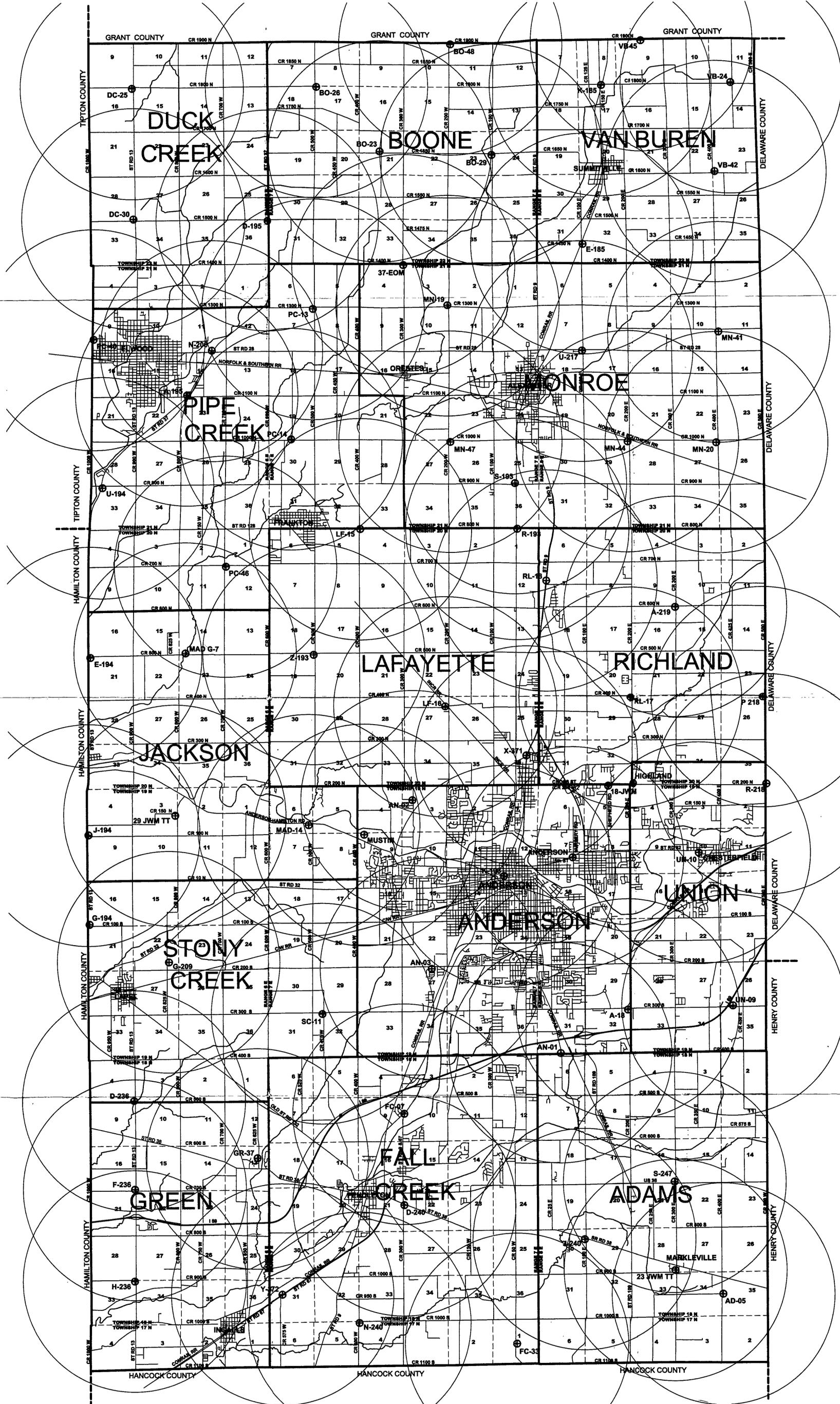


INDIANA STATE PLANE CONTROL NETWORK MADISON COUNTY



0' 1 M 2 M
SCALE: 1" = 1 Mile



RAYL
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fax: (765) 643-1874
rsed@netdirect.net

A CIRCLE REPRESENTS A TWO & ONE-HALF MILE RADIUS

LAYOUT: COUNTY
LAYER MGR: COUNTY
FILE: L:\PR2\Madison-County\GPSCONTROL_2.dwg

1/21/2005

INDEX - TOWNSHIP
INDIANA STATE PLANE CONTROL NETWORK
MADISON COUNTY

Index.xls

POINT ID	R-T-Sec	Political Twshp	LOCATION	MONUMENT	OBSERVATION DATE
AD-05	8-18-35	Adams	400 E & 950 S	Madison Co Marker	3-Nov-04
J-240	8-18-29	Adams	SR 38 & 100 E	USGS - Disc	12-Sep-03
S-247	8-18-16	Adams	SR 36 & 800 E	USGS - Disc	15-Dec-03
TT 23-JWM	8-18-28	Adams	300 E & 875 S	USGS - Disc	15-Dec-03
18-JWM	8-19-05	Anderson	150 E & 200 N	USGS - Disc	18-Sep-03
A-18	8-19-32	Anderson	SR 236 & 200 E	USGS - Disc	15-Oct-03
AN-02	7-19-03	Anderson	Water St & Romine Rd	Madison Co Marker	2-Jun-04
AN-03	7-19-20	Anderson	38 St & Camelot Blvd	Madison Co Marker	27-Jul-04
AN-10	8-19-31	Anderson	400 S & Columbus	Madison Co Marker	15-Oct-03
ANDERSON	8-19-07	Anderson	5th & Nursery Rd	USGS - Disc	25-Sep-03
K-193	7-19-12	Anderson	10th & John St	USGS - Disc	2-Sep-03
MUSTIN	7-19-09	Anderson	400 W & 8th St	Cut "X"	10-Oct-03
BO-23	7-22-21	Boone	350 W & 1650 N	Madison Co Marker	
BO-26	7-22-17	Boone	500 W & 1800 N	Madison Co Marker	20-May-04
BO-29	7-22-23	Boone	100 W & 1650 N	Madison Co Marker	28-Dec-04
BO-48	7-22-11	Boone	200 W & 1900 N	Madison Co Marker	
D-195	6-22-36	Duck Creek	SR 37 & 1500 N	USGS - Disc	10-Apr-04
DC-25	6-22-16	Duck Creek	SR 13 & 1800 N	Madison Co Marker	20-May-04
DC-30	6-22-28	Duck Creek	SR 13 & 1500 N	Madison Co Marker	22-Dec-04
D-240	7-18-22	Fall Creek	SR 38 & 200 W	USGS - Disc	17-Sep-03
FC-07	7-18-9	Fall Creek	SR 9 & Pendleton Ave	Madison Co Marker	
FC-33	7-17-1	Fall Creek	50 W & 1060 S	Madison Co Marker	3-Nov-04
N-240	7-17-04	Fall Creek	300 W & 1000 S	USGS - Disc	16-Dec-03
Y-372	7-18-31	Fall Creek	SR 67 & 575 W	SS Rod (HARN)	16-Dec-03
F-236	6-18-16	Green	SR 13 & 700 S	USGS - Disc	26-Sep-03
GR-37	6-18-13	Green	625 W & Jefferson Pl	Madison Co Marker	21-Dec-04
H-236	6-18-33	Green	SR 13 & 900 S	USGS - Disc	26-Sep-03
E-194	6-20-21	Jackson	SR 13 & 500 N	USGS - Disc	8-Dec-03
J-194	6-19-04	Jackson	SR 13 & 100 N	USGS - Disc	5-Nov-03
MAD 14	7-19-06	Jackson	500 W & 8th St	USGS - Disc	11-Dec-03
MAD G-7	6-20-14	Jackson	800 W & 500 N	USGS - Disc	8-Dec-03
TT 29-JWM	6-19-03	Jackson	800 W & 150 N	USGS - Disc	11-Dec-03
LF-15	7-20-04	Lafayette	SR 128 & 400 W	Madison Co Marker	28-May-04
LF-16	7-27-20	Lafayette	200 W & 375 N	Madison Co Marker	27-Jul-04
R-193	7-20-01	Lafayette	50 W & 800 N	USGS - Disc	14-Jan-04
X-371	7-20-36	Lafayette	2700 Broadway	SS Rod (HARN)	19-May-04
Z-193	6-20-19	Lafayette	500 W & 500 N	USGS - Disc	8-Dec-03
37-EOM	7-22-34	Monroe	300 W & 1400 N	USGS - Disc	24-Sep-03
MN-19	7-21-3	Monroe	200 W & 1300 N	Madison Co Marker	1-Dec-04
MN-20	8-21-27	Monroe	400 E & 1200 N	Madison Co Marker	10-Nov-04
MN-41	8-21-11	Monroe	400 E & 1250 N	Madison Co Marker	27-Dec-04
MN-44	8-21-29	Monroe	200 E & 1000 N	Madison Co Marker	11/13/2004**
MN-47	7-21-26	Monroe	200 W & 1000 N	Madison Co Marker	
S-193	7-21-25	Monroe	SR 9 & 900 N	USGS - Disc	15-Oct-03
U-217	8-21-18	Monroe	SR 28 & 100 E	USGS - Disc	18-Sep-03
A-195	6-21-14	Pipe Creek	SR 37 & 1100 N	USGS - Disc	
N-206	6-21-11	Pipe Creek	SR 37 & SR 28	USGS - Disc	1-Mar-04
PC-13	7-21-07	Pipe Creek	500 W & 1300 N	Madison Co Marker	20-May-04
PC-14	8-18-35	Pipe Creek	550 W & 1000 N	Madison Co Marker	21-Dec-04
PC-40	6-21-9	Pipe Creek	1000 W & N E St	Madison Co Marker	22-Dec-04

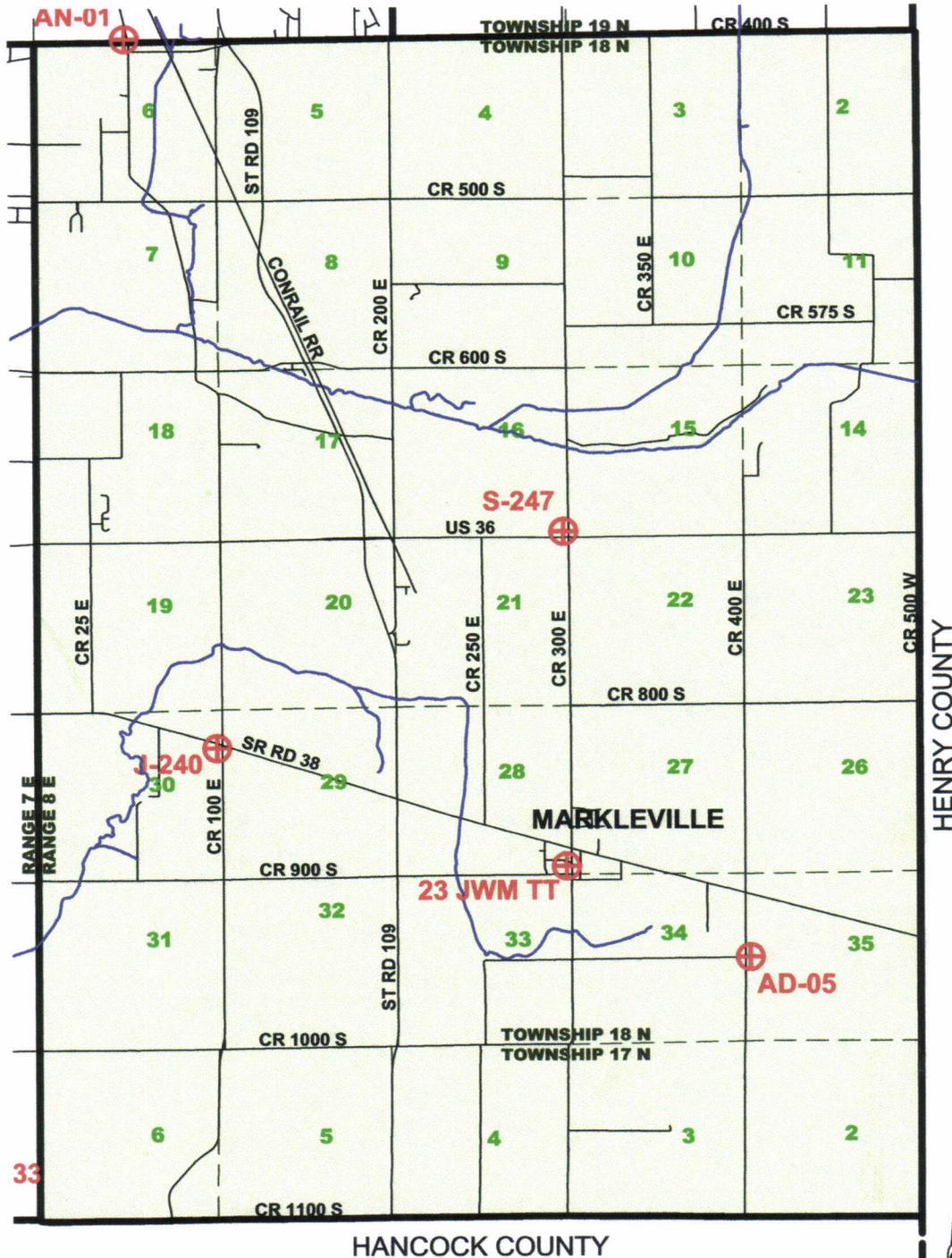
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INDIANA STATE PLANE CONTROL NETWORK
MADISON COUNTY

PC-46	6-20-11	Pipe Creek	700 W 700 N	Madison Co Marker	13-Nov-04
U-194	6-21-33	Pipe Creek	SR 13 & 900 N	USGS - Disc	9-Dec-03
A-219	8-20-16	Richland	300 E & 600 N	USGS - Disc	11-Sep-03
P-218	8-20-26	Richland	500 E & 400 N	USGS - Disc	7-Apr-04
RL-17	8-29-20	Richland	200 E & 400 N	Madison Co Marker	24-May-04
RL-18	8-20-07	Richland	SR 9 & 650 N	Madison Co Marker	28-May-04
D-236	6-18-04	Stony Creek	SR 13 & 500 S	USGS - Disc	25-Sep-03
G-194	6-19-16	Stony Creek	SR 13 & 100 S	USGS - Disc	5-Nov-03
G-209	6-19-23	Stony Creek	825 W & 200 S	USGS - Disc	25-Sep-03
SC-11	7-19-32	Stony Creek	475 W & 300 S	Madison Co Marker	
HIGHLAND	8-20-33	Union	200 E & 200 N	5/8" Rebar	15-Oct-03
R-218	8-20-36	Union	500 E & 200 N	USGS - Disc	11-Sep-03
UN-09	8-19-26	Union	400 E & 300 S	Madison Co Marker	3-Nov-04
UN-10	8-19-10	Union	350 E & 50 N	Madison Co Marker	
E-185	8-22-32	Van Buren	100 E & 1450 N	USGS - Disc	24-Sep-03
K-185	8-22-17	Van Buren	150 E & 1800 N	USGS - Disc	24-Sep-03
VB-24	8-22-11	Van Buren	450 E & 1800 N	Madison Co Marker	30-Dec-04
VB-42	8-22-23	Van Buren	400 E & 1600 N	Madison Co Marker	30-Dec-04
VB-45	8-22-9	Van Buren	250 E & 1900 N	Madison Co Marker	11/13/2004**
				**RAPID OBSERVATION REPORT	

STATE PLANE CONTROL KEY MAP

ADAMS TOWNSHIP

MADISON COUNTY, IN



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 SCALE: 1" = 1 MILE

MADISON COUNTY STATE PLANE COORDINATE CONTROL NETWORK

CONTROL MONUMENT DESIGNATION: AD-05

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "AD-05 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Adam

SECTION 35, TOWNSHIP 18 NORTH, RANGE 8 EAST

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located approximately 15.65' E of the centerline of CR 400 E and in line with the centerline of CR 950 S where it tees into CR 400 E.

DATE OBSERVED: 03 DAY, 11 MONTH, 2004 YEAR

ELLIPSOID HEIGHT: 264.060 METERS: 866.34 US SURVEY FEET

ORTHO HEIGHT: 297.969 METERS: 977.59 US SURVEY FEET

(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 523983.162 METERS: 1719101.4240 US SURVEY FEET

EASTING: 106087.715 METERS: 348056.1116 US SURVEY FEET

LATITUDE: 39° 58' 5.32115"

WEST LONGITUDE: 85° 35' 43.46718"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS

revised 2-2-2005

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MADISON COUNTY STATE PLANE COORDINATE CONTROL NETWORK

CONTROL MONUMENT DESIGNATION: J - 240
TYPE OF MONUMENT: Brass disc in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Adams
SECTION 29, TOWNSHIP 18 NORTH, RANGE 8 EAST

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SW quadrant of the intersection of SR 38 & CR 100 E. The point is 47.5' W of the centerline of CR 100 E & 28.5' SW of the centerline of SR 38. This point has a survey marker sign mounted on a T-post next to it. Brass disc is approximately level with SR 38.

DATE OBSERVED: 12 DAY, 09 MONTH, 2003 YEAR

ELLIPSOID HEIGHT: 252.456 METERS: 828.27 US SURVEY FEET
ORTHO HEIGHT: 286.386 METERS: 939.58 US SURVEY FEET
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 526022.831 METERS: 1725793.2380 US SURVEY FEET
EASTING: 101165.281 METERS: 331906.4261 US SURVEY FEET

LATITUDE: 39° 59' 11.53037"
WEST LONGITUDE: 85° 39' 10.88256"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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MADISON COUNTY STATE PLANE COORDINATE CONTROL NETWORK

CONTROL MONUMENT DESIGNATION: S-247
TYPE OF MONUMENT: USGS Brass disc set in a concrete headwall.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Adams
SECTION 16, TOWNSHIP 18 NORTH, RANGE 8 EAST

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the NW quadrant of the intersection of CR 300 E & SR 36. This point is approximately 24' N of the centerline of SR 36 and 124' W of the centerline of CR 300 E. The point is set in the top center of the headwall. This point has a survey marker sign mounted on a T-post next to it.

