

**INDIANA HIGH ACCURACY
REFERENCE NETWORK
(HARN) FINAL REPORT**

by:

**Dr. Boudewijn H.W. van Gelder,
David J. VandenBerg, and
Aaron W. Braun**

March 2000

Publication No: SP-1-2000

**Indiana Local Technical Assistance Program
School of Civil Engineering
Purdue University
1284 Civil Engineering Building
West Lafayette, IN 47907-1284**

**Phone: (765) 494-2164
Toll-Free in Indiana: 1-800-428-7639
Fax: (765) 496-1176**

PURDUE UNIVERSITY



March 17, 2000



INDIANA LTAP
*LOCAL TECHNICAL
ASSISTANCE PROGRAM*

Attn: Local Public Agency (LPA) Official

Dear LPA Official:

Attached is a copy of the "Indiana High Accuracy Reference Network (HARN) Final Report". This report is a summary of the information gathered from the survey conducted by the National Geodetic Survey (NGS), Schneider Inc., and Woolpert, LLP for the High Accuracy Reference Network in Indiana. Also included is a copy of the station description and a location map of the HARN station(s) in your respective county.

This report has three main areas of interest. First, a brief discussion on the need for the Indiana HARN and why this was an important task. Second, a summary of the details surrounding the Indiana HARN survey. Finally, the station description of the HARN point in your county is attached with a map of the general area surrounding this point. We have also included a discussion on monument preservation with tips on how keep the high accuracies associated with your point(s). Also, a section is included on how the HARN is being used in Indiana with a few success stories.

We have included three tables listing all of the HARN points in Indiana organized in different ways for easy location. We encourage you to visit the web site we have dedicated to the Indiana HARN when conducting research for surveys in your county. Each point is listed with the station description and map, as in this report, but it also has the NGS Data Sheet with the current coordinates for each point. The web address is Located at <http://bridge.ecn.purdue.edu/~oisga/>. The data sheets are accessed by clicking on the PID, and the station description is accessed by clicking on the four-character ID.

It is our hope that your LPA will find this report useful and informative. We encourage you to use the web site for information on using the HARN or contact us with any questions concerning the HARN at the number listed below.

Sincerely,

A handwritten signature in black ink that reads "Tom Martin".

Tom Martin
Program Manager
Indiana LTAP

AWB/

DISTRIBUTION LIST

- County Commissioners (President)
 - County Auditors
 - County Surveyors
 - County Highway Engineers/Directors
 - County Highway Supervisors
 - County Highway Bookkeepers/Clerks
 - County Planning Director

 - City Mayors
 - City Engineers
 - City Street Commissioner
 - City Traffic Engineer/Officer
 - City Planning Director

 - Town Council President
 - Town Manager/Administrator
 - Town Clerk/Treasurer
 - Town Street Superintendent

 - Indiana LTAP Staff
 - Indiana LTAP Resource Library
 - Indiana LTAP Advisory Board

 - APWA/LTAP Clearinghouse
 - JTRP Library
- INDOT Central Office/Division Chiefs
 - INDOT District Directors
 - Indiana Department of Environmental Management
 - Indiana Department of Natural Resources
 - Indiana Society of Professional Land Surveyors Chapters

 - APWA, Indiana Chapter
 - Association of Indiana Counties
 - Consulting Engineers of Indiana
 - Indiana Association of Cities and Towns
 - Indiana Association of County Comm.
 - Indiana Association of County Highway Engineers and Supervisors (Jerry Larson)
 - Indiana Constructors, Inc.
 - ITE, Indiana Section
 - Metropolitan Planning Organizations

 - Utility Contacts
 - Consultant Contacts
 - Contractor Contacts
 - Vendor Contacts

 - Purdue Faculty (Dr. van Gelder)

ACKNOWLEDGMENTS

Special thanks to all of the individuals, agencies, and municipalities whose time, energy and financial support helped to make the Indiana HARN a reality.

Table of Contents

	Page
List of Symbols.....	iii
1. the Need for Higher Accuracy Datums.....	1
2. Summary of the Indiana HARN.....	6
3. Monument Preservation.....	10
4. HARN Success Stories.....	13
List of References	15
Appendix A. Maps of HARN Stations	18
Appendix B. Tables of HARN Stations.....	26
HARN Stations sorted by Four Character I.D.....	27
HARN Stations sorted by Designator.....	31
HARN Stations sorted by County.....	35
Appendix C. HARN Station Descriptions	39

List of Figures

	Page
Figure 1.1. HARN's by year (ACSM Journal Sept./Oct. 1998).....	2
Figure 1.2. HARN Density (ACSM Journal Sept./Oct. 1998).....	3
Figure 2.1. Indiana HARN.....	7
Figure 3.1. Monument at Q 94.....	10
Figure A.1. Indiana HARN.....	19
Figure A.2. Indiana HARN - Crawfordsville District.....	20
Figure A.3. Indiana HARN - Fort Wayne District.....	21
Figure A.4. Indiana HARN - Greenfield District.....	22
Figure A.5. Indiana HARN - LaPorte District	23
Figure A.6. Indiana HARN - Seymour District.....	24
Figure A.7. Indiana HARN - Vincennes District	25

LIST OF SYMBOLS

Coordinate Systems

λ	Geodetic Longitude
ϕ	Geodetic Latitude
h	Ellipsoidal Height
Λ	Astronomic Longitude
Φ	Astronomic Latitude
H	Orthometric Height
x	Earth Centered-Earth Fixed (ECEF) coordinate as measured, in the equatorial plane, along the axis that intersects the Greenwich Meridian
y	ECEF coordinate as measured, in the equatorial plane, along on the axis which lies 90° counterclockwise of the X-Axis
z	ECEF coordinate as measured along the axis that intersects the Conventional International Origin (CIO), otherwise known as the North Pole
M	Radius of Curvature in the Meridian
N	Radius of Curvature in the Prime Vertical
N_g	Geoid Undulation
t	Time

1. THE NEED FOR HIGHER ACCURACY DATUMS

The pressure on land use and the concomitant requirement for accurate mapping is ever increasing in the State of Indiana, as elsewhere in the USA. The use of Geographical Information Systems (GIS) is a powerful tool to keep abreast of developments of land use, or the maintenance of systems monitoring that land use. The backbone of any GIS is the spatial geometry of the map base, supplied by surveyors and non-surveyors alike. The versatility of GIS, or for that matter, any other survey application propels the demands of the users for ever increasing positional accuracies. Correspondingly, the geometric backbone of the map base demands accuracy improvement as well.

The reference system used in the United States prior to 1986, the North American Datum of 1927 (NAD27), was limited to an accuracy of ± 10 meters at the national scale. This was due to limited measurement capabilities, transits and steel tapes, and limited mathematical computation techniques. With the invention of the Electronic Distance Meter (EDM) and the computer, not only were measurements improved but accurate computations were obtainable. Thus, the national survey network was readjusted in 1986 to build the datum known as the North American Datum of 1983 (NAD83). NAD83 has an accuracy of ± 1 meter at the national scale. However, by the late 1980's NAD83 proved to be insufficient for those surveyors using GPS, who could obtain centimeter accuracy for large area surveys.

GPS is the Department of Defense (DoD) solution to accurate, real-time positioning for its global operations. In 1973 the Joint Program Office (JPO) was instructed by DoD to develop and deploy a space borne positioning system (Hofmann-Wellenhof, 1994). The result of this program is the *NAVigation System with Time and Ranging Global Positioning System* (NAVSTAR GPS), a series of 24 (plus) satellites orbiting the earth. The satellites are orbiting the earth about 20,000 kilometers (about 12,000 miles) above its surface. This gives the satellites an orbital period of 12 hours. Every millisecond each satellite transmits a digital message, telling active receivers where it is in time and space. It is important to realize that this is not only a positioning system, but also a timing system. Thus, a receiver is not only solving for its three-dimensional position ($[x, y, z]$ or $[\lambda, \phi, h]$) but also for the time (t), refer to the "List of Symbols" on page *iii*. Since there are four unknowns (the $[\lambda, \phi, h, t]$ dimensions at the receiver), four equations must be formed to solve for these four unknowns. This requires that four GPS satellites to be observed to form the four equations.

The first step in the HPGN program has been to establish a High Accuracy Reference Network (HARN) for each state. The program began in 1987 in Tennessee, with Tennessee DOT asking the National Geodetic Survey (NGS) to help with GPS observations. In the following years, the NGS went from state to state making GPS observations. The current situation is that the vast majority of states have either established or are preparing a HARN to bridge this gap between the accuracies of the existing control and the precise opportunities provided by the modern spatial (GPS) survey techniques.

Stations observed by the NGS were named Federal Base Network (FBN) stations, while those observed by the participating state and local agencies were dubbed Cooperative Base Network (CBN) stations. The difference between FBN's and CBN's is that the NGS must maintain FBN's, while states must maintain their own CBN's. The NGS will replace damaged FBN's and re-observe them (with GPS) every three to five years.

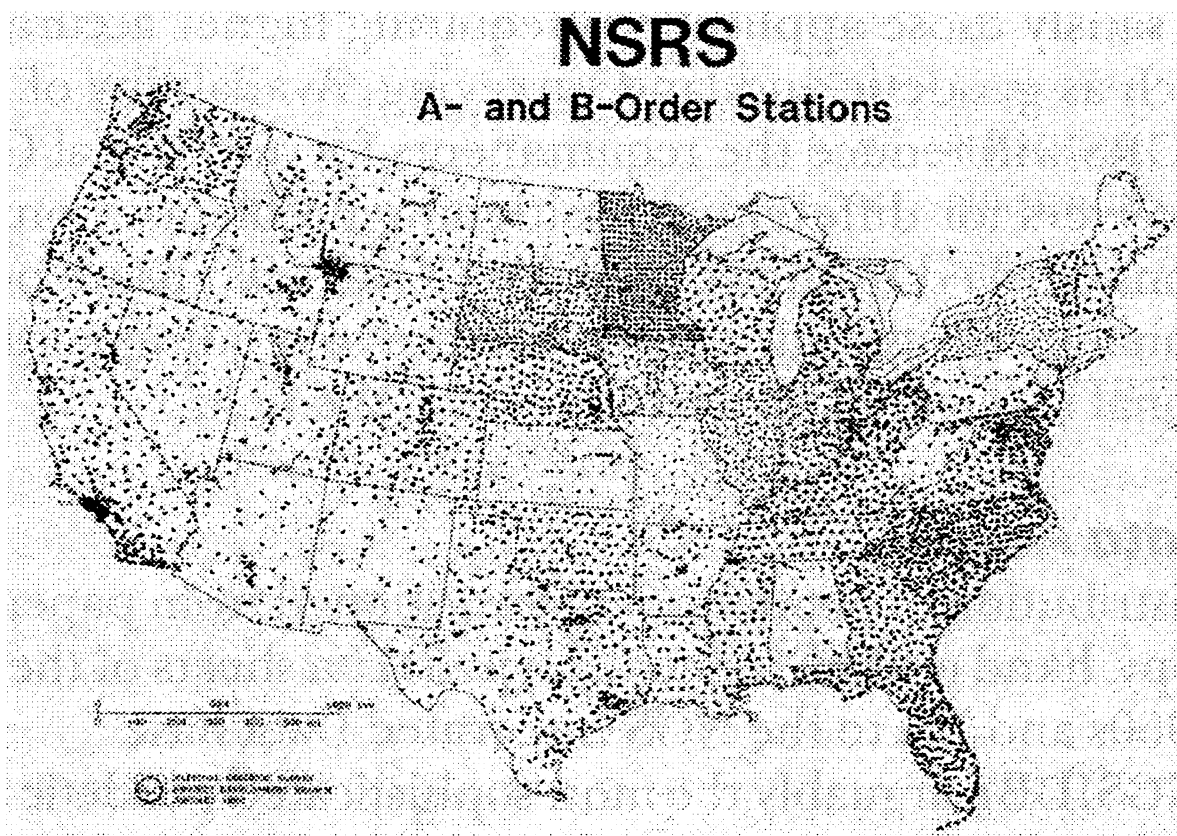


Figure 1.2. HARN Density (ACSM Journal Sept./Oct. 1998)

The HARN's have been adjusted so that they are consistent with the NGS's Continuous Operating Reference Station (CORS) network. CORS is part of a series of worldwide stations that monitor GPS with centimeter accuracy. These are used for measuring continental drift,

variations in the rate at which the earth rotates, better determination of the earth's center of mass, and movement of the earth's spin axis. The coordinates of the CORS stations are always changing, primarily due to plate tectonics. In Indiana, this is only about a centimeter per year; however, relative positions (in Indiana) are not affected.

With the completion of the Indiana HARN, every state's HARN is complete. Now the NGS will begin the task of readjusting the entire nation. First, the NGS will re-observe all of the FBN stations, which they have been mandated to do every three to five years. Then, the computed readjustment will occur, in approximately 2002. The entire National Spatial Reference System (NSRS) along with the Canadian Spatial Reference System (CSRS) will be adjusted into the International Terrestrial Reference System (ITRF), by constraining everything to the adopted coordinates (and coordinate changes) of the CORS stations. This adjustment will be the last time that classical survey data (triangulation, traverse, trilateration, inertial, and photogrammetric) will be adjusted. All successive adjustments of the NSRS will no longer use the classical surveying measurements.

While many view the readjustment of datum's as a "hassle", there are more benefits to a better datum than disadvantages. Having a constantly updated reference datum will require research of the previous coordinates of the stations. This research can be conducted at the website dedicated to the Indiana HARN at <http://bridge.ecn.purdue.edu/~oisga> or at the National Geodetic Survey web site at <http://www.ngs.noaa.gov>. When all of the geodetic control station have decimeter (0.1m) discrepancies, the troubles of deciding what stations to constrain in the least-squares adjustment can be eliminated.

Note that the HARN stations are on a different coordinate system than are other (NGS) geodetic stations in Indiana. The HARN station coordinates are designated as "*NAD 83 (1997)*", meaning that they are from the 1997 readjustment. "Normal" horizontal control stations are designated as "*NAD 83 (1986)*", meaning that they were adjusted in the original 1986 adjustment of the North American Datum of 1983. If one mixes HARN and non-HARN stations, one may find about a half-meter (1.5 ft.) difference between the two adjustments. This discrepancy will be resolved once the entire nation is readjusted in approximately the year 2002. The new datum will be consistent with the geocentric datum used by the GPS system, making GPS surveys more consistent with the datum, rotations to the network will be minimized.

The NGS has developed software named NADCON that is the Federal standard for NAD 27 to NAD 83 datum transformations. NADCON uses a 15 arc-minute grid to model regional shifts, for regional applications this method is considered to be good to within 2-3cm. Thus, NADCON is recommended for converting coordinate data for mapping, low-accuracy surveying, or

navigation. This method has the advantage of modeling regional distortions, something the seven-parameter transformation cannot do. Large errors can occur when there is regional distortion and geodetic networks are not extensively tied together.

The NGS has developed HPGN conversion files to be used with NADCON that convert *NAD83 (1986)* to *NAD83 (1997)*, and vice-versa. Fortunately, the HPGN file for Indiana has recently been released. It is available from <ftp://ftp.ngs.noaa.gov/pub/pcsoft/nadcon>, the files are designated as *inhpgn.las* and *inhpgn.los*, Latitude Shift and Longitude Shift files, respectively.

The U.S. Army Corp. of Engineers (USACE) produces NADCON, and thus it is freely available for public download via the Internet. It may be obtained from the USACE Army Topographic Engineering Center home page (<http://www.tec.army.mil>, then follow the links to *software* and then *CORPSCON*). CORPSCON is built from the NGS programs for mapping Universal Transverse Mercators (UTM) and State Plane Coordinates, the datum transformation programs NADCON and VERTCON (NAVD29 to/from NAVD88, the U.S. vertical datum's), and the geoid undulation program GEOID96. Current versions also accommodate the HPGN (HARN) files. It should be noted that some hand editing of the CORPSCON software is necessary since the Indiana HPGN file has recently been released. It is suggested to visit CORPSCON's web site periodically to obtain the most current version. Currently the program is about 10Mb since GEOID96 is included.

2. SUMMARY OF THE INDIANA HARN

The existing geometric infrastructure of Indiana lacks accuracy to support GPS surveys. A committee under the chairmanship of Mr. Bob Wilkinson well recognized this point. This committee, THE GEODETIC CONTROL TECHNICAL ADVISORY TASK FORCE, wrote a report "The Need for a High-Precision State-Wide Geodetic Control Network in the State of Indiana" (Wilkinson et al., 1990). In the nineties, it became high time to pay heed to the recommendations of this report.

State Representative Sue Scholer brought a bill to the Indiana Legislature, and In May 1995 Governor Bayh signed House Bill No. 1036 into law: the Office for the Indiana State Geodetic Advisor (OISGA) be created at Purdue University. The first task of OISGA was to raise awareness and support for the Indiana HARN. The NGS was to come into Indiana and establish FBN stations; OISGA was to coordinate the selection and observation of CBN stations between the NGS and the state and county participants.

Dr. Boudewijn van Gelder, associate professor of Geomatics Engineering (Civil Engineering) at Purdue University, was appointed by the Purdue University's Board of Trustees as the State Geodetic Advisor in August 1996. The law allowed Purdue University to create OISGA. OISGA was created within the former Highway Extension and Research Project for Indiana Counties and Cities (HERPICC), now the Indiana Local Technical Assistance Program (LTAP), under the direction of Professor Charles Scholer.

The first focus of the OISGA was to begin generating interest in the HARN. The same bill that created OISGA allows County Surveyors to spend section corner perpetuation monies on a "one-HARN-benchmark-per-county" station. Each HARN station costs about \$3,000, since high accuracy surveying at large scales is costly, in man-hours and monetarily. A great deal of time goes into the selection of stations, the observation sessions where GPS receivers are set on the station to collect satellite signals, and the data processing process where solutions are found and errors are debugged.

The first phase of the HARN established 126 stations in Indiana. The NGS, Schneider Inc., Plumb Tucket & Associates, Indiana Department of Transportation (INDOT), Indiana Department of Environmental Management (IDEM), and many others made observations in the

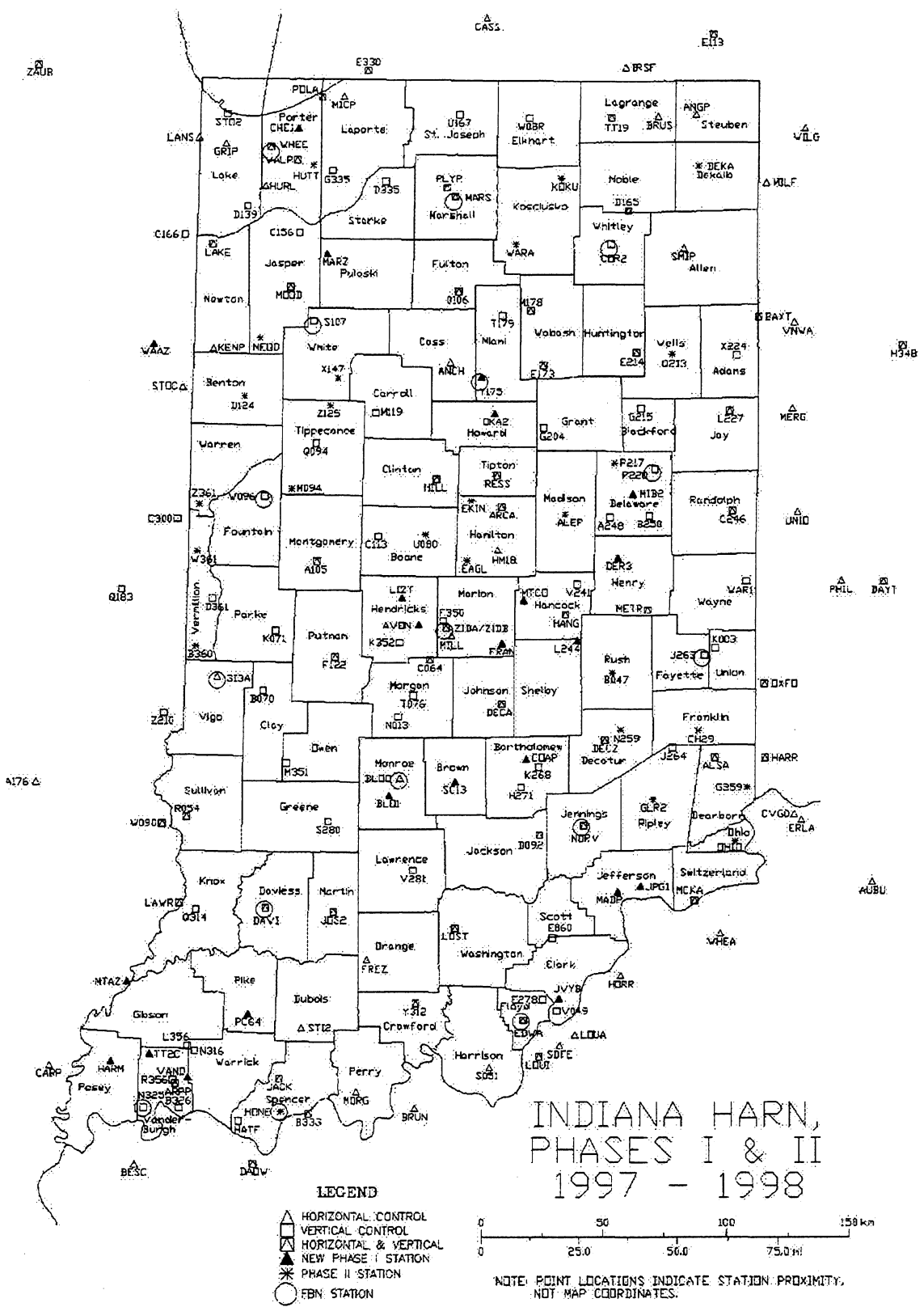


Figure 2.1. Indiana HARN

summer of 1997. Data processing was undertaken by the NGS, the first phase results were accepted by the National Geodetic Survey (NGS) in early May 1998.

After the first phase of the Indiana HARN, the average correction to the existing monumentation was in the order of 0.777 feet. The largest corrections in the state were given to DECALB and NORTH VERNON, which “moved over” an astonishing 3.966 and 12.100 feet, respectively.

For the second phase of the HARN, Woolpert L.L.P. was contracted, by the Office of the Indiana State Geodetic Advisor (OISGA), to observe an additional 25 stations in Indiana. Observations took place during the summer of 1998. The NGS did not make any observations in the second phase of the HARN. The phase 1 stations HONEY, G359, & GLASGOW RM 2 were resurveyed in the second phase, due to suspected monument motion. The second phase results, submitted to the NGS by Woolpert, have been approved and posted since early April 1999.

The Indiana HARN consists of 148 A-order and B-order GPS survey stations. NGS specifications for A-order GPS survey stations require a relative baseline accuracy of 5 mm + 0.1 PPM (one-tenth of a Part Per Million or 1:10,000,000). B-order GPS survey stations require a relative baseline accuracy of 8 mm + 1 PPM. At the county scale, baseline accuracies of $\pm 35 - 40$ mm (approximately 1½ inches) or better can be expected. At the national scale, stations in the National Spatial Reference System (NSRS), of which the Indiana HARN is a part, are considered to have an accuracy of ± 100 mm (4 inches).

Three A-order stations were established in the first phase of the Indiana HARN. They include the reference markers ZID A and ZID B for the proposed Continuous Operating Reference Station (CORS) at the Indianapolis International Airport (IND). The final A-order HARN station is BLOOMINGTON NCMN 7291, a station visited by mobile Very Long Baseline Interferometry (VLBI) in 1987 as part of the NGS National Crustal Motion Network (NCMN). All other first and second phase stations are B-order.

Each of the Indiana counties has at least one HARN station; note that the NGS datasheet places station E 60 in Clark County, however it is believed to be north of the county line in Scott County. Porter and Vanderburgh counties have the most HARN stations with six stations each.

The NGS has designated 17 of the Indiana HARN stations as Federal Base Network (FBN) stations. These stations will be critical in the readjustment of the NSRS by the NGS. They are dispersed evenly over the state, with the exception of ZID A and ZID B at Indianapolis International Airport.

