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2009 029252

STATE OF INDIANA
LAKE COUNTY
FILED FOR RECORD
2009 MAY -5 AM 9:48
MICHAEL A. BROWN
RECORDER

BOOK 20 PAGE 02

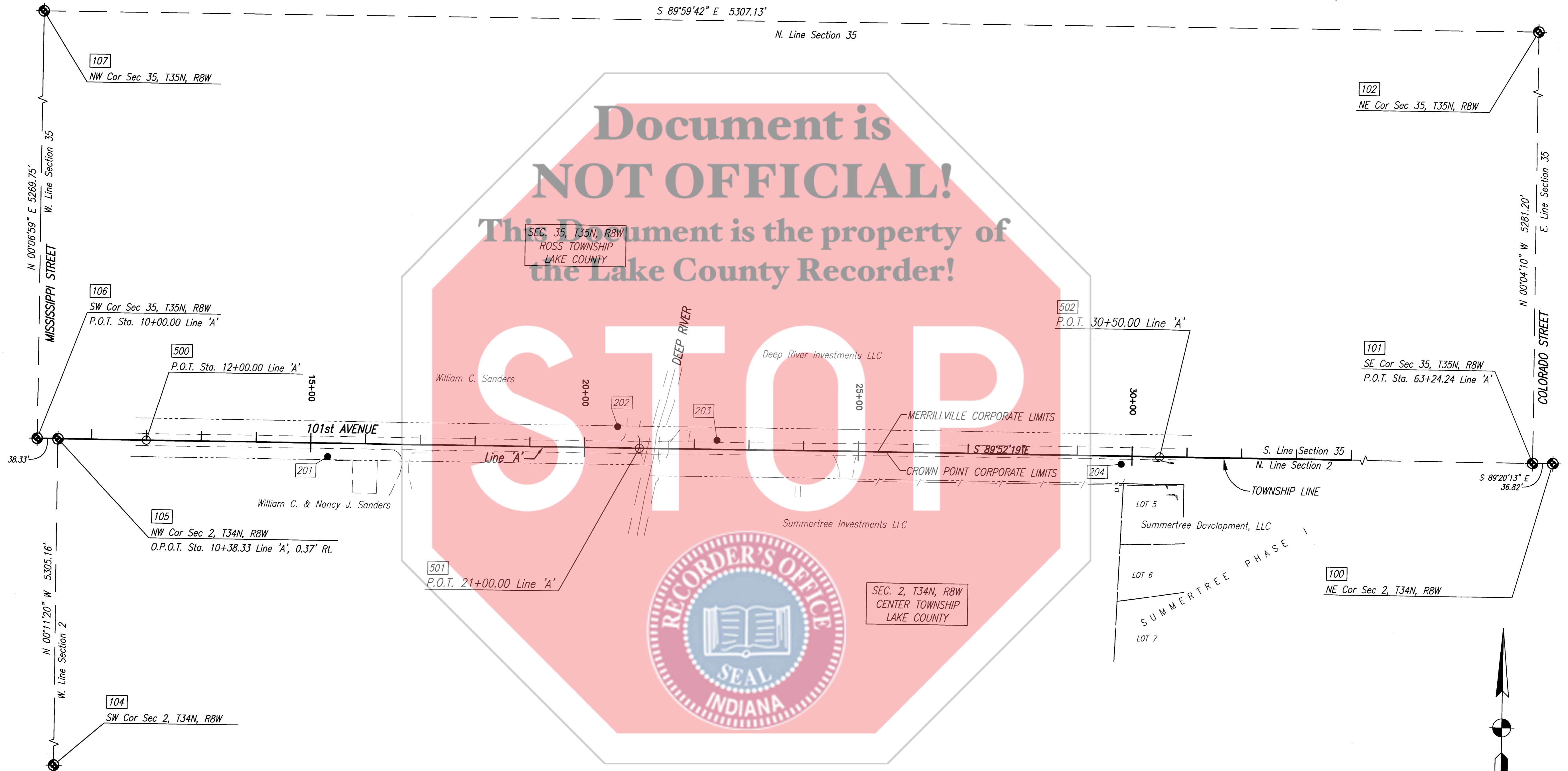
LOCATION CONTROL ROUTE SURVEY PLAT
for LAKE COUNTY HIGHWAY DEPARTMENT
LAKE COUNTY BRIDGE #89-101st AVENUE OVER DEEP RIVER
LAKE COUNTY
Sheet 1 of 2