DATE OBSERVED: 15 DAY, 12 MONTH, 2003 YEAR

ELLIPSOID HEIGHT: 251.459 METERS: 825.00 US SURVEY FEET
ORTHO HEIGHT: 285.365 METERS: 936.24 US SURVEY FEET
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 528011.972 METERS: 1732319.2781 US SURVEY FEET
EASTING: 104396.103 METERS: 342506.2146 US SURVEY FEET

LATITUDE: 40° 0' 15.98684"

WEST LONGITUDE: 85° 36' 54.65268"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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MADISON COUNTY STATE PLANE COORDINATE CONTROL NETWORK

CONTROL MONUMENT DESIGNATION: 23 JWM TT
TYPE OF MONUMENT: USGS Brass disc set in a concrete headwall.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Adams
SECTION 28, TOWNSHIP 18 NORTH, RANGE 8 EAST

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SW quadrant where Home Avenue tees into CR 300 E in the Town of Markleville, IN. This point is 15' W of the centerline of CR 300 E and 40' S of the centerline of Home Avenue. The point is set in the N end of the headwall.

DATE OBSERVED: 15 DAY, 12 MONTH, 2003 YEAR

ELLIPSOID HEIGHT: 256.839 METERS: 842.65 US SURVEY FEET
ORTHO HEIGHT: 290.748 METERS: 953.90 US SURVEY FEET
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 524877.599 METERS: 1722035.9227 US SURVEY FEET
EASTING: 104446.791 METERS: 342672.5135 US SURVEY FEET

LATITUDE: 39° 58' 34.35875"
WEST LONGITUDE: 85° 36' 52.59273"

RECOVERY NOTES: _____

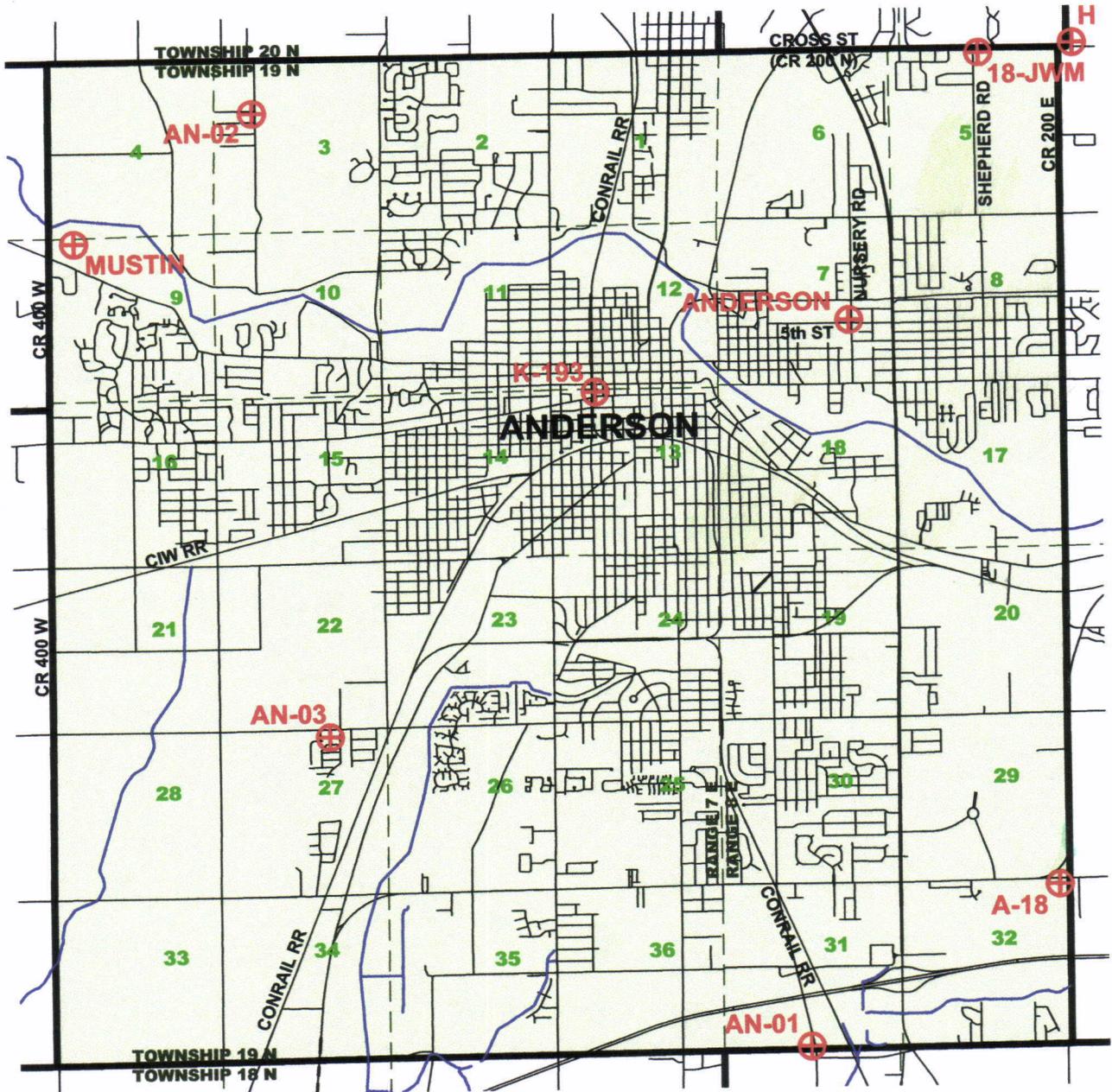
Solution report based upon OPUS/NGS
revised 2-2-2005

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STATE PLANE CONTROL KEY MAP

ANDERSON TOWNSHIP

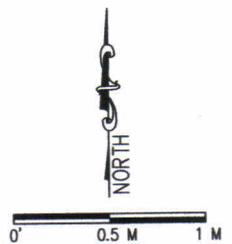
MADISON COUNTY, IN



PREPARED BY

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SCALE: 1" = 1 MILE

**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: 18-JWM
TYPE OF MONUMENT: Brass disc in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Anderson
SECTION 5, **TOWNSHIP** 19 **NORTH**, **RANGE** 8 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT

This point is located in the SE quadrant of Cross Street and Shepherd Road in Anderson, Indiana, approximately 0.5 mile E of SR 9. This point has a survey marker sign on a T-post next to it.

DATE OBSERVED: 18 **DAY**, 09 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 235.587 **METERS:** 772.9217 **US SURVEY FEET**
ORTHO HEIGHT: 269.527 **METERS:** 884.2732 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 542523.949 **METERS:** 1779930.6560 **US SURVEY FEET**
EASTING: 102003.576 **METERS:** 334656.7323 **US SURVEY FEET**

LATITUDE: 40° 8' 6.54135"
WEST LONGITUDE: 85° 38' 35.36415"

RECOVERY NOTES: _____

MADISON COUNTY STATE PLANE COORDINATE CONTROL NETWORK

CONTROL MONUMENT DESIGNATION: A-18

TYPE OF MONUMENT: P-K Nail

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Anderson

SECTION 32, TOWNSHIP 19 NORTH, RANGE 8 EAST

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located on the S side of SR 236 approximately 0.2 mile W of CR 200 E. The point is 60' S of the centerline of SR 236 in an asphalt entrance to an Ameritech (SBC) enclosure that is mounted on a 15' x 20' concrete pad. The point is approximately 20' N of the NW corner of the concrete pad.

DATE OBSERVED: 15 DAY, 10 MONTH, 2003 YEAR

ELLIPSOID HEIGHT: 244.880 METERS: 803.41 US SURVEY FEET

ORTHO HEIGHT: 278.788 METERS: 914.66 US SURVEY FEET
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 534388.392 METERS: 1753239.24942 US SURVEY FEET

EASTING: 102606.802 METERS: 336635.8162 US SURVEY FEET

LATITUDE: 40° 3' 42.75753"

WEST LONGITUDE: 85° 38' 10.00046"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: AN-02
TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "AN-02 Madison
County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Anderson
SECTION 3, **TOWNSHIP** 19 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SW quadrant where Water St tees into Romine Rd (CR 275 W).
This point is approximately 14.7' W of the centerline of Romine Rd (CR 275 W) and 27' S
of the centerline of Water St.

DATE OBSERVED: 02 **DAY**, 06 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 233.024 **METERS:** 764.5129 **US SURVEY FEET**
ORTHO HEIGHT: 267.067 **METERS:** 876.2023 **US SURVEY FEET**
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 542010.857 **METERS:** 1778247.2867 **US SURVEY FEET**
EASTING: 95016.901 **METERS:** 311734.6160 **US SURVEY FEET**

LATITUDE: 40° 7' 49.86099"
WEST LONGITUDE: 85° 43' 30.48378"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: AN-03
TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "AN-03 Madison
County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Anderson
SECTION 19, **TOWNSHIP** 20 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located SW quadrant of the intersection of 38th Street and Camelot Boulevard
in Anderson, IN This point is approximately 40' W of the centerline of Camelot Boulevard
and approximately 200' S of 38th Street. This point is approximately 11.2' W of a 3'x5'x5'
limestone block.

DATE OBSERVED: 27 **DAY**, 7 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 234.554 **METERS:** 769.5326 **US SURVEY FEET**
ORTHO HEIGHT: 268.548 **METERS:** 881.0612 **US SURVEY FEET**
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 535892.960 **METERS:** 1758175.4863 **US SURVEY FEET**
EASTING: 95747.383 **METERS:** 314131.2057 **US SURVEY FEET**

LATITUDE: 40° 4' 31.51603"
WEST LONGITUDE: 85° 42' 59.48371"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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MADISON COUNTY STATE PLANE COORDINATE CONTROL NETWORK

CONTROL MONUMENT DESIGNATION: AN-01 / AN-10
TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "AN-10 Madison
County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Anderson
SECTION 31, TOWNSHIP 19 NORTH, RANGE 8 EAST

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located on the W side of Columbus Ave in Anderson, IN approximately 0.3 mile
S of the I-69 overpass. This point is approximately 50' W of the centerline of Columbus
Ave and is approximately 270' N of the centerline of CR 400 S at where it tees into
Columbus Ave.

DATE OBSERVED: 15 DAY, 10 MONTH, 2003 YEAR

ELLIPSOID HEIGHT: 242.859 METERS: 796.78 US SURVEY FEET
ORTHO HEIGHT: 276.782 METERS: ~~908.08~~ US SURVEY FEET
(GEOID 99 NAVD 88) 908.50 per RAYL 3-3-05

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 532749.935 METERS: 1747863.7451 US SURVEY FEET
EASTING: 100314.724 METERS: ~~329115.8903~~ US SURVEY FEET
329115.78206

LATITUDE: 40° 2' 49.64798"
WEST LONGITUDE: 85° 39' 46.72240"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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MADISON COUNTY STATE PLANE COORDINATE CONTROL NETWORK

CONTROL MONUMENT DESIGNATION: Anderson
TYPE OF MONUMENT: Brass disc in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Anderson
SECTION 7, TOWNSHIP 19 NORTH, RANGE 8 EAST

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the NW quadrant of the intersection of 5th St & Nursery Rd. This point is approximately 62' W of the centerline of Nursery Rd & approximately 22' N of the centerline of 5th St. Brass disc located 12" below sidewalk surface under a metal casting lid.

DATE OBSERVED: 25 DAY, 09 MONTH, 2003 YEAR

ELLIPSOID HEIGHT: 238.017 METERS: 780.89 US SURVEY FEET
ORTHO HEIGHT: 271.957 METERS: 892.24 US SURVEY FEET
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 539863.865 METERS: 1771203.3638 US SURVEY FEET
EASTING: 100762.442 METERS: 330584.7785 US SURVEY FEET

LATITUDE: 40° 6' 40.30158"
WEST LONGITUDE: 85° 39' 27.80393"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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MADISON COUNTY STATE PLANE COORDINATE CONTROL NETWORK

CONTROL MONUMENT DESIGNATION: K-193
TYPE OF MONUMENT: Brass disc in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Anderson
SECTION 12 , TOWNSHIP 19 NORTH, RANGE 7 EAST

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SE quadrant of the intersection of 10th St and John St in Anderson, IN. This point is located 16' E of the centerline of John St & 30' S of John St. & 16' W of the W rail of railroad track.

DATE OBSERVED: 02 DAY, 09 MONTH, 2003 YEAR

ELLIPSOID HEIGHT: 226.614 METERS: 743.48 US SURVEY FEET
ORTHO HEIGHT: 260.607 METERS: 855.01 US SURVEY FEET
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 539287.499 METERS: 1769312.4030 US SURVEY FEET
EASTING: 98253.335 METERS: 322352.8166 US SURVEY FEET

LATITUDE: 40° 6' 21.60890"
WEST LONGITUDE: 85° 41' 13.75181"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: MUSTIN
TYPE OF MONUMENT: Cut "X" in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Anderson
SECTION 9, **TOWNSHIP** 19 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located north of W 8th St RD in the Edgewood Lakes Subdivision on Lot 10.
This point is a cut "X" on top of the W side of the concrete box culvert. This box culvert is
approximately 300' N of 8th St RD.

DATE OBSERVED: 10 **DAY**, 10 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 217.380 **METERS:** 713.19 **US SURVEY FEET**
ORTHO HEIGHT: 251.392 **METERS:** 824.78 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 540594.155 **METERS:** 1773599.3235 **US SURVEY FEET**
EASTING: 93340.926 **METERS:** 306236.0214 **US SURVEY FEET**

LATITUDE: 40° 7' 3.88598"
WEST LONGITUDE: 85° 44' 41.22354"

RECOVERY NOTES: _____

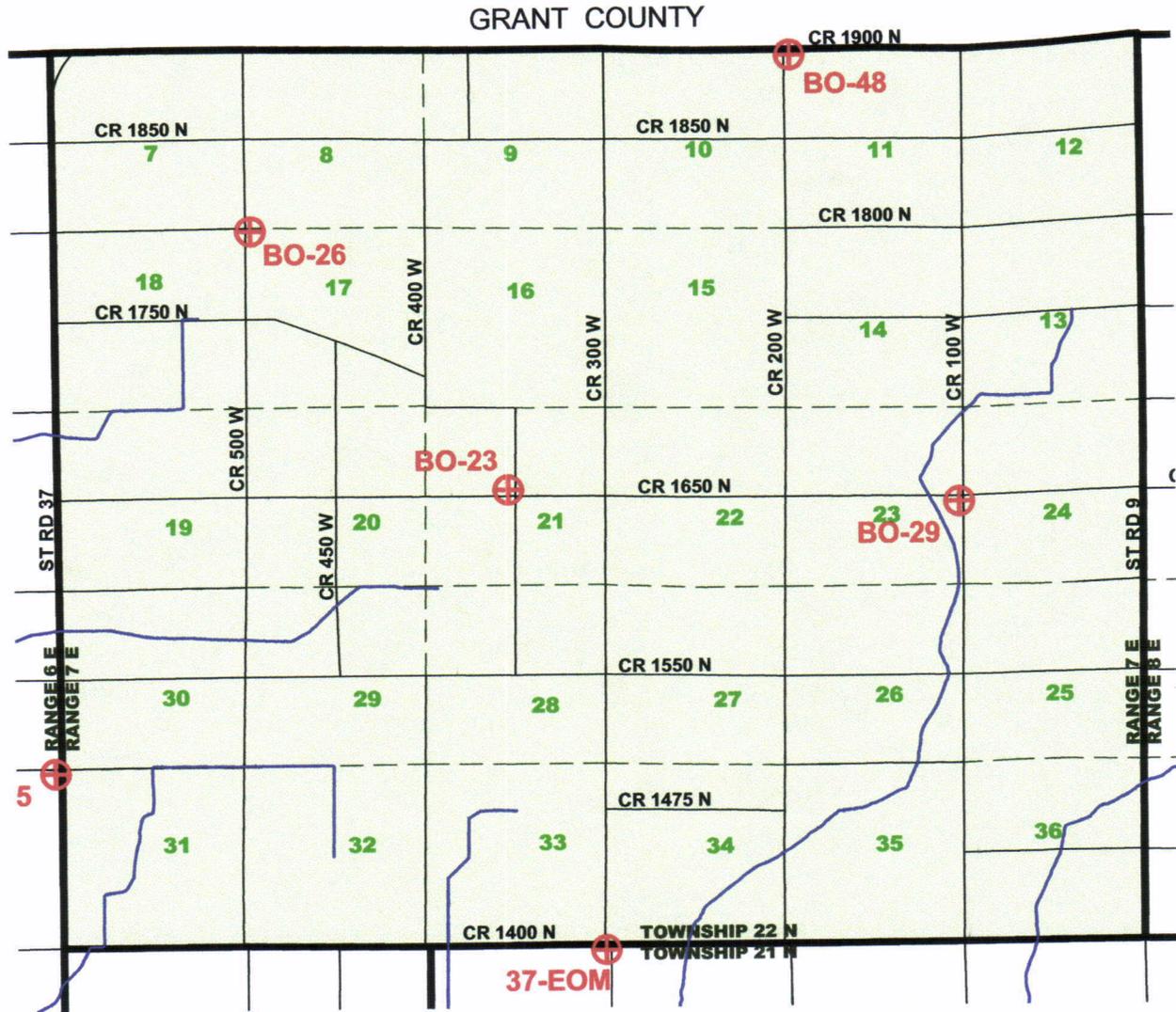
Solution report based upon OPUS/NGS
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STATE PLANE CONTROL KEY MAP

BOONE TOWNSHIP

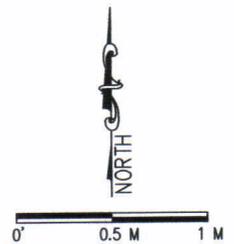
MADISON COUNTY, IN



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rse@netdirect.net



SCALE: 1" = 1 MILE

**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: BO-23

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "BO-23 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Boone

SECTION 21, **TOWNSHIP** 22 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located 2.62' N. of the N side of a square concrete post at the SE corner of Forrestville Cemetery established 1850. Also point is 22.75' N of the centerline of CR 1650 N and 0.17 mile W of CR 350 W.