To make HARN stations as accessible as possible, the OISGA has built a web page with maps of the Indiana HARN and tables of the HARN stations. The lists contain hyperlinks to the appropriate NGS datasheets for further site research by (Indiana) Surveyors. This web site is located at: <http://bridge.ecn.purdue.edu/~oisga>

The NGS datasheets contain the current coordinate location of the station, along with the coordinate position of the station in previous adjustments (i.e.: NAD 83 and NAD 27), if these are known. A description of how to get to the site is also given in the datasheet. Recently, location maps have been added to the site descriptions for easy recovery of the points.

3. MONUMENT PRESERVATION

The Indiana HARN consist of 148 stations whose positions are known with great accuracy, these stations are usually simple brass monuments set in concrete. After having contributed \$3,000 per HARN station, counties have a vested interest in insuring that these monuments are not destroyed or damaged.



Figure 3.1. Monument at Q 94

While monuments should have been set flush with, or slightly below, the ground; some monuments do protrude from the ground as much as six inches or more. Monuments set flush with the ground are at little risk of being destroyed, except by construction equipment. However, those that protrude are at great risk of being struck by mowers or other vehicles. Therefore, it

may be a good idea to place markers near the monuments so that mowing crews and farmers plowing their fields will not hit (and destroy) these monuments. In a few situations it may be desirable to place bollards (large steel pipes filled with concrete) around the monument, to stop any vehicles on course to strike the monument.

Any activity in the area of a monument should be limited, since vehicle movement will cause the ground to shift. Bollards should be placed at least 5 feet away, in many situations it will be necessary to place them even farther away, so as not to disturb the monument. Farm and construction equipment should also be kept at least 10 feet away from the monuments. Heavy equipment on clay soils will typically cause the ground within four feet to spring-up by six inches or more. The vertical control on these stations is very accurate and can be easily destroyed, without anyone's knowledge. Therefore, it is critical to take preventative measures to insure the preservation of the monument.

One way of insuring that monuments are preserved is to show them on maps used by local officials and professionals in the surveying, mapping, and GIS arenas. Using the new datum (*NAD 83 (1997)*) as the datum on which local maps will be based, will place an emphasis on the importance of these stations. It is not desirable to draw the attention of the general public to the monuments, since the general public does include a few vandals.

The best insurance policy for monuments are witnesses. Witnesses are survey marks whose spatial relationship to the monument is known. Often four witnesses are used, although only two are required. Four witnesses will insure that if a witness is destroyed chances are good that enough will remain to reliably reestablish the station.

Witnesses reference the stations in both the vertical and horizontal dimensions, which is critical since HARN stations are three-dimensional stations. Horizontal witnesses are made by measuring the horizontal distance between the station and each reference point, often cardinal directions are also recorded. Vertical references are made by using a level to measure the elevation differences between the monument and each reference. Witnesses are usually set within one hundred feet of the monument. Witnesses can be railroad spikes in power poles, nails set in pavement, edges of houses, or survey irons set nearby.

It is a good idea to have the county surveyor witness his/her county HARN station(s) and stop to check the witnesses, and replace destroyed witnesses, on a yearly basis. If a HARN station is ever destroyed, records of the distance from witnesses and elevation differences should be used to accurately replace the HARN station. Make sure that the record of the witness data (what the witnesses are, where they are, the distance and cardinal direction to the monument, and the

elevation of the witness) should be kept somewhere were they can easily be recovered. Replace the monument exactly where it originally lay, so that others using this monument can rely on data that they may have found on the Internet from the NGS.

4. HARN SUCCESS STORIES

Now that a brief history of the HARN is known and the types of accuracies it is capable of giving, a description of how the HARN is actually used would be appropriate. The OISGA office has been called on a number of occasions with questions regarding the use of the Indiana HARN in a GIS application. Several projects have been reported to OISGA that are going to begin in the summer of 2000, including one in Hamilton County. This project is going to incorporate the Indiana HARN stations, in their county and the adjoining counties, in a GIS of Hamilton County.

Another project that involves the Indiana HARN begins this year in Clark County. There is a large ammunition plant which was controlled by the government until recently. This plant consists of several thousand acres, and only a small portion of the perimeter has been surveyed. Harold Hart, a local surveyor, is interested in surveying the site using the HARN to establish some quality control points. He has written us saying, "I only want our efforts to result in a first class job, so we make it easy for the next generation of surveyors."

In the Northwestern part of the state, a project using the HARN was completed for INDOT by the G. Lengemann company. INDOT wanted to place some traffic control devices on the Indiana Toll Road (I 80-94) near Merrillville. They wanted to place cameras to monitor the traffic on the highway and message boards to display the condition of the traffic ahead. A topographic map using State Plane Coordinates was needed of this corridor. This survey used a real-time GPS surveying system to traverse the 18-mile route, beginning in Porter County and ending in Lake County. The specifications for this project only needed 0.50 foot accuracy. The final closure for the survey was about 2 centimeters in the Northing and the Easting. Computing the relative accuracy of the survey, the closure is better than 1 part per million (which is the tolerance of the Indiana HARN.)

Bob Wilkinson with the Indiana DNR said the updated station descriptions were very helpful. The previous descriptions called out unnamed county roads and gave very vague location descriptions. The new descriptions call specific roads with fairly accurate distances. Also, each station is witnessed at least three times. Each of the witnesses appear as calls in the station description. One surveyor we talked to, Craig Williams, has performed GPS surveys throughout

the state. He said the selection of the HARN points throughout the state was excellent. Each point is easily accessible and have very good locations for GPS.

The greatest success with the Indiana HARN has little to do with field work. This is the success of the web page we have dedicated to the network. During the first three months of the HARN web site activation, a total of 379 hits were counted. This is a total of approximately 650 hits since the creation of the web site. It does not matter how educated a surveyor is or what type of equipment is used, a survey cannot begin without the proper research of the points of interest. The intent of this web site is to give the surveyors of Indiana a continuously updated reference of the stations throughout Indiana. This web site has the Indiana HARN points separated in three different ways: by county, by 4-character ID, and by the point designator. This is directly linked to the NGS site, where by choosing a point will give you the NGS Data Sheet. One surveyor said he wished the NGS's web site was as easy to use as the Indiana HARN web site.

LIST OF REFERENCES

House Bill No. 1036, 1995. Document EHB 1036-LS 6187/DI 55. Bill effective July 1, 1995.

Wilkinson, R., D. Mudderman, J. Bethel, K. Curtis, J. Kovas, I. Goldblatt, E.R. Gray III, W. Schmidt, J. Meyerrose, R. Fine, P. Cloyd, J. Pietrzak, "The Need for a High-Precision State-Wide Geodetic Control Network in the State of Indiana". A report prepared by The Geodetic Control Technical Advisory Task Force. 7 pages. September 28, 1990.

Journals

Cloyd, P.D., "Indiana High Accuracy Reference Network. How Each of Us can Benefit". Hoosier Surveyor, Vol. 20, No. 4, Spring 1994.

van Gelder, B. H. W., "Global Positioning System: Can a Civil/Survey Engineer/GIS Manager do Without It?" Indiana IN-Search, The INDOT-FHWA-HERPICC Technology Transfer Quarterly, Vol. II, No. 1, p. 5, Spring 1995.

van Gelder, B. H. W., "Surveying or Geodetic, Geomatic , Geographic Engineering. Does it Matter?" GIM, International Journal for Geomatics, Vol. 9, No. 2, p32-35, February 1995.

Mahon, T. A., and B. H. W. van Gelder, "Steps and Phrases of the Indiana HARN," Hoosier Surveyor, Vol. 24, No. 4, p. 9-14, Spring 1998.

Doyle, D.R., "High Accuracy Reference Network for Indiana". Hoosier Surveyor, Summer 1998. Vol. 25, No. 1. 19.

Doyle, D.R., "Background: Developing the HARN". ACSM Bulletin 175. Sept/Oct 1998. 24-26.

Flynn, K.C., "The Last HARN: Completing the National High Accuracy Reference Network," ACSM Bulletin, No. 175, p. 23-27, September/October 1998.

VandenBerg, D. J., and B. H. W. van Gelder, "The Indiana High Accuracy Reference Network Completed," Hoosier Surveyor, Vol. 25, No. 4, p. 21, Spring 1999.

Presentations

van Gelder, B. H. W., "The Use of the Global Positioning System for the Establishment of Geographic Information Systems. Step One: Setting Up a Base Station," GPS/GIS Workshop, Indianapolis, IN, March 10, 1993.

van Gelder, B. H. W., "GPS, Geoid and Heights," at Partnerships for Environmental Data Sharing Workshop, EPA, Region 5, Geographic Information Systems Management Office, Chicago, IL, May 20-21, 1993.

van Gelder, B. H. W., "Global Positioning System: The Geometric Backbone of Geographic Information Systems," and "A Proposed GPS Geodetic High Accuracy Reference Network for the State of Indiana," GPS/GIS Workshop, Indianapolis, IN, March 2, 1994.

- van Gelder, B. H. W., S. D. Johnson, and D. D. Findorff, "A Proposed GPS Geodetic High Accuracy Reference Network for the State of Indiana," 80th Annual Road School, Purdue University, West Lafayette, IN, March 1-3, 1994.
- van Gelder, B. H. W., and T. A. Mahon, "GPS and Vertical Control", 80th Annual Road School, Purdue University, West Lafayette, IN, March 1-3, 1994.
- van Gelder, B. H. W., "Indiana High Accuracy Reference Network," Central Indiana Chapter of ISPLS, Indianapolis, IN, April 27, 1994.
- van Gelder, B. H. W., "Need for a High Accuracy reference Network in the State of Indiana," Association of County Engineers, Columbus, IN, April 1994.
- van Gelder, B. H. W., "A Proposed GPS Geodetic High Accuracy Reference Network for the State of Indiana," 438th Advisory Board Meeting, Joint Highway Research Project/Indiana Departments of Transportation/Purdue University, June 8, 1994.
- van Gelder, B. H. W., "Commercial Applications of GPS," First Annual Indiana State Society of Logistic Engineers (SOLE) Symposium on Commercial and Governmental Logistics: Establishing the Complete Edge, Indianapolis, IN, October 20, 1994.
- van Gelder, B. H. W., E. R. Gray III, and P. D. Cloyd, "Status of the Proposed Federal/Cooperative Base Network (FBN/CBN) for the State of Indiana," Annual ISPLS Convention, Merrillville, IN, January 20, 1995.
- van Gelder, B. H. W., "From GPS, via a FBN/CBN, to a GIS," Fifth Indiana Conference, Indianapolis, IN, September 19, 1995.
- van Gelder, B. H. W., "Practical Aspects of GPS Surveying," Hoosier Hill Chapter of ISPS, Spenser, IN, October 13, 1995.
- van Gelder, B. H. W., "Pinpointing Your County: HARN – The Second Half," AIC's 38th Annual Conference, Indianapolis, IN, September 30, 1996
- van Gelder, B. H. W., "Steps and Phases of the Indiana HARN," 46th Annual ISPLS Convention, West Lafayette, IN January 14-16, 1998.

NGS Reports

- "Planning GPS Surveys," National Geodetic Survey (NGS), 1986.
- "GPS Station Site Requirements," National Geodetic Survey (NGS), 1987.
- "Technical Guidelines and Specifications for Establishing Cooperative Base Network (CBN) Stations by GPS Survey Relative to the High Accuracy Reference Network (HARN)," National Geodetic Survey (NGS), 1993.
- "Input Formats and Specifications of the National Geodetic Survey Data Base, Volume I. Horizontal Control Data," National Oceanic and Atmospheric Administration (NOAAA), 1994.
- "Input Formats and Specifications of the National Geodetic Survey Data Base, Volume II. Vertical Control Data," National Oceanic and Atmospheric Administration (NOAAA), 1994.

“Input Formats and Specifications of the National Geodetic Survey Data Base, Volume III. Gravity Control Data,” National Oceanic and Atmospheric Administration (NOAAA), 1994.

Text

Bossler, Rear Adm. John D., “Standards and Specifications for Geodetic Control Networks,” Federal Geodetic Control Committee, 1993.

Floyd, Lt. Richard P., “Geodetic Bench Marks,” National Oceanic and Atmospheric Administration, 1978.

Hull, Rear Adm. Wesley V., “Geometric Geodetic Accuracy Standards and Specifications for Using GPS Relative Positioning Techniques,” Federal Geodetic Control Committee, 1989.