2009-029252

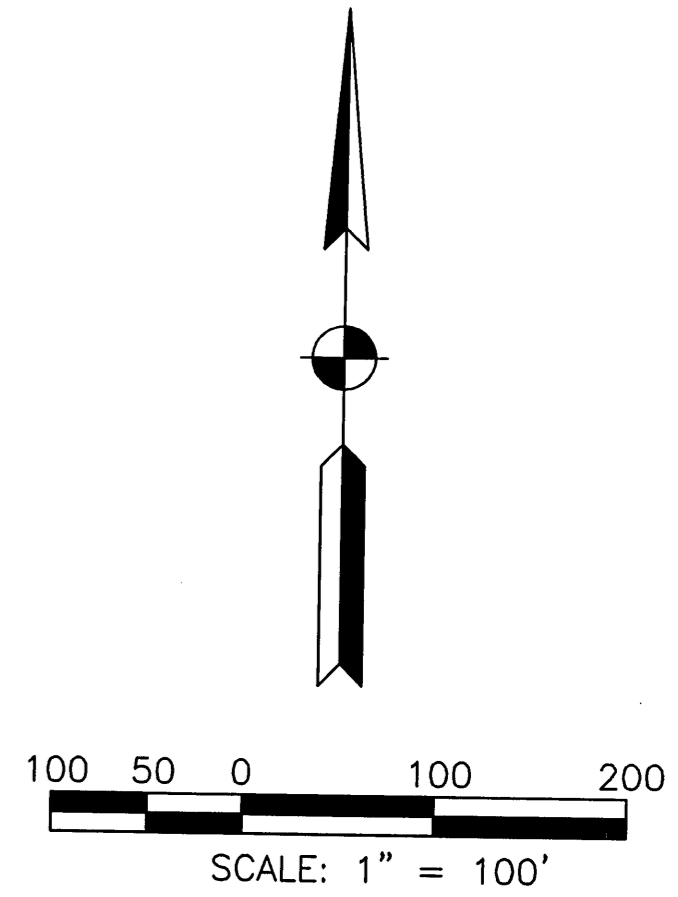
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MAY 05 2009
PEGGY HOLINGA KATONA
LAKE COUNTY AUDITOR



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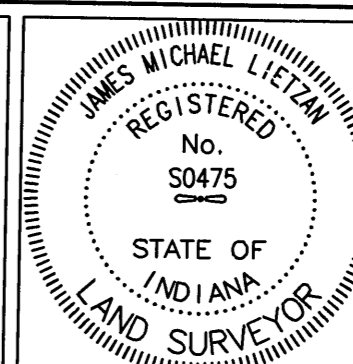
I AFFIRM UNDER THE PENALTIES FOR PERJURY, THAT I HAVE TAKEN REASONABLE CARE TO REDACT EACH SOCIAL SECURITY NUMBER IN THIS DOCUMENT, UNLESS REQUIRED BY LAW.

James Michael Lietzan
JAMES MICHAEL LIETZAN
DLZ INDIANA, LLC

LEGEND
● GPS LOCATED TOPO POINT

DLZ
DLZ INDIANA, LLC
2211 EAST JEFFERSON BOULEVARD SOUTH BEND, INDIANA 46615
TEL (574)236-4400 FAX (574)236-4471

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF TITLE 865 I.A.C. 1-12-20 THROUGH 1-12-26 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.
James Michael Lietzan 4-20-2009
JAMES MICHAEL LIETZAN DATE
INDIANA REGISTERED LAND SURVEYOR NO. 50475



LOCATION CONTROL ROUTE SURVEY PLAT	
COUNTY: LAKE	ROUTE: 101st AVENUE
LAKE COUNTY BRIDGE #89-101st AVENUE OVER DEEP RIVER located 0.2 mile East of Mississippi Street	
DRAWN BY:MMG3	CHECKED BY:ML 0961-2827-90 1 OF 2

