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RECORDER
STATE OF INDIANA
LAKE COUNTY
FILED FOR RECORD

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FEB 09 2021

JOHN E. PETALAS
LAKE COUNTY AUDITOR

COORDINATE LISTING: PROPERTY AND SECTION CORNER EVIDENCE FOUND

Table with 4 columns: PT.#, NORTHING, EASTING, DESCRIPTION. Lists various survey points and their coordinates and descriptions.

COORDINATE LISTING: RANDOM CONTROL POINT MINUMENTS

Table with 4 columns: PT.#, NORTHING, EASTING, DESCRIPTION. Lists random control points and their coordinates and descriptions.

SURVEYOR'S REPORT

ROUTE SURVEY for small structure replacement project, U.S. Route 41, 1.0 mile south of the junction of U.S. Route 30 in Lake County, Indiana.

LOCATED approximately in Sections 20 and 21, Township 35 North, Range 9 West, S. John Township, Lake County Indiana.

Purpose of this survey is to collect data for the design of a small structure replacement project, and to provide a basis of describing any right-of-way needed for the project. It is not a property replacement survey.

HORIZONTAL DATUM: Unless noted otherwise, all bearings, distances, areas, and coordinates shown herein are based on the Indiana Geospatial Coordinate System's (InGCS) "Lake" zone per NAD 83 (2011) epoch 2010.00 and are reported in U.S. Survey Feet and decimal parts thereof.

InGCS "Lake" Zone Parameters (also available at http://www.in.gov/indot/inGCS.htm) Geometric Datum: NAD 83(2011) epoch 2010.00 Projection Type: Transverse Mercator Central Meridian: 87°24'00" west longitude Central Meridian scale factor: 1.0000206 Latitude of Grid Origin: 40°42'00" north latitude False Northing: 36,000,000 m (118,110,000 U.S.F.) False Easting: 240,000,000 m (787,400,000 U.S.F.)

The "Lake" Zone coordinates for this project were established using the VRS-NW RTN Network at point 1400 of this survey. Local-base RTK measurements along with differential levels were used to establish the other random control points shown.

SURVEYOR'S REPORT (Cont'd)

ALIGNMENT: Line "E" is an unmonumented re-run of Line "E" of Project (Des.) No. 1298309, dated 2017, which appears to have been a re-run of Line "E" of Project No. 69 (36), dated 1961. Although no continuous monuments were found within the project area, two random control monuments were found and were used to re-establish Line "E" from the 2017 project. Specifically, control points #107 and #100 from plans for Project (Des.) 1298309 were found in place. Plan data was shifted from Plan Point 107 to the measured location of the tag nail (Point #100107 of this survey), and was rotated to Plan Point 100 aligned with the measured location of the rebar (Point 100100 of this survey). The resulting error was less than 0.04'. Stationed and offsets agreed reasonably with plan data. The northeast and southeast corners of Section 20 calculated from plan data were each within 0.18' of their locations measured this survey.

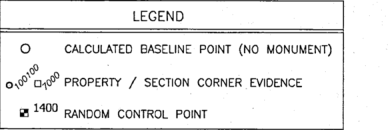
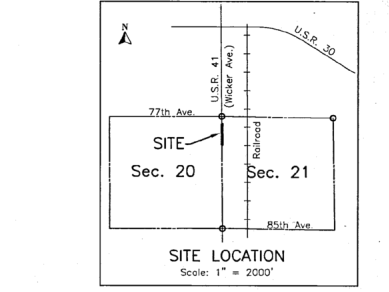
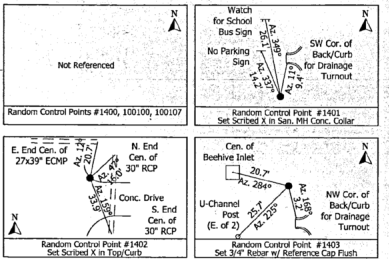
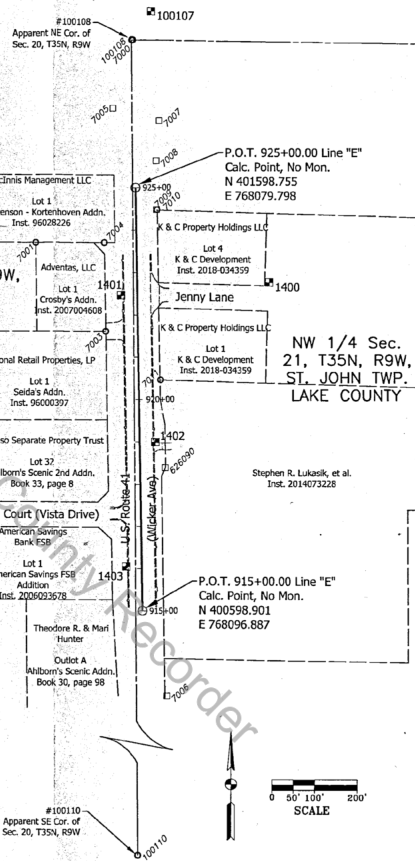
The only alignment control monument found to approximately 1 foot level of Line "E" but was not called for on plans for said project. It may have originated from some other road project.

SECTION CORNERS: Points 100108, 100110, and 100112 all represent monuments found in place, consistent with Corner Records provided by the Lake County Surveyor's Office.

EXISTING R/W: The existing R/W shown was either dedicated by subdivision plats, or was acquired from F-Project No. 69 (36), Code 0096, dated 1961. The grants for said project appear to have been recorded in a timely manner.

2021-013006

SOCIAL SECURITY REDACTION STATEMENT
I affirm, under the penalties for perjury, that I have taken reasonable care to ensure that no personally identifiable information is contained in this document, unless required by law.
Perry E. Jones
This document prepared by Perry E. Jones



Professional surveyor information block including 'SURVEY STARTED', 'FIELD SURVEYOR STATEMENT', 'SOCIAL SECURITY REDACTION STATEMENT', 'INDIANA LICENSED SURVEYOR' seal for Perry E. Jones, and project details like 'INDIANA DEPARTMENT OF TRANSPORTATION LOCATION CONTROL ROUTE SURVEY U.S. Route 41, 1.0 mile South of U.S. Route 30'.