APPENDIX A. MAPS OF HARN STATIONS

Appendix A: Maps of HARN Stations

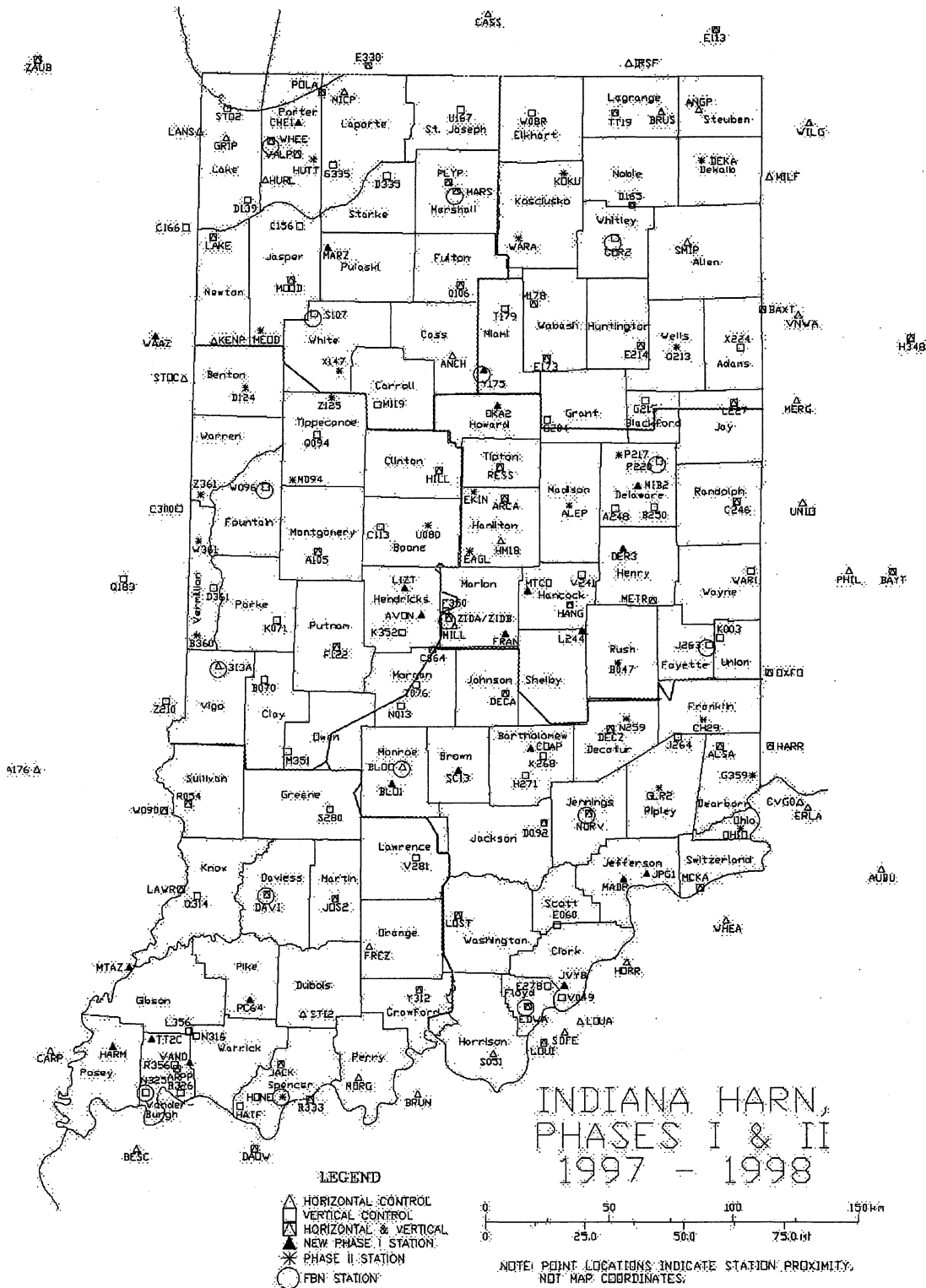


Figure A.1. Indiana HARN

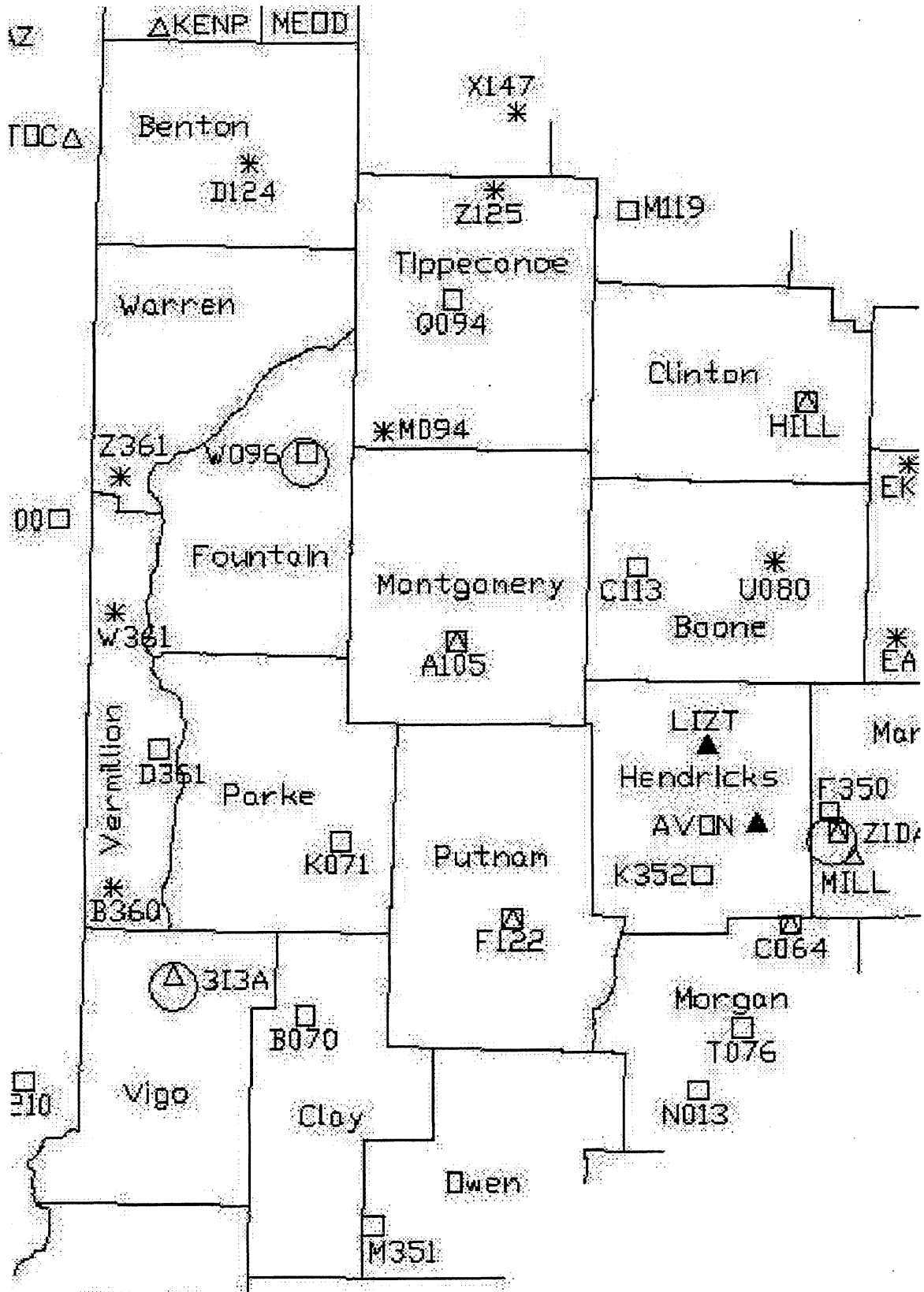


Figure A.2. Indiana HARN - Crawfordsville District

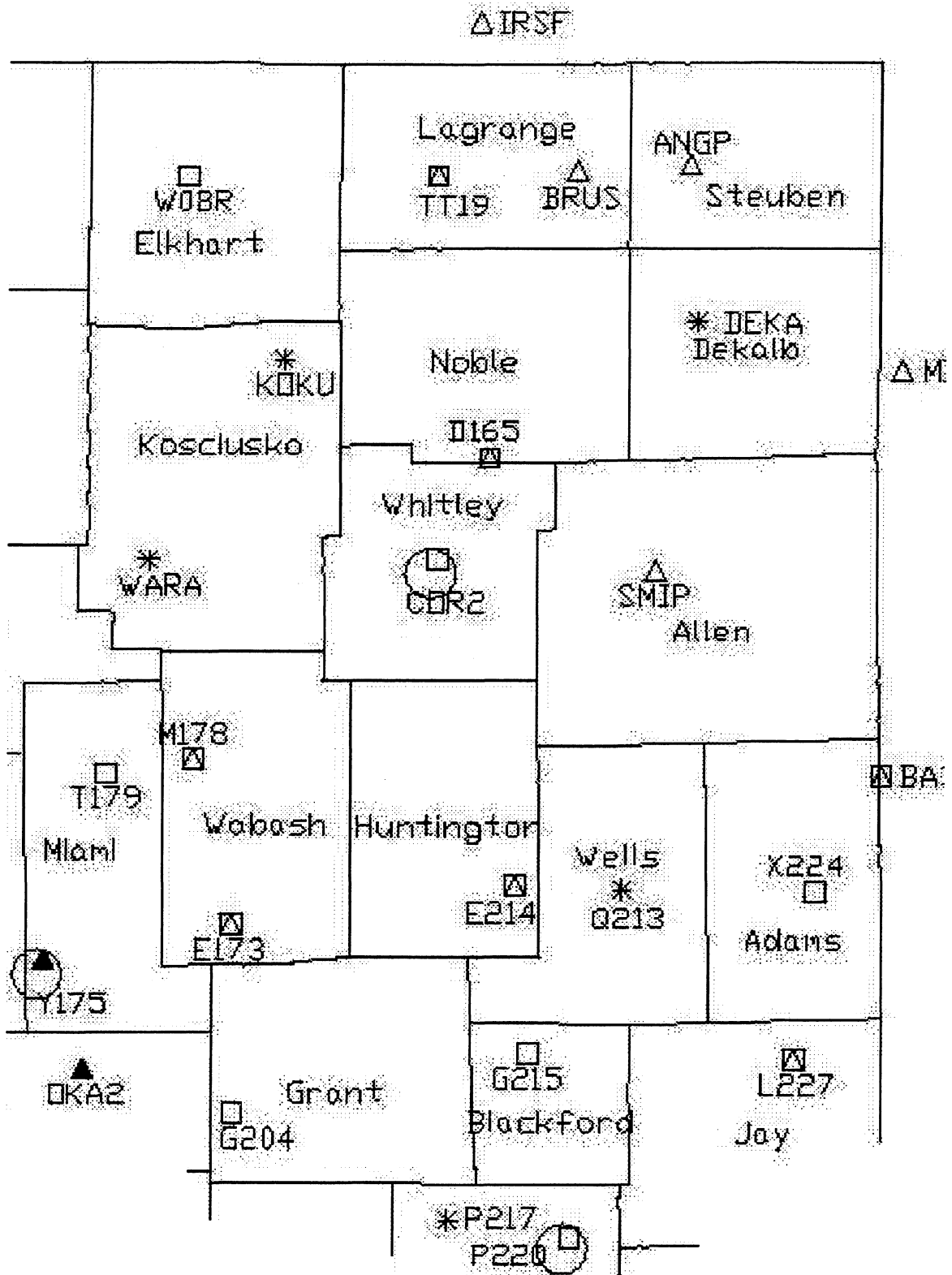


Figure A.3. Indiana HARN – Fort Wayne District

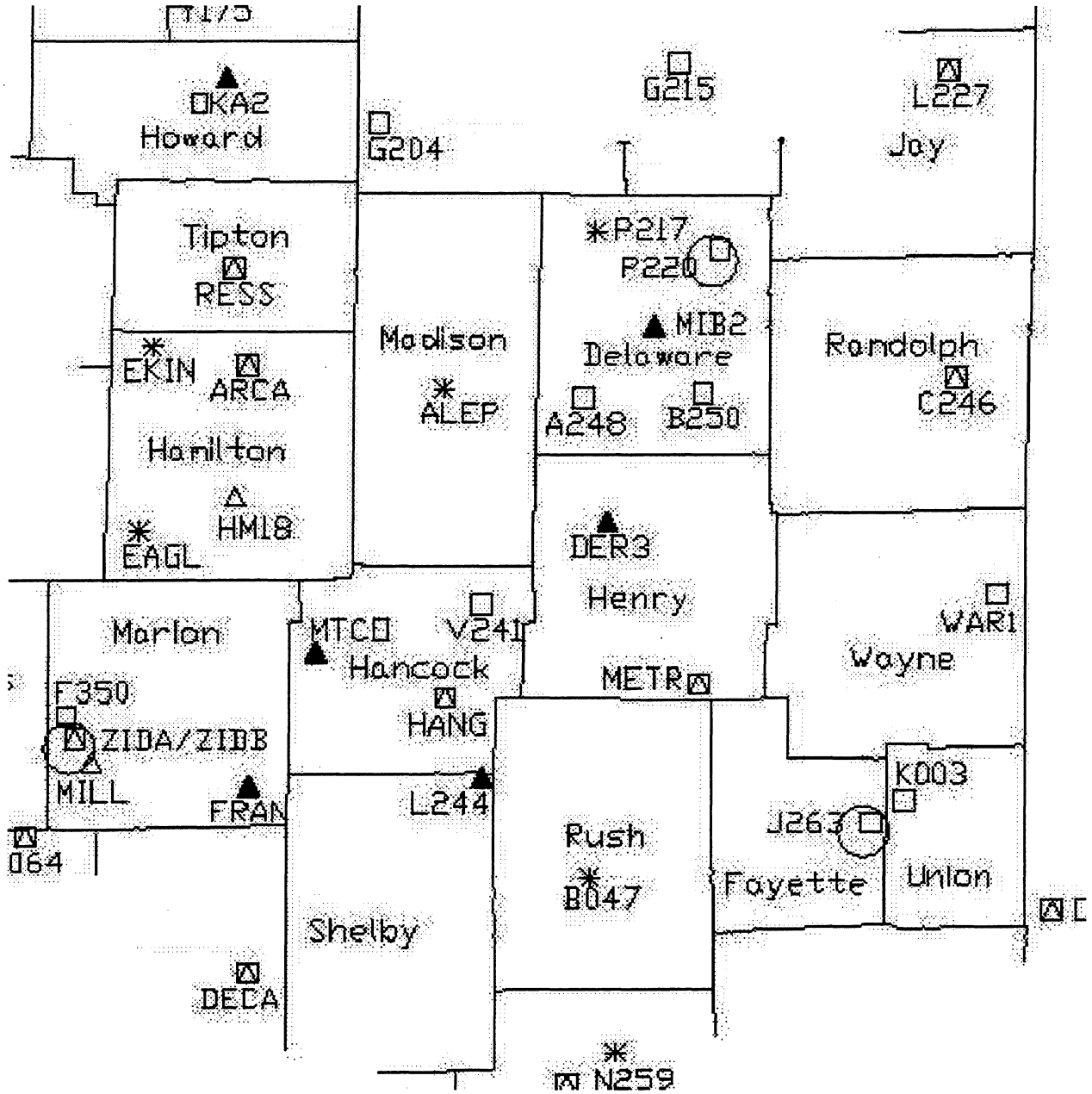


Figure A.4. Indiana HARN - Greenfield District

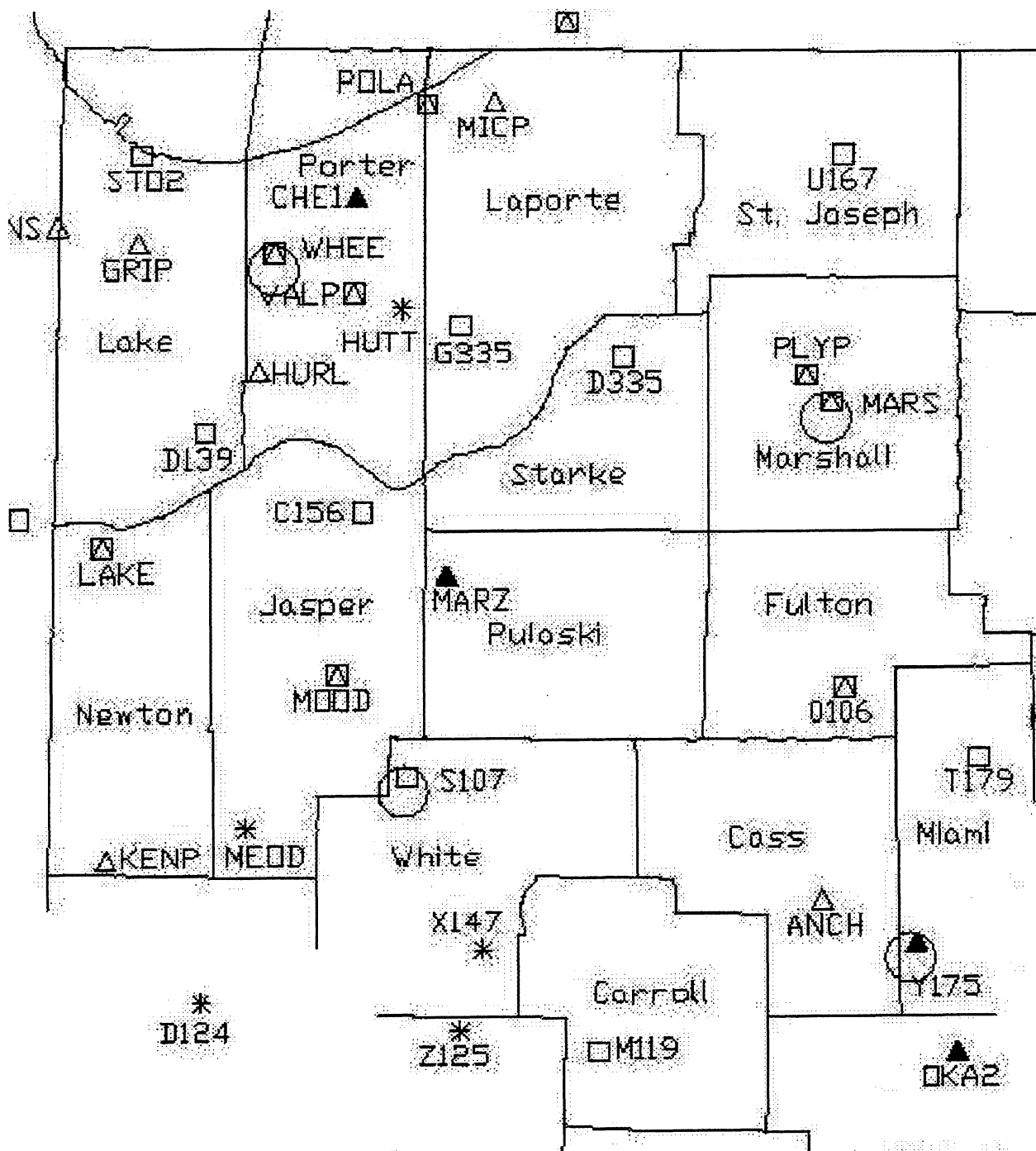


Figure A.5. Indiana HARN - LaPorte District

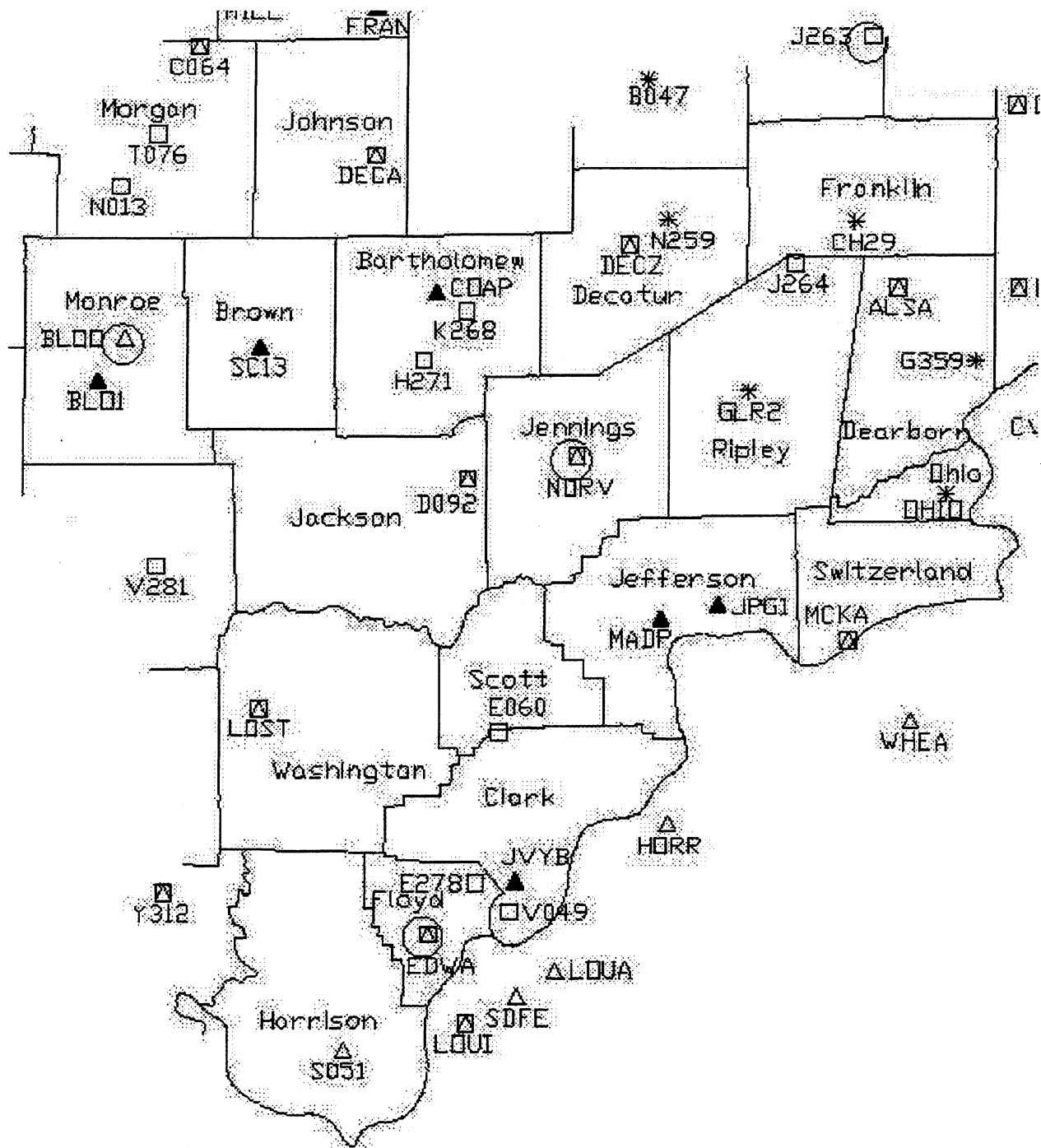


Figure A.6. Indiana HARN - Seymour District



Figure A.7. Indiana HARN - Vincennes District

APPENDIX B. TABLES OF HARN STATIONS

HARN Stations sorted by Four Character I.D.

4 Char ID	Designator	PID	County	Phase
106	106	LB0165	FULTON	1
313A	FAA 313 A	KA2051	VIGO	1
A105	A 105	KA0639	MONTGOMERY	1
A248	A 248	LA1263	DELAWARE	1
ALEP	ALEPORT	LA2440	MADISON	2
ALSA	ALSACE	JZ2060	DEARBORN	1
ANCH	ANCHOR	LB2395	CASS	1
ANGP	ANGPORT	MD1896	STEUBEN	1
ARCA	ARCADA	LB2498	HAMILTON	1
ARPP	ARP	JA1259	VANDERBURGH	1
AVON	AVON	AE8491	HENDRICKS	1
B047	B 47	JZ1684	RUSH	2
B070	B 70	KA1153	CLAY	1
B250	B 250	LA1009	DELAWARE	1
B326	B 326	HA1116	VANDERBURGH	1
B360	B 360	KA1741	VERMILLION	2
BLO1	BLO 1	AE8492	MONROE	1
BLOO	BLOOMINGTON NCMN 7291	KA2024	MONROE	1
BRUS	BRUSHY	MD1495	LAGRANGE	1
C064	C 64	KA0159	MORGAN	1
C113	C 113	LB0881	BOONE	1
C156	C 156	ME1360	JASPER	1
C246	C 246	LA0244	RANDOLPH	1
CH29	CH 29	JZ1991	FRANKLIN	2
CHE1	CHESTER RM 1	AE8463	PORTER	1
COAP	COL MUN AIRPORT	AE8493	BARTHOLOMEW	1
COR2	COLUMBIA RM 2	MD0682	WHITLEY	1
D092	D 92	HZ1880	JACKSON	1
D124	D 124	LB1326	BENTON	2
D139	D 139	ME1278	LAKE	1
D165	D 165	MD0939	NOBLE	1
D335	D 335	ME0522	STARKE	1
D361	D 361	KA1750	VERMILLION	1
DAVI	DAVISS	JA1630	DAVISS	1
DECA	DECALB	KA1968	JOHNSON	1
DECZ	DECATUR AZ MK	JZ2825	DECATUR	1
DEKA	DEKALB	MD1529	DEKALB	2
DER3	DERROW RM 3	AE8464	HENRY	1
E060	E 60	HZ1678	SCOTT	1
E173	E 173	LA1838	WABASH	1
E214	E 214	LA0906	HUNTINGTON	1
E278	E 278	HZ1322	FLOYD	1
EAGL	EAGLE CEM	AH8320	HAMILTON	2

HARN Stations sorted by Four Character I.D. (continued)

4 Char ID	Designator	PID	County	Phase
EDWA	EDWARD 2	HZ1348	FLOYD	1
EKIN	EKIN	LB2522	HAMILTON	2
F122	F 122	KA0601	PUTNAM	1
F350	F 350	KA1653	MARION	1
FRAN	IMAGIS 47	AE8494	MARION	1
FREZ	FRENCH AZ MK	JA2126	ORANGE	1
G204	G 204	LA1380	GRANT	1
G215	G 215	LA0940	BLACKFORD	1
G335	G 335	ME0558	LAPORTE	1
G359	G 359	JZ2794	DEARBORN	2
GLR2	GLASGOW RM 2	JZ1879	RIPLEY	2
GRIP	GRIPORT	ME3214	LAKE	1
H271	H 271	JZ2219	BARTHOLOMEW	1
HANG	HAN G 5	JZ2521	HANCOCK	1
HARM	HARM	AE8495	POSEY	1
HATF	HATFIELD	HA0727	SPENCER	1
HILL	HILLISBURG	LB0534	CLINTON	1
HM18	HM 18	AE8503	HAMILTON	1
HONE	HONEY	HA0568	SPENCER	2
HURL	HURLBURT	ME2533	PORTER	1
HUTT	HUTTON	ME0580	PORTER	2
J263	J 263	JZ1782	FAYETTE	1
J264	J 264	JZ1825	RIPLEY	1
JACK	JACKSON	JA1979	SPENCER	1
JOS2	JOSHPHINE 2	JA0699	MARTIN	1
JPG1	JPG 1	AE8506	JEFFERSON	1
JVYB	JVY B	AE8496	CLARK	1
K003	K 3 USGS RESET	JZ1661	UNION	1
K071	K 71 RESET	KA0837	PARKE	1
K268	K 268	JZ2225	BARTHOLOMEW	1
K352	K 352	KA1665	HENDRICKS	1
KENP	KENPORT	LB2688	NEWTON	1
KOKU	KOKU	AH8406	KOSCIUSKO	2
L227	L 227 RESET	LA0533	JAY	1
L244	L 244 RESET	AE8497	SHELBY	1
L356	L 356	JA1598	GIBSON	1
LAKE	LAKE VILLAGE	ME1115	NEWTON	1
LIZT	LIZTON	AE8498	HENDRICKS	1
LOST	LOST	JA0188	WASHINGTON	1
M094	M 94	LB1690	TIPPECANOE	2
M119	M 119	LB0972	CARROLL	1
M178	M 178	LA1681	WABASH	1
M351	M 351	KA1711	OWEN	1
MADP	MADP	AE8505	JEFFERSON	1
MARS	MARSHALL	ME0261	MARSHALL	1
MARZ	MARY AZ MK	AE8465	PULASKI	1

HARN Stations sorted by Four Character I.D. (continued)

4 Char ID	Designator	PID	County	Phase
MCKA	MCKAY	HZ1030	SWITZERLAND	1
MEOD	MEODEL	LB2146	JASPER	2
METR	METRO	JZ1518	HENRY	1
MIB2	AP 1965 STA B2	AD8774	DELAWARE	1
MICP	MICPORT	ME3222	LAPORTE	1
MILL	MILLS RESET	KA0140	MARION	1
MOOD	MOODY	LB2139	JASPER	1
MORG	MORGAN	JA2131	PERRY	1
MTCO	MT COMFORT	AE8499	HANCOCK	1
N013	N 13	KA0393	MORGAN	1
N259	N 259	JZ1981	DECATUR	2
N316	N 316	JA1047	WARRICK	1
N325	N 325	HA1098	VANDEBURGH	1
NORV	NORTH VERNON	JZ2113	JENNINGS	1
OHIO	OHIO	AH8173	OHIO	2
OKA2	AP 1964 STA A2	AD8762	HOWARD	1
P217	P 217	LA1231	DELAWARE	2
P220	P 220	LA1200	DELAWARE	1
PC64	PC 64	AE8500	PIKE	1
PLYP	PLYPORT	ME3226	MARSHALL	1
POLA	POLA	ME2148	PORTER	1
Q094	Q 94	LB0933	TIPPECANOE	1
Q213	Q 213	LA0984	WELLS	2
Q314	Q 314	JA0881	KNOX	1
R054	R 54	KA1335	SULLIVAN	1
R356	R 356	JA1604	VANDEBURGH	1
RESS	RESSLER RESET	AE8501	TIPTON	1
S051	S 51	AE8504	HARRISON	1
S107	S 107	LB1086	WHITE	1
S280	S 280	KA0405	GREENE	1
SC13	SC 13	AE8502	BROWN	1
SMIP	SMIPOINT	MD1912	ALLEN	1
STI2	STINSON 2	JA2135	DUBOIS	1
STO2	STOCKTON 2 RESET	ME3364	LAKE	1
T076	T 76	KA0314	MORGAN	1
T179	T 179	LB0247	MIAMI	1
TT19	TT 19 D USGS 1947	MD1505	LAGRANGE	1
TT2C	TT 2 CEM	AE8508	VANDEBURGH	1
U080	U 80	LB0624	BOONE	2
U167	U 167	ME0042	ST. JOSEPH	1
V049	V 49	HZ1373	CLARK	1
V241	V 241	JZ2455	HANCOCK	1
V281	V 281	JA0132	LAWRENCE	1
VALP	VALPARAISO	ME1206	PORTER	1
VAND	VANDEBURGH STC	AE8507	VANDEBURGH	1
W08R	W 8 RESET	MD1356	ELKHART	1

HARN Stations sorted by Four Character I.D. (continued)

4 Char ID	Designator	PID	County	Phase
W096	W 96	LB1704	FOUNTAIN	1
W361	W 361	LB2105	VERMILLION	2
WAR1	WALTING RM 1	JZ1175	WAYNE	1
WARA	WARPORT AZ MK	MD1919	KOSCIUSKO	2
WHEE	WHEELER	ME0963	PORTER	1
X147	X 147	LB1175	WHITE	2
X224	X 224	LA0738	ADAMS	1
Y175	Y 175 RESET	LB0274	MIAMI	1
Y312	Y 312	JA0279	CRAWFORD	1
Z125	Z 125	LB1162	TIPPECANOE	2
Z361	Z 361	LB2108	WARREN	2
ZIDA	ZID A	AA6382	MARION	1
ZIDB	ZID B	AA6381	MARION	1

HARN Stations sorted by Designator

Designator	4 Char ID	PID	County	Phase
106	106	LB0165	FULTON	1
A 105	A105	KA0639	MONTGOMERY	1
A 248	A248	LA1263	DELAWARE	1
ALEPORT	ALEP	LA2440	MADISON	2
ALSACE	ALSA	JZ2060	DEARBORN	1
ANCHOR	ANCH	LB2395	CASS	1
ANGPORT	ANGP	MD1896	STEUBEN	1
AP 1964 STA A2	OKA2	AD8762	HOWARD	1
AP 1965 STA B2	MIB2	AD8774	DELAWARE	1
ARCADA	ARCA	LB2498	HAMILTON	1
ARP	ARPP	JA1259	VANDEBURGH	1
AVON	AVON	AE8491	HENDRICKS	1
B 250	B250	LA1009	DELAWARE	1
B 326	B326	HA1116	VANDEBURGH	1
B 360	B360	KA1741	VERMILLION	2
B 47	B047	JZ1684	RUSH	2
B 70	B070	KA1153	CLAY	1
BLO 1	BLO1	AE8492	MONROE	1
BLOOMINGTON NCMN 7291	BLOO	KA2024	MONROE	1
BRUSHY	BRUS	MD1495	LAGRANGE	1
C 113	C113	LB0881	BOONE	1
C 156	C156	ME1360	JASPER	1
C 246	C246	LA0244	RANDOLPH	1
C 64	C064	KA0159	MORGAN	1
CH 29	CH29	JZ1991	FRANKLIN	2
CHESTER RM 1	CHE1	AE8463	PORTER	1
COL MUN AIRPORT	COAP	AE8493	BARTHOLOMEW	1
COLUMBIA RM 2	COR2	MD0682	WHITLEY	1
D 124	D124	LB1326	BENTON	2
D 139	D139	ME1278	LAKE	1
D 165	D165	MD0939	NOBLE	1
D 335	D335	ME0522	STARKE	1
D 361	D361	KA1750	VERMILLION	1
D 92	D092	HZ1880	JACKSON	1
DAVISS	DAVI	JA1630	DAVISS	1
DEKALB	DECA	KA1968	JOHNSON	1
DECATUR AZ MK	DECZ	JZ2825	DECATUR	1
DEKALB	DEKA	MD1529	DEKALB	2
DERROW RM 3	DER3	AE8464	HENRY	1
E 173	E173	LA1838	WABASH	1
E 214	E214	LA0906	HUNTINGTON	1
E 278	E278	HZ1322	FLOYD	1
E 60	E060	HZ1678	SCOTT	1
EAGLE CEM	EAGL	AH8320	HAMILTON	2
EDWARD 2	EDWA	HZ1348	FLOYD	1
EKIN	EKIN	LB2522	HAMILTON	2

HARN Stations sorted by Designator (continued)

Designator	4 Char ID	PID	County	Phase
F 122	F122	KA0601	PUTNAM	1
F 350	F350	KA1653	MARION	1
FAA 3I3 A	3I3A	KA2051	VIGO	1
FRENCH AZ MK	FREZ	JA2126	ORANGE	1
G 204	G204	LA1380	GRANT	1
G 215	G215	LA0940	BLACKFORD	1
G 335	G335	ME0558	LAPORTE	1
G 359	G359	JZ2794	DEARBORN	2
GLASGOW RM 2	GLR2	JZ1879	RIPLEY	2
GRIPORT	GRIP	ME3214	LAKE	1
H 271	H271	JZ2219	BARTHOLOMEW	1
HAN G 5	HANG	JZ2521	HANCOCK	1
HARM	HARM	AE8495	POSEY	1
HATFIELD	HATF	HA0727	SPENCER	1
HILLISBURG	HILL	LB0534	CLINTON	1
HM 18	HM18	AE8503	HAMILTON	1
HONEY	HONE	HA0568	SPENCER	2
HURLBURT	HURL	ME2533	PORTER	1
HUTTON	HUTT	ME0580	PORTER	2
IMAGIS 47	FRAN	AE8494	MARION	1
J 263	J263	JZ1782	FAYETTE	1
J 264	J264	JZ1825	RIPLEY	1
JACKSON	JACK	JA1979	SPENCER	1
JOSHPHINE 2	JOS2	JA0699	MARTIN	1
JPG 1	JPG1	AE8506	JEFFERSON	1
JVY B	JVYB	AE8496	CLARK	1
K 268	K268	JZ2225	BARTHOLOMEW	1
K 3 USGS RESET	K003	JZ1661	UNION	1
K 352	K352	KA1665	HENDRICKS	1
K 71 RESET	K071	KA0837	PARKE	1
KENPORT	KENP	LB2688	NEWTON	1
KOKU	KOKU	AH8406	KOSCIUSKO	2
L 227 RESET	L227	LA0533	JAY	1
L 244 RESET	L244	AE8497	SHELBY	1
L 356	L356	JA1598	GIBSON	1
LAKE VILLAGE	LAKE	ME1115	NEWTON	1
LIZTON	LIZT	AE8498	HENDRICKS	1
LOST	LOST	JA0188	WASHINGTON	1
M 119	M119	LB0972	CARROLL	1
M 178	M178	LA1681	WABASH	1
M 351	M351	KA1711	OWEN	1
M 94	M094	LB1690	TIPPECANOE	2
MADP	MADP	AE8505	JEFFERSON	1
MARSHALL	MARS	ME0261	MARSHALL	1
MARY AZ MK	MARZ	AE8465	PULASKI	1
MCKAY	MCKA	HZ1030	SWITZERLAND	1

