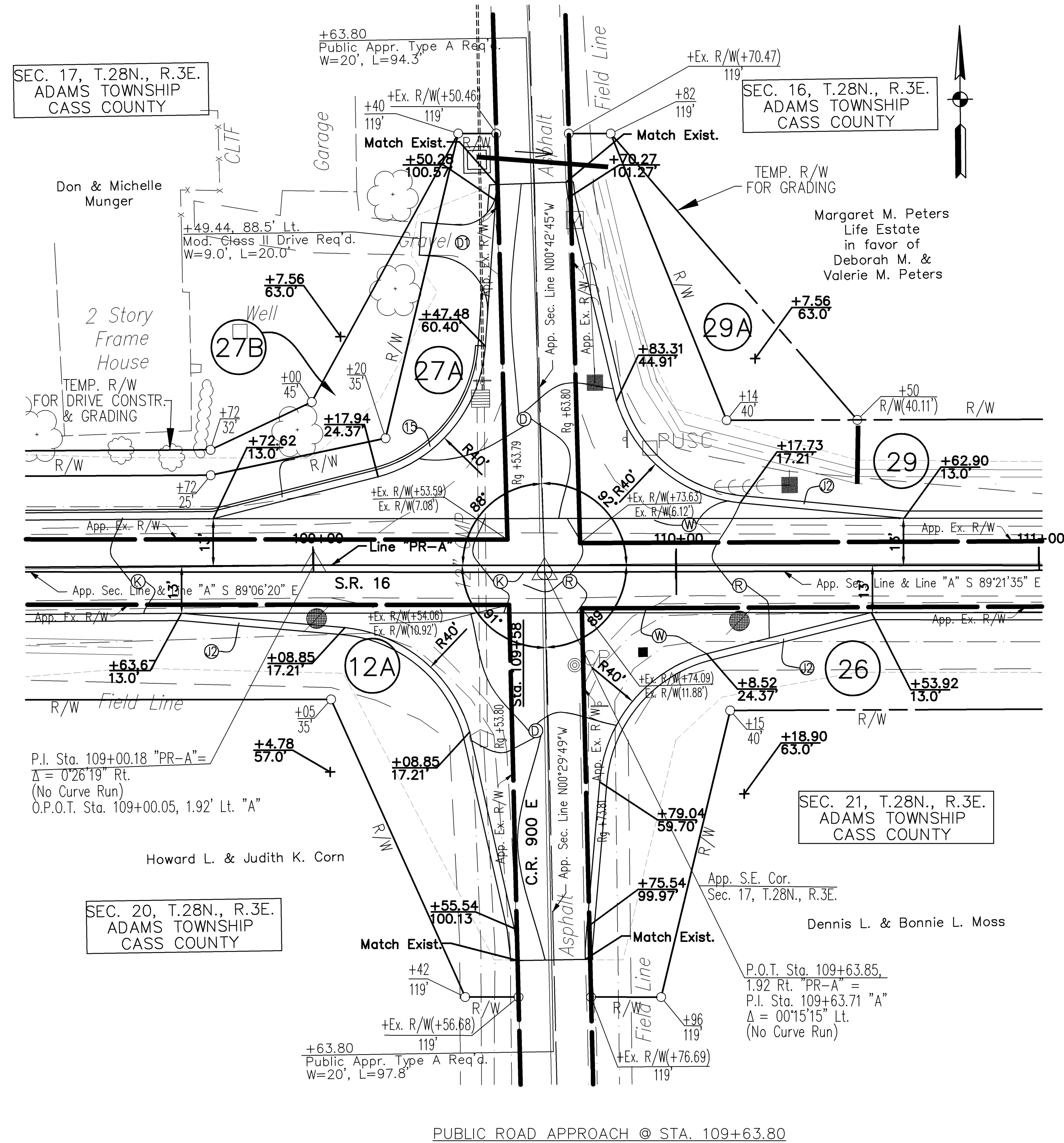
PLAN & PROFILE SHEET
LINE "PR-A"

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 0600165
SURVEY BOOK	DWG. NO. SHEET NO. 37 of 45
CONTRACT RS-29128	PROJECT 0600165



RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1" = 50'		BRIDGE FILE N/A	
DESIGNED: CP		DRAWN: JP				VERTICAL SCALE 1" = 5'		DESIGNATION 0600165	
CHECKED: MP		CHECKED: MP		PLAN & PROFILE SHEET LINE "PR-A"		SURVEY BOOK		DWG. NO. SHEET NO. 39 of 45	
						CONTRACT RS-29128		PROJECT 0600165	