DATE OBSERVED: 15 **DAY**, 4 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 237.195 **METERS:** 778.20 **US SURVEY FEET**

ORTHO HEIGHT: 271.358 **METERS:** 890.28 **US SURVEY FEET**

(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 565574.284 **METERS:** 1855554.9634 **US SURVEY FEET**

EASTING: 93698.259 **METERS:** 307408.3714 **US SURVEY FEET**

LATITUDE: 40° 20' 33.80355"

WEST LONGITUDE: 85° 44' 27.01481"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS

revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: BO-26

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "BO-26 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Boone

SECTION 17, **TOWNSHIP** 22 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SE quadrant of the intersection of CR 500 W & where CR 1800 N tees into CR 500 W. This point is approximately 12' E of the centerline of CR 500 W & approximately 20' S of the centerline of CR 1800 N.

DATE OBSERVED: 20 **DAY**, 05 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 237.774 **METERS:** 780.10 **US SURVEY FEET**

ORTHO HEIGHT: 271.973 **METERS:** 892.30 **US SURVEY FEET**

(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 567992.014 **METERS:** 1863487.1326 **US SURVEY FEET**

EASTING: 91579.151 **METERS:** 300455.9312 **US SURVEY FEET**

LATITUDE: 40° 21' 52.12240"

WEST LONGITUDE: 85° 45' 56.91947"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS

revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: BO-29

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "BO-29 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Boone

SECTION 23, **TOWNSHIP** 22 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SW quadrant of the intersection of CR 100 W & CR 1650 N. The point is 17' S of the centerline of CR 1650 N and 35.5' West of CR 100 W.

DATE OBSERVED: 28 **DAY**, 12 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 235.434 **METERS:** 772.42 **US SURVEY FEET**

ORTHO HEIGHT: 269.552 **METERS:** 884.36 **US SURVEY FEET**

(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 565518.969 **METERS:** 1855373.4841 **US SURVEY FEET**

EASTING: 97968.388 **METERS:** 321417.9529 **US SURVEY FEET**

LATITUDE: 40° 20' 32.08687"

WEST LONGITUDE: 85° 41' 26.08206"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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MADISON COUNTY STATE PLANE COORDINATE CONTROL NETWORK

CONTROL MONUMENT DESIGNATION: BO-48

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "BO-48 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Boone

SECTION 11, TOWNSHIP 22 NORTH, RANGE 7 EAST

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SE quadrant of the intersection of CR 200 W & CR 1900 N. The point is 21' S of the centerline of CR 1900 N and 17' E of the centerline of CR 200 W.

DATE OBSERVED: 3 DAY, 12 MONTH, 2004 YEAR

ELLIPSOID HEIGHT: _____ METERS: _____ US SURVEY FEET

ORTHO HEIGHT: _____ METERS: _____ US SURVEY FEET

(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 234.817 METERS: 770.40 US SURVEY FEET

EASTING: 268.980 METERS: 882.48 US SURVEY FEET

LATITUDE: 40° 22' 42.62883"

WEST LONGITUDE: 85° 42' 32.02458"

RECOVERY NOTES: _____

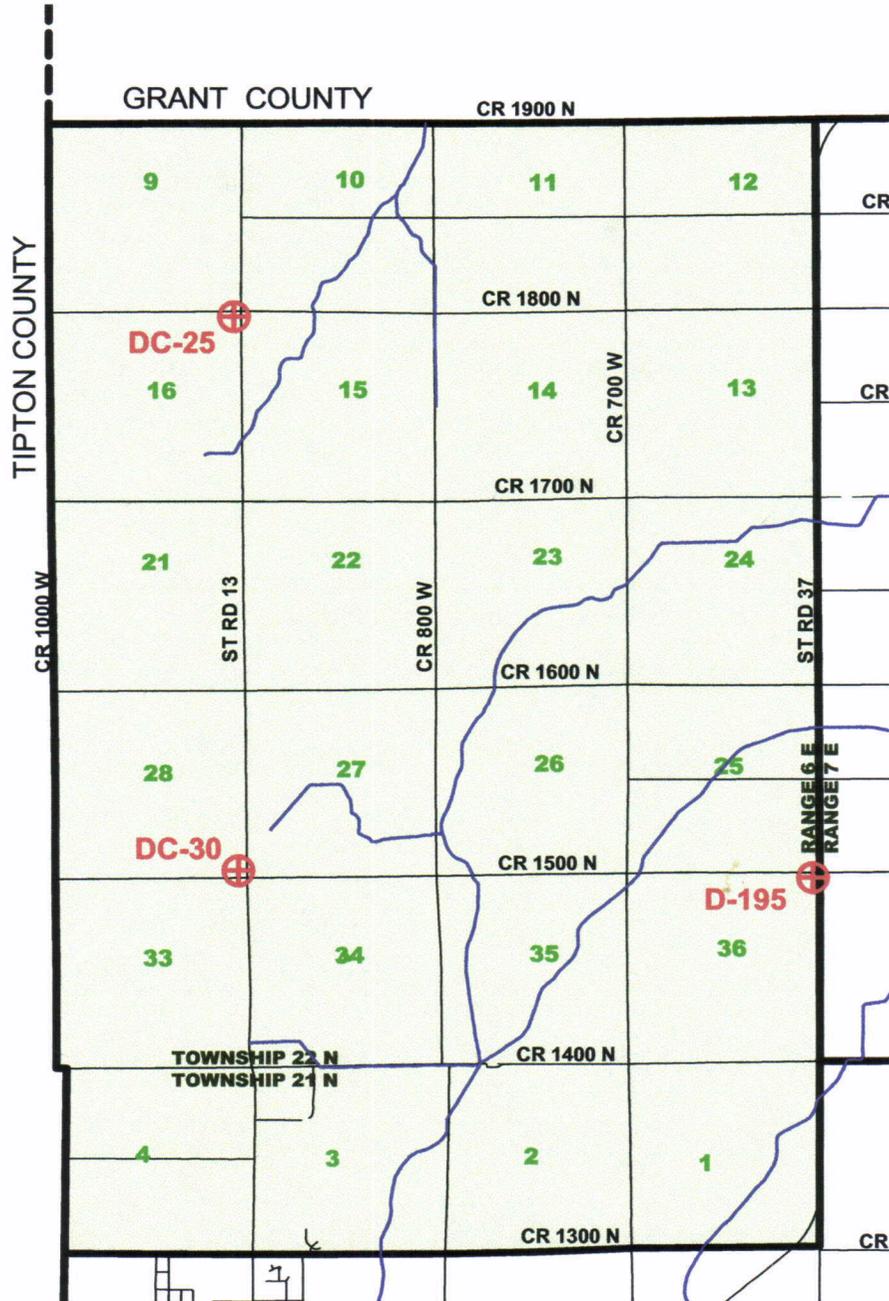
Solution report based upon OPUS/NGS
revised 2-2-2005

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STATE PLANE CONTROL KEY MAP

DUCK CREEK TOWNSHIP

MADISON COUNTY, IN



PREPARED BY

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0' 0.5 M 1 M

SCALE: 1" = 1 MILE

**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: D - 195
TYPE OF MONUMENT: Brass disk in concrete.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Duck Creek
SECTION 36, **TOWNSHIP** 22 **NORTH**, **RANGE** 6 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SW quadrant of the intersection of SR 37 and CR 1500 N. The point is 50' W of the centerline of SR 37 and 72' S of CR 1500 N. INDOT sign marking the location. Set 6" above the ground on concrete post.

DATE OBSERVED: 10 **DAY**, 04 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 230.529 **METERS:** 756.33 **US SURVEY FEET**
ORTHO HEIGHT: 264.729 **METERS:** 868.53 **US SURVEY FEET**
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 563128.706 **METERS:** 1847531.42960 **US SURVEY FEET**
EASTING: 89873.335 **METERS:** 294859.4332 **US SURVEY FEET**

LATITUDE: 40° 19' 14.37888"
WEST LONGITUDE: 85° 47' 8.94323"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: DC-25

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "DC-25 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Duck Creek

SECTION 16, **TOWNSHIP** 22 **NORTH**, **RANGE** 6 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SW quadrant of the intersection of SR 13 & CR 1800 N. This point is approximately 43' W of the centerline of SR 13 & approximately 59' S of the centerline of CR 1800 N. The point is also 6.3' SE of the SE corner of the concrete base of the Harmony Christian Church sign.

DATE OBSERVED: 20 **DAY**, 05 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 230.916 **METERS:** 757.60 **US SURVEY FEET**

ORTHO HEIGHT: 265.189 **METERS:** 870.04 **US SURVEY FEET**
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 567937.174 **METERS:** 1863307.2117 **US SURVEY FEET**

EASTING: 84995.302 **METERS:** 278855.4200 **US SURVEY FEET**

LATITUDE: 40° 21' 50.01169"

WEST LONGITUDE: 85° 50' 35.97170"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: DC-30

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "DC-30 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Duck Creek

SECTION 28, **TOWNSHIP** 22 **NORTH**, **RANGE** 6 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the NW quadrant of the intersection of SR 13 & CR 1500 N. This point is approximately 34' N of the centerline CR 1500 N. And 45' W. Of the centerline of St. Rd. #13 The point is also 13' S of a R/W marker and 87' N of a R/W marker.

DATE OBSERVED: 22 **DAY**, 12 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 230.253 **METERS:** 755.42 **US SURVEY FEET**

ORTHO HEIGHT: 264.505 **METERS:** 867.80 **US SURVEY FEET**

(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 563115.633 **METERS:** 1847488.5393 **US SURVEY FEET**

EASTING: 85045.395 **METERS:** 2790197.7667 **US SURVEY FEET**

LATITUDE: 40° 19' 13.69419"

WEST LONGITUDE: 85° 50' 33.44226"

RECOVERY NOTES: _____

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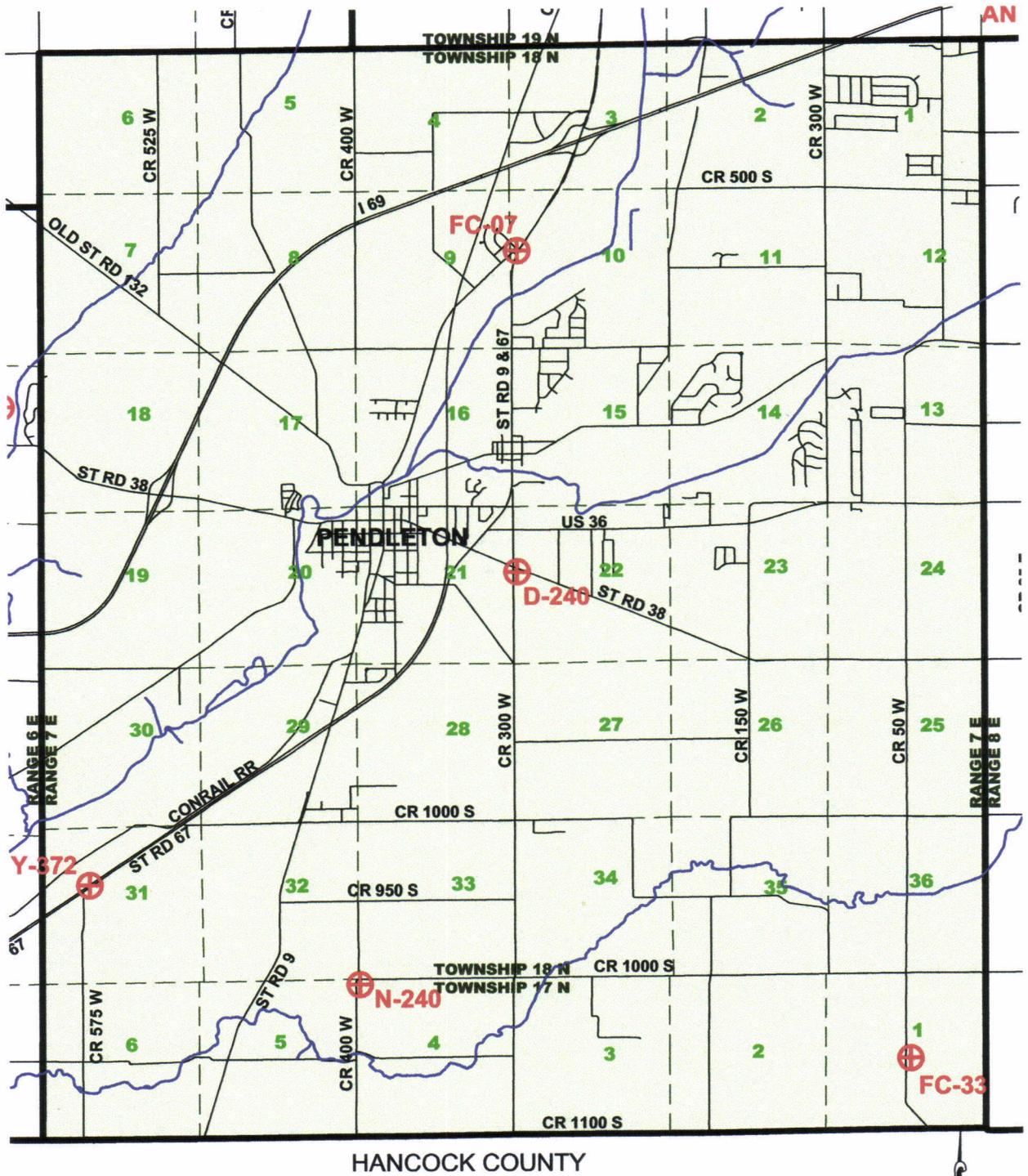
revised 2-2-2005

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STATE PLANE CONTROL KEY MAP

FALL CREEK TOWNSHIP

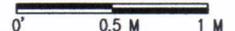
MADISON COUNTY, IN



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SCALE: 1" = 1 MILE

**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: D - 240
TYPE OF MONUMENT: Brass disc in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Fall Creek
SECTION 22, **TOWNSHIP** 18 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SE quadrant of the intersection of SR 38 & CR 200 W. This crossroad is approximately 1/8 mile E of Pendleton High School in Pendleton, IN. This point is approximately 29' SW of the centerline of SR 38 and approximately 36' E of the centerline of CR 200 W. Brass disc is appoximaetly level with SR 38. Disc identification is difficult to read; identification from USGS map.

DATE OBSERVED: 17 **DAY**, 09 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 233.447 **METERS:** 765.90 **US SURVEY FEET**
ORTHO HEIGHT: 267.398 **METERS:** 877.29 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 527292.032 **METERS:** 1729957.2750 **US SURVEY FEET**
EASTING: 94603.300 **METERS:** 310377.6600 **US SURVEY FEET**

LATITUDE: 39° 59' 52.62309"
WEST LONGITUDE: 85° 43' 47.51271"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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MADISON COUNTY STATE PLANE COORDINATE CONTROL NETWORK

CONTROL MONUMENT DESIGNATION: FC-07

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "FC-07 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Fall Creek

SECTION 7, TOWNSHIP 18 NORTH, RANGE 7 EAST

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located 46.5' W of the centerline of SR 9 & 328' N of the centerline of old Pendleton Avenue. It is also located 84.5' E of the centerline of Warwick Way.

DATE OBSERVED: 2 DAY, 11 MONTH, 2004 YEAR

ELLIPSOID HEIGHT: 233.847 METERS: 767.21 US SURVEY FEET
ORTHO HEIGHT: 267.826 METERS: 878.69 US SURVEY FEET
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 530637.083 METERS: 1740931.8298 US SURVEY FEET

EASTING: 94680.269 METERS: 310630.18254 US SURVEY FEET

LATITUDE: 40° 01' 41.08246"

WEST LONGITUDE: 85° 43' 44.36650"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: FC-33

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "FC-33 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Fall Creek

SECTION 1, **TOWNSHIP** 17 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located on the E side of CR 50 W & approximately .6 mile S of the intersection of CR 50 W & CR 1000 S. This point is approximately 13.2' E of the centerline of CR 50 W and 30.2' E of power pole 812 5050.

DATE OBSERVED: 03 **DAY**, 11 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 251.713 **METERS:** 825.83 **US SURVEY FEET**

ORTHO HEIGHT: 285.681 **METERS:** 937.27 **US SURVEY FEET**

(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 522155.339 **METERS:** 1713104.6414 **US SURVEY FEET**

EASTING: 98625.423 **METERS:** 323573.5753 **US SURVEY FEET**

LATITUDE: 39° 57' 6.13134"

WEST LONGITUDE: 85° 40' 57.91003"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: N-240
TYPE OF MONUMENT: Brass disc set in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Fall Creek
SECTION 4 , **TOWNSHIP** 17 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SW quadrant of the intersection of CR 1000 S & CR 300 W.
This point is approximately 22.5' S of the centerline of CR 1000 S and approximately 25' W
of the centerline of CR 300 W. Brass disc approximately 4" below the surface of CR 300
W.

DATE OBSERVED: 16 **DAY**, 12 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 236.947 **METERS:** 777.38 **US SURVEY FEET**
ORTHO HEIGHT: 270.903 **METERS:** 888.79 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 523045.582 **METERS:** 1716025.3628 **US SURVEY FEET**
EASTING: 94580.923 **METERS:** 310304.2417 **US SURVEY FEET**

LATITUDE: 39° 57' 34.93781"
WEST LONGITUDE: 85° 43' 48.32873"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: Y-372
TYPE OF MONUMENT: NGS 1/2" stainless steel rod set to refusal.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Fall Creek
SECTION 31, **TOWNSHIP** 18 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

The point is located along SR 67 about 1.0 mile E of Ingalls, IN. This point is approximately 35' N of the centerline of SR 67 and approximately 145' E of the centerline of CR 575 W where CR 575 W tees into SR 67. This point is approximately 50' S of railroad marker number 259. Located inside 6" PVC pipe with access cover. This point has a fiberglass survey marker sign next to it.

