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LOCATION CONTROL ROUTE SURVEY PLAT  
U.S. 12 (COLUMBUS DRIVE)  
LAKE COUNTY  
SHEET 1 OF 1

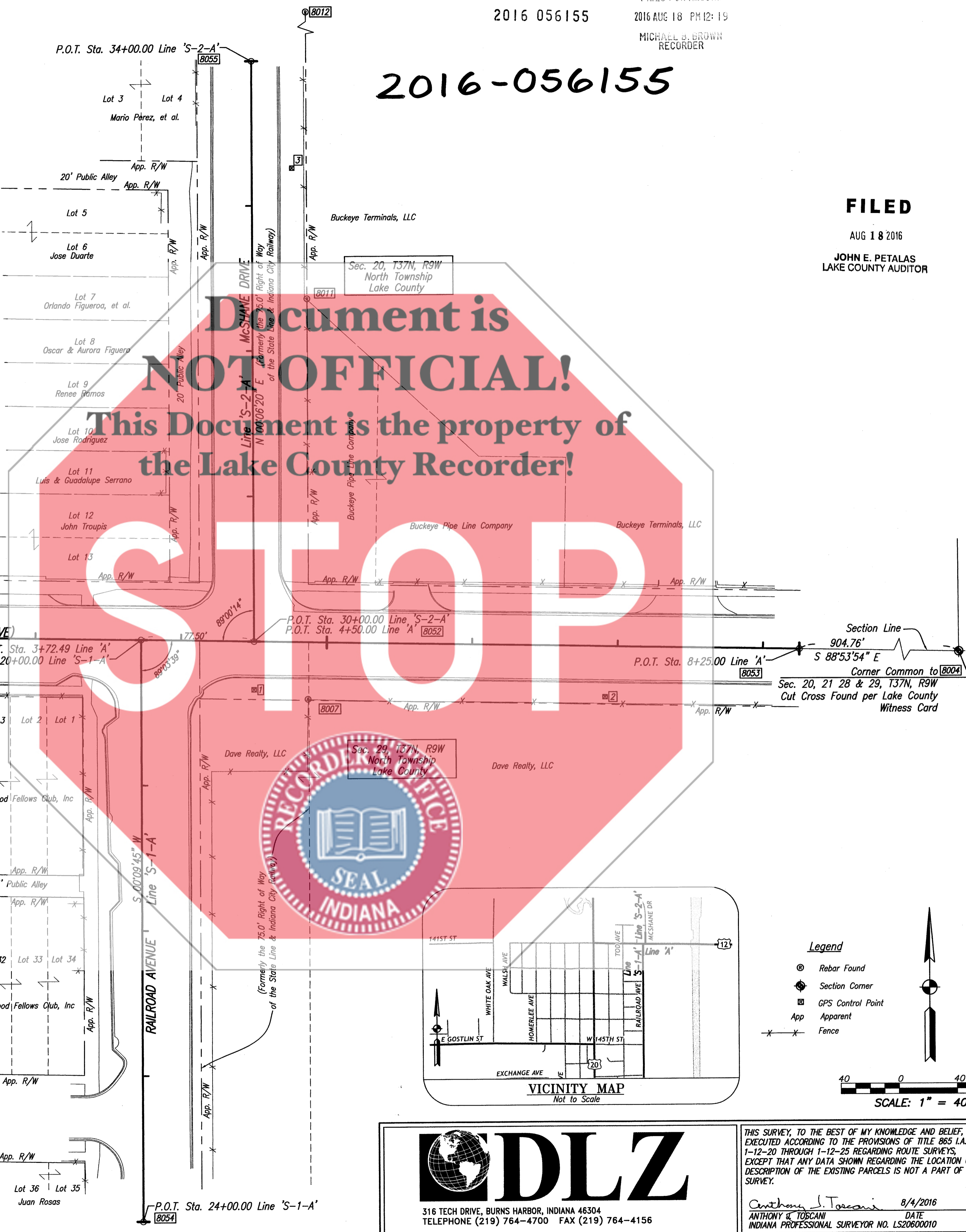
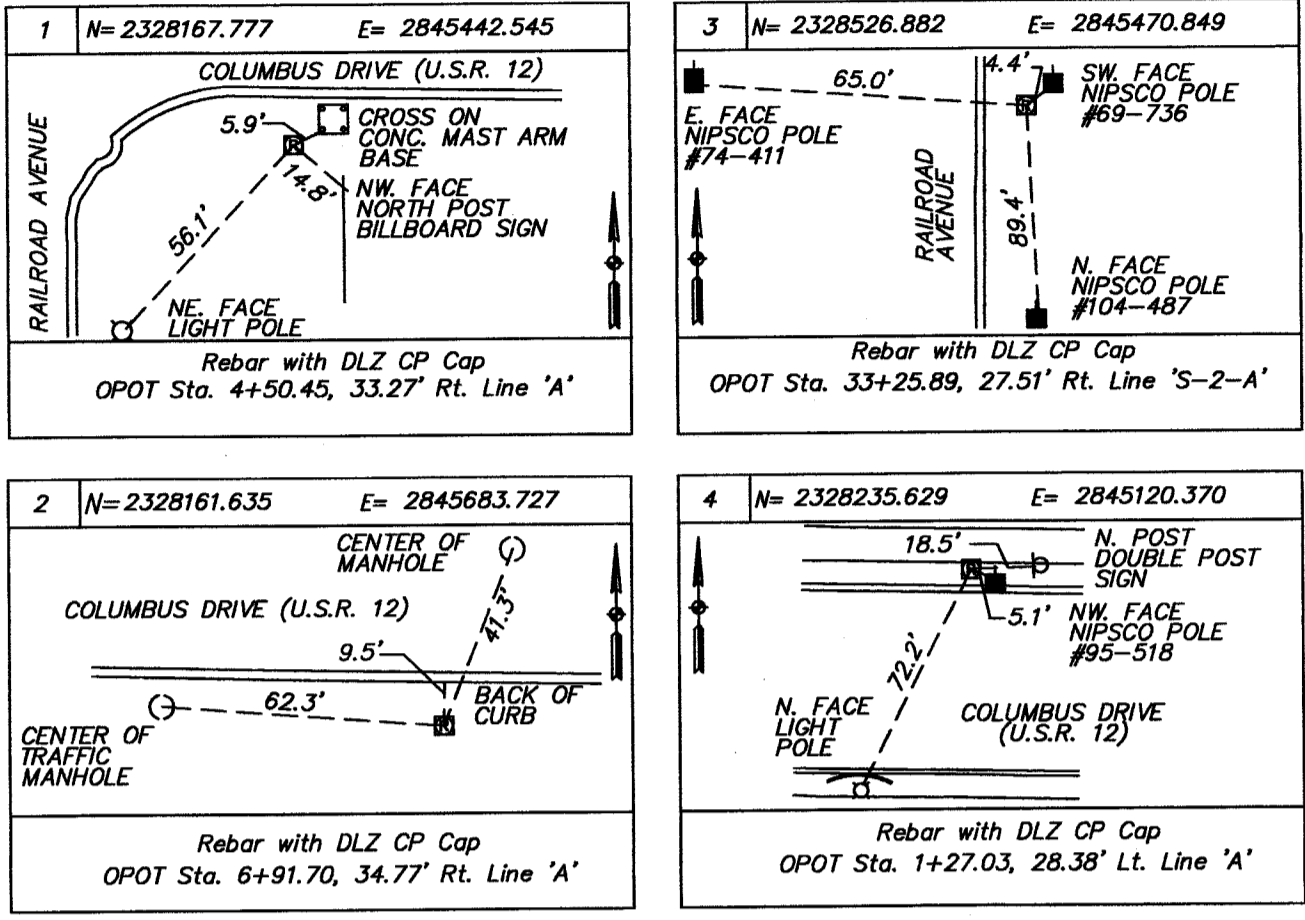
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2016 056155