DIRECTORY: R:\4512\0607\ProjectDevelopment\ROW\RWENG\CalculationDrawings\ LTSCALE...50
 FILE:PP-35.dwg
 PLOTTED BY: caw 07/2010 - 1:02pm
 DATE: 07/2010



NOTE:
 - ALL CALLOUTS ARE FROM LINE "PR-A" UNLESS OTHERWISE NOTED.
 - FOR DETAIL LEGEND SEE SHEET No. 2

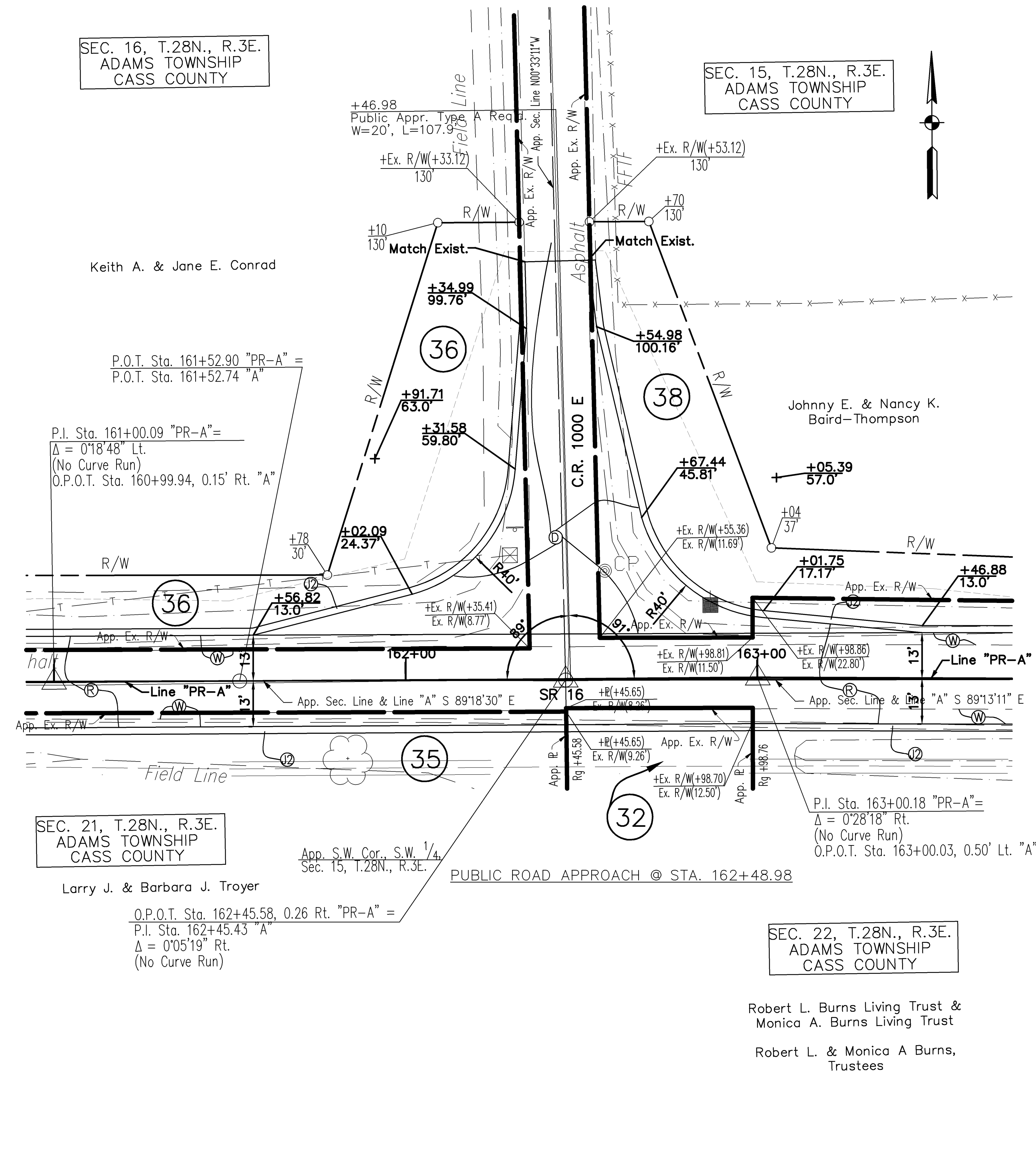
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CP	DRAWN: JP	
CHECKED: MP	CHECKED: MP	