HARN Stations sorted by Designator (continued)

Designator	4 Char ID	PID	County	Phase
MEODEL	MEOD	LB2146	JASPER	2
METRO	METR	JZ1518	HENRY	1
MICPORT	MICP	ME3222	LAPORTE	1
MILLS RESET	MILL	KA0140	MARION	1
MOODY	MOOD	LB2139	JASPER	1
MORGAN	MORG	JA2131	PERRY	1
MT COMFORT	MTCO	AE8499	HANCOCK	1
N 13	N013	KA0393	MORGAN	1
N 259	N259	JZ1981	DECATUR	2
N 316	N316	JA1047	WARRICK	1
N 325	N325	HA1098	VANDEBURGH	1
NORTH VERNON	NORV	JZ2113	JENNINGS	1
OHIO	OHIO	AH8173	OHIO	2
P 217	P217	LA1231	DELAWARE	2
P 220	P220	LA1200	DELAWARE	1
PC 64	PC64	AE8500	PIKE	1
PLYPORT	PLYP	ME3226	MARSHALL	1
POLA	POLA	ME2148	PORTER	1
Q 213	Q213	LA0984	WELLS	2
Q 314	Q314	JA0881	KNOX	1
Q 94	Q094	LB0933	TIPPECANOE	1
R 356	R356	JA1604	VANDEBURGH	1
R 54	R054	KA1335	SULLIVAN	1
RESSLER RESET	RESS	AE8501	TIPTON	1
S 107	S107	LB1086	WHITE	1
S 280	S280	KA0405	GREENE	1
S 51	S051	AE8504	HARRISON	1
SC 13	SC13	AE8502	BROWN	1
SMIPORT	SMIP	MD1912	ALLEN	1
STINSON 2	STI2	JA2135	DUBOIS	1
STOCKTON 2 RESET	STO2	ME3364	LAKE	1
T 179	T179	LB0247	MIAMI	1
T 76	T076	KA0314	MORGAN	1
TT 19 D USGS 1947	TT19	MD1505	LAGRANGE	1
TT 2 CEM	TT2C	AE8508	VANDEBURGH	1
U 167	U167	ME0042	ST. JOSEPH	1
U 80	U080	LB0624	BOONE	2
V 241	V241	JZ2455	HANCOCK	1
V 281	V281	JA0132	LAWRENCE	1
V 49	V049	HZ1373	CLARK	1
VALPARAISO	VALP	ME1206	PORTER	1
VANDEBURGH STC	VAND	AE8507	VANDEBURGH	1
W 361	W361	LB2105	VERMILLION	2
W 8 RESET	W08R	MD1356	ELKHART	1
W 96	W096	LB1704	FOUNTAIN	1
WALTING RM 1	WAR1	JZ1175	WAYNE	1

HARN Stations sorted by Designator (continued)

Designator	4 Char ID	PID	County	Phase
WARPORT AZ MK	WARA	MD1919	KOSCIUSKO	2
WHEELER	WHEE	ME0963	PORTER	1
X 147	X147	LB1175	WHITE	2
X 224	X224	LA0738	ADAMS	1
Y 175 RESET	Y175	LB0274	MIAMI	1
Y 312	Y312	JA0279	CRAWFORD	1
Z 125	Z125	LB1162	TIPPECANOE	2
Z 361	Z361	LB2108	WARREN	2
ZID A	ZIDA	AA6382	MARION	1
ZID B	ZIDB	AA6381	MARION	1

HARN Stations sorted by County

County	Designator	4 Char ID	PID	Phase
ADAMS	X 224	X224	LA0738	1
ALLEN	SMIPORT	SMIP	MD1912	1
BARTHOLOMEW	COL MUN AIRPORT	COAP	AE8493	1
BARTHOLOMEW	H 271	H271	JZ2219	1
BARTHOLOMEW	K 268	K268	JZ2225	1
BENTON	D 124	D124	LB1326	2
BLACKFORD	G 215	G215	LA0940	1
BOONE	C 113	C113	LB0881	1
BOONE	U 80	U080	LB0624	2
BROWN	SC 13	SC13	AE8502	1
CARROLL	M 119	M119	LB0972	1
CASS	ANCHOR	ANCH	LB2395	1
CLARK	JVY B	JVYB	AE8496	1
CLARK	V 49	V049	HZ1373	1
CLAY	B 70	B070	KA1153	1
CLINTON	HILLISBURG	HILL	LB0534	1
CRAWFORD	Y 312	Y312	JA0279	1
DAVISS	DAVISS	DAVI	JA1630	1
DEARBORN	ALSACE	ALSA	JZ2060	1
DEARBORN	G 359	G359	JZ2794	2
DECATUR	DECATUR AZ MK	DECZ	JZ2825	1
DECATUR	N 259	N259	JZ1981	2
DEKALB	DEKALB	DEKA	MD1529	2
DELAWARE	A 248	A248	LA1263	1
DELAWARE	AP 1965 STA B2	MIB2	AD8774	1
DELAWARE	B 250	B250	LA1009	1
DELAWARE	P 217	P217	LA1231	2
DELAWARE	P 220	P220	LA1200	1
DUBOIS	STINSON 2	STI2	JA2135	1
ELKHART	W 8 RESET	W08R	MD1356	1
FAYETTE	J 263	J263	JZ1782	1
FLOYD	E 278	E278	HZ1322	1
FLOYD	EDWARD 2	EDWA	HZ1348	1
FOUNTAIN	W 96	W096	LB1704	1
FRANKLIN	CH 29	CH29	JZ1991	2
FULTON	106	106	LB0165	1
GIBSON	L 356	L356	JA1598	1
GRANT	G 204	G204	LA1380	1
GREENE	S 280	S280	KA0405	1
HAMILTON	ARCADA	ARCA	LB2498	1
HAMILTON	EAGLE CEM	EAGL	AH8320	2
HAMILTON	EKIN	EKIN	LB2522	2
HAMILTON	HM 18	HM18	AE8503	1
HANCOCK	HAN G 5	HANG	JZ2521	1
HANCOCK	MT COMFORT	MTCO	AE8499	1
HANCOCK	V 241	V241	JZ2455	1

HARN Stations sorted by County (continued)

County	Designator	4 Char ID	PID	Phase
HARRISON	S 51	S051	AE8504	1
HENDRICKS	AVON	AVON	AE8491	1
HENDRICKS	K 352	K352	KA1665	1
HENDRICKS	LIZTON	LIZT	AE8498	1
HENRY	DERROW RM 3	DER3	AE8464	1
HENRY	METRO	METR	JZ1518	1
HOWARD	AP 1964 STA A2	OKA2	AD8762	1
HUNTINGTON	E 214	E214	LA0906	1
JACKSON	D 92	D092	HZ1880	1
JASPER	C 156	C156	ME1360	1
JASPER	MEODEL	MEOD	LB2146	2
JASPER	MOODY	MOOD	LB2139	1
JAY	L 227 RESET	L227	LA0533	1
JEFFERSON	JPG 1	JPG1	AE8506	1
JEFFERSON	MADP	MADP	AE8505	1
JENNINGS	NORTH VERNON	NORV	JZ2113	1
JOHNSON	DECALB	DECA	KA1968	1
KNOX	Q 314	Q314	JA0881	1
KOSCIUSKO	KOKU	KOKU	AH8406	2
KOSCIUSKO	WARPORT AZ MK	WARA	MD1919	2
LAGRANGE	BRUSHY	BRUS	MD1495	1
LAGRANGE	TT 19 D USGS 1947	TT19	MD1505	1
LAKE	D 139	D139	ME1278	1
LAKE	GRIPORT	GRIP	ME3214	1
LAKE	STOCKTON 2 RESET	STO2	ME3364	1
LAPORTE	G 335	G335	ME0558	1
LAPORTE	MICPORT	MICP	ME3222	1
LAWRENCE	V 281	V281	JA0132	1
MADISON	ALEPORT	ALEP	LA2440	2
MARION	F 350	F350	KA1653	1
MARION	IMAGIS 47	FRAN	AE8494	1
MARION	MILLS RESET	MILL	KA0140	1
MARION	ZID A	ZIDA	AA6382	1
MARION	ZID B	ZIDB	AA6381	1
MARSHALL	MARSHALL	MARS	ME0261	1
MARSHALL	PLYPORT	PLYP	ME3226	1
MARTIN	JOSHPHINE 2	JOS2	JA0699	1
MIAMI	T 179	T179	LB0247	1
MIAMI	Y 175 RESET	Y175	LB0274	1
MONROE	BLO 1	BLO1	AE8492	1
MONROE	BLOOMINGTON NCMN 7291	BLOO	KA2024	1
MONTGOMERY	A 105	A105	KA0639	1
MORGAN	C 64	C064	KA0159	1
MORGAN	N 13	N013	KA0393	1
MORGAN	T 76	T076	KA0314	1

HARN Stations sorted by County (continued)

County	Designator	4 Char ID	PID	Phase
NEWTON	KENPORT	KENP	LB2688	1
NEWTON	LAKE VILLAGE	LAKE	ME1115	1
NOBLE	D 165	D165	MD0939	1
OHIO	OHIO	OHIO	AH8173	2
ORANGE	FRENCH AZ MK	FREZ	JA2126	1
OWEN	M 351	M351	KA1711	1
PARKE	K 71 RESET	K071	KA0837	1
PERRY	MORGAN	MORG	JA2131	1
PIKE	PC 64	PC64	AE8500	1
PORTER	CHESTER RM 1	CHE1	AE8463	1
PORTER	HURLBURT	HURL	ME2533	1
PORTER	HUTTON	HUTT	ME0580	2
PORTER	POLA	POLA	ME2148	1
PORTER	VALPARAISO	VALP	ME1206	1
PORTER	WHEELER	WHEE	ME0963	1
POSEY	HARM	HARM	AE8495	1
PULASKI	MARY AZ MK	MARZ	AE8465	1
PUTNAM	F 122	F122	KA0601	1
RANDOLPH	C 246	C246	LA0244	1
RIPLEY	GLASGOW RM 2	GLR2	JZ1879	2
RIPLEY	J 264	J264	JZ1825	1
RUSH	B 47	B047	JZ1684	2
SCOTT	E 60	E060	HZ1678	1
SHELBY	L 244 RESET	L244	AE8497	1
SPENCER	HATFIELD	HATF	HA0727	1
SPENCER	HONEY	HONE	HA0568	2
SPENCER	JACKSON	JACK	JA1979	1
ST. JOSEPH	U 167	U167	ME0042	1
STARKE	D 335	D335	ME0522	1
STEUBEN	ANGPORT	ANGP	MD1896	1
SULLIVAN	R 54	R054	KA1335	1
SWITZERLAND	MCKAY	MCKA	HZ1030	1
TIPPECANOE	M 94	M094	LB1690	2
TIPPECANOE	Q 94	Q094	LB0933	1
TIPPECANOE	Z 125	Z125	LB1162	2
TIPTON	RESSLER RESET	RESS	AE8501	1
UNION	K 3 USGS RESET	K003	JZ1661	1
VANDERBURGH	ARP	ARPP	JA1259	1
VANDERBURGH	B 326	B326	HA1116	1
VANDERBURGH	N 325	N325	HA1098	1
VANDERBURGH	R 356	R356	JA1604	1
VANDERBURGH	TT 2 CEM	TT2C	AE8508	1
VANDERBURGH	VANDERBURGH STC	VAND	AE8507	1
VERMILLION	B 360	B360	KA1741	2
VERMILLION	D 361	D361	KA1750	1
VERMILLION	W 361	W361	LB2105	2

HARN Stations sorted by County (continued)

County	Designator	4 Char ID	PID	Phase
VIGO	FAA 3I3 A	3I3A	KA2051	1
WABASH	E 173	E173	LA1838	1
WABASH	M 178	M178	LA1681	1
WARREN	Z 361	Z361	LB2108	2
WARRICK	N 316	N316	JA1047	1
WASHINGTON	LOST	LOST	JA0188	1
WAYNE	WALTING RM 1	WAR1	JZ1175	1
WELLS	Q 213	Q213	LA0984	2
WHITE	S 107	S107	LB1086	1
WHITE	X 147	X147	LB1175	2
WHITLEY	COLUMBIA RM 2	COR2	MD0682	1

APPENDIX C. HARN STATION DESCRIPTIONS

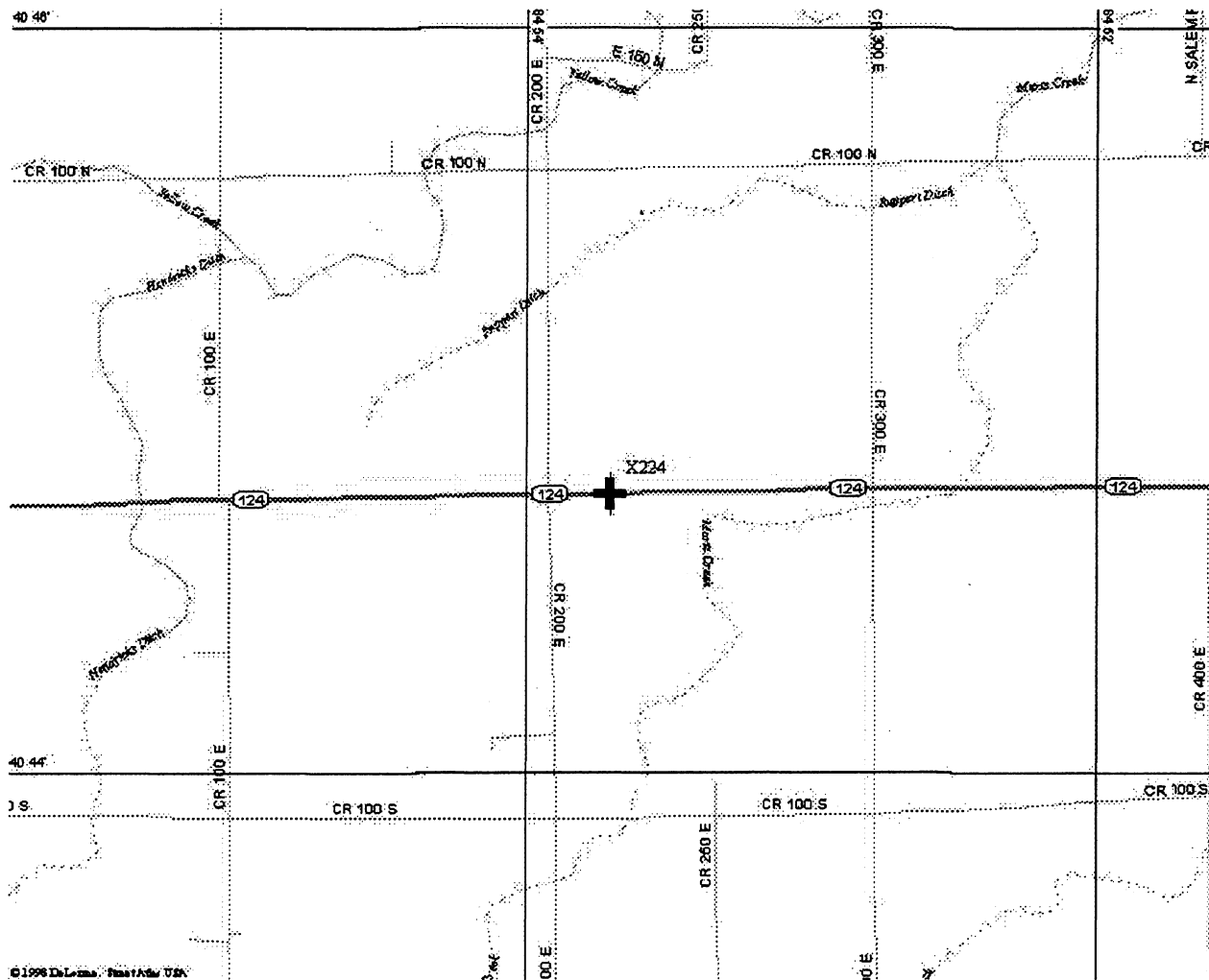
Designator X 224

4-Character ID X224

County ADAMS

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS 6 MILES (9.7 KM) SOUTHEAST OF DECATUR AND 2.4 MILES (3.9 KM) EAST OF MONROE. TO REACH THE STATION FROM THE INTERSECTION OF U.S. HIGHWAY 27 AND STATE HIGHWAY 124, GO 3.1 MILES (5.0 KM) EAST ALONG STATE HIGHWAY 124 TO STATION ON LEFT, IN THE RIGHT-OF-WAY OF STATE HIGHWAY 124. OWNERSHIP--INDIANA DEPARTMENT OF TRANSPORTATION, 100 N. SENATE AVENUE, ROOM 1101, STATE OFFICE BUILDING, INDIANAPOLIS IN 46204, HENRY ALDRIDGE, PHONE 317-232-6764. THE STATION IS SET IN A ROUND CONCRETE MONUMENT FLUSH WITH GROUND. IT IS 36.09 METERS (118.41 FT) NORTHEAST OF A PK NAIL IN POWER POLE AD290-67, 32.37 METERS (106.20 FT) NORTHWEST OF A PK NAIL IN POWER POLE AD290-68, 21.02 METERS (68.96 FT) WEST OF PK NAIL SET IN A SERVICE POLE, 18.3 METERS (60.0 FT) SOUTHWEST OF A PK NAIL IN A SERVICE POLE WITH LIGHT AND 12.9 METERS (42.3 FT) NORTH OF THE CENTERLINE OF STATE HIGHWAY 124.



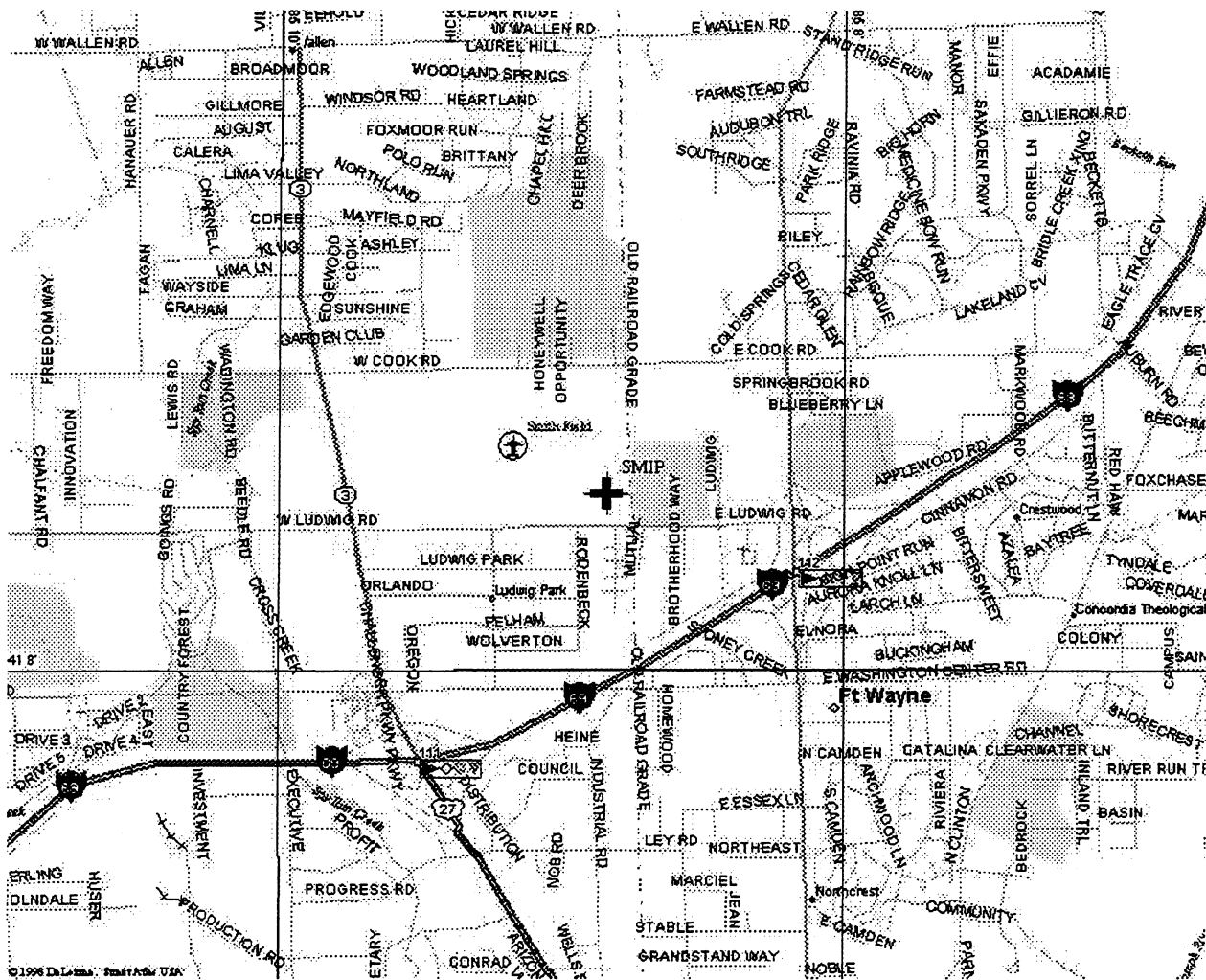
Designator SMIPORT

4-Character ID SMIP

County ALLEN

Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED ABOUT 8.0 KM (4.95 MI) NORTH OF FORT WAYNE, AT THE FORT WAYNE-SMITH FIELD AIRPORT, NEAR THE SOUTHEAST ROUNDED CORNER OF THE FIRST GRASS MEDIAN NORTH-NORTHWEST OF THE AIRPORT OFFICE AND NORTHWEST OF THE MAIN HANGAR. OWNERSHIP--BOWMAN AVIATION INC., 426 WEST LUDWIG ROAD, FORT WAYNE IN 46825. AIRPORT MANAGER IS A.P. NIX, PHONE 219-489-5517. TO REACH THE STATION FROM THE JUNCTION OF INTERSTATE HIGHWAY 69 AND STATE HIGHWAY 3 (EXIT 111), NEAR THE NORTH EDGE OF FORT WAYNE, GO NORTH FOR 1.3 KM (0.80 MI) ALONG HIGHWAY 3 TO LUDWIG ROAD ON THE RIGHT. TURN RIGHT, EAST FOR 1.4 KM (0.85 MI) ALONG THE ROAD TO THE AIRPORT ENTRANCE AND OFFICE ON THE LEFT. FROM THE NORTHWEST CORNER OF THE OFFICE, GO NORTH-NORTHWEST FOR 0.1 KM (0.05 MI) ACROSS APRON TO THE SOUTH END OF THE MAIN TAXI AND THE STATION ON THE LEFT, JUST NORTHWEST OF THE APRONS ROUNDED EDGE. STATION IS 51.5 M (169.0 FT) WEST-NORTHWEST OF THE NORTHWEST CORNER OF THE MAIN HANGAR (ELEV. 834 PAINTED ON FRONT), 20.1 M (65.9 FT) WEST OF A 24-INCH ROUND METAL MANHOLE COVER CENTER IN LINE WITH THE EAST EDGE OF THE TAXI, 15.5 M (50.9 FT) WEST OF THE TAXI CENTER, 2.55 M (8.37 FT) NORTHWEST OF THE ROUNDED NORTHWEST CORNER OF THE APRON AND TAXI JUNCTION AND MARKED WITH A RED PAINTED ARROW, ABOUT LEVEL WITH THE APRON AND PROJECTING 3 CM ABOVE GROUND. NOTE--THIS STATION IS DESIGNATED AS THE PRIMARY AIRPORT CONTROL STATION.