DATE OBSERVED: 16 **DAY**, 12 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 228.364 **METERS:** 749.22 **US SURVEY FEET**
ORTHO HEIGHT: 262.323 **METERS:** 860.64 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 523991.283 **METERS:** 1719128.0676 **US SURVEY FEET**
EASTING: 90183.537 **METERS:** 295877.1543 **US SURVEY FEET**

LATITUDE: 39° 58' 5.45829"
WEST LONGITUDE: 85° 46' 53.66031"

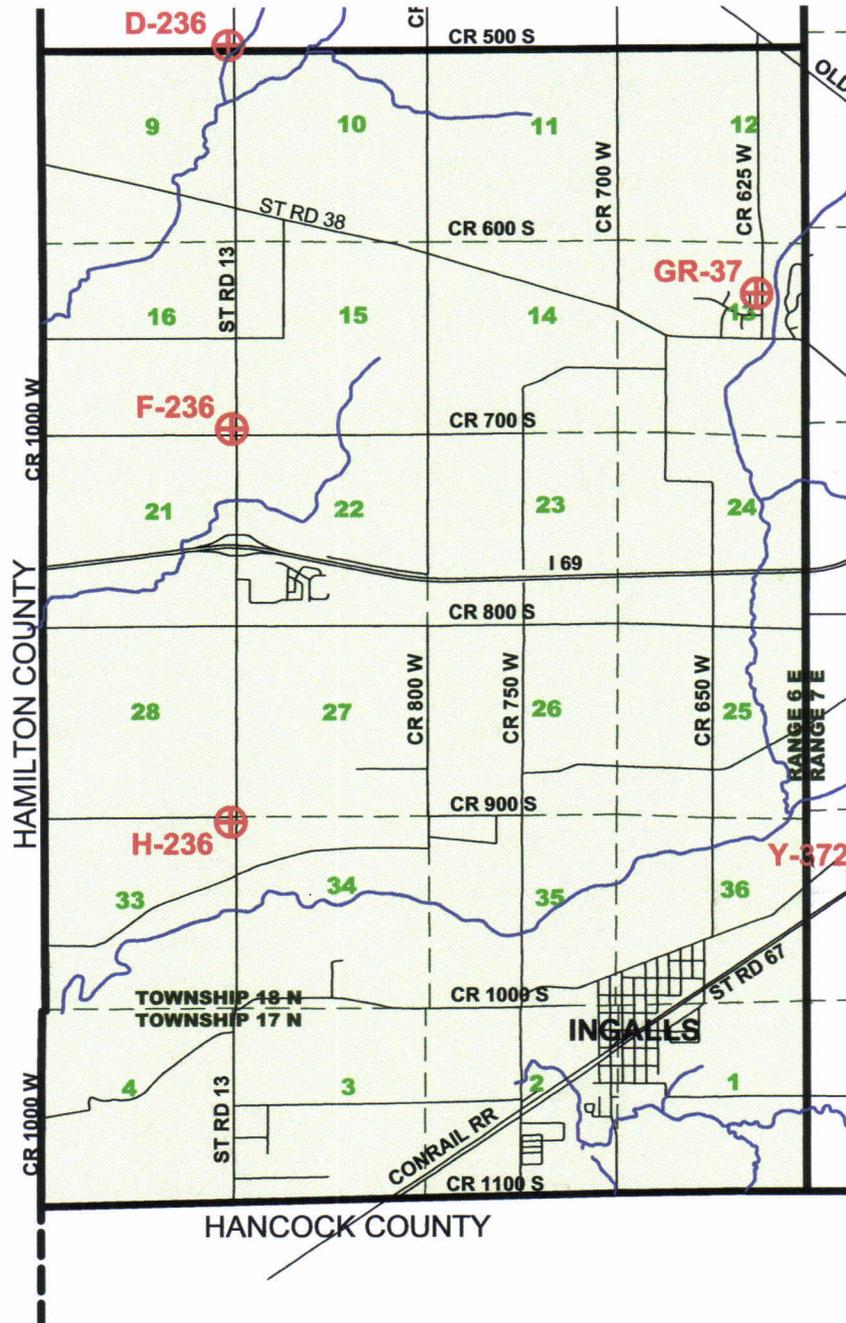
RECOVERY NOTES: _____

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Solution report based upon OPUS/NGS
revised 2-2-2005
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STATE PLANE CONTROL KEY MAP

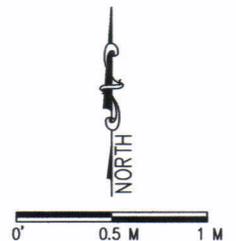
GREEN TOWNSHIP

MADISON COUNTY, IN



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SCALE: 1" = 1 MILE

**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: F-236
TYPE OF MONUMENT: Brass disc in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Green
SECTION 16, **TOWNSHIP** 18 **NORTH**, **RANGE** 6 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the NW quadrant of the intersection of SR 13 & CR 700 S. This point is approximately 28.5' W of the centerline of SR 13 & 49' N of the centerline of CR 700 S. This post has a survey marker sign on a T-post next to it. Brass disc approximately 16" below the surface of SR 13. Disc identification is difficult to read; identification from USGS map.

DATE OBSERVED: 26 **DAY**, 09 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 228.670 **METERS:** 750.23 **US SURVEY FEET**
ORTHO HEIGHT: 262.647 **METERS:** 861.70 **US SURVEY FEET (GEOID 99 NAVD 88)**

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 527807.303 **METERS:** 1731647.7933 **US SURVEY FEET**
EASTING: 84920.868 **METERS:** 278611.2144 **US SURVEY FEET**

LATITUDE: 40° 00' 08.90761"
WEST LONGITUDE: 85° 50' 35.74395"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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MADISON COUNTY STATE PLANE COORDINATE CONTROL NETWORK

CONTROL MONUMENT DESIGNATION: GR-37

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "GR-37 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Green

SECTION 13, TOWNSHIP 18 NORTH, RANGE 6 EAST

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located on the W side of CR 625 W & approximately one-eighth of a mile N of Jefferson Place. This point is approximately 41' W of the centerline of CR 625 W and N of bridge. It is 34.8' NW from power pole AES 8381.

DATE OBSERVED: 21 DAY, 12 MONTH, 2004 YEAR

ELLIPSOID HEIGHT: 230.118 METERS: 754.98 US SURVEY FEET

ORTHO HEIGHT: 264.113 METERS: 866.51 US SURVEY FEET

(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 529186.668 METERS: 1736173.2598 US SURVEY FEET

EASTING: 89356.275 METERS: 293163.0455 US SURVEY FEET

LATITUDE: 40° 00' 53.87417"

WEST LONGITUDE: 85° 47' 28.82679"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: H - 236
TYPE OF MONUMENT: Brass disc in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Green
SECTION 33, **TOWNSHIP** 18 **NORTH**, **RANGE** 6 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SW quadrant of the intersection of SR 13 and where CR 900 S tees into SR 13. This point is approximately 31' S of the centerline of CR 900 S & approximately 30' W of the centerline of SR 13. This point has a survey marker sign mounted on a T-post next to it.

DATE OBSERVED: 26 **DAY**, 09 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 228.147 **METERS:** 748.51 **US SURVEY FEET**
ORTHO HEIGHT: 262.117 **METERS:** 859.96 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 524547.323 **METERS:** 1720952.3422 **US SURVEY FEET**
EASTING: 84910.160 **METERS:** 278576.0833 **US SURVEY FEET**

LATITUDE: 39° 58' 23.20760"
WEST LONGITUDE: 85° 50' 35.92309"

RECOVERY NOTES: _____

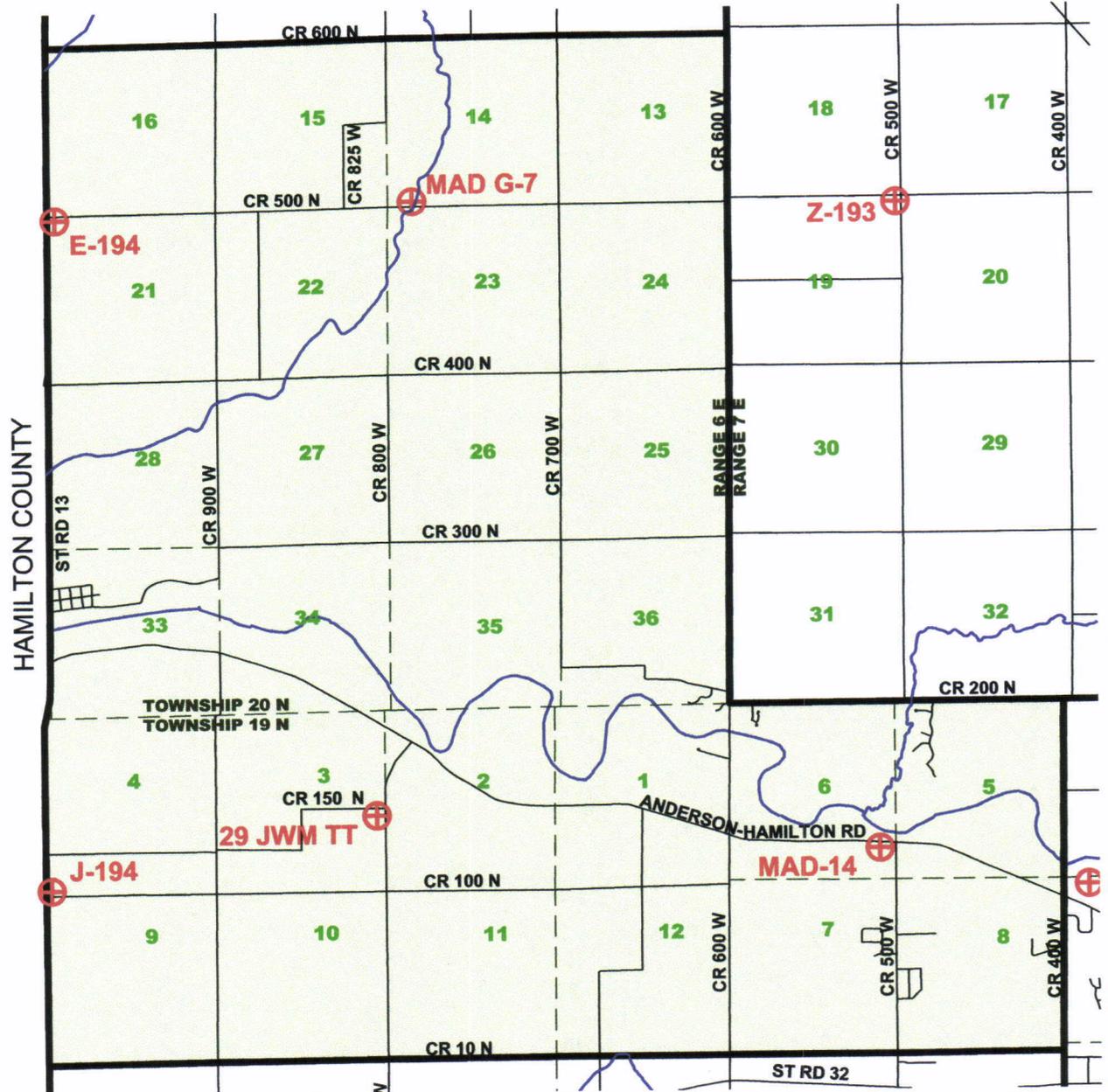
Solution report based upon OPUS/NGS
revised 2-2-2005

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STATE PLANE CONTROL KEY MAP

JACKSON TOWNSHIP

MADISON COUNTY, IN



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rse@netdirect.net



0' 0.5 M 1 M

SCALE: 1" = 1 MILE

**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: E-194
TYPE OF MONUMENT: Brass disc set in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Jackson
SECTION 21, **TOWNSHIP** 20 **NORTH**, **RANGE** 6 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SE quadrant of the intersection of SR 13/37 and CR 500 N. This point is approximately 26' S of the centerline of CR 500 N and approximately 61' E of the centerline of SR 13/37.

DATE OBSERVED: 8 **DAY**, 12 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 219.666 **METERS:** 720.69 **US SURVEY FEET**
ORTHO HEIGHT: 253.813 **METERS:** 832.72 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 547257.174 **METERS:** 1795459.5784 **US SURVEY FEET**
EASTING: 83316.394 **METERS:** 273347.2026 **US SURVEY FEET**

LATITUDE: 40° 10' 39.41645"
WEST LONGITUDE: 85° 51' 45.19452"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: J-194
TYPE OF MONUMENT: Brass disc in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Jackson
SECTION 4, **TOWNSHIP** 19 **NORTH**, **RANGE** 6 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the NE quadrant of the intersection of SR 13 and CR 100 N. This point is approximately 29' N of the centerline of CR 100 N and approximately 31' E of the centerline of SR 13. This point has a orange fiberglass survey marker post placed by the Hamilton County Surveyor's Office next to it.

DATE OBSERVED: 05 **DAY**, 11 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 218.627 **METERS:** 717.28 **US SURVEY FEET**
ORTHO HEIGHT: 252.710 **METERS:** 829.10 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 540703.777 **METERS:** 1773958.9750 **US SURVEY FEET**
EASTING: 83235.809 **METERS:** 273082.8167 **US SURVEY FEET**

LATITUDE: 40° 7' 6.93397"
WEST LONGITUDE: 85° 51' 47.98767"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: MAD 14

TYPE OF MONUMENT: Brass disc is set in concrete headwall

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Jackson

SECTION 6, **TOWNSHIP** 19 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SW quadrant of the intersection of CR 500 West and West 8th St RD. This point is approximately 190' W of the centerline of CR 500 W & approximately 18' S of W 8th St RD. The point is set in the W end of the headwall and about level with the surface of W 8th St RD.

DATE OBSERVED: 11 **DAY**, 12 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 219.394 **METERS:** 719.80 **US SURVEY FEET**

ORTHO HEIGHT: 253.427 **METERS:** 831.45 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 541146.696 **METERS:** 1775412.1184 **US SURVEY FEET**

EASTING: 91327.288 **METERS:** 299629.6107 **US SURVEY FEET**

LATITUDE: 40° 7' 21.73480"

WEST LONGITUDE: 85° 46' 6.28935"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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MADISON COUNTY STATE PLANE COORDINATE CONTROL NETWORK

CONTROL MONUMENT DESIGNATION: MAD G-7
TYPE OF MONUMENT: Brass disc set in concrete
CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Jackson
SECTION 14, TOWNSHIP 20 NORTH, RANGE 6 EAST

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:
This point is located 17' N of the centerline of CR 500 N on Madison County Bridge No. 69.
Disc is mounted in the northwest corner of the concrete bridge support approximately 2' W
of the N concrete retaining wall and is about level with the surface of CR 500.

DATE OBSERVED: 8 DAY, 12 MONTH, 2003 YEAR

ELLIPSOID HEIGHT: 213.686 METERS: 701.071 US SURVEY FEET
ORTHO HEIGHT: 247.809 METERS: 813.02 US SURVEY FEET
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 547325.923 METERS: 1795685.1324 US SURVEY FEET
EASTING: 86797.429 METERS: 284767.8983 US SURVEY FEET

LATITUDE: 40° 10' 41.86843"
WEST LONGITUDE: 85° 49' 18.06129"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: TT 29 JWM
TYPE OF MONUMENT: Brass disc set in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Jackson
SECTION 3, **TOWNSHIP** 19 **NORTH**, **RANGE** 6 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SW quadrant of CR 150 N and CR 800 W, it is approximately 17' S of the centerline of CR 150 N and approximately 17' W of the centerline of CR 800 W. This point has a survey marker sign mounted on a T-post next to it.

DATE OBSERVED: 11 **DAY**, 12 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 219.855 **METERS:** 721.31 **US SURVEY FEET**
ORTHO HEIGHT: 253.927 **METERS:** 833.09 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 541522.512 **METERS:** 1776645.1081 **US SURVEY FEET**
EASTING: 86482.457 **METERS:** 283734.5277 **US SURVEY FEET**

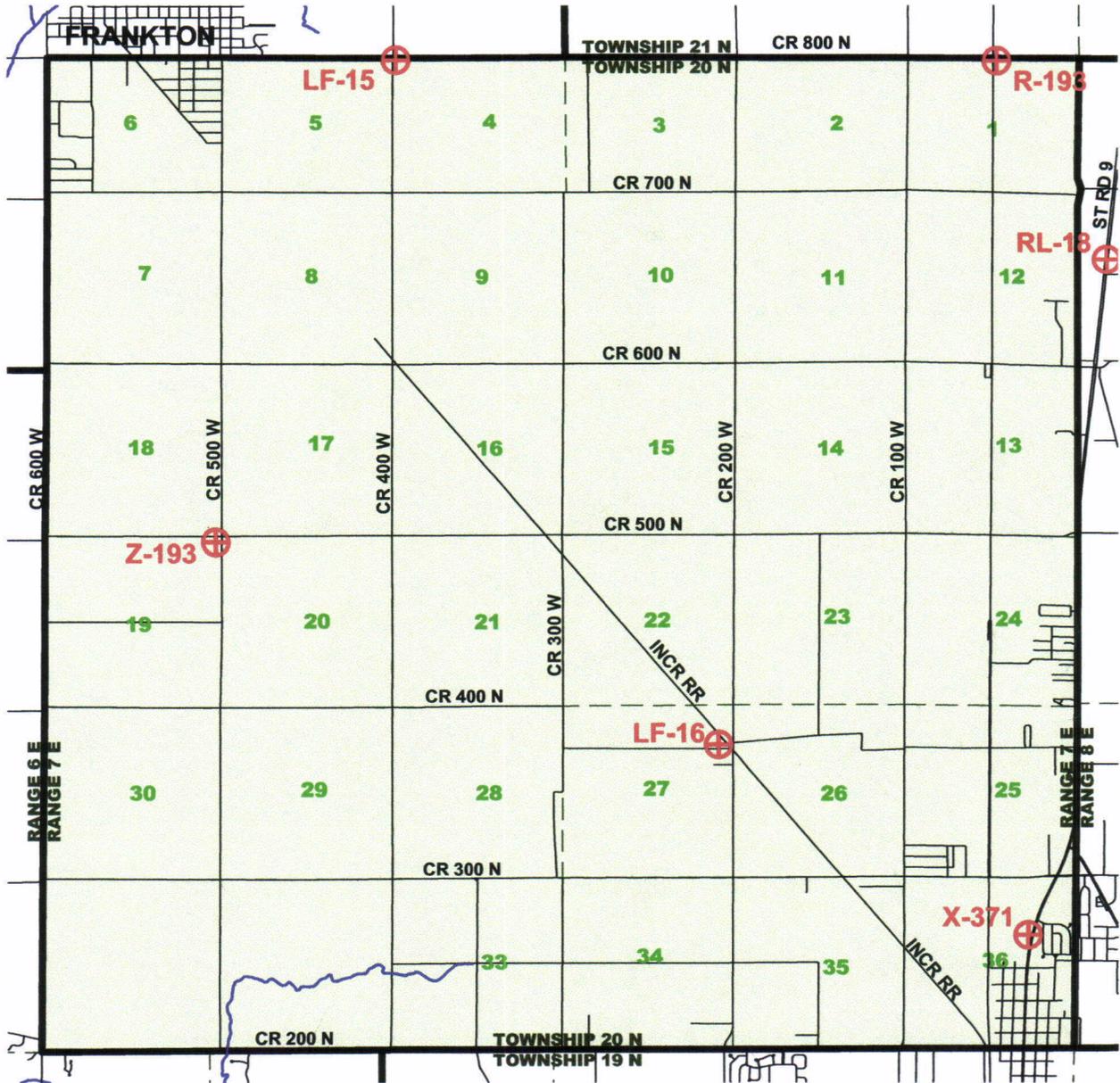
LATITUDE: 40° 7' 33.68975"
WEST LONGITUDE: 85° 49' 30.93701"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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STATE PLANE CONTROL KEY MAP

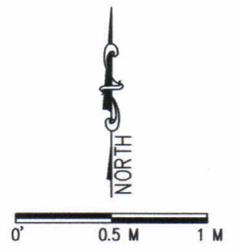
LAFAYETTE TOWNSHIP MADISON COUNTY, IN



PREPARED BY

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fax: (765) 643-1874
rse@netdirect.net



SCALE: 1" = 1 MILE

MADISON COUNTY STATE PLANE COORDINATE CONTROL NETWORK

CONTROL MONUMENT DESIGNATION: LF-15
TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "LF-15 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Lafayette
SECTION 4, TOWNSHIP 20 NORTH, RANGE 7 EAST

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SE quadrant of the intersection of SR 128 and CR 400 W. This point is approximately 71' S of the centerline of SR 128 and 18' E of the centerline of CR 400 W. The point is approximately 2.5' E of a concrete highway R/W marker.