INDIANA
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAIL SHEET
 LINE "PR-A"

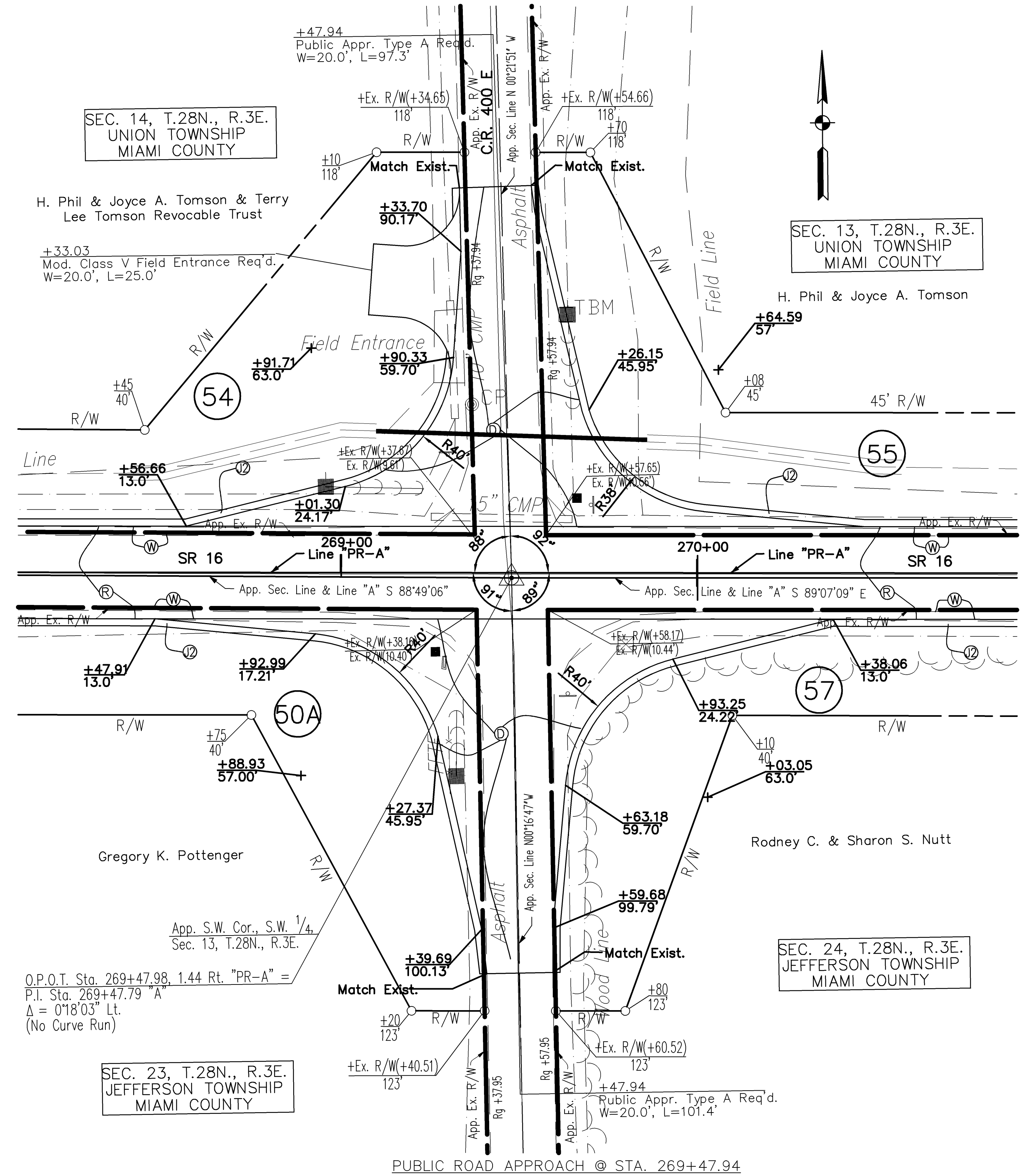
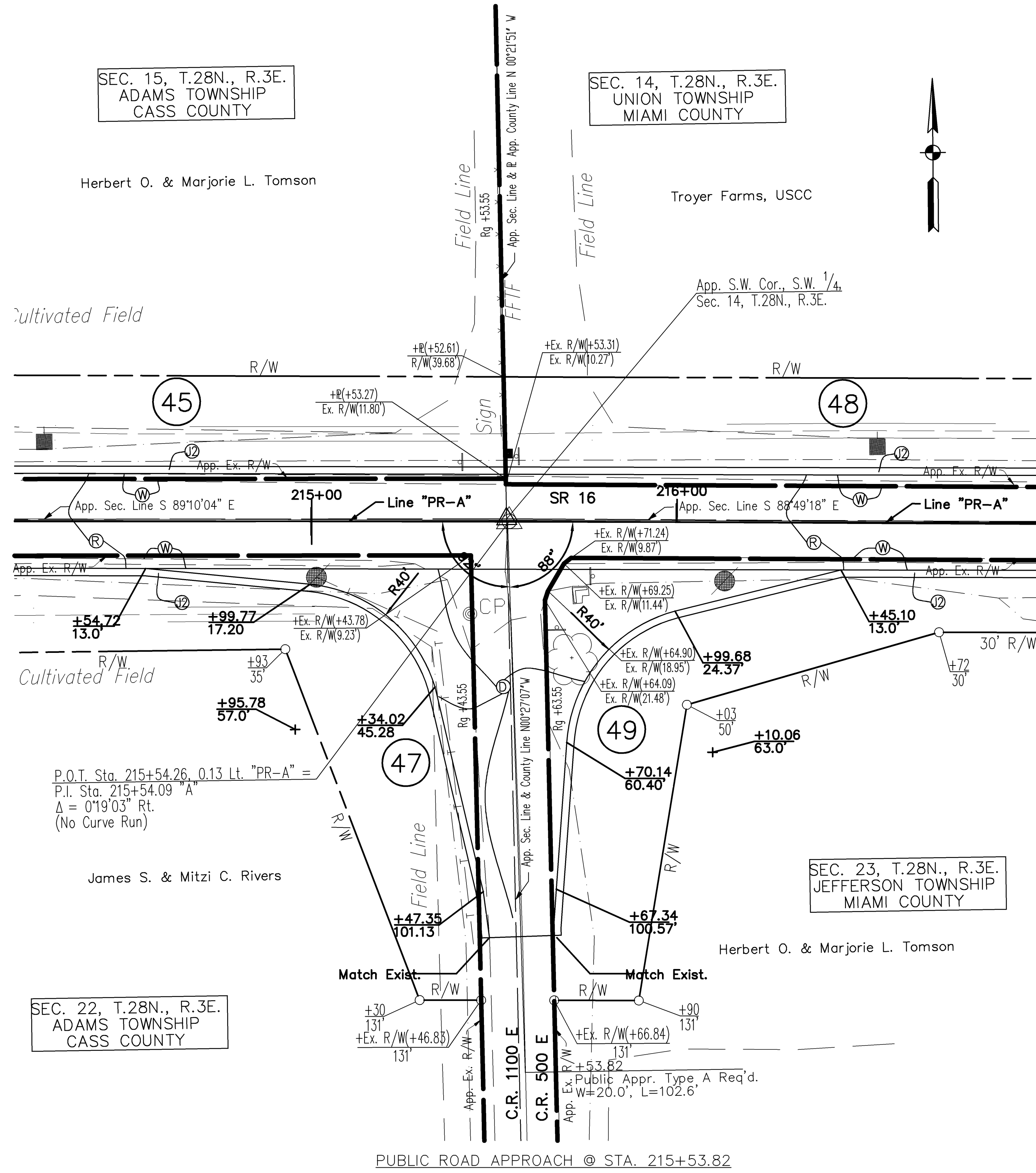
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
	0600165
SURVEY BOOK	DWG. NO. SHEET NO.
RS-29128	CDS-01 40 of 45
	PROJECT
	0600165