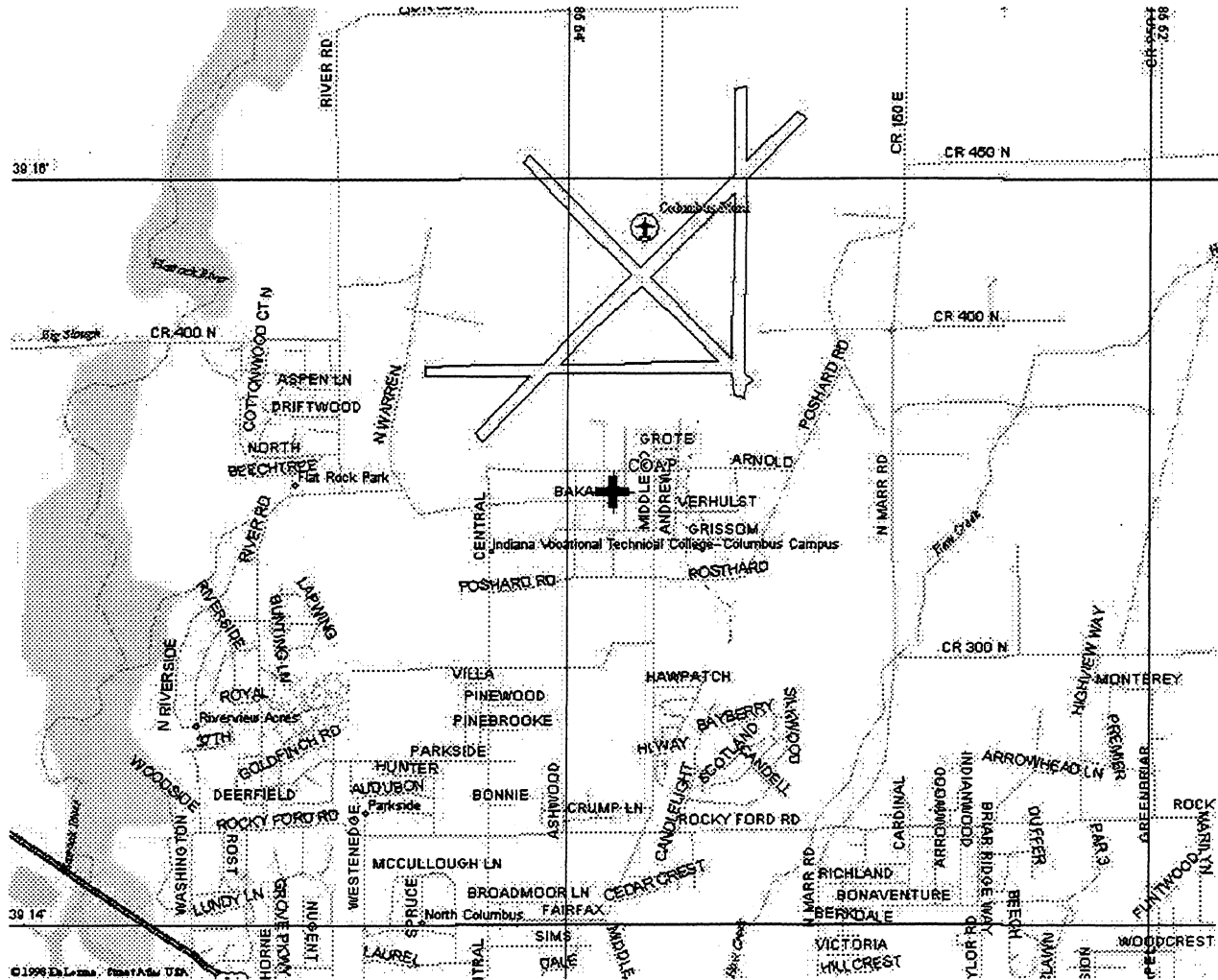
Designator COL MUN AIRPORT

4-Character ID COAP

County BARTHOLOMEW

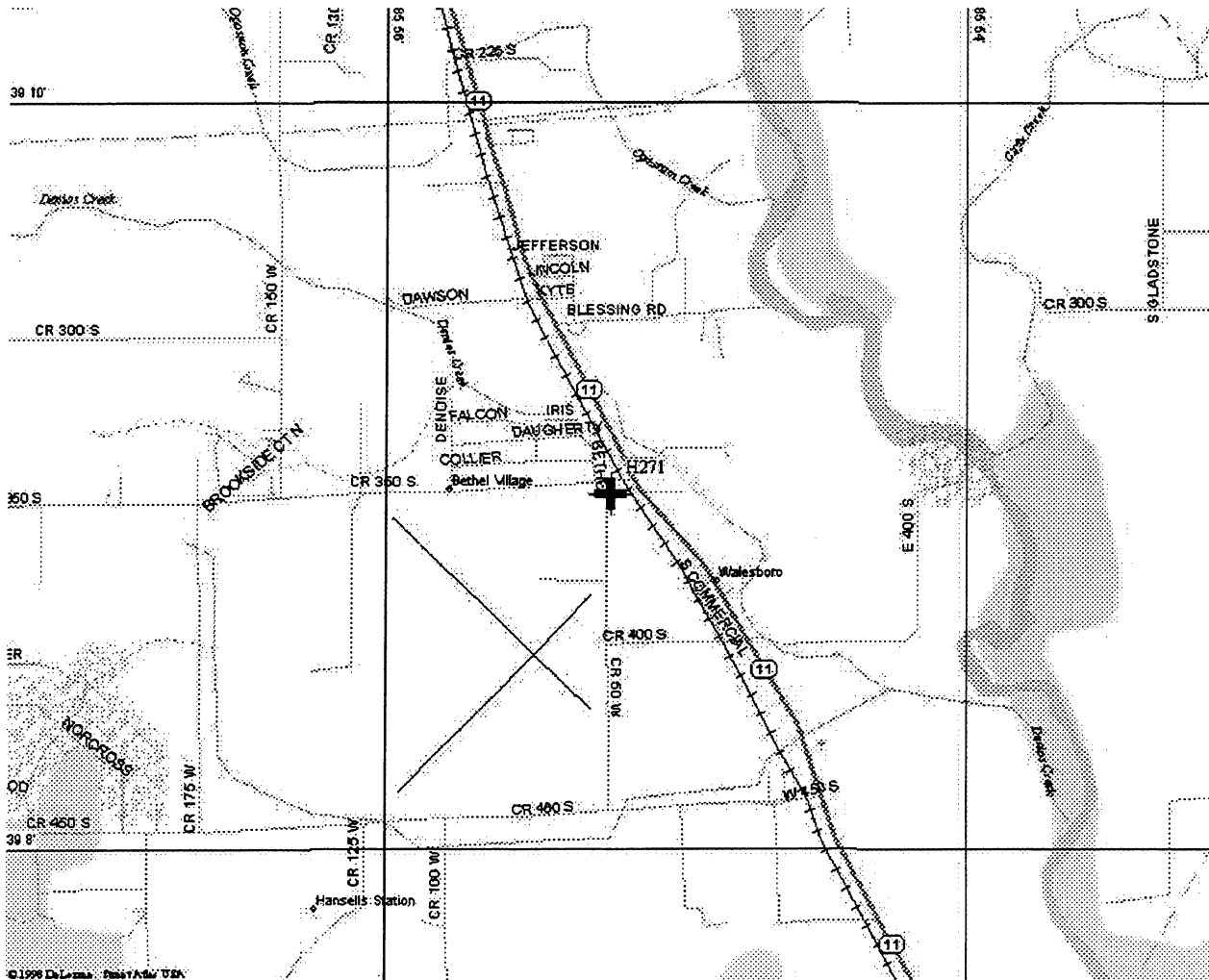
Description and Location Map

DESCRIBED BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) FROM JUNCTION OF U.S. HIGHWAY 31 (NATIONAL ROAD) AND CENTRAL AVENUE IN COLUMBUS, GO NORTH ON CENTRAL AVENUE FOR 1.6 MILES (2.6 KM) TO WHERE CENTRAL AVENUE CURVES RIGHT (AT IUPUC CAMPUS) AND SAID AVENUE BECOMES ARNOLD STREET. GO EAST AROUND CURVE 0.3 MILES (0.5 KM) TO RAY BOLL BOULEVARD. TURN SOUTH (RIGHT) AND GO 0.1 MILE (0.2 KM) TO THE STATION, LOCATED ON A GRASSY KNOLL ABOUT 68.5 FEET (20.9 M) FROM EAST EDGE OF RAY BOLL BOULEVARD, 60 FEET (18.3 M) NORTH OF INTERSECTION OF RAY BOLL BOULEVARD AND BAKALAR DRIVE EXTENDED EAST, 95 YARDS NORTH OF AIRPORT BEACON TOWER, FLUSH WITH GROUND, ACCESSED THROUGH METAL CAP/LID, BEING 20.91 METERS (68.60 FT) DUE EAST OF EAST EDGE OF RAY BOLL BOULEVARD, 27.44 METERS (90.03 FT) NORTHEAST OF CENTER OF ALUMINUM LIGHT POLE, 35.55 METERS (116.63 FT) NORTHWEST OF CENTER FIRE HYDRANT, AND 23.78 METERS (78.02 FT) SOUTHWEST OF SIGN POST THAT DENOTES WILDFLOWER AREA. AS OF 8-19-97 MONUMENT HAS NO MARKINGS, EXCEPT SURVEY MONUMENT-DO NOT DISTURB ON METAL CAP. NOTE--ROD DEPTH IS UNKNOWN.



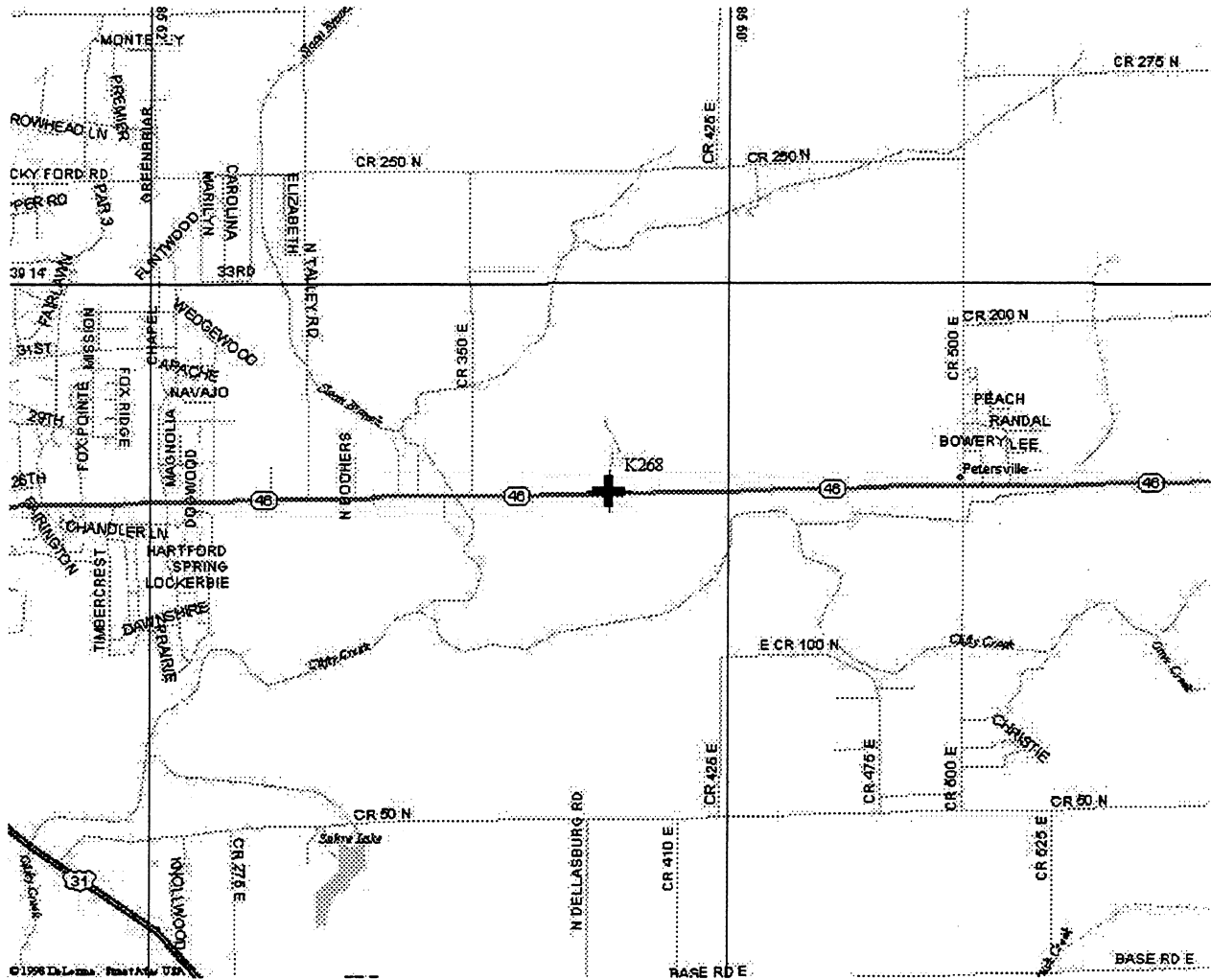
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS ABOUT 5.3 KILOMETERS (3.30 MI) SOUTH OF COLUMBUS AND 1.6 KILOMETERS (1.00 MI) NORTH OF WALESBORO. OWNERSHIP--BETHEL BAPTIST CHURCH, 142 DEAVER ROAD, COLUMBUS IN 47201, PHONE 812-342-4005. TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAYS 46 AND 11, SOUTHWEST OF COLUMBUS, TURN SOUTH FROM STATE ROAD 46 ON TO STATE ROAD 11, ABOUT 5.3 KILOMETERS (3.30 MI) SOUTH TO DEAVER ROAD. TURN WEST ON TO DEAVER ROAD, ABOUT 0.2 KILOMETERS (0.10 MI) WEST TO COUNTY ROAD 50 WEST. TURN SOUTH ON TO COUNTY ROAD 50 WEST, ABOUT 100 METERS (328.1 FT) SOUTH TO ENTRANCE OF BETHEL BAPTIST CHURCH CEMETERY, WEST OF COUNTRY ROAD 50 WEST. THE STATION IS SOUTHWEST OF THE INTERSECTION OF THE CEMETERY ENTRANCE AND COUNTY ROAD 50 WEST, 5.3 METERS (17.4 FT) WEST OF CENTER OF COUNTY ROAD 50 WEST, 13.8 METERS (45.3 FT) FROM NEAREST TELEPHONE POLE TO NORTHEAST, 8.6 METERS (28.2 FT) EAST-SOUTHEAST FROM SOUTHEAST CORNER OF WAGNER TOMBSTONE AND 8.2 METERS (26.9 FT) NORTHEAST OF NORTHEAST CORNER OF SWEENEY TOMBSTONE.



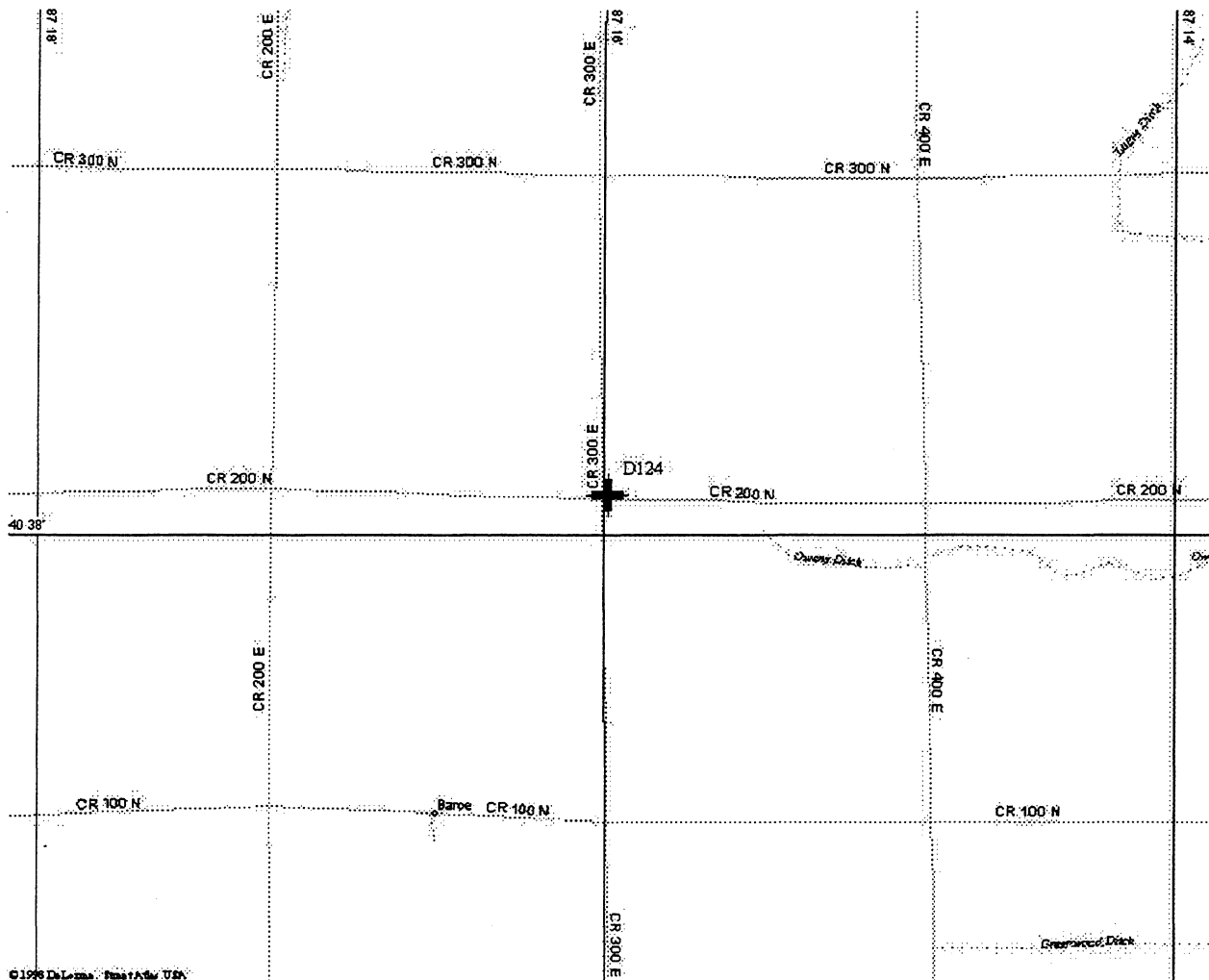
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED AT 5.95 KM (3.70 MI) WEST OF THE JUNCTION OF STATE ROAD 9 AND HIGHWAY 46, ALONG THE NORTH SIDE OF HIGHWAY 46, WEST OF A DRIVEWAY AND ACROSS FROM BUSHES MARKET. OWNERSHIP--STATE OF INDIANA. CONTACT IS HENRY ALDRIDGE, 317-232-6764, INDOT. IT IS 7.62 METERS (25.00 FT) WEST OF THE CENTER OF A DRIVEWAY ENTRANCE TO PROPERTY OWNED BY TIM ECKLEMAN, 9.14 METERS (29.99 FT) NORTH OF HIGHWAY 46 CENTERLINE, 2.26 METERS (7.41 FT) WEST OF THE CENTER OF A CONCRETE GATE POST WEST OF THE DRIVEWAY, 26.76 METERS (87.80 FT) EAST OF A TELEPHONE POLE, FLUSH WITH GROUND AND ABOUT 6 INCHES BELOW THE LEVEL OF THE ROAD.



Description and Location Map

RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (JCB) DESCRIBED BY WOOLPERT LLP 1998 (JCB). STATION IS 5.2 MI (8.4 KM) NORTHEAST OF FOWLER. TO REACH THE STATION FROM THE INTERSECTION OF STATE ROUTE 18 AND STATE ROUTE 55, PROCEED APPROXIMATELY 3.2 MI (5.1 KM) SOUTH AND EAST ALONG STATE ROUTE 18 TO THE INTERSECTION OF STATE ROUTE 18 AND COUNTY ROAD 300 E. TURN RIGHT AND PROCEED 2.0 MI (3.2 KM) NORTH ALONG COUNTY ROAD 300 E TO THE INTERSECTION OF COUNTY ROAD 300 E AND COUNTY ROAD 200 NORTH. THE STATION IS IN THE NORTHEAST QUADRANT OF THE INTERSECTION. THE STATION IS A STANDARD DISK SET IN A CONCRETE MONUMENT AND IS STAMPED--D 124 1946--. THE STATION IS 9.2 M (30.2 FT) EAST OF THE CENTERLINE OF COUNTY ROAD 300 EAST, 8.7 M (28.5 FT) NORTH OF THE CENTERLINE OF COUNTY ROAD 200 NORTH, 17.4 M (57.1 FT) NORTH OF A UTILITY POLE LOCATED ON THE SOUTH SIDE OF COUNTY ROAD 200 NORTH, AND 1.4 M (4.6 FT) SOUTHEAST OF A TELEPHONE PEDESTAL.



