

19/09  
1:3

2008-078467

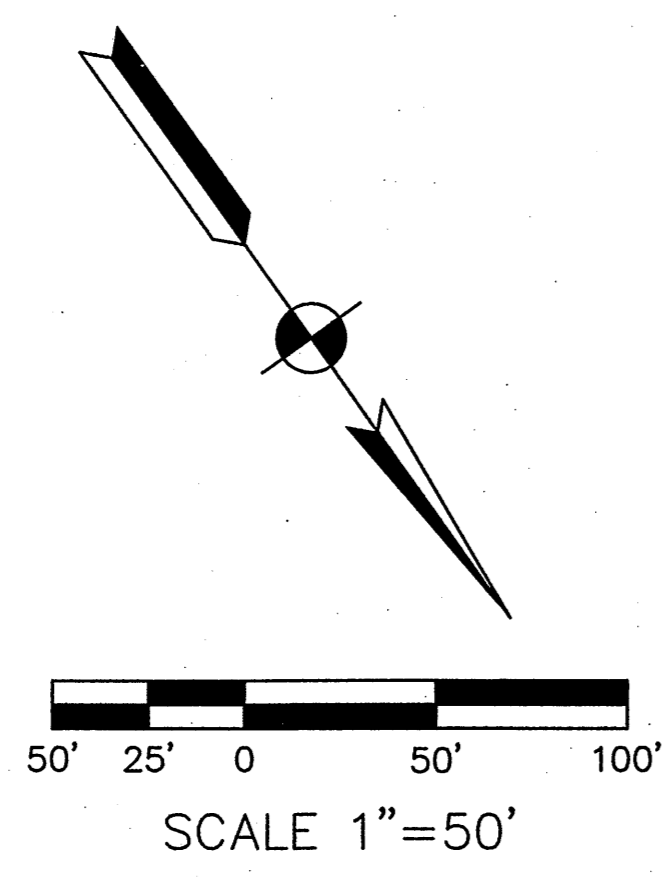
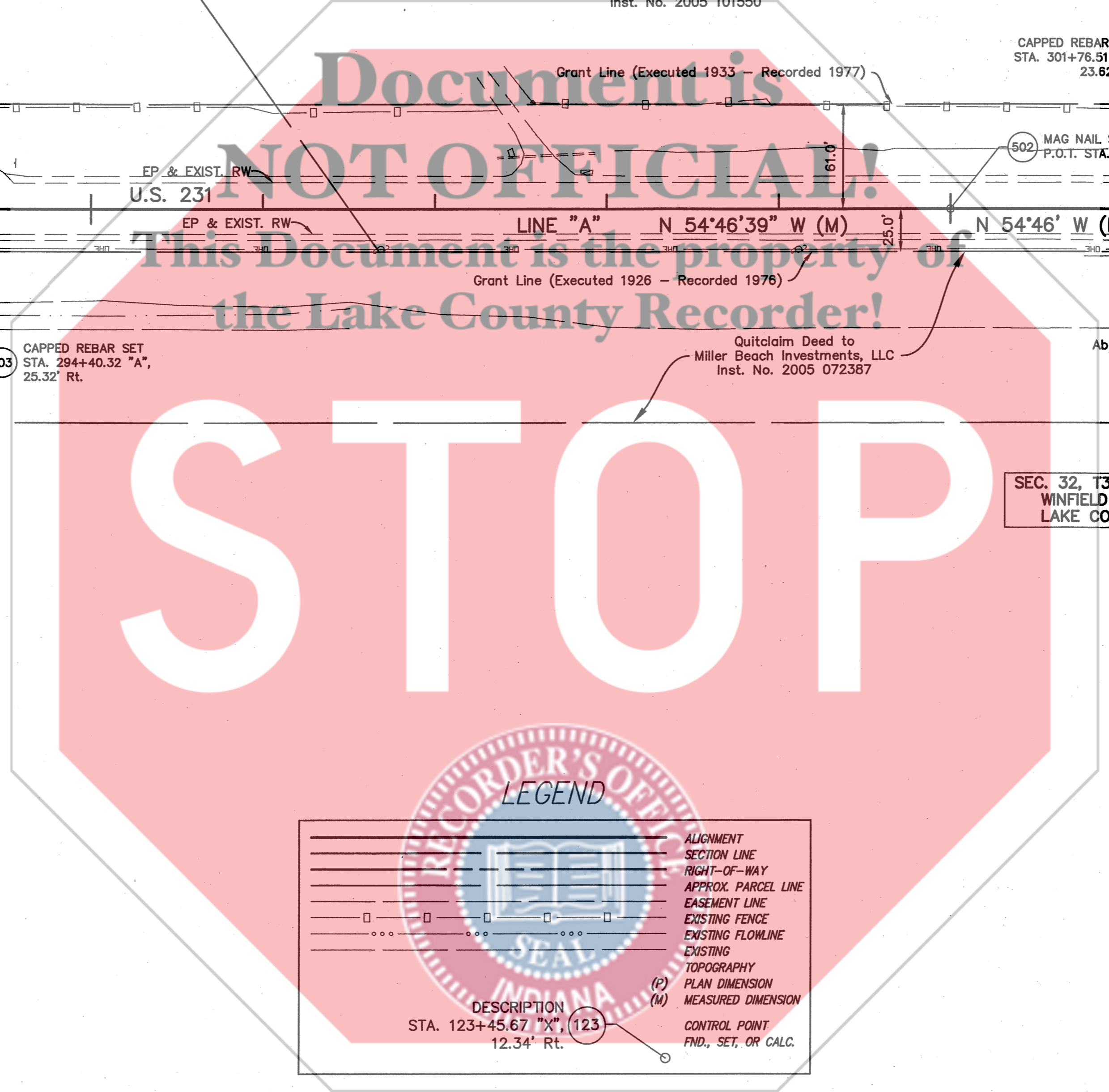
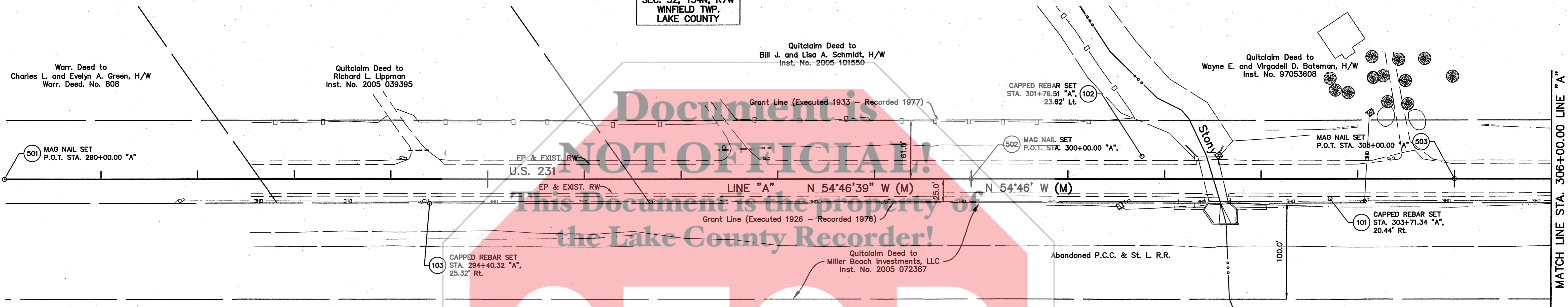
2008 078467