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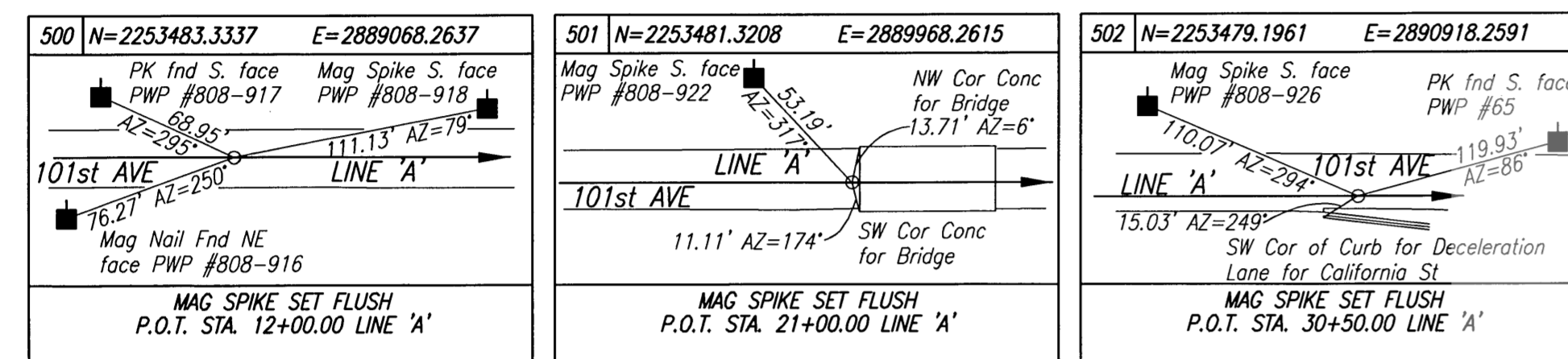
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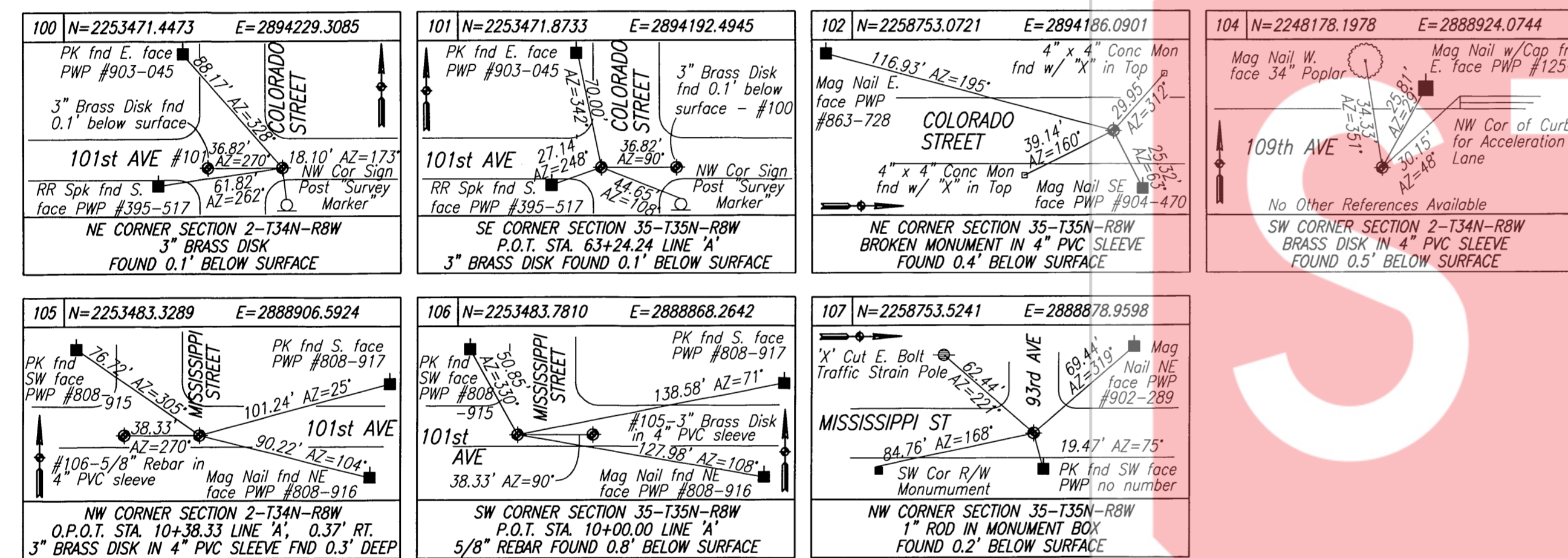