DATE OBSERVED: 28 DAY, 05 MONTH, 2004 YEAR

ELLIPSOID HEIGHT: 231.603 METERS: 759.85 US SURVEY FEET
ORTHO HEIGHT: 265.736 METERS: 871.84 US SURVEY FEET
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 551884.029 METERS: 1810639.5185 US SURVEY FEET
EASTING: 93125.460 METERS: 305529.1133 US SURVEY FEET

LATITUDE: 40° 13' 09.92478"
WEST LONGITUDE: 85° 44' 50.75656"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: LF-16
TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "LF-16 Madison
County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Lafayette
SECTION 27, **TOWNSHIP** 20 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located NW quadrant of the intersection of Co. Rd. 200 W and Co. Rd. 375 N.
This point is approximately 105' W of the centerline of Co. Rd. 200 W and approximately
23.5' N of Co. Rd. 375 N. This point is approximately 9.5' N of a gas pipe line marker. This
point is approximately 25.15' from the inside of the W rail of the Indian Creek railroad.

DATE OBSERVED: 27 **DAY**, 7 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 235.828 **METERS:** 773.71 **US SURVEY FEET**
ORTHO HEIGHT: 269.880 **METERS:** 885.43 **US SURVEY FEET**
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 545365.687 **METERS:** 1789253.9248 **US SURVEY FEET**
EASTING: 96290.120 **METERS:** 315911.8354 **US SURVEY**
FEET

LATITUDE: 40° 9' 38.65688"
WEST LONGITUDE: 85° 42' 36.77305"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: R-193

TYPE OF MONUMENT: Brass disc set in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Lafayette

SECTION 1, **TOWNSHIP** 20 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SE quadrant of SR 128 and the Conrail RR crossing. The point is 47' E of the E rail of the track and 44' S of the center line of SR 128. The point is set in the top of a concrete post.

DATE OBSERVED: 14 **DAY**, 1 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 235.362 **METERS:** 772.18 **US SURVEY FEET**

ORTHO HEIGHT: 269.429 **METERS:** 883.95 **US SURVEY FEET**

(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 551878.592 **METERS:** 1810621.6805 **US SURVEY FEET**

EASTING: 98793.952 **METERS:** 324126.4908 **US SURVEY FEET**

LATITUDE: 40° 13' 09.84680"

WEST LONGITUDE: 85° 40' 51.00943"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: Z-193
TYPE OF MONUMENT: Brass disc set in concrete
CONTROL MONUMENT LOCATION: _____

POLITICAL TOWNSHIP Lafayette
SECTION 19, **TOWNSHIP** 20 **NORTH**, **RANGE** 6 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SW quadrant of the intersection of CR 500 N & CR 500 W. This point is approximately 21' S of the centerline of CR 500 N & approximately 25' W of CR 500 W.

DATE OBSERVED: 8 **DAY**, 12 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 230.978 **METERS:** 757.80 **US SURVEY FEET**
ORTHO HEIGHT: 265.059 **METERS:** 869.61 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 547367.380 **METERS:** 1795821.1459 **US SURVEY FEET**
EASTING: 91498.526 **METERS:** 300191.4141 **US SURVEY FEET**

LATITUDE: 40° 10' 43.43123"
WEST LONGITUDE: 85° 45' 59.35231"

RECOVERY NOTES: _____

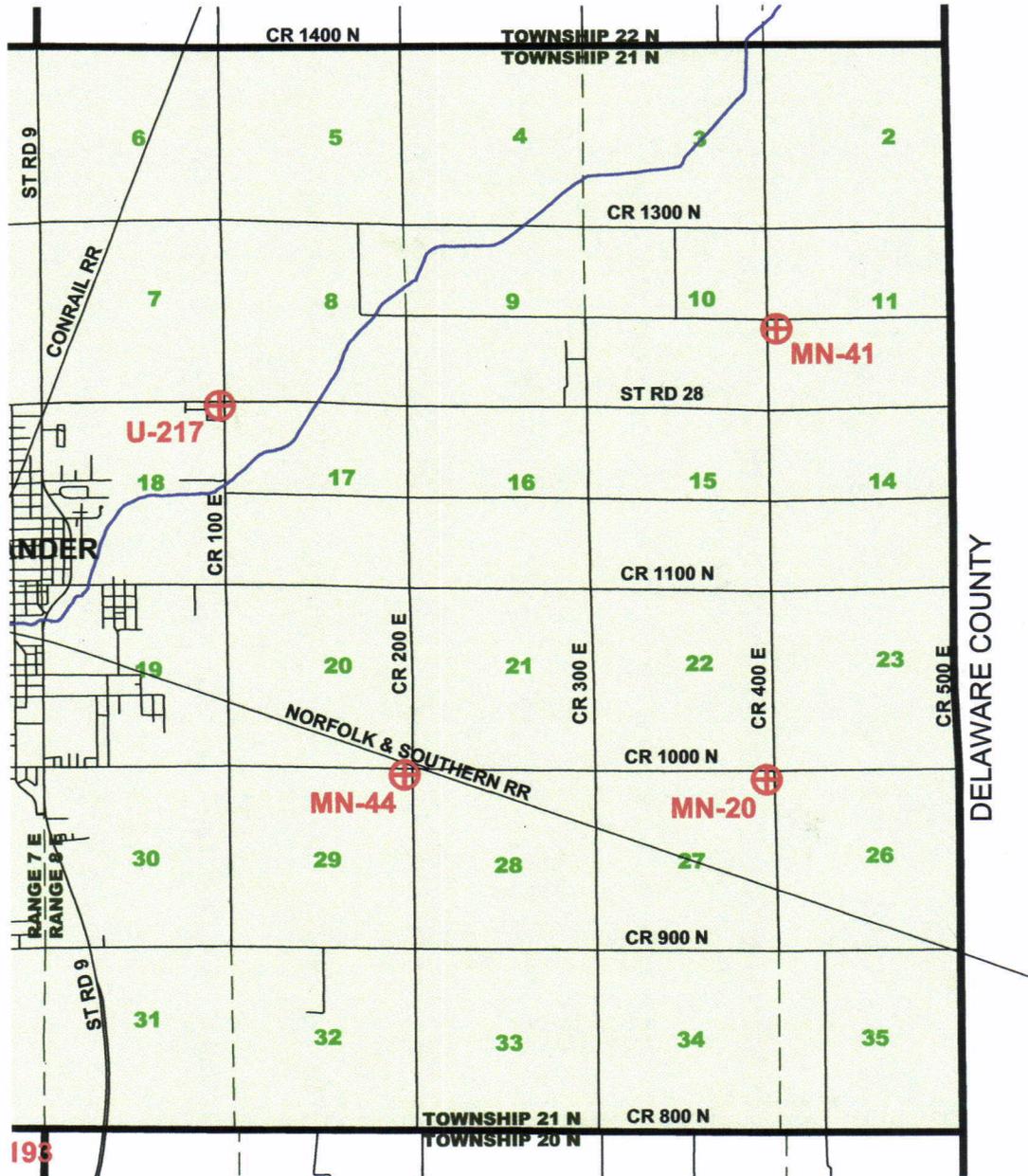
Solution report based upon OPUS/NGS
revised 2-2-2005

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STATE PLANE CONTROL KEY MAP

MONROE (EAST) TOWNSHIP

MADISON COUNTY, IN



PREPARED BY

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rse@netdirect.net



0' 0.5 M 1 M

SCALE: 1" = 1 MILE

**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: MN-20
TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "MN-20 Madison
County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Monroe
SECTION 27 , **TOWNSHIP** 21 **NORTH**, **RANGE** 8 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:
 This point is located in the SW quadrant of the intersection of CR 400 E & CR 1000 N. The
point is 27' W of the centerline of CR 400 E and 35' S of CR 1000 N. It is also 58' SW of a
RR spike at the centerlines of the intersection of CR 400 E and CR 1000 N.

DATE OBSERVED: 10 **DAY**, 11 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 242.507 **METERS:** 795.62 **US SURVEY FEET**
ORTHO HEIGHT: 276.505 **METERS:** 907.17 **US SURVEY FEET**
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 555053.353 **METERS:** 1821037.5423 **US SURVEY FEET**

EASTING: 106076.812 **METERS:** 348020.3407 **US SURVEY FEET**

LATITUDE: 40° 14' 52.70296"

WEST LONGITUDE: 85° 35' 42.87515"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: MN-41

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "MN-41 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Boone

SECTION 11, **TOWNSHIP** 21 **NORTH**, **RANGE** 8 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SE quadrant of the intersection of CR 400 E & CR 1250 N. The point is 21' E of the centerline of CR 400 E and 22' S of the centerline of 1250 N. It is also 54.5' SE of a power pole #MA 3257

DATE OBSERVED: 27 **DAY**, 12 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 235.020 **METERS:** 771.0614 **US SURVEY FEET**

ORTHO HEIGHT: 269.037 **METERS:** 882.6656 **US SURVEY FEET**

(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 559081.104 **METERS:** 1834251.9219 **US SURVEY FEET**

EASTING: 106040.802 **METERS:** 347902.1979 **US SURVEY FEET**

LATITUDE: 40° 17' 3.29116"

WEST LONGITUDE: 85° 35' 44.26225"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: MN-44

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "MN-44 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Monroe

SECTION 29 , **TOWNSHIP** 21 **NORTH**, **RANGE** 8 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

 This point is located in the SW quadrant of the intersection of CR 200 E & CR 1000 N. The point is 19' S of the centerline of CR 1000 N and 23' W of the centerline of 200 E.

DATE OBSERVED: 13 **DAY**, 11 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 236.659 **METERS:** 776.44 **US SURVEY FEET**

ORTHO HEIGHT: 270.692 **METERS:** 888.10 **US SURVEY FEET**

(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 555087.878 **METERS:** 1821150.8131 **US SURVEY FEET**

EASTING: 102863.643 **METERS:** 337478.4687 **US SURVEY FEET**

LATITUDE: 40° 14' 53.88404"

WEST LONGITUDE: 85° 37' 58.83162"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS

revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: U - 217
TYPE OF MONUMENT: Brass disc in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Monroe
SECTION 18, **TOWNSHIP** 21 **NORTH**, **RANGE** 8 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SW quadrant of the intersection of SR 28 & CR 100 E. The point is 32' S of the centerline of SR28 & 28' W of CR 100 E. This point also next to a yellow gas pipe line marker and is 12" above the ground.

DATE OBSERVED: 18 **DAY**, 09 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 237.713 **METERS:** 779.90 **US SURVEY FEET**
ORTHO HEIGHT: 271.734 **METERS:** 891.51 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 558361.388 **METERS:** 1831890.6538 **US SURVEY FEET**
EASTING: 101202.516 **METERS:** 332028.5879 **US SURVEY FEET**

LATITUDE: 40° 16' 40.03204"
WEST LONGITUDE: 85° 39' 9.09625"

RECOVERY NOTES: _____

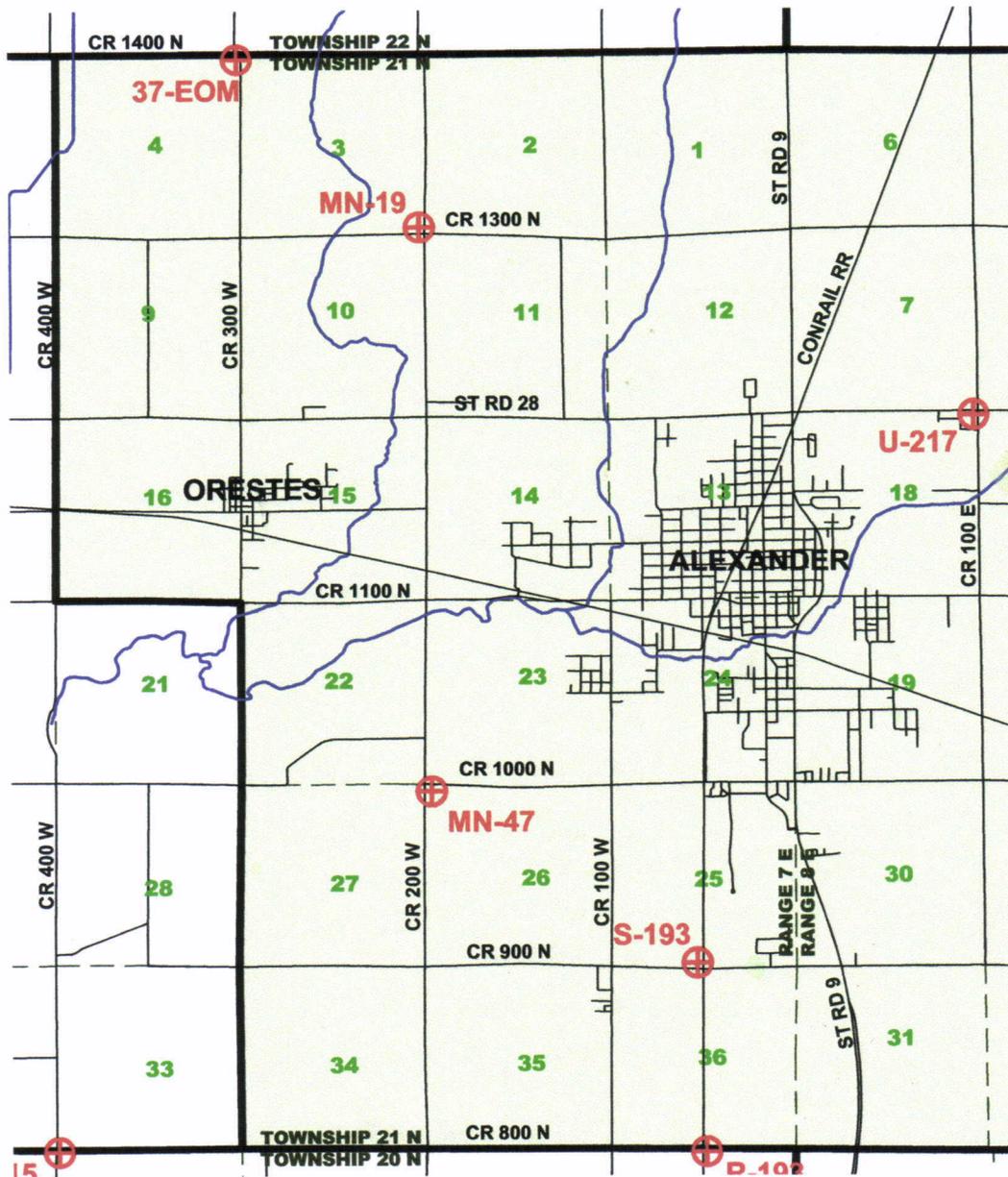
Solution report based upon OPUS/NGS
revised 2-2-2005

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STATE PLANE CONTROL KEY MAP

MONROE (WEST) TOWNSHIP

MADISON COUNTY, IN



PREPARED BY

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fax (765) 643-1874
rse@netdirect.net



0' 0.5 M 1 M

SCALE: 1" = 1 MILE

**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: 37-EOM
TYPE OF MONUMENT: Brass disc in concrete (Note: Concrete post is leaning 30 degrees to the E)

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Monroe
SECTION 4, **TOWNSHIP** 21 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located approximately 92' W of the centerline of CR 300 W at the junction of CR 1400 N (when traveling N) and 8' S of the edge of CR 1400 N.