STATE OF INDIANA  
LAKE COUNTY  
FILED FOR RECORD  
2008 NOV 17 PM 2:17  
MICHAEL A. BROWN  
RECORDER

ak #023198  
30  
18

BOOK 19 PAGE 69

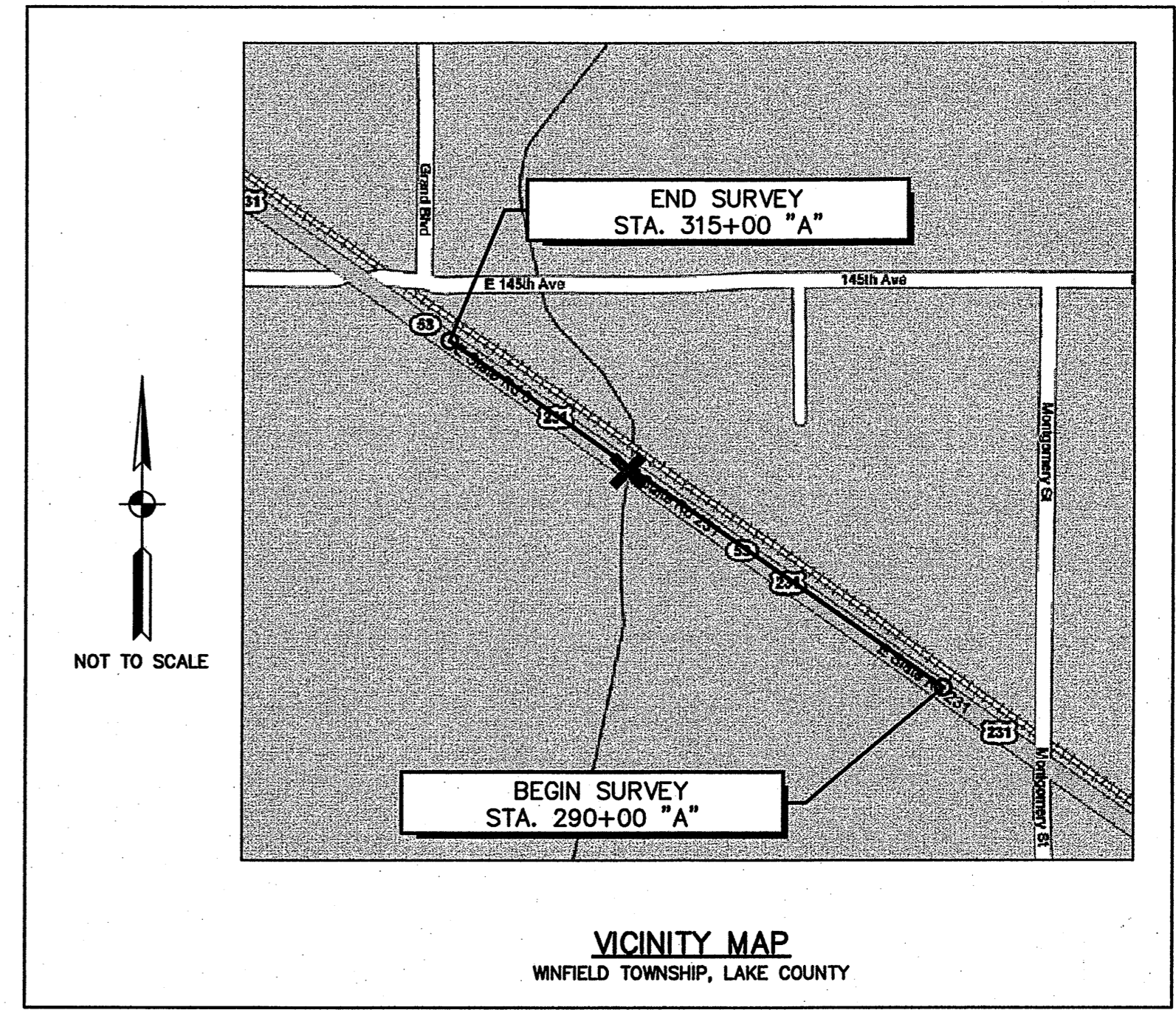
290+00 BEGIN SURVEY  
291+00  
292+00  
293+00  
294+00  
295+00  
296+00  
297+00  
298+00  
299+00  
300+00  
301+00  
302+00  
303+00  
304+00  
305+00  
306+00