FILED FOR RECORD  
2016 AUG 18 PM 12:19  
MICHAEL S. BROWN  
RECORDER

2016-056155

Survey Control Points



FILED  
AUG 18 2016  
JOHN E. PETALAS  
LAKE COUNTY AUDITOR

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**SURVEYOR'S REPORT**  
The purpose of this survey is to collect data needed for roadway improvements and as a basis for the acquisitions of right of way and temporary easements required for this project. This project is comprised of multiple alignments having an approximate total length of 0.3 mile in East Chicago, Indiana.

This survey is not a property retracement survey. Where title lines or survey/title corner monuments are shown, their location is based on physical evidence, testimony, or minimal deed analysis. Section corners shown hereon or reported herein are based on found monumentation and records found in the Lake County Surveyor's Office, unless otherwise noted.

The project coordinate system and basis of bearings are relative to the Indiana Coordinate System of 1983, West Zone NAD83 (2011) epoch 2010.00 adjustment. Coordinates are shown to three decimal places, not to indicate the accuracy of the survey, but to indicate the accuracy of the calculations. Linear dimensions and coordinate values are in U.S. Survey feet. Primary horizontal survey control was established by double occupation Real Time Kinematic GPS methods from the Indiana Department of Transportation, Continuously Operating Reference Network using RTCM3 format IMX RTK corrections. Trimble Business Center software was used to process GPS vectors and convert global coordinates to grid coordinates. A combined factor was not applied to this project and distances shown are grid distances.

The relative positional accuracy of any survey control monument, established this survey, with respect to any other survey control monument within the control framework is within +/-0.1 feet.

**SECTION CORNERS:**  
The section corner monuments used for this project (Point numbers: 8003 and 8004) were found per Lake County Surveyor's Office Corner Record cards.

The Lake County Surveyor's Office does not have a Corner Record card for the Quarter corner common to Sections 20 and 29, T37N, R9W. The calculated corner position shown on this plat is based on a previous survey by DLZ recorded as Document: 2015 012501 in the Lake County Recorder's Office.

The uncertainty of found Section corner monumentation in relation to the location of the original government corner monuments is considered to be negligible.

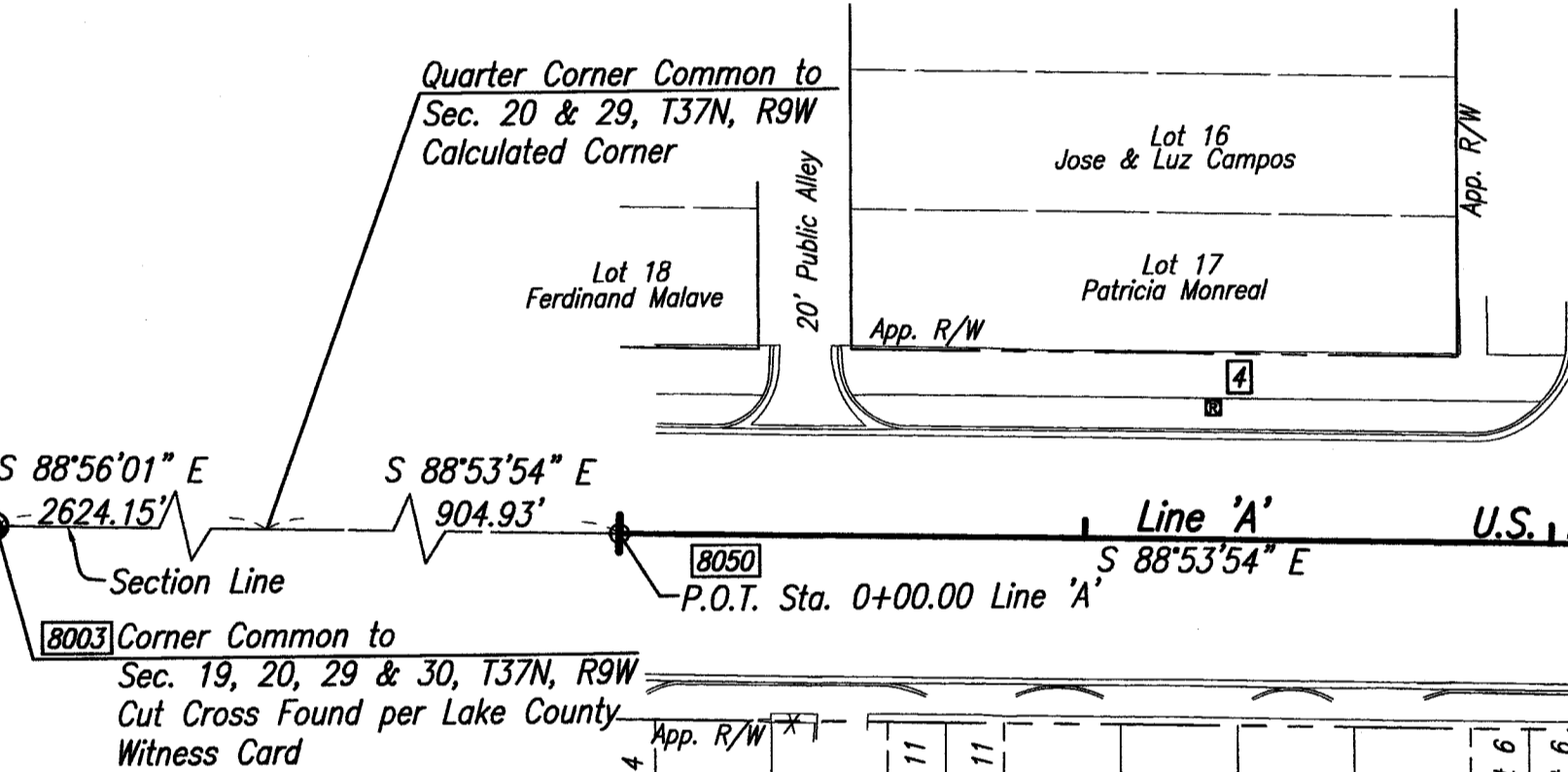
**ALIGNMENTS:**  
Line 'A' U.S. 12 (Columbus Drive)  
Line 'A' was established along the section line common to Sections 20 and 29, Township 37 North, Range 9 West of the 2nd Principal Meridian between the monument found at point 8004 and the calculated Quarter corner common to Sections 20 and 29.