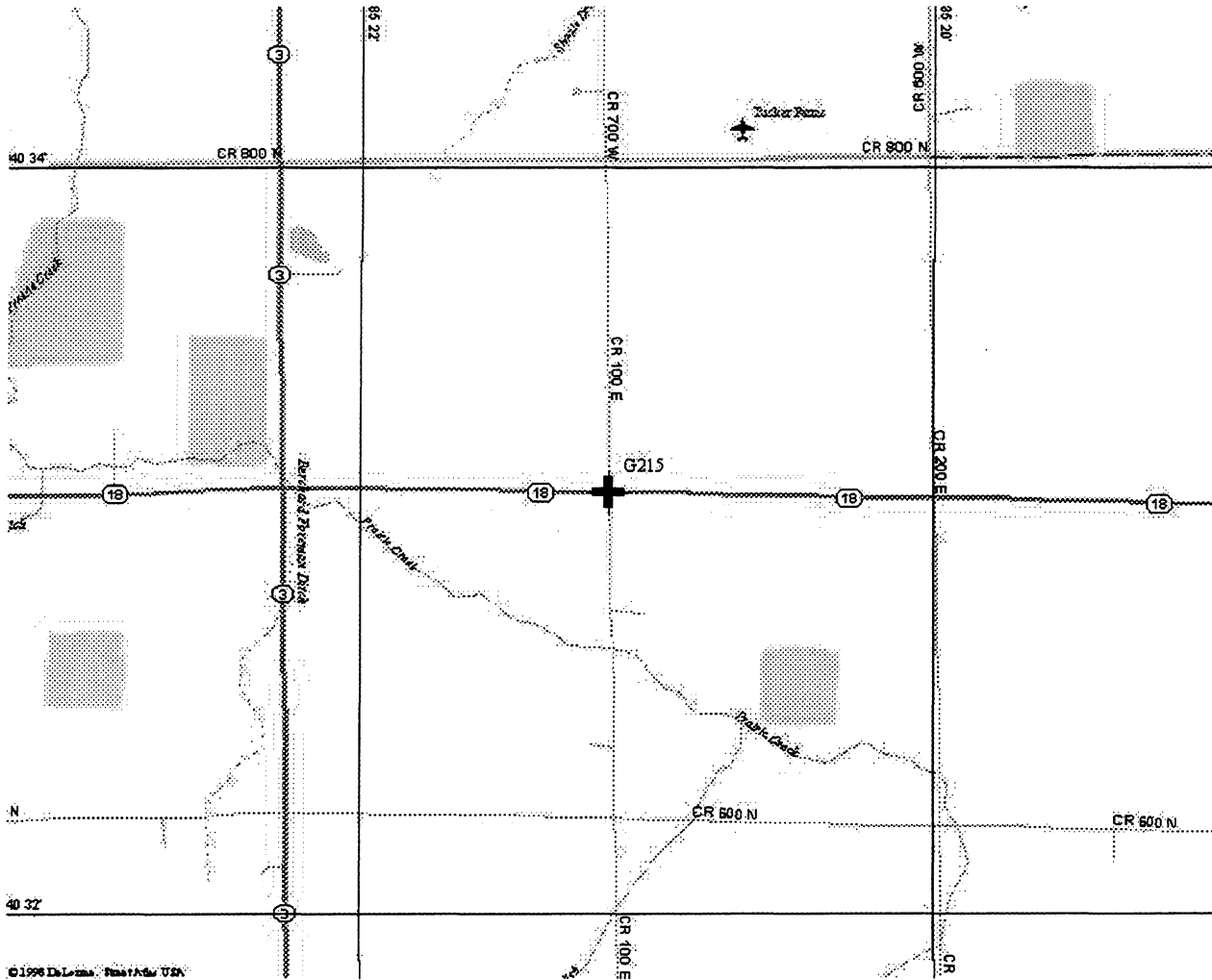
Designator G 215

4-Character ID G215

County BLACKFORD

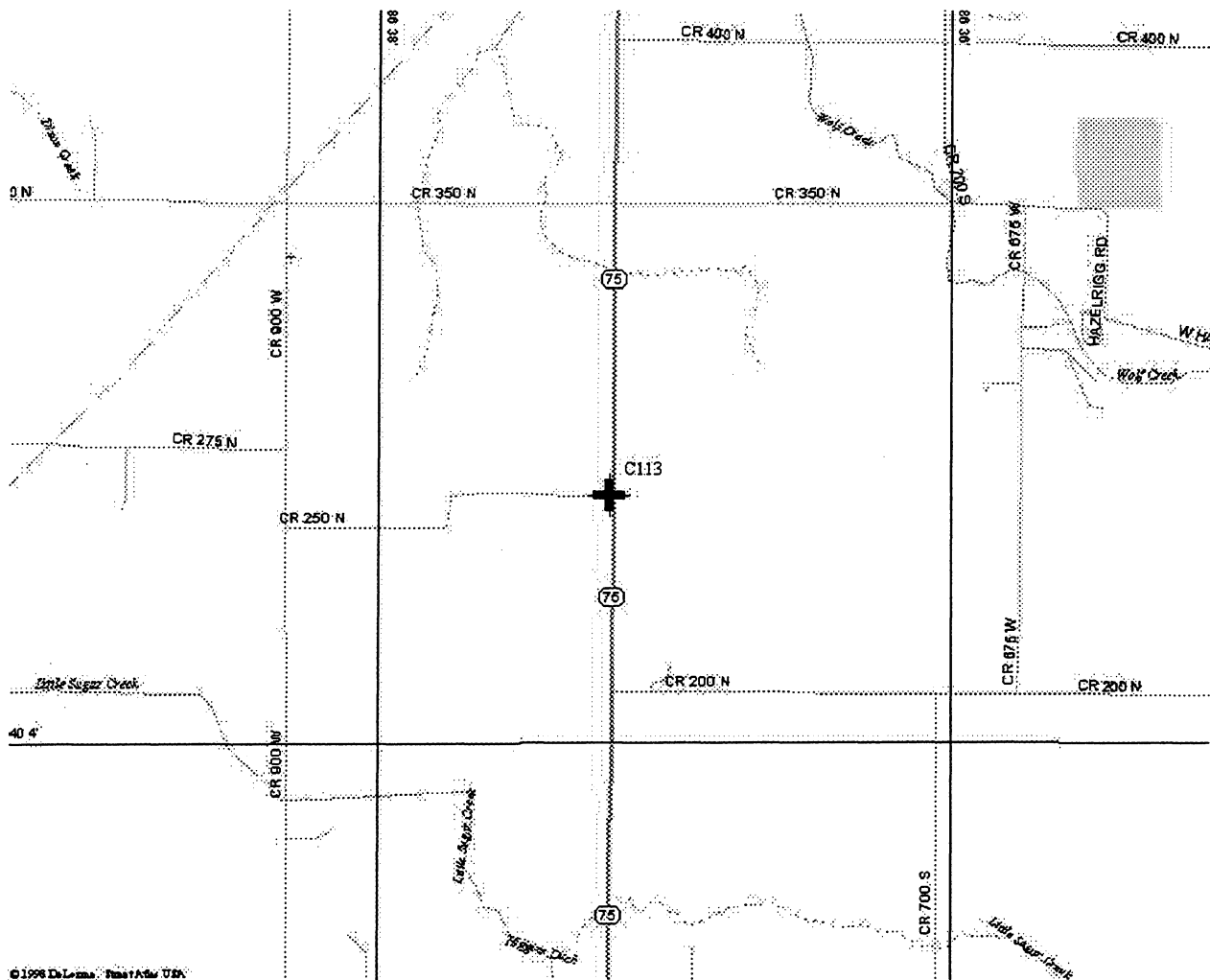
Description and Location Map

DESCRIBED BY COAST AND GEODETIC SURVEY 1947 2.2 MI E FROM ROLL. ABOUT 2.15 MILES EAST ALONG STATE HIGHWAY 18 FROM THE HIGH SCHOOL AT ROLL, ABOUT 1.0 MILE EAST OF THE INTERSECTION OF STATE HIGHWAY 3, AT A GRAVEL CROSS ROAD, 56 FEET WEST OF THE CENTER LINE OF THE CROSS ROAD, 67 FEET EAST OF A TELEPHONE POLE, 30 FEET SOUTH OF THE CENTER LINE OF THE HIGHWAY, 32 FEET WEST OF THE SOUTH END OF AN L SHAPED CONCRETE HEAD WALL OF AN 18-INCH PIPE CULVERT UNDER THE CROSS ROAD, 21 FEET WEST OF A FENCE CORNER, 1 FOOT NORTH OF THE FENCE LINE, 1.5 FEET EAST OF A WHITE WOODEN WITNESS POST, 1 FOOT BELOW THE HIGHWAY AND SET IN THE TOP OF A CONCRETE POST PROJECTING 6 INCHES. NOTE-- GRAVEL ROAD AT THE MARK IS PAVED AND COUNTY ROAD 100 E, MARK IS 1 FOOT EAST OF A METAL WITNESS POST.LA0940 RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS LOCATED 3.5 MILES (5.6 KM) WEST OF MONTPELIER, ON STATE ROAD 18, NEAR THE INTERSECTION OF STATE ROAD 18 AND SOUTH ROAD 100 EAST. LOCATED 17.51 METERS (57.45 FT) WEST OF 100 EAST AND 8.76 METERS (28.74 FT) SOUTH OF CENTERLINE OF STATE ROAD 18. STATION IS IS 10 CENTIMETERS ABOVE GRADE.



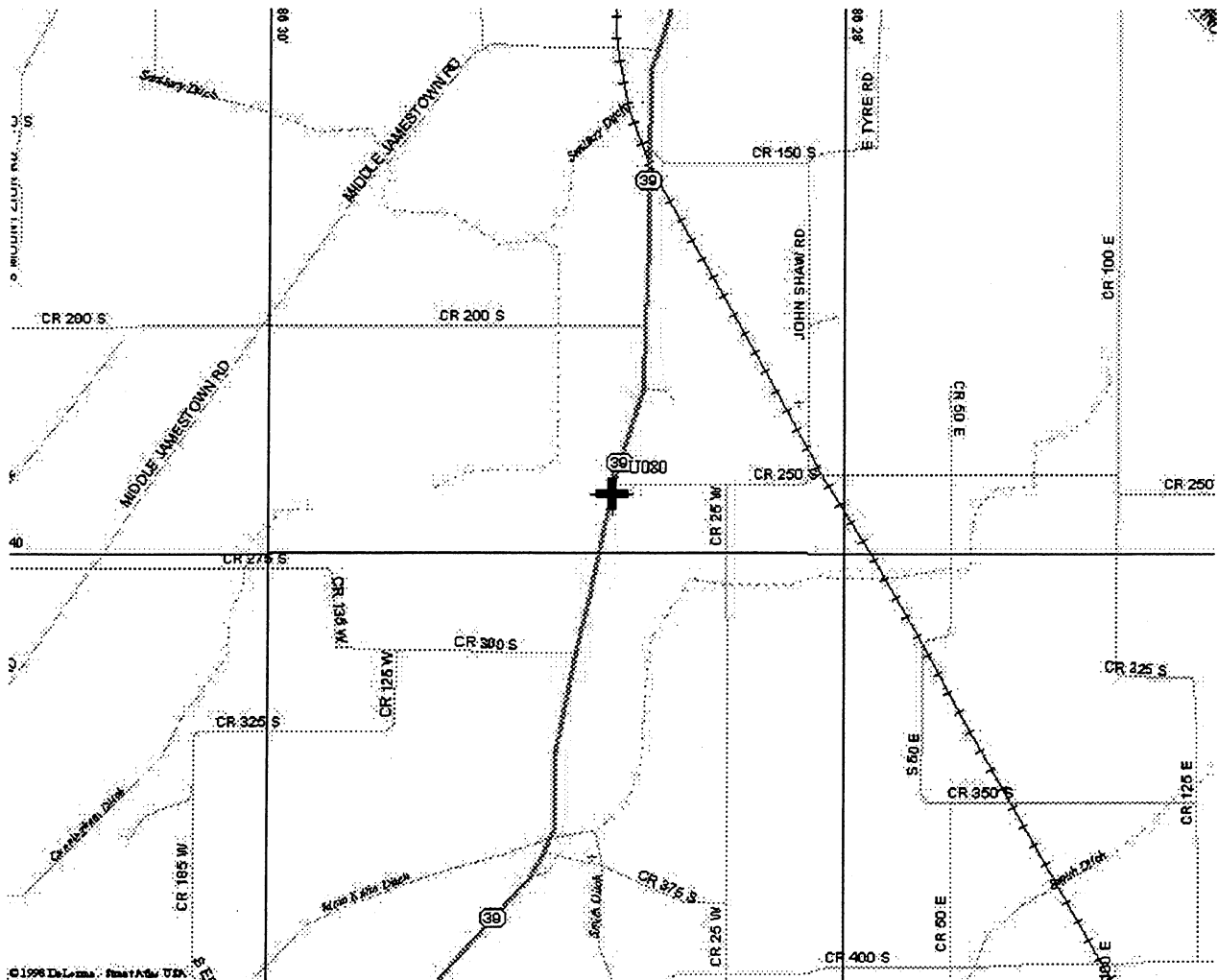
Description and Location Map

RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (BBS) WOOLPERT LLP 1998 (BBS). THE STATION IS LOCATED 2.6 KM (1.60 MI) NORTH OF DOVER. THE PROPERTY OWNER IS JASON SCOTT, 2620 NORTH STATE ROUTE 75, THORNTON IN 46071. FROM THE INTERSECTION OF STATE ROUTE 75 AND STATE ROUTE 32 IN DOVER, PROCEED NORTH ALONG STATE ROUTE 75 FOR 2.6 KM (1.60 MI) TO THE STATION ON THE LEFT AND WEST SIDE OF STATE ROUTE 75, AND SOUTH OF AN UNNAMED SIDE ROAD ALSO ON THE WEST SIDE OF THE STATE ROUTE 75. THE STATION IS A STANDARD BENCHMARK DISK IN A ROUND CONCRETE MONUMENT AND IS 12.1 M (39.7 FT) WEST OF THE CENTERLINE OF STATE ROUTE 75, 6.4 M (21.0 FT) SOUTH OF A UTILITY POLE, AND 0.5 M (1.6 FT) FROM A WITNESS POST.



Description and Location Map

RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (BBS) DESCRIBED BY WOOLPERT LLP 1998 (JCB). 3.5 KM (2.15 MI) NORTH OF MILLEDGEVILLE, 3 MI (4.8 KM) SOUTH OF LEBANON. TO REACH THE STATION FROM THE INTERSECTION OF STATE ROUTE 39 AND STATE ROUTE 32 PROCEED SOUTH ALONG STATE ROUTE 39 FOR 4.8 KM (3.00 MI) TO COUNTY ROAD 250 SOUTH. THE STATION IS IN THE SOUTHEAST QUADRANT OF THE INTERSECTION OF STATE ROUTE 39 AND COUNTY ROAD 250 SOUTH. THE STATION IS A STANDARD DISK IN A CONCRETE MONUMENT STAMPED--U 80 1946--. THE STATION IS 2.6 M (8.5 FT) SOUTH OF A TELEPHONE PEDESTAL, 11.6 M (38.1 FT) EAST OF THE CENTERLINE OF STATE ROUTE 39, 18.5 M (60.7 FT) SOUTH OF THE CENTERLINE OF COUNTY ROAD 250 SOUTH, 1.0 M (3.3 FT) SOUTHWEST OF A CONCRETE RIGHT OF WAY MARKER, 18.0 M (59.1 FT) SOUTHWESTERLY OF THE NORTHEASTERLY FENCE CORNER, AND 3.9 M (12.8 FT) NORTHWESTERLY OF THE SOUTHWESTERLY FENCE CORNER. NOTE--THE FENCE HAS TWO NON-90 DEGREE FENCE CORNERS AT THIS FIELD CORNER.



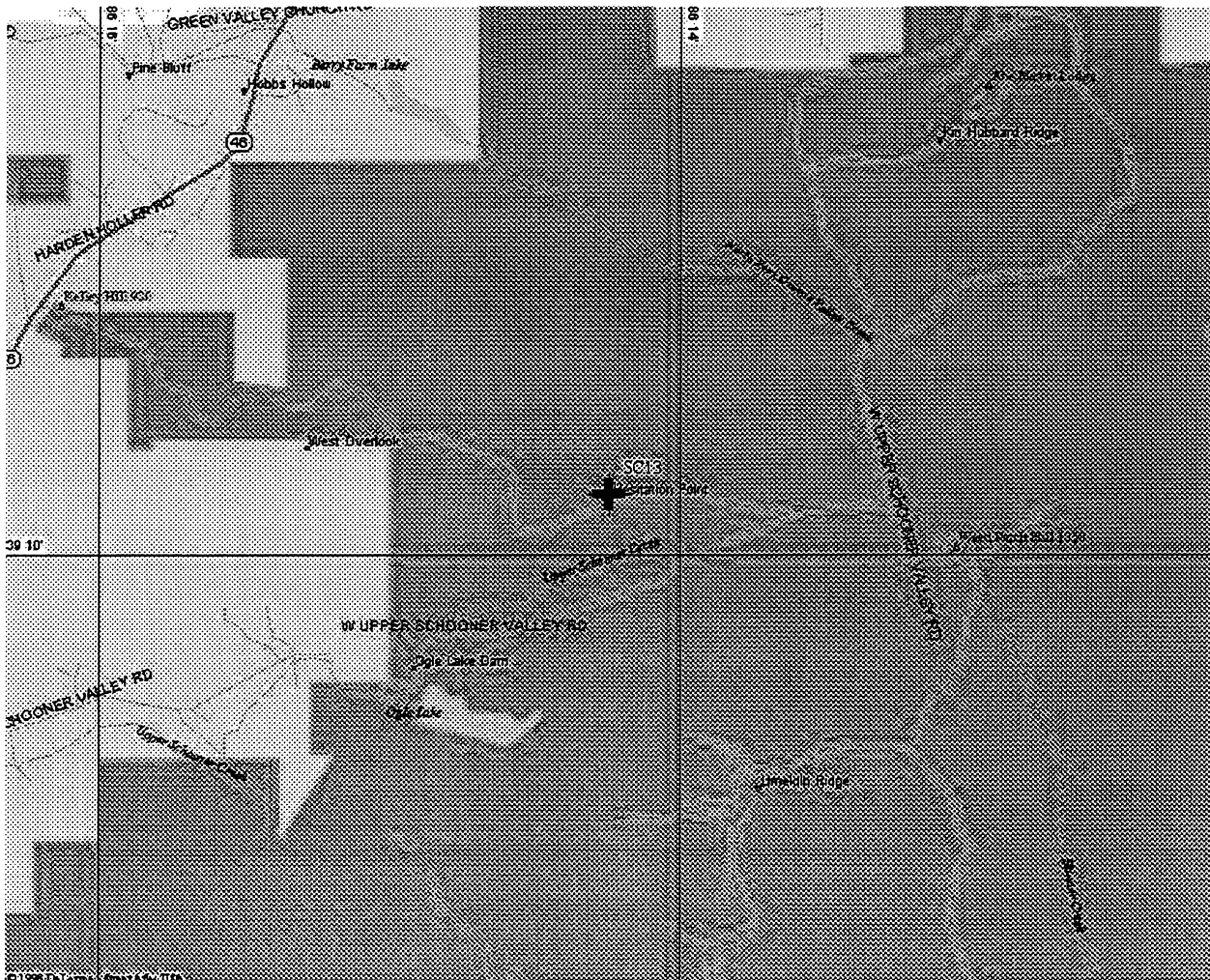
Designator SC 13

4-Character ID SC13

County BROWN

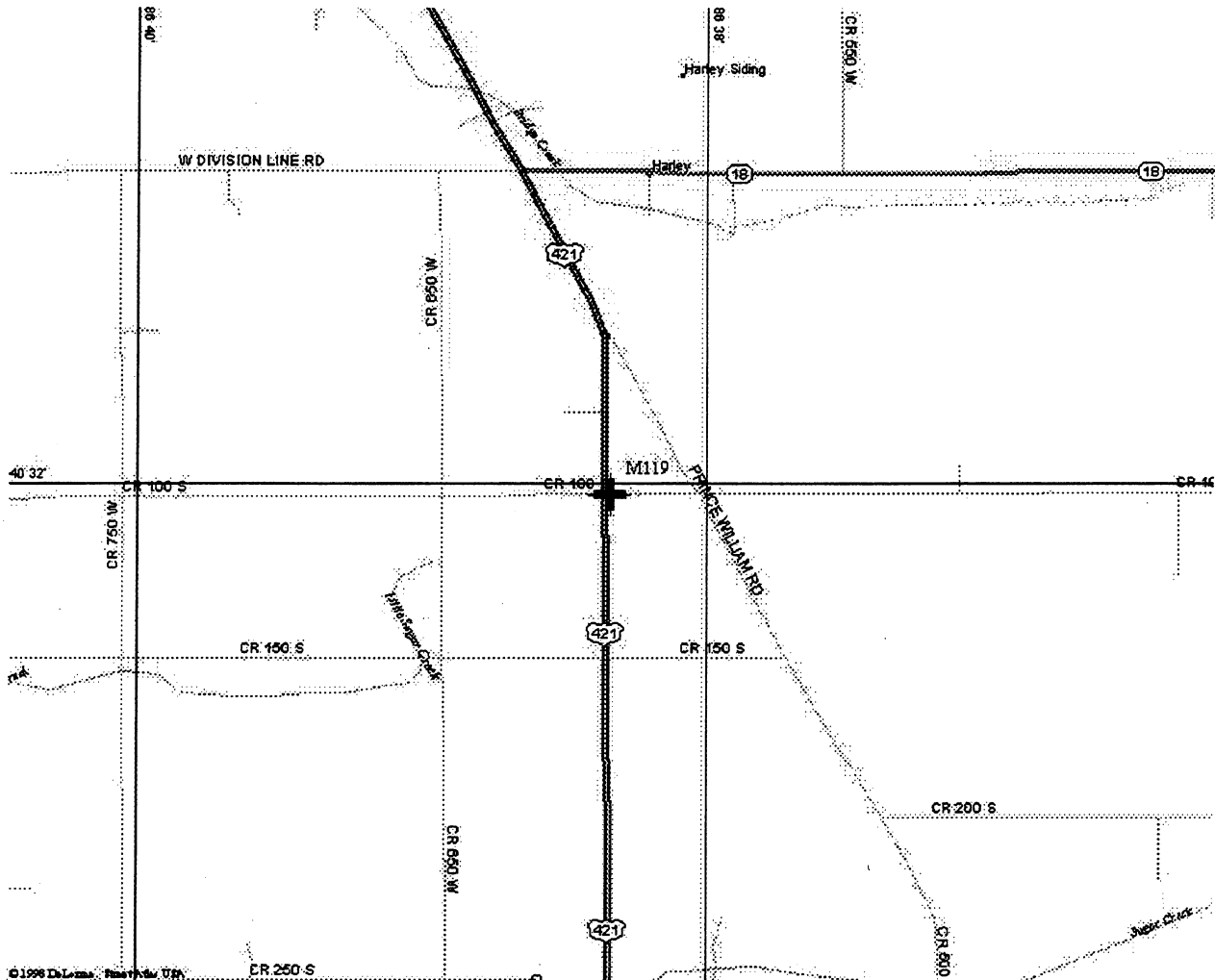
Description and Location Map

DESCRIBED BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) ABOUT 2 MILES (3.2 KM) SOUTH OF NASHVILLE, IN BROWN COUNTY STATE PARK, AT HESITATION POINT. TO REACH STATION FROM THE INTERSECTION OF STATE ROAD 46 AND STATE ROAD 135 ON THE SOUTH SIDE OF NASHVILLE, TAKE STATE ROAD 46 WEST FOR 2.3 MILES (3.7 KM) TO THE WEST ENTRANCE OF BROWN COUNTY STATE PARK, TURN LEFT, WEST INTO PARK AND GO 2.3 MILES (3.7 KM) TO THE STATION ON LEFT, AT NORTHWEST CORNER OF PARKING LOT FOR HESITATION POINT. STATION IS SET IN THE TOP OF SQUARE CONCRETE MONUMENT PROJECTING 25 CM ABOVE GROUND. THE NORTHWEST CORNER OF A 2 FOOT (0.6 M) LIMESTONE WALL BEARS AZIMUTH 140 DEGREES 0.555 METERS (1.821 FT), EASTERNMOST POST OF HESITATION POINT INFORMATION SIGN BEARS AZIMUTH 192 DEGREES 1.80 METERS (5.91 FT), THE SOUTH END OF 2 FOOT (0.6 M) LIMESTONE WALL BEARS AZIMUTH 160 DEGREES 3.20 METERS (10.50 FT). THE STATION IS 24.8 METERS (81.4 FT) NORTH OF THE CENTERLINE OF ASPHALT ROAD. OWNERSHIP--ON THE PROPERTY OF THE STATE OF INDIANA, UNDER CONTROL OF THE DEPARTMENT OF NATURAL RESOURCES.