RECORDER'S OFFICE  
LEGEND

|  |                        |
|--|------------------------|
|  | ALIGNMENT SECTION LINE |
|  | RIGHT-OF-WAY           |
|  | APPROX. PARCEL LINE    |
|  | EASEMENT LINE          |
|  | EXISTING FENCE         |
|  | EXISTING FLOWLINE      |
|  | EXISTING TOPOGRAPHY    |
|  | (P) PLAN DIMENSION     |
|  | (M) MEASURED DIMENSION |
|  | CONTROL POINT          |
|  | FND., SET, OR CALC.    |

DESCRIPTION  
STA. 123+45.67 "X", (123)  
12.34' Rt.



FILED  
NOV 17 2008  
PEGGY HOLINGA KATONA  
LAKE COUNTY AUDITOR

"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."  
NAME: VJBarr 11/10/2008  
VINCENT J. BARR, P.L.S.

|                   |      |
|-------------------|------|
| SURVEY STARTED    |      |
| 08-14-2008        |      |
| SURVEY COMPLETED  |      |
| 11-06-2008        |      |
| ROUTE PLAT SHEETS |      |
| 1                 | of 3 |

**VS ENGINEERING, INC.**  
4275 N. HIGH SCHOOL RD. INDIANAPOLIS, INDIANA 46254  
TEL. (317) 293-3542 FAX: (317) 293-4737

FIELD SURVEYOR STATEMENT  
THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 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.

VINCENT J. BARR  
REGISTERED  
No. 9700015  
STATE OF INDIANA  
LAND SURVEYOR

RECOMMENDED FOR APPROVAL  
Vit J. Barr 11/10/2008  
REGISTERED LAND SURVEYOR, FIELD  
DRAWN: LAW CHECKED: VJB

INDIANA DEPARTMENT OF TRANSPORTATION  
LOCATION CONTROL ROUTE SURVEY  
LINE "A"

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | DESIGNATION |
| 1" = 50'         | 0301073     |
| VERTICAL SCALE   |             |
| NONE             |             |
| SURVEY BOOK      | SHEETS      |
|                  | of          |
| CONTRACT         | PROJECT     |
|                  | STP- ( )    |

DIRECTOR...  
 2008 NOV 17 2:17 PM  
 STATE OF INDIANA  
 LAKE COUNTY  
 FILED FOR RECORD  
 MICHAEL A. BROWN  
 RECORDER



19/69  
2:3

"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."  
NAME: VS Barr 11/10/2008  
VINCENT J. BARR, P.L.S.