DATE OBSERVED: 24 **DAY**, 09 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 232.327 **METERS:** 762.23 **US SURVEY FEET**
ORTHO HEIGHT: 266.426 **METERS:** 874.10 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 561538.732 **METERS:** 1842314.9899 **US SURVEY FEET**
EASTING: 94757.653 **METERS:** 310884.0665 **US SURVEY FEET**

LATITUDE: 40°18' 22.99105"

WEST LONGITUDE: 85°43' 42.00755"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: MN-19

_TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "MN-19 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Monroe

SECTION 3 , **TOWNSHIP** 21 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

 This point is located in the NW quadrant of the intersection of CR 200 W & CR 1300 N.

 The point is 26' N of the centerline of CR 1300 N and 39.5' W. Of the centerline of 200 W.

DATE OBSERVED: 27 **DAY**, 12 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 227.542 **METERS:** 746.53 **US SURVEY FEET**

ORTHO HEIGHT: 261.663 **METERS:** 858.47 **US SURVEY FEET**

(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 559959.233 **METERS:** 1837132.9168 **US SURVEY FEET**

EASTING: 96370.328 **METERS:** 316174.9844 **US SURVEY FEET**

LATITUDE: 40° 17' 31.81179"

WEST LONGITUDE: 85° 42' 33.68036"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS

revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: MN-47

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "MN-47 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Monroe

SECTION 26, **TOWNSHIP** 21 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SE quadrant of the intersection of CR 1000 N & where it tees with CR 200 W. The point is 27.0' S of the centerline of CR 1000 N and 17.0' E of the centerline of CR 200 W.

DATE OBSERVED: 03 **DAY**, 12 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 234.399 **METERS:** 769.02 **US SURVEY FEET**

ORTHO HEIGHT: 268.509 **METERS:** 880.93 **US SURVEY FEET**
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 555109.708 **METERS:** 1821222.4337 **US SURVEY FEET**

EASTING: 96363.213 **METERS:** 316151.6413 **US SURVEY FEET**

LATITUDE: 40° 14' 54.58102"

WEST LONGITUDE: 85° 42' 33.88257"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: S-193
TYPE OF MONUMENT: Brass disc set in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Monroe
SECTION 25, **TOWNSHIP** 21 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located approximately 1 mile W of SR 9 on CR 900 N. The point 26' N of the centerline of CR 900 N and 28' W of the W rail of the railroad tracks.

DATE OBSERVED: 15 **DAY**, 10 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 235.939 **METERS:** 774.08 **US SURVEY FEET**
ORTHO HEIGHT: 269.974 **METERS:** 885.74 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 553486.999 **METERS:** 1815898.5959 **US SURVEY FEET**
EASTING: 98778.186 **METERS:** 324074.7652 **US SURVEY FEET**

LATITUDE: 40° 14' 1.99469"
WEST LONGITUDE: 85° 40' 51.68722"

RECOVERY NOTES: _____

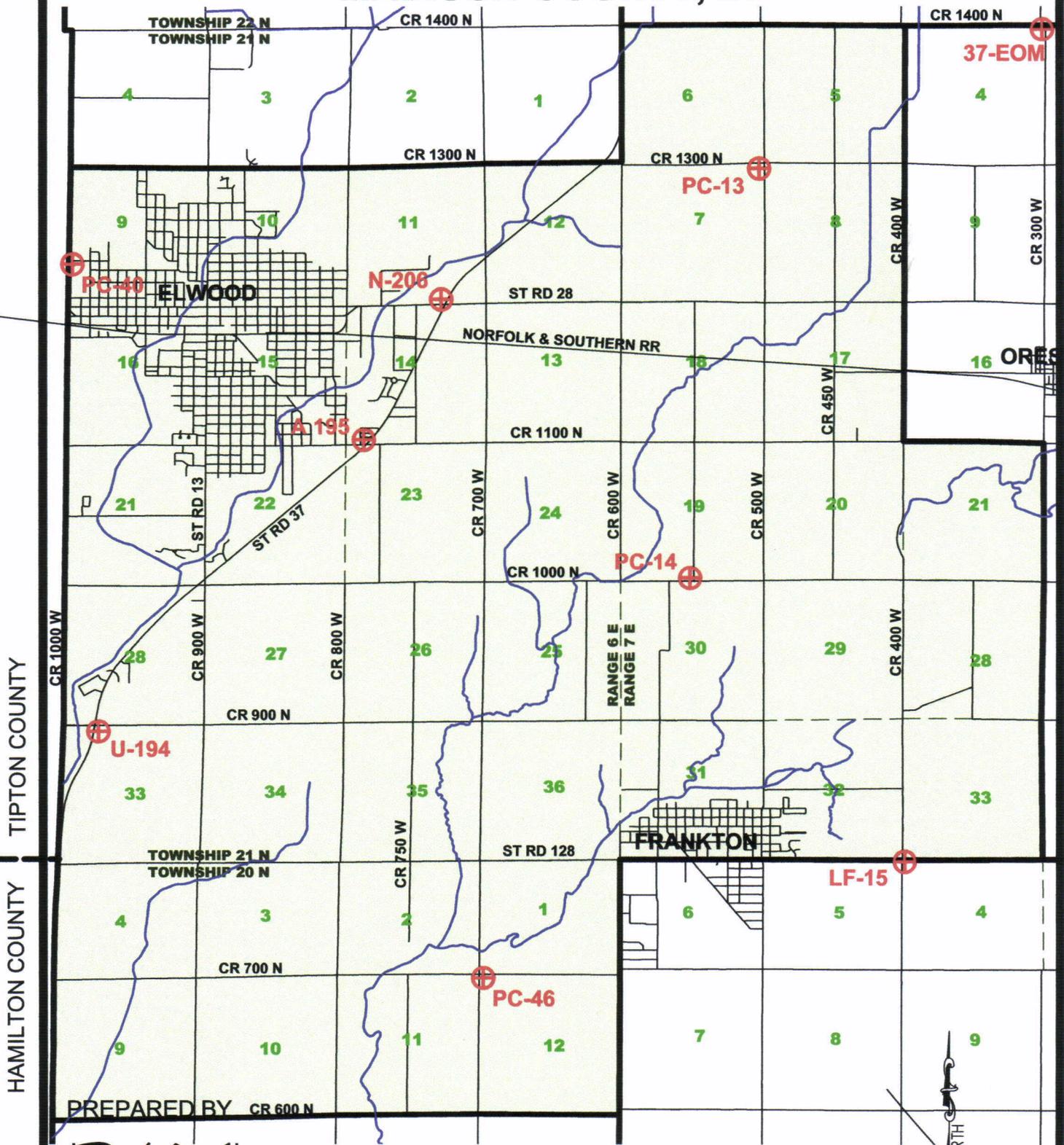
Solution report based upon OPUS/NGS
revised 2-2-2005

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STATE PLANE CONTROL KEY MAP

PIPE CREEK TOWNSHIP

MADISON COUNTY, IN

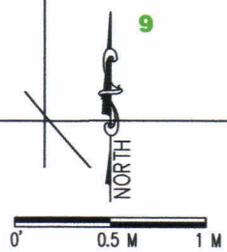


HAMILTON COUNTY
TIPTON COUNTY

PREPARED BY CR 600 N

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fax: (765) 643-1874
rse@netdirect.net



SCALE: 1" = 1 MILE

**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: A-195
TYPE OF MONUMENT: Brass disc set in concrete.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Pipe Creek
SECTION 14, **TOWNSHIP** 21 **NORTH**, **RANGE** 6 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the NW quadrant of the intersection of SR37 and CR 1100 N (P Street). The point is 106' N of the centerline of CR 1100 N & 50' NW of the centerline of SR37. The point is 38.50' NE of a fire hydrant, 42.70' NE of steel strain pole, and 14.0' NE of a concrete R/W marker. Point is located at the SE corner of Southwood Trailer Park.

DATE OBSERVED: 24 **DAY**, 3 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 230.486 **METERS:** 756.19 **US SURVEY FEET**
ORTHO HEIGHT: 264.699 **METERS:** 868.44 **US SURVEY FEET**
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 556716.088 **METERS:** 1826492.6987 **US SURVEY FEET**
EASTING: 86933.157 **METERS:** 285213.1993 **US SURVEY FEET**

LATITUDE: 40° 15' 46.32440"
WEST LONGITUDE: 85° 49' 13.01137"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: N-206
TYPE OF MONUMENT: Brass disc set in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Pipe Creek Township
SECTION 11 , **TOWNSHIP** 21 **NORTH**, **RANGE** 6 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the NW quadrant of the intersection of SR 37 & SR 28. This point is 17.55' NE of a power pole numbered MA-26-114 & 8.20' N of the existing back of concrete curb on the N side of SR 28. This point is 155' W of the centerline of SR 37 & 37' N of SR 28. Brass disc attached to 4" dia steel encased concrete post approximately 0.8 above ground. A gas pipeline marker lies 1.0 E of point.

DATE OBSERVED: 01 **DAY**, 03 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 230.108 **METERS:** 754.95 **US SURVEY FEET**
ORTHO HEIGHT: 264.317 **METERS:** 867.18 **US SURVEY FEET**
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 558323.084 **METERS:** 1831764.9848 **US SURVEY FEET**
EASTING: 87804.632 **METERS:** 288072.3635 **US SURVEY FEET**

LATITUDE: 40° 16' 38.47337"
WEST LONGITUDE: 85° 48' 36.23917"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
L:\LPR2\Madison-Co\Documents\GPS_Control_Net\N-206.wpd

**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: PC-13

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "PC-13 Madison County State Plane Control" driven flush within the center of a concrete ring.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Pipe Creek

SECTION 7, **TOWNSHIP** 21 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SW quadrant of the intersection of CR 500 W & CR 1300 N.

This point is approximately 18' W of the centerline of CR 500 W & approximately 146' S of the centerline of CR 1300 N. The point is also 68.2' SE of the SE corner of the Shiloh Friends Church Building.

DATE OBSERVED: 20 **DAY**, 05 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 232.964 **METERS:** 764.32 **US SURVEY FEET**

ORTHO HEIGHT: 267.139 **METERS:** 876.44 **US SURVEY FEET**

(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 559901.659 **METERS:** 1836944.0262 **US SURVEY FEET**

EASTING: 91528.747 **METERS:** 300290.5641 **US SURVEY FEET**

LATITUDE: 40° 17' 29.81909"

WEST LONGITUDE: 85° 45' 58.66997"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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MADISON COUNTY STATE PLANE COORDINATE CONTROL NETWORK

CONTROL MONUMENT DESIGNATION: PC-14

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "PC-14 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Pike Creek

SECTION 19, TOWNSHIP 21 NORTH, RANGE 7 EAST

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the NW quadrant of the intersection of CR 550 W & where it tees with CR 1000 N. This point is 15' N of the centerline of CR 1000 N and 52' W of CR 550 W.

DATE OBSERVED: 21 DAY, 12 MONTH, 2004 YEAR

ELLIPSOID HEIGHT: 229.421 METERS: 752.69 US SURVEY FEET

ORTHO HEIGHT: 263.594 METERS: 864.81 US SURVEY FEET
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 555123.766 METERS: 1821268.5554 US SURVEY FEET

EASTING: 90699.613 METERS: 297570.3133 US SURVEY FEET

LATITUDE: 40° 14' 54.87938"

WEST LONGITUDE: 85° 46' 33.52568"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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MADISON COUNTY STATE PLANE COORDINATE CONTROL NETWORK

CONTROL MONUMENT DESIGNATION: PC-40

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "PC-40 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Pipe Creek

SECTION 9, TOWNSHIP 21 NORTH, RANGE 6 EAST

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SE quadrant of the intersection of CR 1000 W & where North E Street, Elwood, IN tees with CR 1000 W. This point is 19' S of the centerline of North E Street and 34' E of the centerline of 1000 W.

DATE OBSERVED: 22 DAY, 12 MONTH, 2005 YEAR

ELLIPSOID HEIGHT: 228.720 METERS: 750.39 US SURVEY FEET

ORTHO HEIGHT: 262.970 METERS: 862.76 US SURVEY FEET

(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 558807.321 METERS: 1833353.6856 US SURVEY FEET

EASTING: 83514.211 METERS: 273996.2072 US SURVEY FEET

LATITUDE: 40° 16' 53.90849"

WEST LONGITUDE: 85° 51' 37.89995"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS

revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: PC-46

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "PC-46 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Pipe Creek

SECTION 9, **TOWNSHIP** 21 **NORTH**, **RANGE** 6 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the NW quadrant of the intersection of CR 700 W & CR 700 N.

This point is approximately 40' W of the centerline of CR 700 W & 19' N of the centerline of CR 700 N.

DATE OBSERVED: 13 **DAY**, 11 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 219.626 **METERS:** 720.56 **US SURVEY FEET**

ORTHO HEIGHT: 253.801 **METERS:** 832.68 **US SURVEY FEET**

(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 550484.168 **METERS:** 1806374.8912 **US SURVEY FEET**

EASTING: 88230.707 **METERS:** 289470.2446 **US SURVEY FEET**

LATITUDE: 40° 12' 27.58467"

WEST LONGITUDE: 85° 48' 17.69251"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: U-194

TYPE OF MONUMENT: Brass disc set in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Pipe Creek

SECTION 33, **TOWNSHIP** 21 **NORTH**, **RANGE** 6 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is in the SE quadrant of the intersection of CR 900 N & SR 13/37. This point is located approximately 204' S of the centerline of CR 900 N & approximately 36' E of the centerline of SR 13/37. Brass disc located in the S end of the E headwall approximately 4.5' below the surface of SR 13/37.

DATE OBSERVED: 9 **DAY**, 12 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 222.220 **METERS:** 729.07 **US SURVEY FEET**

ORTHO HEIGHT: 256.405 **METERS:** 841.22 **US SURVEY FEET**

(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 553382.017 **METERS:** 1815554.1674 **US SURVEY FEET**

EASTING: 83794.078 **METERS:** 274914.4042 **US SURVEY FEET**

LATITUDE: 40° 13' 58.03019"

WEST LONGITUDE: 85° 51' 25.55896"

RECOVERY NOTES: _____

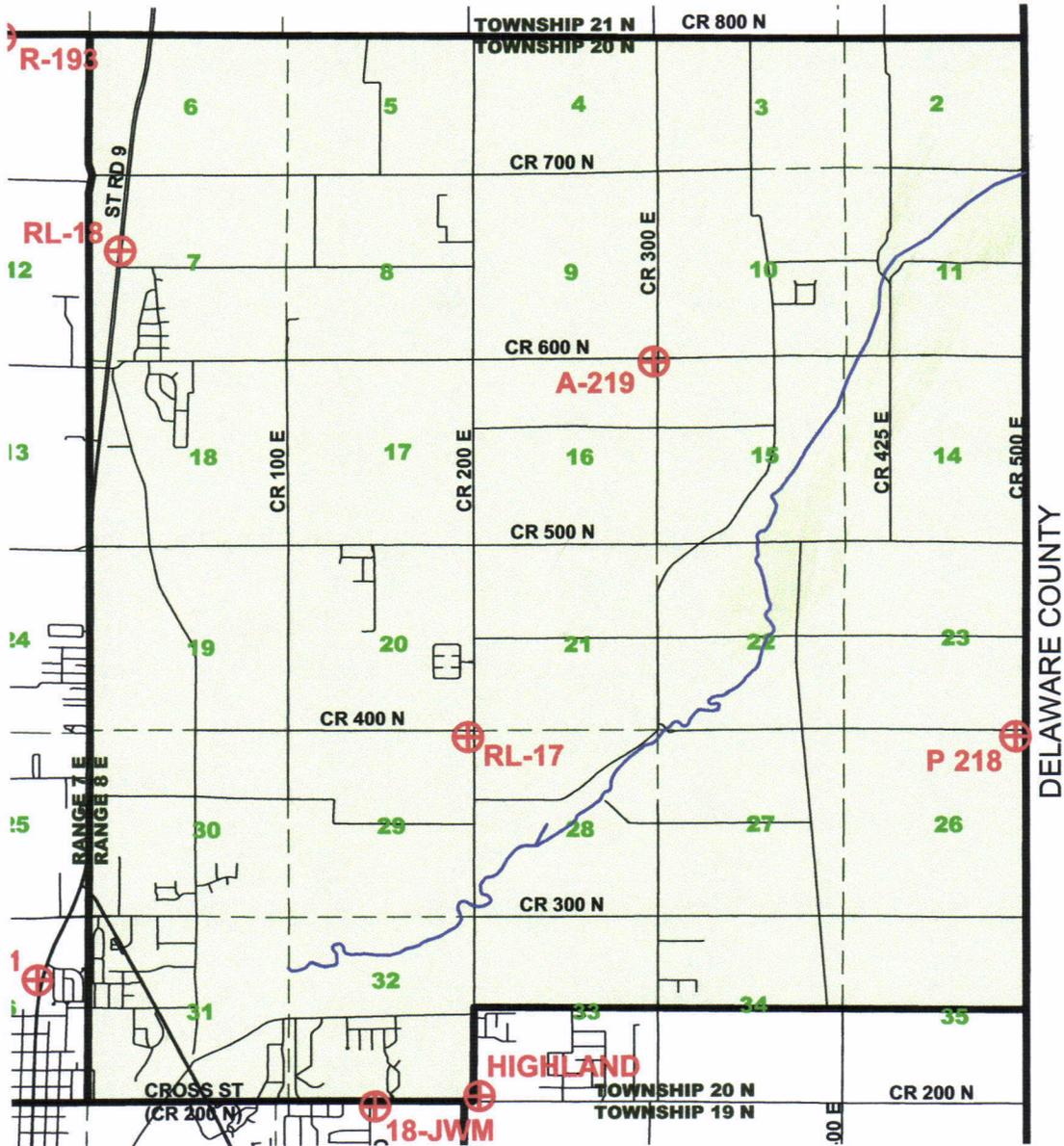
Solution report based upon OPUS/NGS

revised 2-2-2005

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STATE PLANE CONTROL KEY MAP

RICHLAND TOWNSHIP MADISON COUNTY, IN



PREPARED BY

RAYL
SURVEYING &
ENGINEERING, INC.