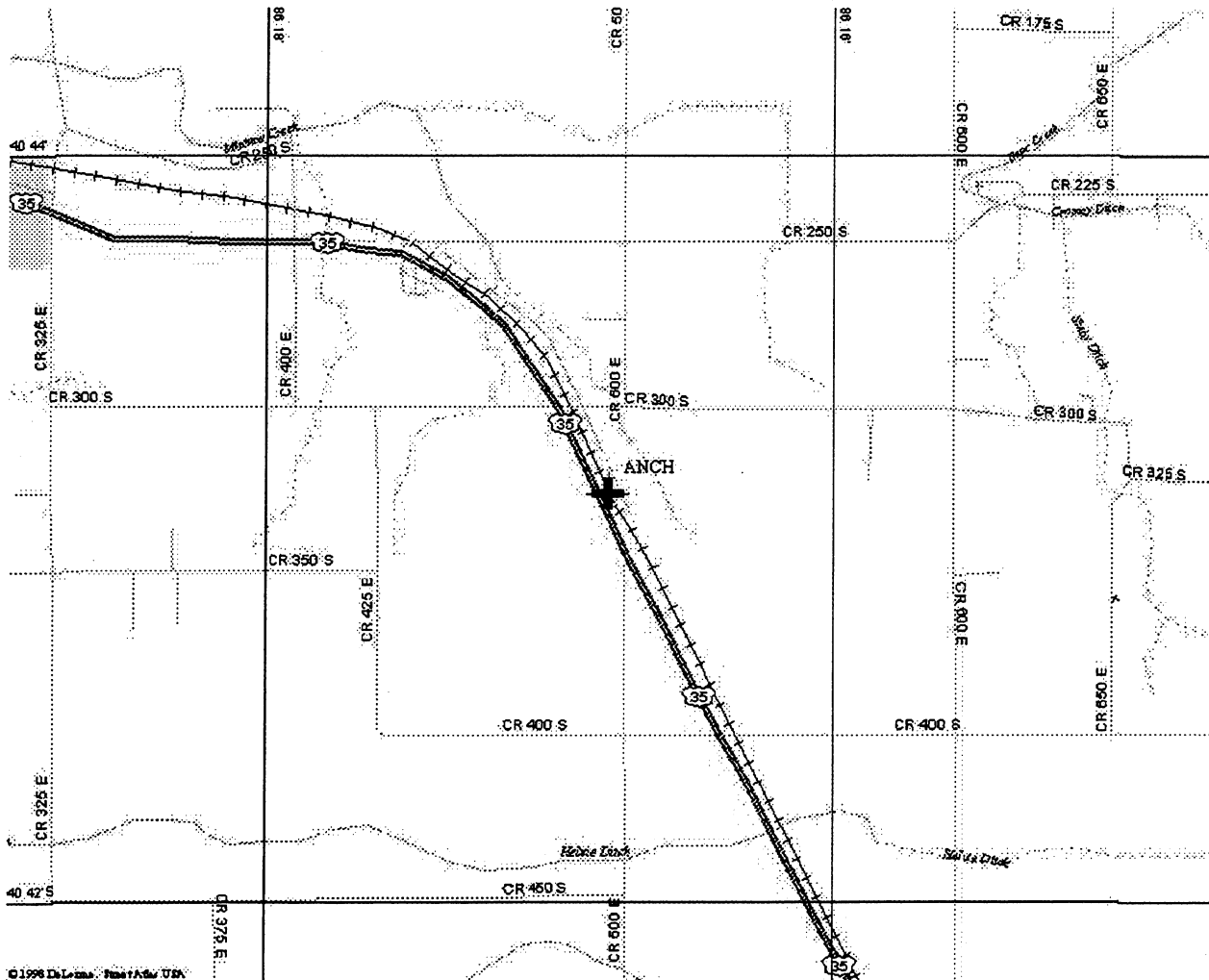
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) 4.2 MILES (6.8 KM) SOUTH OF THE EAST JUNCTION OF STATE ROAD 39 AND STATE ROAD 25 IN DELPHI TO A CROSSROADS (COUNTY ROAD 100 SOUTH). THE STATION IS SET IN THE TOP OF A SQUARE CONCRETE POST FLUSH WITH GROUND. LOCATED IN THE NORTHEAST QUADRANT OF THE INTERSECTION, 9.10 METERS (29.86 FT) EAST OF CENTERLINE OF STATE ROAD 39 (U.S. 421), 6.60 METERS (21.65 FT) NORTH OF CENTERLINE OF THE COUNTY ROAD AND 1.10 METERS (3.61 FT) NORTH OF A 0.35 METER (1.15 FT) DIAMETER CONCRETE POST.



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION WAS RECOVERED IN FAIR CONDITION. THE STATION DISK IS MISSING. THE DISK SHAFT REMAINS AND MONUMENT IS IN GOOD SHAPE. IT IS LOCATED ABOUT 5 MI (8.0 KM) SOUTHEAST OF LOGANSPORT, 4 MI (6.4 KM) NORTHWEST OF WALTON. FROM THE JUNCTION OF U.S. HIGHWAY 35 AND STATE HIGHWAY 29, GO SOUTHEAST ON HIGHWAY 35 FOR 5.25 MI (8.45 KM) TO THE STATION, ON THE EAST RIGHT-OF-WAY OF HIGHWAY. THE STATION IS 24.3 M (79.7 FT) EAST FROM THE CENTERLINE OF HIGHWAY, 20.9 M (68.6 FT) WEST OF THE WEST RAIL OF RAILROAD, AZIMUTH 145 DEGREES 137.161 M (450.002 FT) TO RAILROAD UNDERPASS, AZIMUTH 76.951 M (252.463 FT) TO POWER POLE, AZIMUTH 275 DEGREES 53.251 M (174.708 FT) TO POWER POLE.



Designator JVY B

4-Character ID JVYB

County CLARK

Description and Location Map

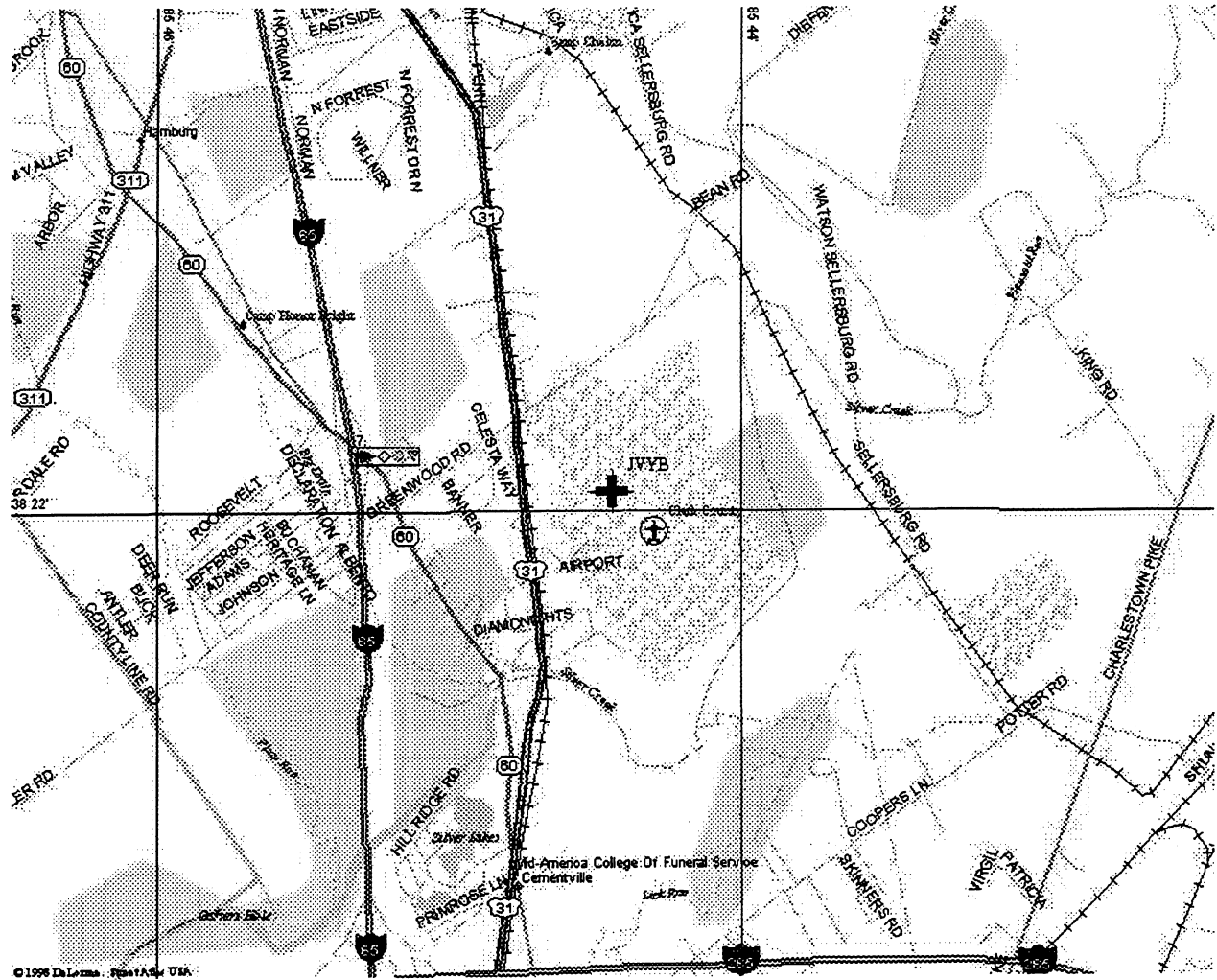
DESCRIBED BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED ABOUT 6 KM (3.70 MI) NORTH OF JEFFERSONVILLE, 4 KM (2.50 MI) SOUTH OF SELLERSBURG, 3 KM (1.85 MI) NORTH-NORTHEAST OF THE JUNCTION OF INTERSTATE HIGHWAYS 65 AND 265, AT THE JEFFERSONVILLE-CLARK COUNTY AIRPORT, IN THE SOUTHWEST QUADRANT OF THE JUNCTION OF RUNWAY 14-32 AND THE PARALLEL TAXI FOR RUNWAY 18-36, AND BETWEEN RUNWAY 14-32 AND ITS PARALLEL TAXI. OWNERSHIP--W.E. HAPPEL, HAPS AERIAL ENTERPRISES, 7001 AIRPORT DRIVE, SELLERSBURG IN 47172, PHONE 812-246-5491. CONTACT HIM FOR PERMISSION TO OCCUPY THIS STATION. TO REACH FROM THE OVERPASS AT THE JUNCTION OF INTERSTATE HIGHWAY 65 AND STATE HIGHWAY 60 (EXIT 7), GO SOUTHEAST ON HIGHWAY 60 FOR 0.35 KM (0.20 MI) TO A PAVED ROAD LEFT. TURN LEFT, EAST-NORTHEAST ON GREENWOOD ROAD FOR 0.72 KM (0.45 MI) TO THE JUNCTION OF U.S. HIGHWAY 31. TURN RIGHT, SOUTH-SOUTHEAST ON HIGHWAY 31 FOR 0.52 KM (0.30 MI) TO THE PAVED AIRPORT ENTRANCE ROAD ON THE LEFT. TURN LEFT, SOUTHEAST ON THE ENTRANCE ROAD FOR 0.48 KM (0.30 MI) TO A GATE AT THE APRON AND THE OFFICE AND TERMINAL ON THE LEFT. PASS THROUGH THE GATE, THEN TURN LEFT, NORTH, THEN NORTHWEST ON THE APRON FOR 0.33 KM (0.20 MI) TO A CONNECTOR TAXI ON THE RIGHT. TURN RIGHT, NORTHEAST ALONG THE TAXI AND CROSSING THE PARALLEL TAXI FOR RUNWAY 14-32 FOR 0.08 KM (0.05 MI) TO THE STATION. THE STATION IS SET FLUSH IN A 5 M (16.4 FT) X 7 M (23.0 FT) AREA OF EXPOSED BEDROCK. IT IS 68.5 M (224.7 FT) SOUTHWEST OF THE SOUTHWEST EDGE OF RUNWAY 14-32, 42.1 M (138.1 FT) NORTHEAST OF THE PARALLEL TAXI CENTER, 35.0 M (114.8 FT) NORTHEAST OF THE NORTHEAST EDGE OF THE TAXI, 4.3 M (14.1 FT) SOUTHWEST OF AND ABOUT 1.5 M (4.9 FT) HIGHER THAN THE CENTER OF A DITCH, 2.65 M (8.69 FT) SOUTHWEST OF A FIBERGLASS WITNESS POST AND 0.7 M (2.3 FT) NORTHWEST OF THE EXTENDED CENTER OF THE CONNECTOR TAXI. NOTE--THIS STATION IS DESIGNATED AS THE PRIMARY AIRPORT CONTROL STATION.

(location map on following page)

Designator JVYB

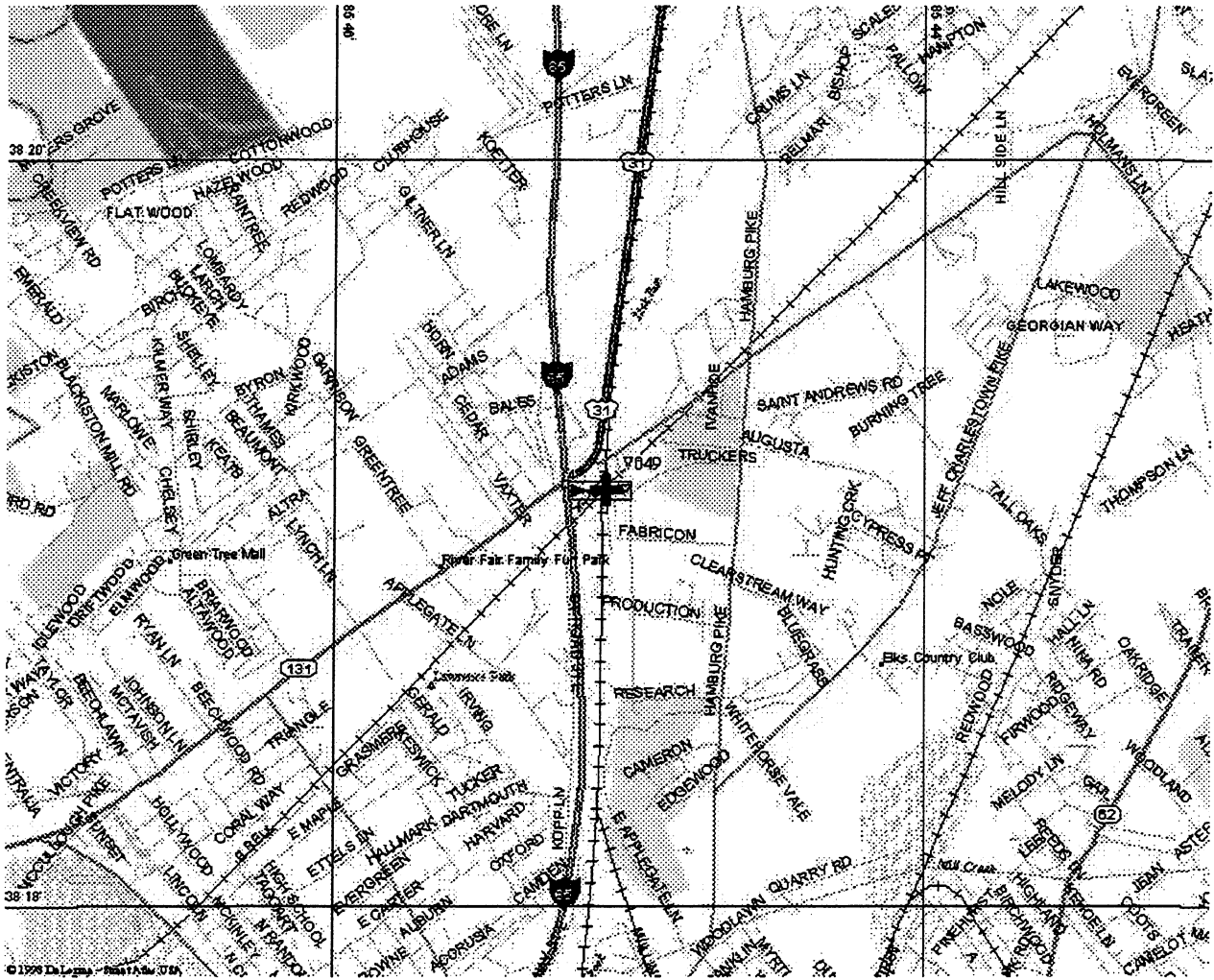
4-Character ID JVYB

County CLARK



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS ABOUT 3.2 MILES (5.1 KM) NORTH OF CLARKSVILLE, ON LNI RAILROAD LINE. TO REACH THE STATION FROM STATE ROAD 131 AND INTERSTATE HIGHWAY 65 (EXIT 4), GO 0.2 MILE (0.3 KM) EAST ON STATE ROAD 131 TO CHARLESTOWN/NEW ALBANY PIKE. TURN RIGHT, SOUTHEAST ON CHARLESTOWN/NEW ALBANY PIKE. GO 0.1 MILE (0.2 KM) TO INDUSTRIAL BOULEVARD. TURN RIGHT, SOUTH ON INDUSTRIAL BOULEVARD. CROSS FIRST SET OF TRACKS AND TURN RIGHT, SOUTHWEST ONTO GRAVEL ROAD TO OLD BRICK TOWER AND STATION ON RIGHT. STATION IS SET FLUSH IN CONCRETE SWITCH GUIDE BASE ON LNI RAILROAD. CENTERLINE OF LNI RAILROAD TRACKS ARE WEST 10.69 METERS (35.07 FT), CENTERLINE OF INDUSTRIAL BOULEVARD AT MAG AZIMUTH 60 DEGREES 52.55 METERS (172.41 FT), CENTERLINE OF INTERSECTION OF TRACKS AT MAG AZIMUTH 345 DEGREES 19.17 METERS (62.89 FT), NORTHEAST CORNER OF BRICK TOWER AT MAG AZIMUTH 251 DEGREES 13.29 METERS (43.60 FT), SOUTHEAST CORNER BRICK TOWER AT MAG AZIMUTH 235 DEGREES 13.74 METERS (45.08 FT), METAL SIGNAL POST AT MAG AZ 311 DEGREES 10.69 METERS (35.07 FT), 5/8 INCH REBAR WITH PLASTIC CAP MARKED LEIGH LS1776 AT MAG AZIMUTH 69 DEGREES 14.17 METERS (46.49 FT). NOTE--DISC IS SET IN CONCRETE OF UNKNOWN DEPTH. STABILITY UNCERTAIN. ALSO EVIDENCE OF RECENT SURVEYING IN AREA COULD INDICATE CONSTRUCTION IN NEAR FUTURE.



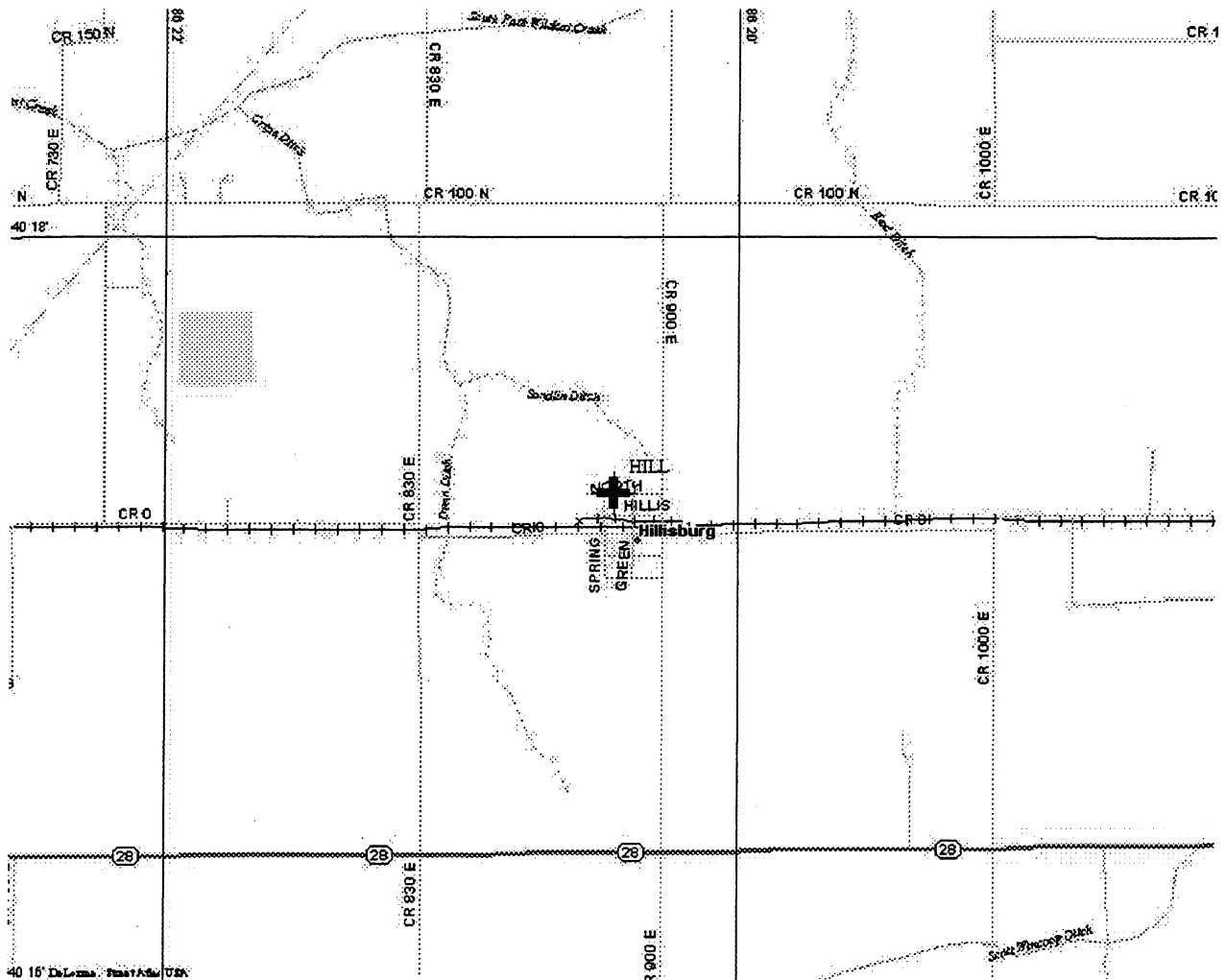
Designator HILLISBURG

4-Character ID HILL

County CLINTON

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS 8.50 MILES (13.68 KM) NORTHEAST OF FRANKLIN, 3.50 MILES (5.63 KM) SOUTHEAST OF MICHIGANTOWN, 2.50 MILES (4.02 KM) WEST OF SCIRCLEVILLE. FROM THE JUNCTION OF U.S. HIGHWAY 31 AND STATE ROAD 28, GO WEST ON STATE ROAD 28 FOR 10.85 MILES (17.46 KM) TO COUNTY ROAD 900 EAST. TURN RIGHT AND GO NORTH FOR 0.95 MILES (1.53 KM) TO A RAILROAD CROSSING IN THE SETTLEMENT OF HILLISBURG. CONTINUE NORTH FOR 0.10 MILES (0.16 KM) TO NORTH STREET. TURN LEFT AND GO WEST FOR 0.05 MILES (0.08 KM) TO THE STATION ON RIGHT (NORTH SIDE OF ROAD), IN THE RIGHT-OF-WAY OF NORTH STREET. THE STATION IS SET IN THE TOP OF A 12 INCH ROUND CONCRETE POST FLUSH WITH GROUND. LOCATED AZIMUTH 238 DEGREES 33.090 METERS (108.563 FT) TO A FENCE CORNER, AZIMUTH 175 DEGREES 18.116 METERS (59.436 FT) TO NORTHEAST CORNER OF A GARAGE, AZIMUTH 180 DEGREES 8.410 METERS (27.592 FT) TO CENTERLINE OF ROAD, AZIMUTH 290 DEGREES 2.050 METERS (6.726 FT) TO A METAL WITNESS POST, AZIMUTH 0 DEGREES 0.750 METERS (2.461 FT) TO A WOVEN WIRE FENCE.



Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED ABOUT 32 KM (19.90 MI) SOUTHEAST OF FRENCH LICK, 20 KM (12.40 MI) NORTH OF INTERSTATE HIGHWAY 64, 5 KM (3.10 MI) EAST OF ENGLISH, 1 KM (0.60 MI) WEST OF A ROCK QUARRY, BETWEEN A ROAD AND RAILROAD AND IN THE RAILROAD RIGHT-OF-WAY. OWNERSHIP--SOUTHERN RAILROAD. CONTACT THE SOUTHERN RAILROAD CHIEF DISPATCHER AT 606-678-6112 BEFORE OCCUPYING STATION. TO REACH FROM OVERPASS AT THE JUNCTION OF STATE HIGHWAYS 64 AND 37, ABOUT 1.5 KM (0.95 MI) WEST OF ENGLISH, GO EAST ON HIGHWAY 64 PASSING THROUGH THE NORTH SIDE OF ENGLISH FOR 4.38 KM (2.70 MI) TO A PAVED ROAD RIGHT NEAR THE BOTTOM OF A GRADE IN THE HIGHWAY AND ABOUT 0.08 KM (0.05 MI) EAST OF A BRIDGE. TURN RIGHT, SOUTHEAST ON THE ROAD FOR 2.01 KM (1.25 MI) TO A PAVED ROAD JUST BEFORE THE BOTTOM OF A HILL. TURN RIGHT, SOUTH ON THE ROAD FOR 0.16 KM (0.10 MI) TO A T-JUNCTION AT THE BOTTOM OF THE HILL AND THE STATION ON THE RIGHT. THE STATION IS SET IN THE TOP OF AND NEAR THE WEST END OF A 4.5 M (14.8 FT) LONG X 2.5 M (8.2 FT) HIGH X 0.3 M (1.0 FT) WIDE HEADWALL LEADING UNDER THE RAILROAD. IT IS 14.5 M (47.6 FT) WEST OF THE EXTENDED CENTER OF THE ROAD LEADING NORTH, 11.7 M (38.4 FT) SOUTH OF THE EAST-WEST ROAD, 7.3 M (24.0 FT) SOUTH OF THE SOUTH END OF THE WEST ONE OF TWO STEEL CULVERTS UNDER THE ROAD, 1.9 M (6.2 FT) NORTH OF THE NORTH RAIL AND 0.4 M (1.31 FT) EAST OF THE WEST END OF THE HEADWALL.