2008-078467

2008 078467

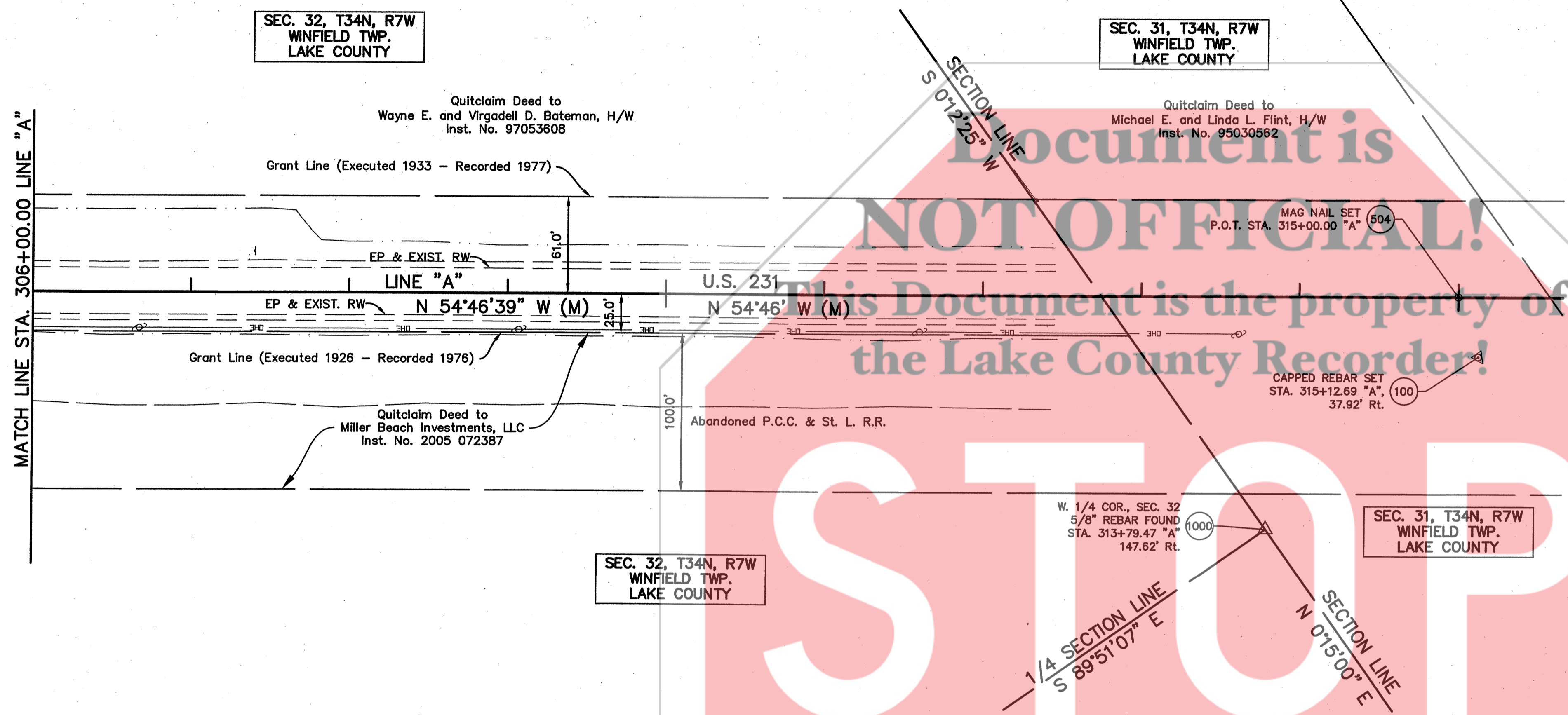
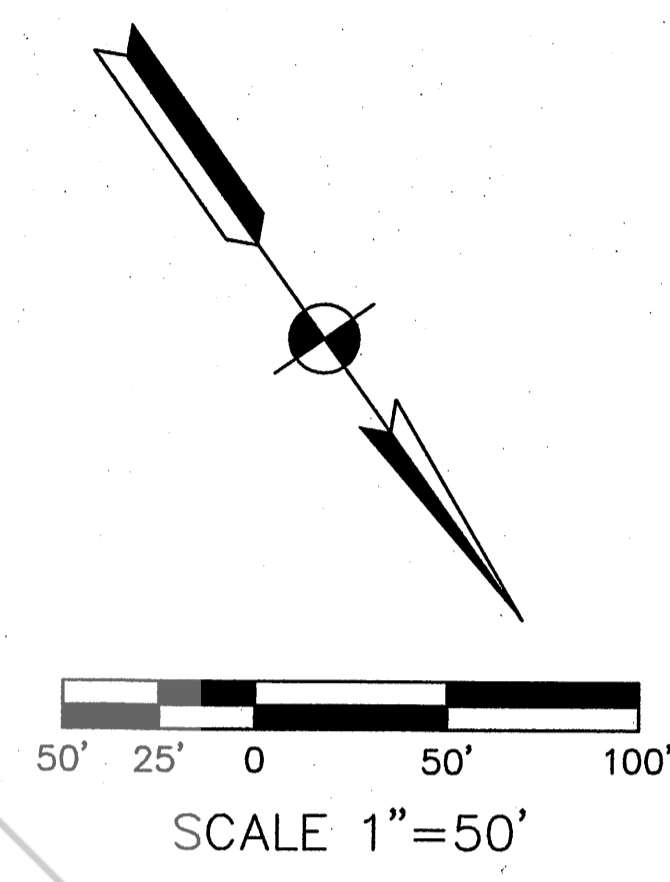
STATE OF INDIANA  
LAKE COUNTY  
FILED FOR RECORD  
2008 NOV 17 PM 2:17  
MICHAEL A. BROWN  
RECORDER