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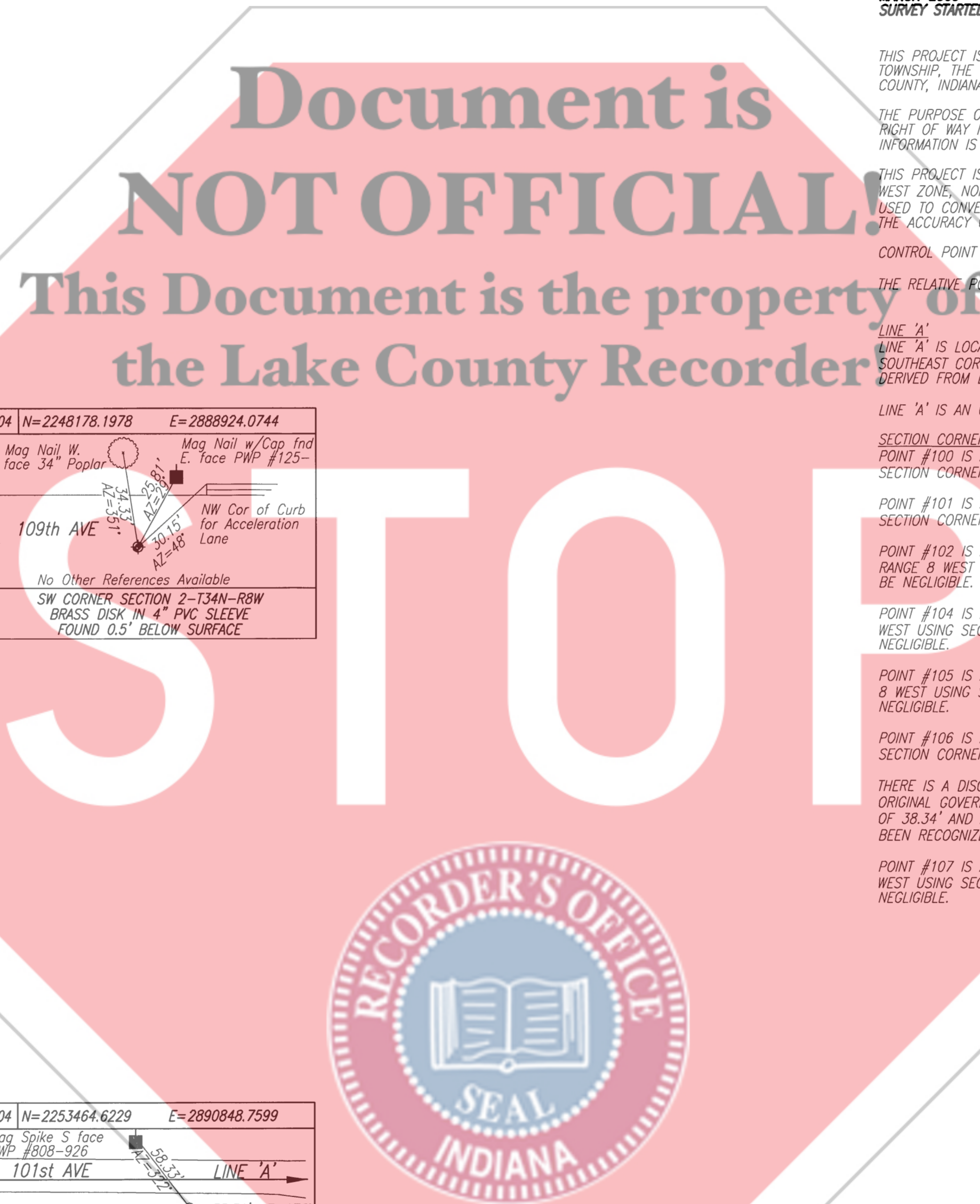
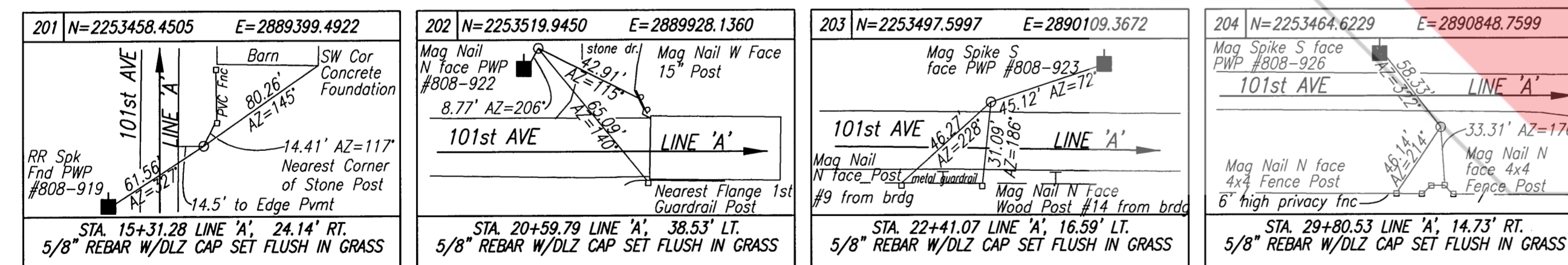
ALIGNMENT POINTS