1940 EAST 53rd STREET
ANDERSON, INDIANA 46013
(765) 643-5614
fax: (765) 643-1874
rse@netdirect.net



0' 0.5 M 1 M

SCALE: 1" = 1 MILE

**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: P-218
TYPE OF MONUMENT: Brass monument in concrete.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Richland
SECTION 26, **TOWNSHIP** 20 **NORTH**, **RANGE** 8 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SW quadrant of the intersection of CR 500 E & CR 400 N. This point is 18' W of the centerline of CR 500 E & 30' S of the centerline of CR 400 N. The point is flush with the ground.

DATE OBSERVED: 7 **DAY**, 04 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 243.940 **METERS:** 800.33 **US SURVEY FEET**
ORTHO HEIGHT: 277.871 **METERS:** 911.65 **US SURVEY FEET**
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 545757.134 **METERS:** 1790538.1971 **US SURVEY FEET**
EASTING: 107733.013 **METERS:** 353454.0601 **US SURVEY FEET**

LATITUDE: 40° 9' 51.24994"
WEST LONGITUDE: 85° 34' 33.19960"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: A - 219
TYPE OF MONUMENT: Brass disc in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Richland
SECTION 16 , **TOWNSHIP** 20 **NORTH**, **RANGE** 8 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SW quadrant of the intersection of CR 300 E & CR 600 N. The point is 47.5' W of the centerline of CR 300 E & 18' S of the centerline of CR 600 N.

DATE OBSERVED: 11 **DAY**, 09 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 235.902 **METERS:** 773.96 **US SURVEY FEET**
ORTHO HEIGHT: 269.852 **METERS:** 885.34 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 549032.401 **METERS:** 1801283.8023 **US SURVEY FEET**
EASTING: 104525.945 **METERS:** 342932.2046 **US SURVEY FEET**

LATITUDE: 40° 11' 37.52613"
WEST LONGITUDE: 85° 36' 48.64873"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
L:\LPR2\Madison-Co\Documents\GPS_Control_Net\A-219.wpd

**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: RL-17
TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "RL-17 Madison
County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Richland
SECTION 29, **TOWNSHIP** 20 **NORTH**, **RANGE** 8 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located SW quadrant of the intersection of CR 200 E and CR 400 N. This
point is approximately 35' W of the centerline of CR 200 E and approximately 21.4' S of CR
400 N and 34.8' W of CR 200 E. This point is approximately 12.2' E of PP# MA63-98.

DATE OBSERVED: 24 **DAY**, 05 **MONTH**, 04 **YEAR**

ELLIPSOID HEIGHT: 235.007 **METERS:** 771.02 **US SURVEY FEET**
ORTHO HEIGHT: 268.991 **METERS:** 882.51 **US SURVEY FEET**
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 545767.214 **METERS:** 1790571.2680 **US SURVEY FEET**
EASTING: 102911.006 **METERS:** 337633.8588 **US SURVEY FEET**

LATITUDE: 40° 09' 51.68671"
WEST LONGITUDE: 85° 37' 56.97942"

RECOVERY NOTES:

Solution report based upon OPUS/NGS
revised 2-2-2005
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MADISON COUNTY STATE PLANE COORDINATE CONTROL NETWORK

CONTROL MONUMENT DESIGNATION: RL-18
TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "RL-18 Madison
County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Richland
SECTION 7, TOWNSHIP 20 NORTH, RANGE 8 EAST

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the grass median between the N and S bound lanes of SR 9
approximately 500' N of CR 650 N and 5' S of the first asphalt crossover past CR 650 N and
lies almost directly in the center of the grass median.

DATE OBSERVED: 28 DAY, 5 MONTH, 2004 YEAR

ELLIPSOID HEIGHT: 236.665 METERS: 776.46 US SURVEY FEET
ORTHO HEIGHT: 270.709 METERS: 888.15 US SURVEY FEET
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 535892.960 METERS: 1758175.4863 US SURVEY FEET
EASTING: 95747.383 METERS: 314131.2057 US SURVEY FEET

LATITUDE: 40° 12' 10.47758"
WEST LONGITUDE: 85° 40' 06.18519"

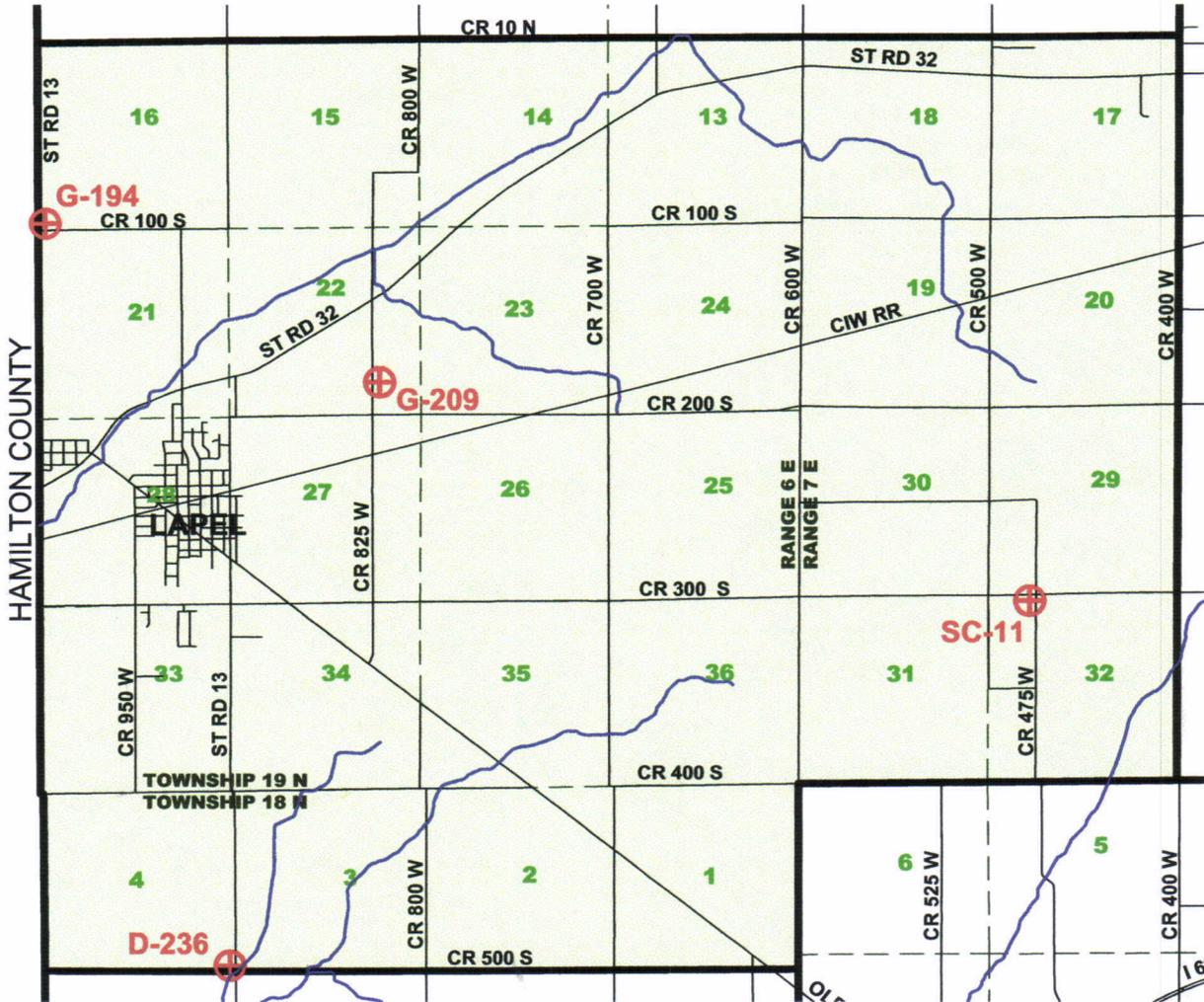
RECOVERY NOTES: _____

Solution report based upon OPUS/NGS 
revised 2-2-2005
L:\LPR2\Madison-Co\Documents\GPS_Control_Net\RL-18.wpd

STATE PLANE CONTROL KEY MAP

STONY CREEK TOWNSHIP

MADISON COUNTY, IN



PREPARED BY



1940 EAST 53rd STREET
ANDERSON, INDIANA 46013
(765) 643-5614
fax: (765) 643-1874
rse@netdirect.net



SCALE: 1" = 1 MILE

**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: D - 236
TYPE OF MONUMENT: Brass disc in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Stony Creek
SECTION 4, **TOWNSHIP** 18 **NORTH**, **RANGE** 6 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the NW quadrant of the intersection of SR 13 & CR 500 S. This point is 28' W of the centerline of SR 13 & 45' N of the centerline of CR 500 S. This point has a survey marker sign on a T-post next to it. Brass disc in concrete approximately 18" below SR 13.

DATE OBSERVED: 25 **DAY**, 09 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 227.233 **METERS:** 745.51 **US SURVEY FEET**
ORTHO HEIGHT: 261.224 **METERS:** 857.0 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 531043.002 **METERS:** 1742263.5824 **US SURVEY FEET**
EASTING: 84914.269 **METERS:** 278589.5642 **US SURVEY FEET**

LATITUDE: 40° 1' 53.81873"
WEST LONGITUDE: 85° 50' 36.29276"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: G-194
TYPE OF MONUMENT: Brass disc in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Stony Creek
SECTION 16, **TOWNSHIP** 19 **NORTH**, **RANGE** 6 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the NE quadrant of the of the intersection of SR 13 and CR 100 S.
This point is 28' N of the center line of CR 100 S & 28' East of the center line of SR 13.
This point has an orange fiberglass survey marker post placed by Hamilton County Surveyors Office next to it.

DATE OBSERVED: 05 **DAY**, 11 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 224.307 **METERS:** 735.91 **US SURVEY FEET**
ORTHO HEIGHT: 258.354 **METERS:** 847.62 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 537449.898 **METERS:** 1763283.5404 **US SURVEY FEET**
EASTING: 83250.375 **METERS:** 273130.6053 **US SURVEY FEET**

LATITUDE: 40° 5' 21.43573"
WEST LONGITUDE: 85° 51' 47.06908"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: G -209
TYPE OF MONUMENT: Brass disc in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Stony Creek
SECTION 23, **TOWNSHIP** 19 **NORTH**, **RANGE** 6 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located on the E side of CR 825 W approximately 0.4 mile S of SR 32 & approximately 0.2 mile N of CR 200 S. The point is 33' NE across the road from an utility pole marked PSI #065-621. This point is approximately 16' E of the centerline of CR 825 W and approximately 6" above the surface of the road.

DATE OBSERVED: 25 **DAY**, 09 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 228.286 **METERS:** 748.97 **US SURVEY FEET**
ORTHO HEIGHT: 262.309 **METERS:** 860.59 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 536188.281 **METERS:** 1759144.3853 **US SURVEY FEET**
EASTING: 86098.175 **METERS:** 282473.7625 **US SURVEY FEET**

LATITUDE: 40° 4' 40.71709"
WEST LONGITUDE: 85° 49' 46.75493"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
L:\LPR2\Madison-Co\Documents\GPS_Control_Net\G-209.wpd

**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: SC-11

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "SC-11 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Stony Creek

SECTION 32, **TOWNSHIP** 19 **NORTH**, **RANGE** 7 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SW quadrant of the intersection of CR 475 W & CR 300 S. This point is approximately 22' S of the centerline of CR 300 S. And 49' W of the centerline of CR 475 W.

DATE OBSERVED: 19 **DAY**, 11 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 234.347 **METERS:** 768.85 **US SURVEY FEET**

ORTHO HEIGHT: 268.359 **METERS:** 880.44 **US SURVEY FEET**
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 534282.888 **METERS:** 1752893.1084 **US SURVEY FEET**

EASTING: 91741.244 **METERS:** 300987.7314 **US SURVEY FEET**

LATITUDE: 40° 03' 39.20569"

WEST LONGITUDE: 85° 45' 48.49065"

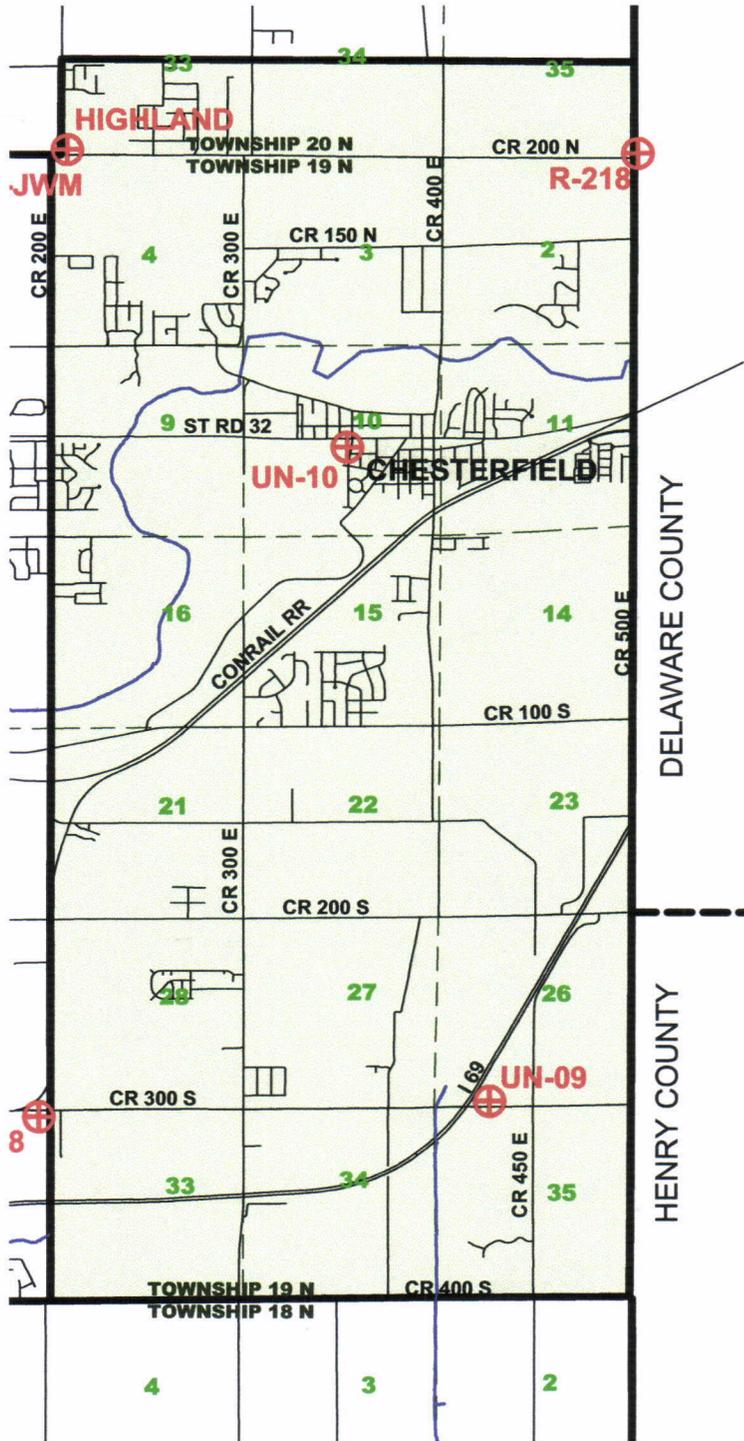
RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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STATE PLANE CONTROL KEY MAP

UNION TOWNSHIP MADISON COUNTY, IN



PREPARED BY

RAYL
SURVEYING &
ENGINEERING, INC.

1040 EAST 53rd STREET
ANDERSON, INDIANA 46013
(765) 643-5614
fax: (765) 643-1874
rse@netdirect.net



0' 0.5 M 1 M

SCALE: 1" = 1 MILE

**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: HIGHLAND
TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "HIGHLAND
Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Union
SECTION 33, **TOWNSHIP** 20 **NORTH**, **RANGE** 8 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the NE quadrant of the intersection of CR 200 E (Rangeline Rd) and
CR 200 N (Cross St). This point is approximately 35' N of CR 200 N and approximately
260' E of CR 200 E. This point is also 53.6' SE of PP #N241505

DATE OBSERVED: 15 **DAY**, 10 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 240.519 **METERS:** 789.10 **US SURVEY FEET**
ORTHO HEIGHT: 274.450 **METERS:** 900.42 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 542540.354 **METERS:** 1779984.4781 **US SURVEY FEET**
EASTING: 102909.331 **METERS:** 337628.3635 **US SURVEY FEET**

LATITUDE: 40° 8' 7.06370"
WEST LONGITUDE: 85° 37' 57.10262"

RECOVERY NOTES: _____

**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: R-218

TYPE OF MONUMENT: Brass disc in concrete.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Union (Salem Delaware Co.)

SECTION 2 , **TOWNSHIP** 19 **NORTH**, **RANGE** 8 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the NE quadrant of the intersection of CR 500 E and CR 200 N.
The point is 35.5' N of the centerline of CR 200 N & 15' E of the centerline of CR 500 E.
The NE quadrant is in Delaware County. The point has a survey sign next to it mounted on a tee-post.

DATE OBSERVED: 11 **DAY**, 09 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 243.872 **METERS:** 800.10 **US SURVEY FEET**

ORTHO HEIGHT: 277.786 **METERS:** 911.37 **US SURVEY FEET**

(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 542509.232 **METERS:** 1779882.3720 **US SURVEY FEET**

EASTING: 107740.884 **METERS:** 353479.8836 **US SURVEY FEET**

LATITUDE: 40° 08' 05.94452"

WEST LONGITUDE: 85° 34' 33.00728"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS

revised 2-2-2005

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MADISON COUNTY STATE PLANE COORDINATE CONTROL NETWORK

CONTROL MONUMENT DESIGNATION: UN-09

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "UN-09 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Union

SECTION 26, TOWNSHIP 19 NORTH, RANGE 8 EAST

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located approximately 31' N of the centerline of SR 236 (CR 300 S) and approximately .15 mile E of the I69 crossover bridge. Also, the point is located across SR 236 from two houses whose addresses are 4329 and 4365.