BOOK 19 PAGE 69

306+00 307+00 308+00 309+00 310+00 311+00 312+00 313+00 314+00 315+00 END SURVEY

LEGEND

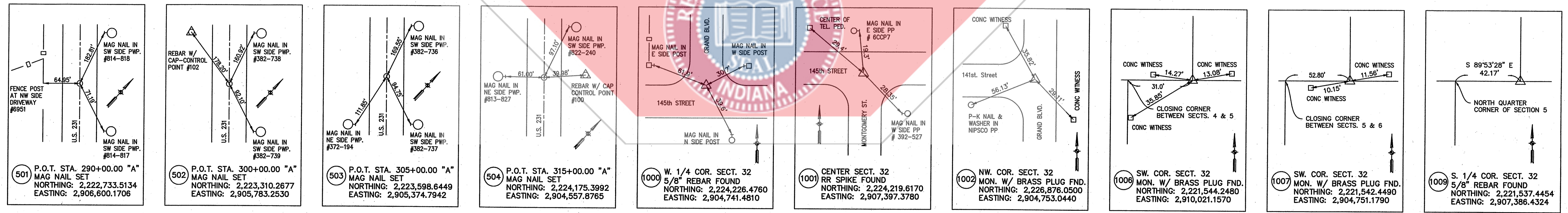
|  |                     |
|--|---------------------|
|  | ALIGNMENT           |
|  | SECTION LINE        |
|  | RIGHT-OF-WAY        |
|  | APPROX. PARCEL LINE |
|  | EASEMENT LINE       |
|  | EXISTING FENCE      |
|  | EXISTING FLOWLINE   |
|  | EXISTING TOPOGRAPHY |
|  | PLAN DIMENSION      |
|  | MEASURED DIMENSION  |
|  | CONTROL POINT       |
|  | FND., SET, OR CALC. |



MONUMENT / CONTROL TABLE

| POINT NO. | NORTH (USR)    | EAST (USR)     | MONUMENT TYPE                |
|-----------|----------------|----------------|------------------------------|
| 100       | 2,224,213.6960 | 2,904,569.3780 | REBAR W/ CAP SET             |
| 101       | 2,223,541.1380 | 2,905,491.6830 | REBAR W/ CAP SET             |
| 102       | 2,223,392.7770 | 2,905,625.4320 | REBAR W/ CAP SET             |
| 103       | 2,223,008.1520 | 2,906,255.0640 | REBAR W/ CAP SET             |
| 501       | 2,222,733.5134 | 2,906,600.1706 | MAG NAIL SET                 |
| 502       | 2,223,310.2677 | 2,905,783.2530 | MAG NAIL SET                 |
| 503       | 2,223,598.6449 | 2,905,374.7942 | MAG NAIL SET                 |
| 504       | 2,224,175.3992 | 2,904,557.8765 | MAG NAIL SET                 |
| 1000      | 2,224,226.4760 | 2,904,741.4810 | 5/8" REBAR FOUND             |
| 1001      | 2,224,219.6170 | 2,907,397.3780 | RAILROAD SPIKE FOUND         |
| 1002      | 2,226,876.0500 | 2,904,753.0440 | MONUMENT W/ BRASS PLUG FOUND |
| 1006      | 2,221,544.2480 | 2,910,021.1570 | MONUMENT W/ BRASS PLUG FOUND |
| 1007      | 2,221,542.4480 | 2,904,751.1790 | MONUMENT W/ BRASS PLUG FOUND |
| 1009      | 2,221,537.4454 | 2,907,386.4324 | 5/8" REBAR FOUND             |

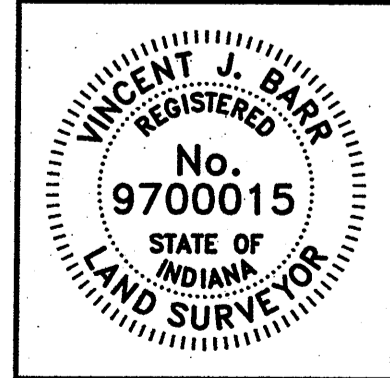
NOTE: Values are shown to four places for computational purposes only and do not represent the accuracy of measurements.



|                   |            |
|-------------------|------------|
| SURVEY STARTED    | 08-14-2008 |
| SURVEY COMPLETED  | 11-06-2008 |
| ROUTE PLAT SHEETS | 2 of 3     |

**VS ENGINEERING, INC.**  
4275 N. HIGH SCHOOL RD. INDIANAPOLIS, INDIANA 46254  
TEL. (317) 293-3542 FAX: (317) 293-4737

**FIELD SURVEYOR STATEMENT**  
THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 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.