Line 'S-1-A' (Railroad Avenue)  
Line 'S-1-A' was established by a best fit analysis of the split of the existing roadway pavement in conjunction with the bearing of the east curb line. No monuments were found along the existing right of way and they are believed to have been destroyed by sidewalk construction. The uncertainty of this line is estimated to be negligible.

Line 'S-2-A' (McShane Drive)  
Line 'S-2-A' was established 37.50 feet west of and parallel with a line between monuments 8011 & 8012. The uncertainty of this line is estimated to be negligible.

**Existing Right of Way:**  
The existing right of way lines, parcel ownership lines, and ownership information shown on this plat are preliminary and subject to change based on verification/validation of title. This information is shown only to help orient the user of this plat as it relates to project centerlines and is not intended to establish existing right of way lines or ownership lines. The source used to plot existing right of way lines and ownership lines is from last deed of record obtained from County Recorder's Office as well as other sources cited on this plat. The designers/consultant responsible for Right of Way Engineering will complete the final determination of this information.

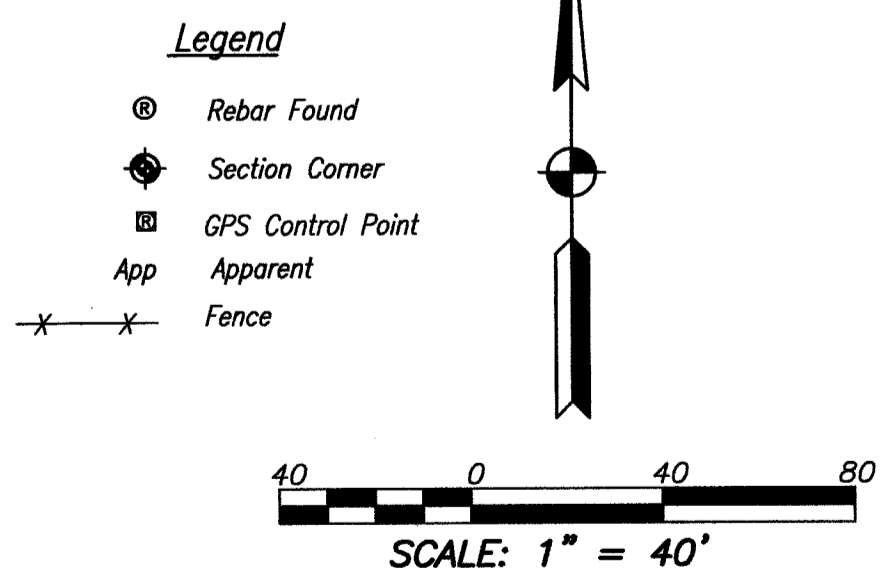
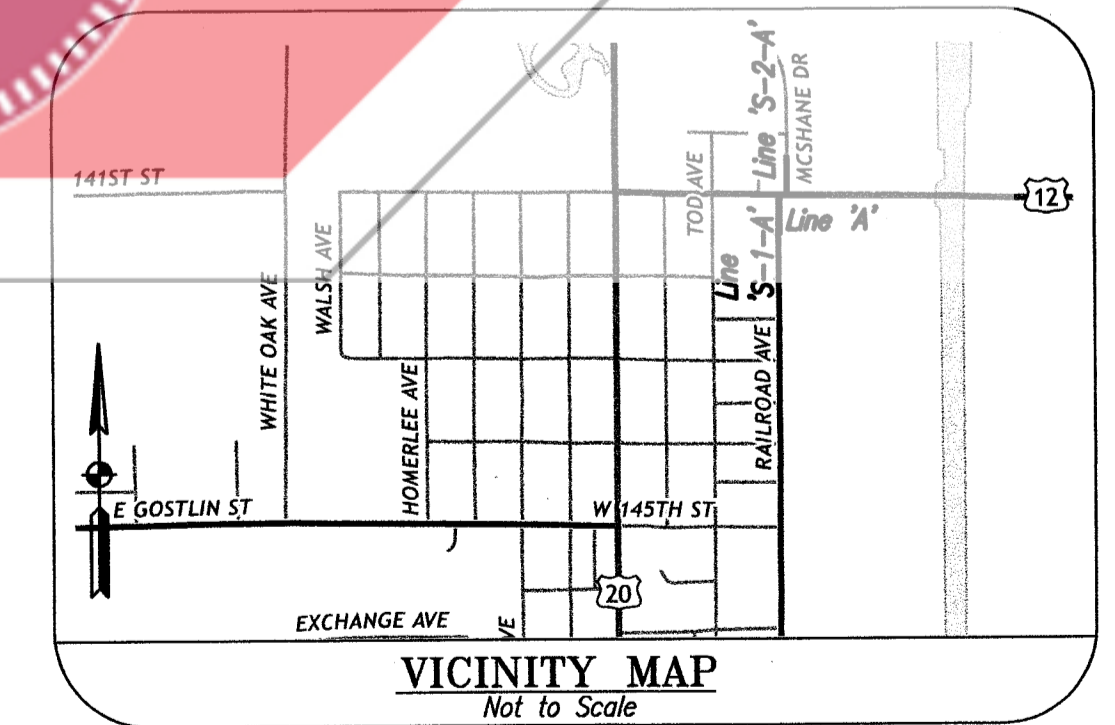
**Dates of Fieldwork:**  
Fieldwork started: 5-24-2016  
Fieldwork completed: 6-17-2016