DIRECTORY...R:\4512\0607\ProjectDevelopment\POW\RWENG\CalculationDrawings\ LTSCALE...20
 FILE...CDS-01.dwg
 DIMSCALE...20
 DATE...07/27/2010 8:25am



RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1" = 20'		BRIDGE FILE N/A			
DESIGNED: CP		DRAWN: JP		CHECKED: MP		CONSTRUCTION DETAIL SHEET LINE "PR-A"		VERTICAL SCALE DESIGNATION 0600165		SURVEY BOOK CDS-01		DWG. NO. 41 of 45	
CHECKED: MP		CHECKED: MP						CONTRACT RS-29128		PROJECT 0600165			

DIRECTORY...R:\4512\0607\ProjectDevelopment\POW\RWENG\CalculationDrawings\ LTSCALE...20
 FILE...CDS-02.dwg DIMSCALE...20
 PLOTTED BY: csw007 DATE: 07/20/10 8:33am



NOTE:
 - ALL CALLOUTS ARE FROM LINE "PR-A" UNLESS OTHERWISE NOTED.
 - FOR DETAIL LEGEND SEE SHEET No. 2

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED:	CP	DRAWN:
CHECKED:	MP	CHECKED:
	JP	MP

INDIANA
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAIL SHEET
 LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
	0600165
SURVEY BOOK	DWG. NO.
	CDS-01
CONTRACT	SHEET NO.
RS-29128	42 of 45
	PROJECT
	0600165

DIRECTORY: R:\4512\0607\ProjectDevelopment\ROW\RWENG\CalculationDrawings\ LTSCALE: 20
 FILE: CDS-01.dwg
 PLOTTED BY: cawood
 DATE: 07/20/10 8:36am

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE			GRADE				EXCAVATION		CLEAR ZONE AT DRIVE	HMA FOR APPROACHES				HMA MATERIALS				HMA BASE 25 mm	SEAL COAT TYPE 2	SEAL COAT TYPE 5	HMA MATERIAL FOR:		COMPACTED AGGREGATE FOR BASE NO. 53				COMPACTED AGGREGATE FOR SURFACE NO. 73		REMARKS			
						COMPACTED AGGREGATE BASE	HMA	CONCRETE	1	2	3	4	CUT	FILL		LBS. PER SYD.				LBS. PER SYD.							PRIME COAT	TACK COAT	DEPTH				DEPTH					
																SYS	SYS	SYS	%	%	%	%	CYS						CYS	FT	SYS	SYS	SYS	SYS		SYS	SYS	SYS
						FT	FT	FT	FT	FT	SYS	SYS	SYS	%		%	%	%	CYS	CYS	FT	SYS	SYS				SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS		SYS	SYS	SYS
188+87.54, RT	Class II Drive	14.0	27.1	15', 15'																																		
189+01.77, LT	Public Road Approach Type A	20.0	110.8	40', 40'																																		
189+01.77, RT	Public Road Approach Type A	20.0	101.2	40', 40'																																		
196+95.49, RT	Mod. Class II Drive	48.0	26.0	20', 20'																																		
199+76.98, LT	Mod. Class II Drive	11.0	29.0	25', 15'																																		
210+88.18, RT	Mod. Class II Drive	10.0	16.6	5', 15'																																		
215+53.82, RT	Public Road Approach Type A	20.0	102.6	40', 40'																																		
220+84.84, RT	Class II Drive	13.5	22.1	25', 15'																																		
221+88.57, RT	Class I Drive	13.5	22.5	25', 15'																																		
224+65.10, LT	Class II Drive	24.0	30.6	25', 15'																																		
233+87.29, RT	Mod. Class II Drive	11.0	30.0	25', 15'																																		
242+29.46, LT	Class V Field Entrance	24.0	27.6	25', 15'																																		
242+29.96, RT	Class V Field Entrance	24.0	27.0	25', 15'																																		
245+55.47, LT	Class II Drive	12.0	27.0	25', 15'																																		
254+57.40, LT	Mod. Class II Drive	20.4	28.0	8', 15'																																		
254+95.85, LT	Mod. Class II Drive	20.6	28.0	25', 8'																																		
257+13.66, LT	Class V Field Entrance	24.0	27.0	25', 15'																																		
269+33.03, LT	Mod. Class V Field Entrance	20.0	24.6	15', 15'																																		
269+47.94, LT	Public Road Approach Type A	20.0	97.4	40', 40'																																		
269+47.94, RT	Public Road Approach Type A	20.0	101.4	40', 40'																																		
283+77.87, RT	Mod. Class V Field Entrance	20.0	28.0	15', 15'																																		
287+17.63, LT	Class II Drive	13.5	23.0	25', 15'																																		

DIRECTORY: R:\4512\0607\ProjectDevelopment\ROW\RWENG\CalculationDrawings\ L1SCALE...1
 FILE:APPROACH-03.dwg
 PLOTTED BY: caw
 DATE:05/2009 - 10:09am

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
			N/A	N/A
DESIGNED: CP DRAWN: JP CHECKED: MP CHECKED: MP	APPROACH TABLE		VERTICAL SCALE	DESIGNATION
			N/A	0600165
			SURVEY BOOK	DWG. NO. SHEET NO.
				45 of 45
			CONTRACT	PROJECT
			RS-29128	0600165