RECOMMENDED FOR APPROVAL: V. J. Barr 11/10/2008  
REGISTERED LAND SURVEYOR, FIELD  
DRAWN: LAW CHECKED: VJB

INDIANA DEPARTMENT OF TRANSPORTATION  
LOCATION CONTROL ROUTE SURVEY  
LINE "A"

|                  |          |
|------------------|----------|
| HORIZONTAL SCALE | 1" = 50' |
| VERTICAL SCALE   | NONE     |
| SURVEY BOOK      | SHEETS   |
| CONTRACT         | PROJECT  |
|                  | STP- ( ) |

DIRECTORY: 11/2008-08-2007 US 231 - Street Run Survey (VJWBARR)  
 FILE: 11/2008-08-2007 US 231 - LRS-231.dwg  
 PLOTTED BY: VJBARR  
 DATE: 11/10/2008 10:50:08 AM - 6:28pm



19/69

2008-078467

2008 078467

STATE OF INDIANA  
LAKE COUNTY  
FIELD FOR RECORD  
2008 NOV 17 PM 2:18  
MICHAEL A. BROWN  
RECORDER

**SURVEYOR'S REPORT**

**ROUTE SURVEY OF US HIGHWAY NO. 231 OVER STONY RUN DITCH - INDOT DES NO. 0301073**

**General**

This Survey was prepared for the Indiana Department of Transportation (INDOT) in order to perpetuate the centerline alignment of US Highway No. 231 (herein called Line "A") approximately 1,000 feet each way of the small structure that carries US 231 over Stony Run Ditch. Additional tasks include relating the centerline alignment to the United States Public Land System (USPLS), and the gathering of topographic information for use in US 231 design modifications. The alignment was re-established to enable the perpetuation any existing right-of-way lines, and also for the design of any proposed right-of-way.

Parcel lines and corners shown herein have been placed per record documents acquired from Lake County government agencies and are not to be construed as defining actual property lines and corners as in a retracement or original survey.

All distances shown herein are in US Survey Feet and decimal parts thereof unless otherwise noted.

Monument reference ties are shown on the herein Location Control Route Survey Plat.

Should additional USPLS corners be needed where none were found or perpetuated, they should be acquired and/or re-established and tied to this survey.

The herein project is located in the southwest quarter of Section 32, Township 34 North, Range 7 West in Winfield Township, Lake County, Indiana

**Horizontal Datum**

The horizontal datum for this project is a local ground system that has been transformed from the Indiana West Zone of the State Plane coordinate System, NAD83(CORS96). Coordinates were established by GPS observations utilizing a Real Time Kinematic Network maintained by Positioning Solutions Company of Indianapolis. The State Plane Coordinates have been transformed to a local coordinate system by scaling around Point Number 102 by a combined scale factor of 1.000059013 (grid to ground). All coordinates given herein are ground, and all distances are in US Survey Feet unless otherwise stated.

**Vertical Datum**

The vertical datum is based on NGS Bench Mark "T 138 1946" found on East 129th Avenue in good condition 480 feet east of Randolph Street. Per NGS, the elevation is 726.37 (NAVD 88), which is the basis of elevations of the herein survey. All level circuits were performed to at least third order accuracy with an allowable error of  $\pm 12 \text{ mm } \sqrt{K}$ ; where K is the length of the circuit in kilometers. Temporary benchmarks were set along the route for easy retrieval during construction.

**Alignments and Right-of-way**

The centerline of US 231 has been perpetuated from Indiana State Highway Commission plans for Federal Aid Project No. 103 - Sec. A for the Hebron - Crown Point Road, prepared in 1926, and the corresponding field book for said project numbered 5851. Alignment monumentation was set along the route for easy retrieval during construction.

At the time of 1926 design and construction, US 231 lied southwesterly of and adjoined the P.C.C. and St. L. Railroad right-of-way, which was 100 feet wide. The proposed centerline was to lie 75 feet southwesterly of the centerline of the southwestern set of rails per the plans. These rails, per the field book, apparently ran along the centerline of the railroad right-of-way. The Indiana State Highway Commission was granted 50 feet of right-of-way (25 feet each side of the plan centerline) in 1926 and later granted 61 feet of right-of-way left of the plan centerline in 1933. The 61 foot line is shown on the herein survey, however, is not called the apparent right-of-way due to the fact that the grants were not recorded until 1976 and 1977 respectively. The Indiana Department of Transportation (INDOT) regards these grants as being recorded in an untimely fashion. Per INDOT, the transfer of land or land rights is to be in writing and duly recorded. Therefore, VSE has shown herein that the edge of the traveled way is the apparent existing right-of-way.

The Bateman deed makes no reference to US 231. The Lippman and Green deeds lie south of the southwesterly line of State Highway No. 53. It is apparent, per acreage calculations, that when these 2 deeds were written, a 61 foot right-of-way was believed to exist. The north-south lines of these properties have been shown herein as crossing US 231 and intersecting the southwestern line of the abandoned railroad. This southwestern line is shown as the property line in the field book from which the US 231 right-of-way was granted in 1926.

Though the railroad has since been abandoned, fence posts remain in tact along the northeastern side of the old railroad. A best fit line has been established through these posts and offset 125 feet to the southwest to define the centerline alignment of US 231 for this survey. This works well with the centerline of the existing pavement (generally all within 0.2 feet +/-). The railroad bridge located at Station 302+63, right, still exists and the alignment's stationing defined therefrom. This works well with the section line crossings of the alignment (+/- 1.5 feet).