DATE OBSERVED: 03 DAY, 11 MONTH, 2004 YEAR

ELLIPSOID HEIGHT: 249.706 METERS: 819.24 US SURVEY FEET

ORTHO HEIGHT: 283.607 METERS: 930.47 US SURVEY FEET

(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 534455.482 METERS: 1753459.3606 US SURVEY FEET

EASTING: 106604.045 METERS: 349750.1043 US SURVEY FEET

LATITUDE: 40° 03' 44.85421"

WEST LONGITUDE: 85° 35' 21.32598"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

L:\LPR2\Madison-Co\Documents\GPS_Control_Net\UN-09.wpd

**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: UN-10
_TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "UN-10 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Union
SECTION 10, **TOWNSHIP** 19 **NORTH**, **RANGE** 8 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located 77.1' W of the centerline of a 20" dia concrete post at the SE corner of the Otterbien Cemetery & 15' N of the centerline of old 10th Street road, Chesterfield, IN. Also point is 0.7' S of S cemetery fence & 19.6' E of the centerline of the E pedestrian gate post.

DATE OBSERVED: 14 **DAY**, 4 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 243.068 **METERS:** 797.46 **US SURVEY FEET**
ORTHO HEIGHT: 276.998 **METERS:** 908.78 **US SURVEY FEET**
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 539891.624 **METERS:** 1771294.4364 **US SURVEY FEET**

EASTING: 104879.170 **METERS:** 344091.0769 **US SURVEY FEET**

LATITUDE: 40° 06' 41.15195"

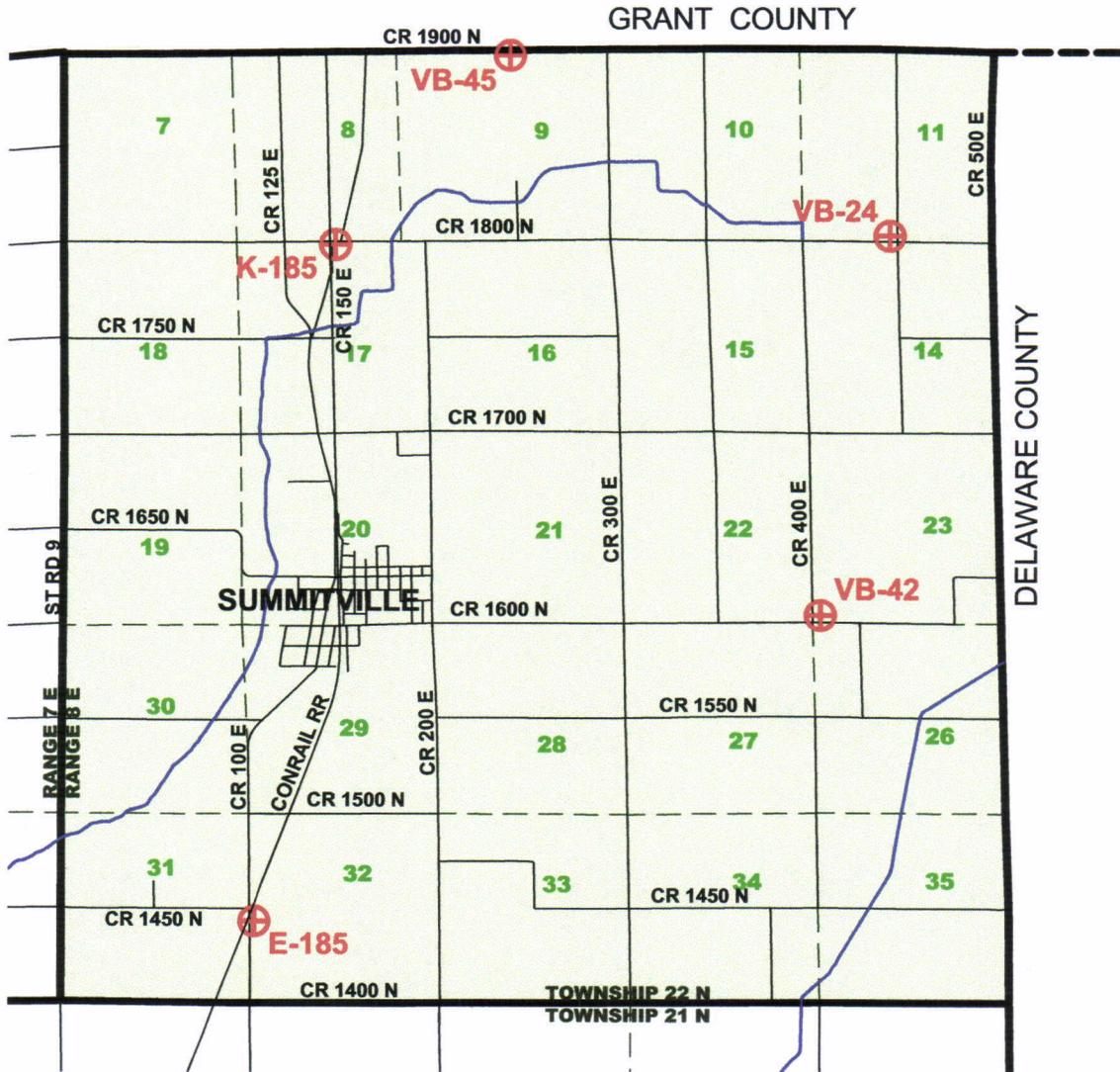
WEST LONGITUDE: 85° 36' 33.96376"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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STATE PLANE CONTROL KEY MAP

VAN BUREN TOWNSHIP MADISON COUNTY, IN



PREPARED BY

RAYL
SURVEYING &
ENGINEERING, INC.

1940 EAST 53rd STREET
ANDERSON, INDIANA 46013
(765) 643-5614
fax: (765) 643-1874
rse@netdirect.net



0' 0.5 M 1 M

SCALE: 1" = 1 MILE

**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: E-185
TYPE OF MONUMENT: Brass disc in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Van Buren
SECTION 32, **TOWNSHIP** 22 **NORTH**, **RANGE** 8 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the SE quadrant of the intersection of CR 100 E & the railroad tracks between CR 1400 N and CR 1500 N. This point is 3.5' S of a utility pole numbered MA23-22 and 33' E of the centerline of CR 100 E. and 35' SE of the SE rail of railroad. The Brass disc is about ground level.

DATE OBSERVED: 24 **DAY**, 09 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 238.150 **METERS:** 781.33 **US SURVEY FEET**
ORTHO HEIGHT: 272.182 **METERS:** 892.98 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 562284.278 **METERS:** 1844761.0021 **US SURVEY FEET**
EASTING: 101171.985 **METERS:** 331928.4208 **US SURVEY FEET**

LATITUDE: 40°18' 47.21909"
WEST LONGITUDE: 85°39' 10.36280"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: K - 185
TYPE OF MONUMENT: Brass disc in concrete

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Van Buren
SECTION 17 , **TOWNSHIP** 22 **NORTH**, **RANGE** 8 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located approximately 1.5 miles E of SR 9 on CR 1800 N. This point is 81' E of the E rail of the railroad tracks & 18' S of the centerline of CR 1800 N. Brass disc is located about 6" below the surface of the road.

DATE OBSERVED: 24 **DAY**, 09 **MONTH**, 2003 **YEAR**

ELLIPSOID HEIGHT: 235.698 **METERS:** 773.28 **US SURVEY FEET**
ORTHO HEIGHT: 269.755 **METERS:** 885.02 **US SURVEY FEET**
(GEOID 99 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 568031.595 **METERS:** 1863616.9723 **US SURVEY FEET**
EASTING: 101864.977 **METERS:** 334202.0120 **US SURVEY FEET**

LATITUDE: 40° 21' 53.55115"
WEST LONGITUDE: 85° 38' 40.95210"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: VB-24

TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "VB-24 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Van Buren

SECTION 11, **TOWNSHIP** 22 **NORTH**, **RANGE** 8 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the NW quadrant of the intersection of CR 450 E & CR 1800 N.
The point is 24.5' W of the centerline of CR 450 E and 23' N of the centerline of 1800 N.

DATE OBSERVED: 30 **DAY**, 12 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 238.351 **METERS:** 781.99 **US SURVEY FEET**
ORTHO HEIGHT: 272.422 **METERS:** 893.77 **US SURVEY FEET**
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 568048.485 **METERS:** 1863672.4044 **US SURVEY FEET**
EASTING: 106653.480 **METERS:** 349912.2923 **US SURVEY FEET**

LATITUDE: 40° 21' 54.01076"

WEST LONGITUDE: 85° 35' 17.98862"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: VB-42
_TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "VB-42 Madison County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Van Buren
SECTION 23, **TOWNSHIP** 22 **NORTH**, **RANGE** 8 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located in the NE quadrant of the intersection of CR 400 E & where it tees with CR 1600 N. The point is 31' E of the centerline of CR 400 E and 26' N of the centerline of CR 1600 N.

DATE OBSERVED: 30 **DAY**, 12 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 237.282 **METERS:** 778.48 **US SURVEY FEET**
ORTHO HEIGHT: 271.330 **METERS:** 890.18 **US SURVEY FEET**
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 564807.605 **METERS:** 1853039.6172 **US SURVEY FEET**
EASTING: 105955.848 **METERS:** 347623.4779 **US SURVEY FEET**

LATITUDE: 40° 20' 8.95585"
WEST LONGITUDE: 85° 35' 47.66694"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005
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**MADISON COUNTY
STATE PLANE COORDINATE
CONTROL NETWORK**

CONTROL MONUMENT DESIGNATION: VB-45
TYPE OF MONUMENT: 4' x 3/4" rebar with aluminum cap marked "VB-45 Madison
County State Plane Control" driven flush with ground.

CONTROL MONUMENT LOCATION:

POLITICAL TOWNSHIP Van Buren
SECTION 9, **TOWNSHIP** 22 **NORTH**, **RANGE** 8 **EAST**

SPECIFIC DESCRIPTIVE LOCATION OF MONUMENT:

This point is located 14.5' S of the intersection of the centerlines of CR 250 E (Grant Co)
and where it tees with CR 1900 N (Madison Co). The point is also 32' E of a concrete head
post.

DATE OBSERVED: 13 **DAY**, 11 **MONTH**, 2004 **YEAR**

ELLIPSOID HEIGHT: 237.182 **METERS:** 778.15 **US SURVEY FEET**
ORTHO HEIGHT: 271.288 **METERS:** 890.05 **US SURVEY FEET**
(GEOID 03 NAVD 88)

STATE PLANE COORDINATE ZONE 1301 (IN) EAST

NORTHING: 569674.554 **METERS:** 1869007.2659 **US SURVEY FEET**

EASTING: 103401.757 **METERS:** 339243.9311 **US SURVEY FEET**

LATITUDE: 40° 22' 46.80055"

WEST LONGITUDE: 85° 37' 35.78341"

RECOVERY NOTES: _____

Solution report based upon OPUS/NGS
revised 2-2-2005

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MADISON COUNTY

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POINT ID	R-T-Sec	Political Twshp	LOCATION	MONUMENT	OBSERVATION DATE
AD-05	8-18-35	Adams	400 E & 950 S	Madison Co Marker	3-Nov-04
J-240	8-18-29	Adams	SR 38 & 100 E	USGS - Disc	12-Sep-03
S-247	8-18-16	Adams	SR 36 & 800 E	USGS - Disc	15-Dec-03
TT 23-JWM	8-18-28	Adams	300 E & 875 S	USGS - Disc	15-Dec-03
18-JWM	8-19-05	Anderson	150 E & 200 N	USGS - Disc	18-Sep-03
A-18	8-19-32	Anderson	SR 236 & 200 E	USGS - Disc	15-Oct-03
AN-02	7-19-03	Anderson	Water St & Romine Rd	Madison Co Marker	2-Jun-04
AN-03	7-19-20	Anderson	38 St & Camelot Blvd	Madison Co Marker	27-Jul-04
AN-10	8-19-31	Anderson	400 S & Columbus	Madison Co Marker	15-Oct-03
ANDERSON	8-19-07	Anderson	5th & Nursery Rd	USGS - Disc	25-Sep-03
K-193	7-19-12	Anderson	10th & John St	USGS - Disc	2-Sep-03
MUSTIN	7-19-09	Anderson	400 W & 8th St	Cut "X"	10-Oct-03
BO-23	7-22-21	Boone	350 W & 1650 N	Madison Co Marker	
BO-26	7-22-17	Boone	500 W & 1800 N	Madison Co Marker	20-May-04
BO-29	7-22-23	Boone	100 W & 1650 N	Madison Co Marker	
BO-48	7-22-11	Boone	200 W & 1900 N	Madison Co Marker	
D-195	6-22-36	Duck Creek	SR 37 & 1500 N	USGS - Disc	10-Apr-04
DC-25	6-22-16	Duck Creek	SR 13 & 1800 N	Madison Co Marker	20-May-04
DC-30	6-22-28	Duck Creek	SR 13 & 1500 N	Madison Co Marker	22-Dec-04
D-240	7-18-22	Fall Creek	SR 38 & 200 W	USGS - Disc	17-Sep-03
FC-07	7-18-9	Fall Creek	SR 9 & Pendleton Ave	Madison Co Marker	
FC-33	7-17-1	Fall Creek	50 W & 1060 S	Madison Co Marker	3-Nov-04
N-240	7-17-04	Fall Creek	300 W & 1000 S	USGS - Disc	16-Dec-03
Y-372	7-18-31	Fall Creek	SR 67 & 575 W	SS Rod (HARN)	16-Dec-03
F-236	6-18-16	Green	SR 13 & 700 S	USGS - Disc	26-Sep-03
GR-37	6-18-13	Green	625 W & Jefferson Pl	Madison Co Marker	21-Dec-04
H-236	6-18-33	Green	SR 13 & 900 S	USGS - Disc	26-Sep-03
E-194	6-20-21	Jackson	SR 13 & 500 N	USGS - Disc	8-Dec-03
J-194	6-19-04	Jackson	SR 13 & 100 N	USGS - Disc	5-Nov-03
MAD 14	7-19-06	Jackson	500 W & 8th St	USGS - Disc	11-Dec-03
MAD G-7	6-20-14	Jackson	800 W & 500 N	USGS - Disc	8-Dec-03
TT 29-JWM	6-19-03	Jackson	800 W & 150 N	USGS - Disc	11-Dec-03
LF-15	7-20-04	Lafayette	SR 128 & 400 W	Madison Co Marker	28-May-04
LF-16	7-27-20	Lafayette	200 W & 375 N	Madison Co Marker	27-Jul-04
R-193	7-20-01	Lafayette	50 W & 800 N	USGS - Disc	14-Jan-04
X-371	7-20-36	Lafayette	2700 Broadway	SS Rod (HARN)	19-May-04
Z-193	6-20-19	Lafayette	500 W & 500 N	USGS - Disc	8-Dec-03
37-EOM	7-22-34	Monroe	300 W & 1400 N	USGS - Disc	24-Sep-03
MN-19	7-21-3	Monroe	200 W & 1300 N	Madison Co Marker	
MN-20	8-21-27	Monroe	400 E & 1200 N	Madison Co Marker	10-Nov-04
MN-41	8-21-11	Monroe	400 E & 1250 N	Madison Co Marker	
MN-44	8-21-29	Monroe	200 E & 1000 N	Madison Co Marker	11/13/2004**
MN-47	7-21-26	Monroe	200 W & 1000 N	Madison Co Marker	
S-193	7-21-25	Monroe	SR 9 & 900 N	USGS - Disc	15-Oct-03
U-217	8-21-18	Monroe	SR 28 & 100 E	USGS - Disc	18-Sep-03
A-195	6-21-14	Pipe Creek	SR 37 & 1100 N	USGS - Disc	
N-206	6-21-11	Pipe Creek	SR 37 & SR 28	USGS - Disc	1-Mar-04
PC-13	7-21-07	Pipe Creek	500 W & 1300 N	Madison Co Marker	20-May-04
PC-14	8-18-35	Pipe Creek	550 W & 1000 N	Madison Co Marker	21-Dec-04
PC-40	6-21-9	Pipe Creek	1000 W & N E St	Madison Co Marker	22-Dec-04

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PC-46	6-20-11	Pipe Creek	700 W 700 N	Madison Co Marker	13-Nov-04
U-194	6-21-33	Pipe Creek	SR 13 & 900 N	USGS - Disc	9-Dec-03
A-219	8-20-16	Richland	300 E & 600 N	USGS - Disc	11-Sep-03
P-218	8-20-26	Richland	500 E & 400 N	USGS - Disc	7-Apr-04
RL-17	8-29-20	Richland	200 E & 400 N	Madison Co Marker	24-May-04
RL-18	8-20-07	Richland	SR 9 & 650 N	Madison Co Marker	28-May-04
D-236	6-18-04	Stony Creek	SR 13 & 500 S	USGS - Disc	25-Sep-03
G-194	6-19-16	Stony Creek	SR 13 & 100 S	USGS - Disc	5-Nov-03
G-209	6-19-23	Stony Creek	825 W & 200 S	USGS - Disc	25-Sep-03
SC-11	7-19-32	Stony Creek	475 W & 300 S	Madison Co Marker	
HIGHLAND	8-20-33	Union	200 E & 200 N	5/8" Rebar	15-Oct-03
R-218	8-20-36	Union	500 E & 200 N	USGS - Disc	11-Sep-03
UN-09	8-19-26	Union	400 E & 300 S	Madison Co Marker	3-Nov-04
UN-10	8-19-10	Union	350 E & 50 N	Madison Co Marker	
E-185	8-22-32	Van Buren	100 E & 1450 N	USGS - Disc	24-Sep-03
K-185	8-22-17	Van Buren	150 E & 1800 N	USGS - Disc	24-Sep-03
VB-24	8-22-11	Van Buren	450 E & 1800 N	Madison Co Marker	
VB-42	8-22-23	Van Buren	400 E & 1600 N	Madison Co Marker	
VB-45	8-22-9	Van Buren	250 E & 1900 N	Madison Co Marker	11/13/2004**
				**RAPID OBSERVATION REPORT	