SECTION CORNERS



CONTROL POINTS



SURVEYOR'S REPORT FOR LAKE COUNTY HIGHWAY DEPARTMENT

MARCH 2009
SURVEY STARTED: MARCH 9, 2009 SURVEY COMPLETED: APRIL 3, 2009

THIS PROJECT IS LOCATED AT LAKE COUNTY BRIDGE #89 OVER DEEP RIVER ON 101ST STREET, IN SECTION 2, TOWNSHIP 34 NORTH, RANGE 8 WEST, CENTER TOWNSHIP, THE CITY OF CROWN POINT AND SECTION 35, TOWNSHIP 35 NORTH, RANGE 8 WEST, ROSS TOWNSHIP, THE TOWN OF MERRILLVILLE, ALL IN LAKE COUNTY, INDIANA.

THE PURPOSE OF THIS SURVEY IS TO COLLECT DATA PERTINENT FOR THE DESIGN OF A BRIDGE REPLACEMENT AND TO PROVIDE A BASIS FOR DESCRIBING ANY RIGHT OF WAY NEEDED FOR THIS PROJECT. IT IS NOT A PROPERTY RETRACEMENT SURVEY. WHERE APPARENT PROPERTY LINES, CORNERS OR SECTION CORNER INFORMATION IS SHOWN, IT IS BASED ON PHYSICAL EVIDENCE OR TESTIMONY. NO DEED ANALYSIS WAS PERFORMED.

THIS PROJECT IS BASED ON AN ASSUMED COORDINATE SYSTEM. THE INITIAL HORIZONTAL COORDINATES WERE DERIVED FROM INDIANA STATE PLANE COORDINATES, WEST ZONE, NORTH AMERICAN DATUM 1983 (U.S. SURVEY FEET), HOLDING 2003 LAKE COUNTY CONTROL POINT "LCS". A SCALE FACTOR OF 1.0000639 WAS USED TO CONVERT THE GRID COORDINATES TO GROUND, SCALING AROUND POINT #202. COORDINATES ARE SHOWN TO FOUR DECIMAL PLACES, NOT TO INDICATE THE ACCURACY OF THE SURVEY, BUT TO PROVIDE REPEATABILITY OF CALCULATION. ENGLISH UNITS ARE USED FOR THIS SURVEY.

CONTROL POINT NUMBERS ARE ACTUAL FIELD SURVEY POINT NUMBERS USED FOR CONTROL AND TOPOGRAPHY.

THE RELATIVE POSITIONAL ACCURACY DOES NOT EXCEED FIVE-TENTHS (0.5) OF A FOOT.

LINE 'A' IS LOCATED ON THE SOUTH LINE OF SECTION 35, TOWNSHIP 35 NORTH, RANGE 8 WEST, RUNNING FROM THE SOUTHWEST CORNER (#106) TO THE SOUTHEAST CORNER (#101) OF THE SECTION. A STATION OF P.O.T. 10+00.00 WAS HELD AT THE SOUTHWEST CORNER (#106) AND ALL OTHER STATIONS WERE DERIVED FROM LINEAR MEASUREMENTS.

LINE 'A' IS AN ORIGINAL ALIGNMENT, THEREFORE IT HAS NO UNCERTAINTY.

SECTION CORNERS
POINT #100 IS A 3" BRASS DISK FOUND 0.1' BELOW THE SURFACE AT THE NORTHEAST CORNER OF SECTION 2, TOWNSHIP 34 NORTH, RANGE 8 WEST USING SECTION CORNER INFORMATION PROVIDED BY THE LAKE COUNTY SURVEYOR'S OFFICE. THE UNCERTAINTY OF THIS POINT IS ESTIMATED TO BE NEGLIGIBLE.