**USPLS Section Corners and Lines**

The Lake County Surveyor's office maintains perpetuation records of the section corners monumenting the USPLS within the county. Monuments were found that the northwest, southwest, and southeast corners of Section 32, Township 34 North, Range 7 west per those references. Monuments of unknown origin were found and accepted at the west quarter, center, and south quarter corners of said section. Without proof that the section and quarter section corners utilized this survey were set at the originally monumented corner locations (established by the Federal Government), the fact that this surveyor has accepted the corner, as monumented and perpetuated, does not necessarily make it correct. Therefore, the location of any of the listed corners may be contradicted and overcome by undiscovered evidence. Furthermore, because a dimensional value of the uncertainty with regard to these corners is subjective, the uncertainty that revolves around these corners is unknown. The uncertainty that revolves around the corners that have been calculated this survey shall accept the uncertainty of those monuments from which they were derived.

**Relative Positional Accuracy**

The overall relative positional accuracy of the points due to random errors in measurement falls within the accuracies of those defined for an Urban Survey ( $\pm 0.07$  feet plus 50 parts per million) but, does not exceed  $\pm 0.5$  feet. Those points that fall within these parameters are Control points, Public Land System Corners (both found and set) and property monuments. This includes all points shown on the herein survey.

**Uncertainties**

**Due to record monumentation:**

Those monuments set on the survey line and those monuments set as control points listed herein are considered to be original monuments with no apparent error associated with them with the exception of Relative Positional Accuracy. Refer to the paragraph above for discussion regarding uncertainties in the USPLS Section Corners.

**Due to occupation or possession lines:**

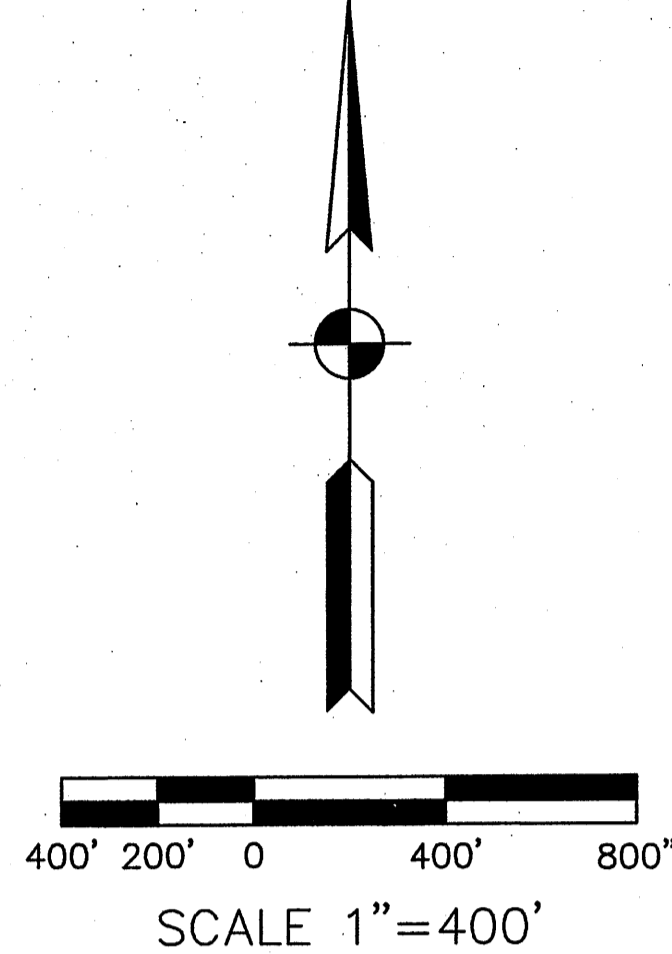
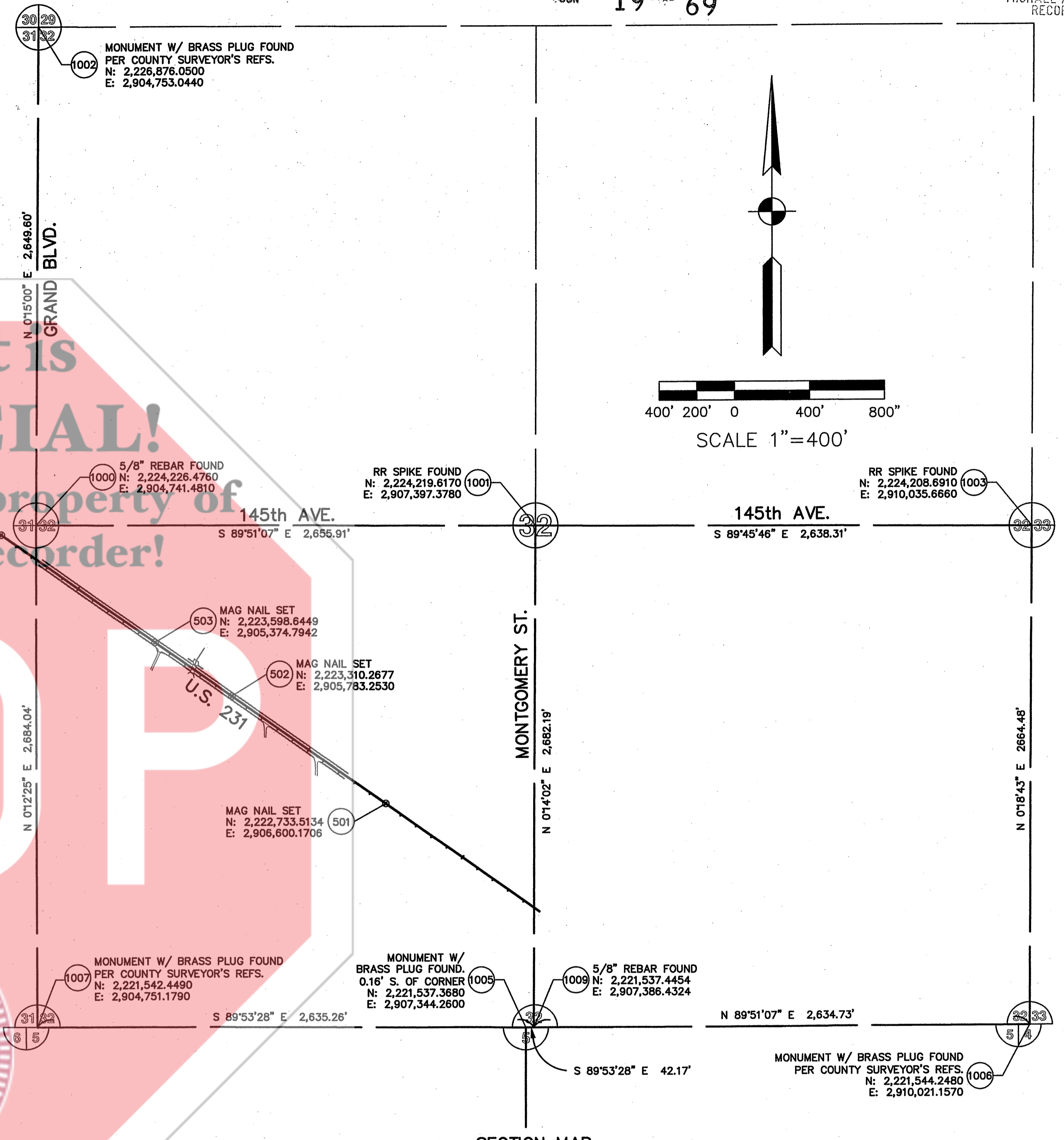
Occupation lines are sparse and at times non-existent. Uncertainty which revolves around occupation lines would be speculative. The physical centerline of US 231 (as mentioned above) lies within 0.2 feet of perpetuated line. The fence line shown on the southwestern side of US 231 meanders from approximately 1 foot to 5 feet off of the 61 foot grant line. The power line shown on the northeastern side of US 231 generally runs 1.5 feet inside the 25 foot grant line.