Pt. No.	Northing	Eastng	Description
8003	2328275.930	2841464.356	Cut "X" Found
8004	2328176.444	2846722.259	Cut "X" Found
8007	2328161.032	2845479.628	5/8" Rebar Found
8011	2328436.788	2845480.674	1/2" Rebar Found
8012	2329034.825	2845481.776	5/8" Rebar Found

Pt. No.	Northing	Eastng
8050	2328209.699	2844992.823
8051	2328202.537	2845365.244
8052	2328201.047	2845442.740
8053	2328193.838	2845817.670
8054	2327802.539	2845364.109
8055	2328601.047	2845443.477

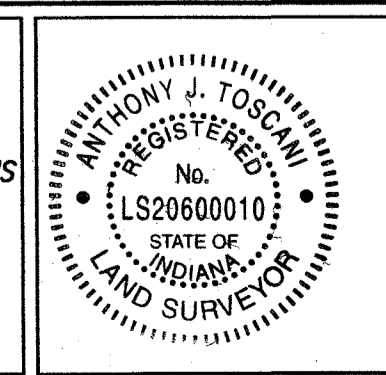
All above monumentation was found at or near grade, in good condition, and is of known origin unless otherwise noted.



I, Anthony J. Toscani, have prepared this instrument and affirm under the penalties for perjury, that I have taken reasonable care to reduce each social security number in this document, unless required by law.

**DLZ**  
316 TECH DRIVE, BURNS HARBOR, INDIANA 46304  
TELEPHONE (219) 764-4700 FAX (219) 764-4156

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 1-12-25 REGARDING ROUTE SURVEYS EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.  
Anthony J. Toscani 8/4/2016  
ANTHONY J. TOSCANI DATE  
INDIANA PROFESSIONAL SURVEYOR NO. LS20600010



LOCATION CONTROL ROUTE SURVEY PLAT	
COUNTY: LAKE	DATE: August 4, 2016
DES. NO.: 1500090	ROUTE: COLORADO STREET
U.S. 12 (COLUMBUS DRIVE)	
NORTH TOWNSHIP, LAKE COUNTY, INDIANA	
DRAWN BY: AJT	CHK'D BY: SAJ 1661-2349-70 1 OF 1