POINT #101 IS A 3" BRASS DISK FOUND 0.1' BELOW THE SURFACE AT THE SOUTHEAST CORNER OF SECTION 35, TOWNSHIP 35 NORTH, RANGE 8 WEST USING SECTION CORNER INFORMATION PROVIDED BY THE LAKE COUNTY SURVEYOR'S OFFICE. THE UNCERTAINTY OF THIS POINT IS ESTIMATED TO BE NEGLIGIBLE.

POINT #102 IS A BROKEN MONUMENT IN A PVC SLEEVE FOUND 0.4' BELOW THE SURFACE AT THE NORTHEAST CORNER OF SECTION 35, TOWNSHIP 35 NORTH, RANGE 8 WEST USING SECTION CORNER INFORMATION PROVIDED BY THE LAKE COUNTY SURVEYOR'S OFFICE. THE UNCERTAINTY OF THIS POINT IS ESTIMATED TO BE NEGLIGIBLE.

POINT #104 IS A BRASS DISK IN A PVC SLEEVE FOUND 0.5' BELOW THE SURFACE AT THE SOUTHWEST CORNER OF SECTION 2, TOWNSHIP 34 NORTH, RANGE 8 WEST USING SECTION CORNER INFORMATION PROVIDED BY THE LAKE COUNTY SURVEYOR'S OFFICE. THE UNCERTAINTY OF THIS POINT IS ESTIMATED TO BE NEGLIGIBLE.

POINT #105 IS A 3" BRASS DISK IN A PVC SLEEVE FOUND 0.3' BELOW THE SURFACE AT THE NORTHWEST CORNER OF SECTION 2, TOWNSHIP 34 NORTH, RANGE 8 WEST USING SECTION CORNER INFORMATION PROVIDED BY THE LAKE COUNTY SURVEYOR'S OFFICE. THE UNCERTAINTY OF THIS POINT IS ESTIMATED TO BE NEGLIGIBLE.

POINT #106 IS A 5/8" REBAR FOUND 0.8' BELOW THE SURFACE AT THE SOUTHWEST CORNER OF SECTION 35, TOWNSHIP 35 NORTH, RANGE 8 WEST USING SECTION CORNER INFORMATION PROVIDED BY THE LAKE COUNTY SURVEYOR'S OFFICE. THE UNCERTAINTY OF THIS POINT IS ESTIMATED TO BE NEGLIGIBLE.

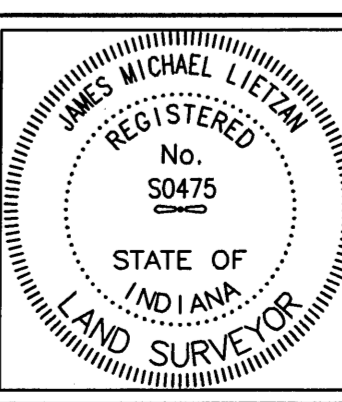
THERE IS A DISCREPANCY BETWEEN THE ORIGINAL GOVERNMENT NOTES AND THE CURRENT MEASUREMENT BETWEEN DOUBLE CORNERS #105 AND #106. THE ORIGINAL GOVERNMENT NOTES SHOW A DISTANCE OF 126 LINKS (83.16') AND THE MEASURED DISTANCE IS 38.33'. THE COUNTY RECORDS SHOW A DISTANCE OF 38.34' AND A 2001 SURVEY BY PLUMB, TUCKETT & ASSOCIATES SHOWS A DISTANCE OF 38.34'. DESPITE THE DISCREPANCY, EXISTING MONUMENTS HAVE BEEN RECOGNIZED SINCE 1968; THEREFORE, CORNERS #105 AND #106 ARE BEING HELD AS FOUND.

POINT #107 IS A 1" STEEL BAR IN A MONUMENT BOX 0.2' BELOW THE SURFACE AT THE NORTHWEST CORNER OF SECTION 35, TOWNSHIP 35 NORTH, RANGE 8 WEST USING SECTION CORNER INFORMATION PROVIDED BY THE LAKE COUNTY SURVEYOR'S OFFICE. THE UNCERTAINTY OF THIS POINT IS ESTIMATED TO BE NEGLIGIBLE.

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James Michael Lietzan 4-20-2009
DATE
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