"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."

NAME: V. J. Barr 11/10/2008  
VINCENT J. BARR, P.L.S.

Document is NOT OFFICIAL!  
This Document is the property of the Lake County Recorder!

STOP



SECTION MAP  
PART OF SECTIONS 31 & 32, TOWNSHIP 34 NORTH,  
RANGE 7 WEST, WINFIELD TOWNSHIP, LAKE COUNTY

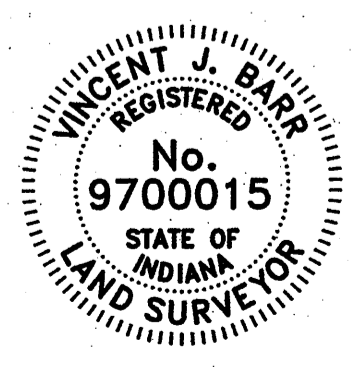
INDOT PROJECT NO. 0301073 - STONY RUN SURVEY DRAWINGS  
DRAWN BY: VJB  
CHECKED BY: VJB  
DATE: 11/10/2008 - 8:45am

|                   |            |
|-------------------|------------|
| SURVEY STARTED    | 08-14-2008 |
| SURVEY COMPLETED  | 11-06-2008 |
| ROUTE PLAT SHEETS | 3 of 3     |

**VS ENGINEERING, INC.**  
4275 N. HIGH SCHOOL RD. INDIANAPOLIS, INDIANA 46254  
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RECOMMENDED FOR APPROVAL: V. J. Barr 11/10/2008  
REGISTERED LAND SURVEYOR, FIELD

DRAWN: LAW CHECKED: VJB

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**LOCATION CONTROL ROUTE SURVEY**  
**LINE "A"**

|                  |          |             |          |
|------------------|----------|-------------|----------|
| HORIZONTAL SCALE | As Shown | DESIGNATION | 0301073  |
| VERTICAL SCALE   | NONE     | SURVEY BOOK |          |
|                  |          | SHEETS      | of       |
|                  |          | CONTRACT    | PROJECT  |
|                  |          |             | STP- ( ) |