Designator DAVIESS

4-Character ID DAVI

County DAVIESS

Description and Location Map

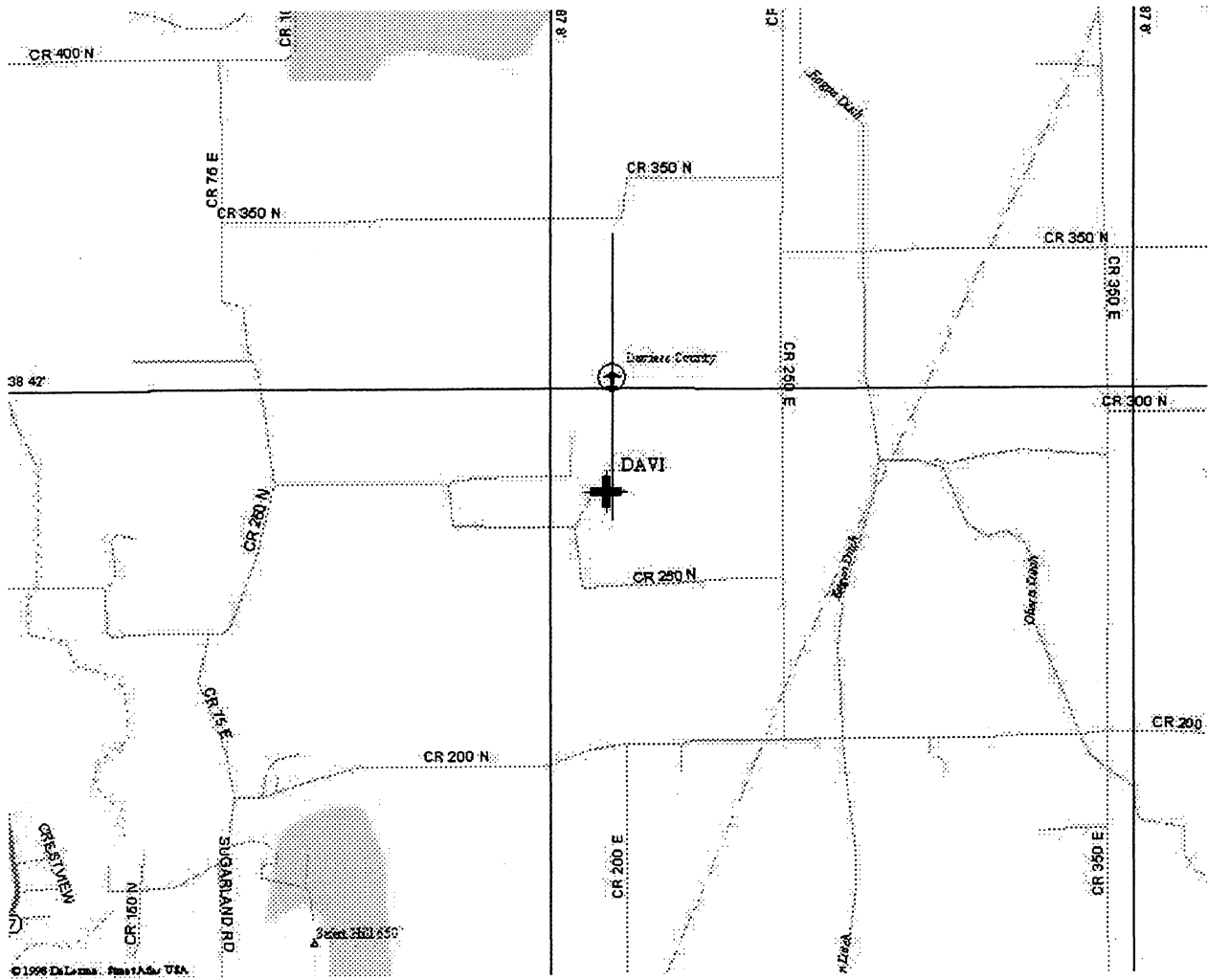
RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED ABOUT 7 KM (4.35 MI) NORTHEAST OF WASHINGTON, AT THE WASHINGTON-DAVIESS COUNTY AIRPORT, IN GRASS JUST EAST OF THE OLD AIRPORT OFFICE, IN THE SOUTHEAST QUADRANT OF THE JUNCTION OF THE RUNWAY AND THE CONNECTOR TAXI FROM THE APRON. OWNERSHIP-- FOWLER AVIATION, ROUTE 3, WASHINGTON IN 47501. AIRPORT MANAGER IS WILLIAM KESSLER, PHONE 812-254-9934. TO REACH FROM THE JUNCTION OF U.S. HIGHWAYS 50 AND 150 AND STATE HIGHWAY 57 JUST SOUTH OF WASHINGTON, GO NORTH ON HIGHWAY 57 FOR 2.53 KM (1.55 MI) TO THE JUNCTION OF HIGHWAY 57 ON THE LEFT AND CENTER STREET LEADING EAST. TURN LEFT, NORTH ON HIGHWAY 57 FOR 1.93 KM (1.20 MI) TO A PAVED ROAD RIGHT (COUNTY ROAD 125N) AT AN AIRPORT SIGN. TURN RIGHT, EAST ON THE ROAD FOR 0.8 KM (0.50 MI) TO A PAVED ROAD RIGHT (WAGNER AVENUE). TURN LEFT, NORTHEASTERLY ON COUNTY ROAD 125N FOR 0.67 KM (0.40 MI) TO A REVERSE Y-JUNCTION (COUNTY ROAD 75E). TURN LEFT, NORTHEASTERLY ON COUNTY ROAD 75E FOR 1.96 KM (1.20 MI) TO THE JUNCTION OF A PAVED ROAD RIGHT (COUNTY ROAD 250N) AND A GRAVEL ROAD LEADING NORTH (ROAD 75E). TURN RIGHT, EASTERLY ON COUNTY ROAD 250 N FOR 1.6 KM (1.00 MI) TO THE AIRPORT ENTRANCE ON THE LEFT. TURN LEFT, NORTHEAST ON THE ROAD FOR 0.16 KM (0.10 MI) TO A GATE AT THE APRON. PASS THROUGH THE GATE, THEN TURN EAST, ON THE APRON AND ALONG A TAXI FOR 0.08 KM (0.05 MI) TO THE STATION ON THE RIGHT. THE STATION IS SET IN THE TOP OF A 25 CM ROUND CONCRETE POST FLUSH WITH THE GROUND. IT IS 28.3 M (92.8 FT) WEST OF THE RUNWAY CENTER, 19.2 M (63.0 FT) WEST OF THE WEST EDGE OF THE RUNWAY, 13.7 M (44.9 FT) SOUTH OF THE TAXI CENTER, 13.3 M (43.6 FT) EAST OF A FENCE CORNER AND FIBERGLASS WITNESS POST, 10.1 M (33.1 FT) EAST-SOUTHEAST OF THE NORTHEAST CORNER OF THE CONCRETE PAD FOR A RAMP AND RUNWAY SIGN, AND 7.7 M (25.3 FT) SOUTH OF THE SOUTH EDGE OF THE TAXI. NOTE-- THIS STATION IS DESIGNATED AS THE PRIMARY AIRPORT CONTROL STATION.

(location map on following page)

Designator DAVI

4-Character ID DAVI

County DAVI



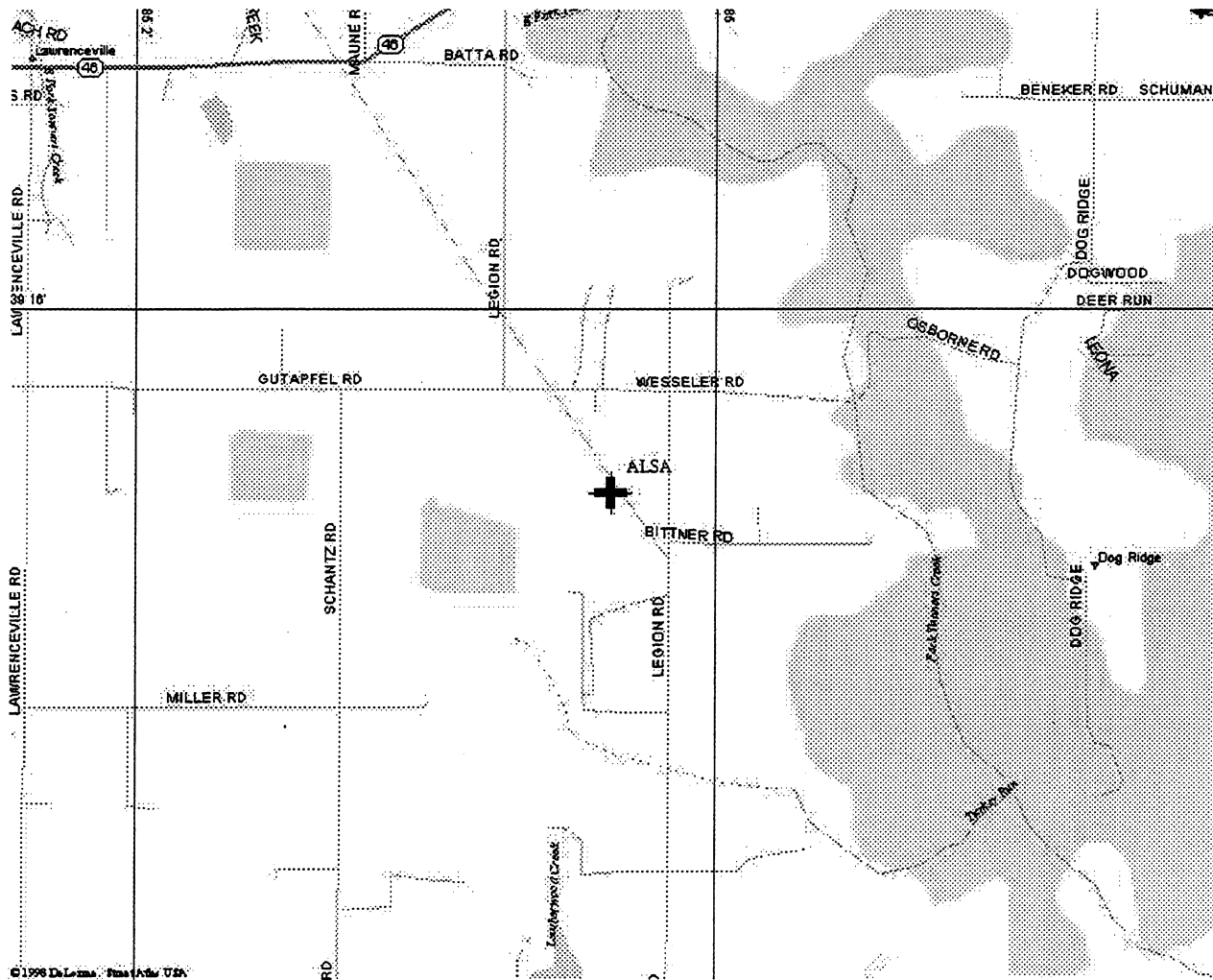
Designator ALSACE

4-Character ID ALSA

County DEARBORN

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED FROM THE INTERSECTION OF STATE ROAD 46 AND STATE ROAD 1, 2.8 MILES (4.5 KM) WEST ON STATE ROAD 46 TO LEGION ROAD, SOUTH 1.2 MILES (1.9 KM) TO THE INTERSECTION OF GUTAPFEL AND LEGION, LEFT ON LEGION 0.8 MILES (1.3 KM) TO 26645 LEGION ROAD, THE HOME OF LARRY HOFFBAUER, PHONE 812-623-2955. THE STATION IS LOCATED ABOUT 0.15 MILES (0.24 KM) WEST OF LEGION ROAD AND ABOUT 0.10 MILES (0.16 KM) WEST OF BARN, 137 FEET (41.8 M) WEST-NORTHWEST OF ALSACE RM 1, 139.4 FEET (42.5 M) EAST-NORTHEAST OF ALSACE RM 3, 18.1 FEET (5.5 M) NORTH OF AN EAST-WEST FENCE LINE. THE STATION IS A ROUND CONCRETE MONUMENT APPROXIMATELY 1.0 FOOT (0.3 M) BELOW THE SURFACE. THE ABOVE MENTIONED STATION AND REFERENCE MONUMENTS APPEAR TO BE STABLE AND IN EXCELLENT CONDITION. THE STATION IS APPROXIMATELY 180 FEET (54.9 M) SOUTHWEST OF AN ELECTRIC TOWER.



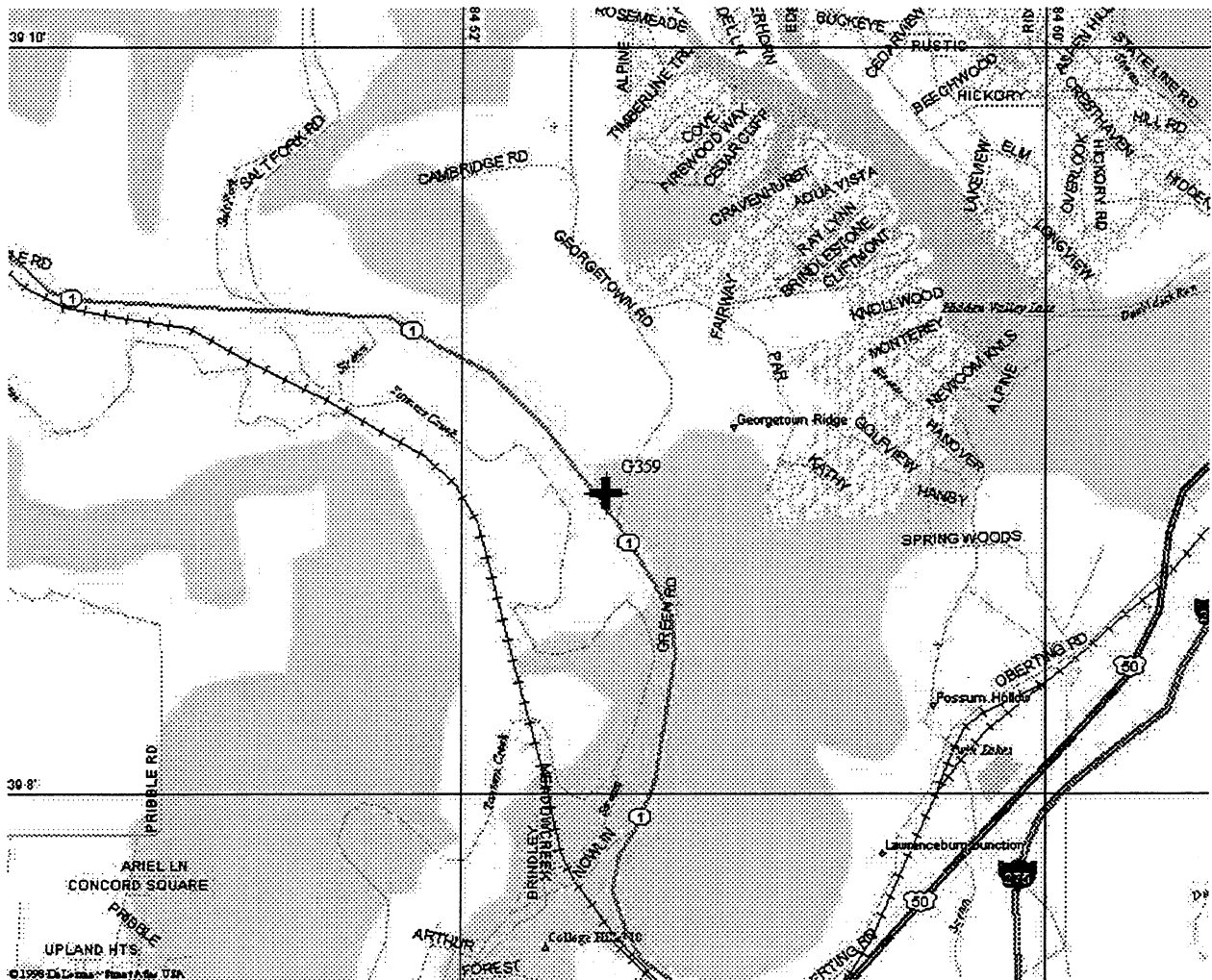
Designator G 359

4-Character ID G359

County DEARBORN

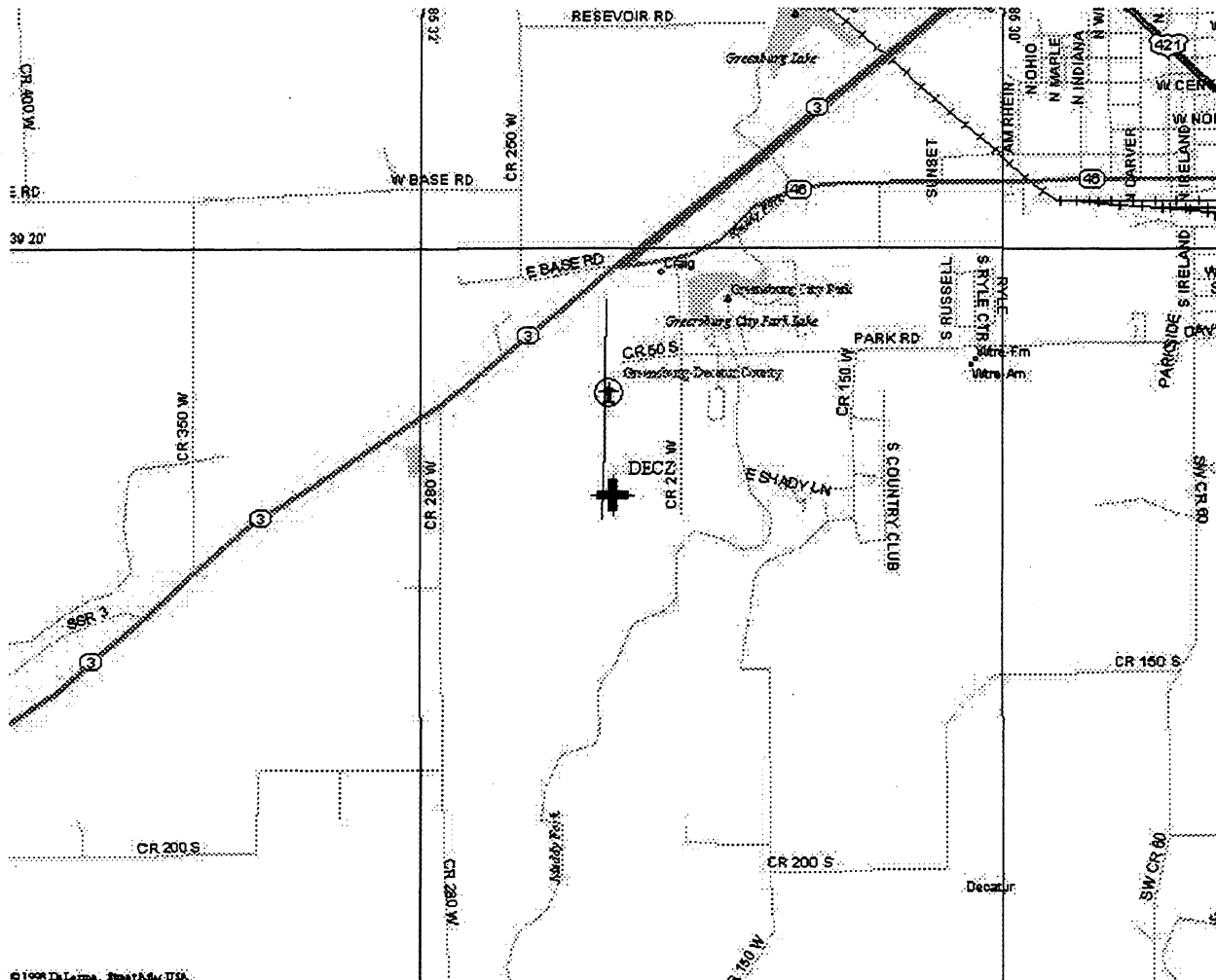
Description and Location Map

RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (ARL) RECOVERY NOTE BY WOOLPERT LLP 1998 (ARL). 2.2 MI (3.5 KM) NORTH OF LAWRENCEBURG. TO REACH THE STATION PROCEED 2.2 MI (3.5 KM) NORTH ALONG STATE HIGHWAY 1 FROM ITS JUNCTION WITH US HIGHWAY 50 AT THE CONNECTOR ROAD TO INTERSTATE 275, TO GEORGETOWN ROAD ON THE RIGHT HAND SIDE. THE STATION IS LOCATED IN THE NE CORNER OF THE INTERSECTION. THE STATION IS A STAINLESS STEEL ROD STAMPED--G 359--. THE STATION IS 14.7 M (48.2 FT) NE OF THE CENTERLINE OF STATE HIGHWAY 1, 5.5 M (18.0 FT) E OF THE CENTER OF GEORGETOWN ROAD, AND 4.0 M (13.1 FT) E OF A UTILITY POLE WITH A GUY WIRE. NOTE--ACCESS IS THROUGH A 5 INCH LOGO CAP. MARK IS ABOVE LEVEL WITH THE ROAD.



Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED ABOUT 38 KM (23.60 MI) NORTHEAST OF COLUMBUS, 7 KM (4.35 MI) SOUTHWEST OF GREENSBURG, AT THE GREENSBURG-DECATUR COUNTY AIRPORT, NEAR THE SOUTH END OF THE AIRFIELD, IN THE NORTHWEST QUADRANT OF THE JUNCTION OF RUNWAY END 36 AND THE RUNUP RAMP FOR THE RUNWAY END, AND IN LINE WITH THE RUNWAY END LIGHTS. OWNERSHIP--CITY OF GREENSBURG, 1434 EAST BASE ROAD, GREENSBURG IN 47240. AIRPORT MANAGER IS TOM SCHOETTNER, PHONE 812-663-3681. FOR ASSISTANCE NEEDED GO TO THE BOWLING ALLEY ADJACENT TO THE AIRPORT OFFICE. TO REACH FROM THE JUNCTION OF STATE HIGHWAYS 3 AND 46 NEAR THE SOUTHWEST SIDE OF GREENSBURG, GO SOUTHEAST ON HIGHWAY 46 FOR 0.2 KM (0.10 MI) TO A PAVED ROAD RIGHT. TURN RIGHT, SOUTH ON THE ROAD, CROSSING A SET OF RAILROAD TRACKS, FOR 0.35 KM (0.20 MI) TO THE PAVED ROAD TO THE AIRPORT ON THE RIGHT, JUST SOUTH OF A SMALL PARK. TURN RIGHT, WEST ON THE PAVED ROAD FOR 0.2 KM (0.10 MI) TO THE APRON AND THE AIRPORT OFFICE. CONTINUE AHEAD, WEST ACROSS THE APRON AND ALONG A TAXI FOR 0.16 KM (0.10 MI) TO THE JUNCTION OF THE RUNWAY. TURN LEFT, SOUTH ALONG THE RUNWAY FOR 0.64 KM (0.40 MI) TO THE STATION ON THE LEFT. THE STATION IS SET IN THE TOP OF A 25 CM ROUND CONCRETE POST PROJECTING 5 CM ABOVE GROUND. IT IS 10.3 M (33.8 FT) EAST OF THE EAST EDGE OF THE RUNWAY, 7.9 M (25.9 FT) NORTH OF THE NORTH EDGE OF THE RUNUP RAMP AND 1.3 M (4.3 FT) EAST OF THE EAST 1 OF 3 BLUE RUNWAY END LIGHTS. NOTE--THIS STATION IS DESIGNATED AS THE PRIMARY AIRPORT CONTROL STATION.



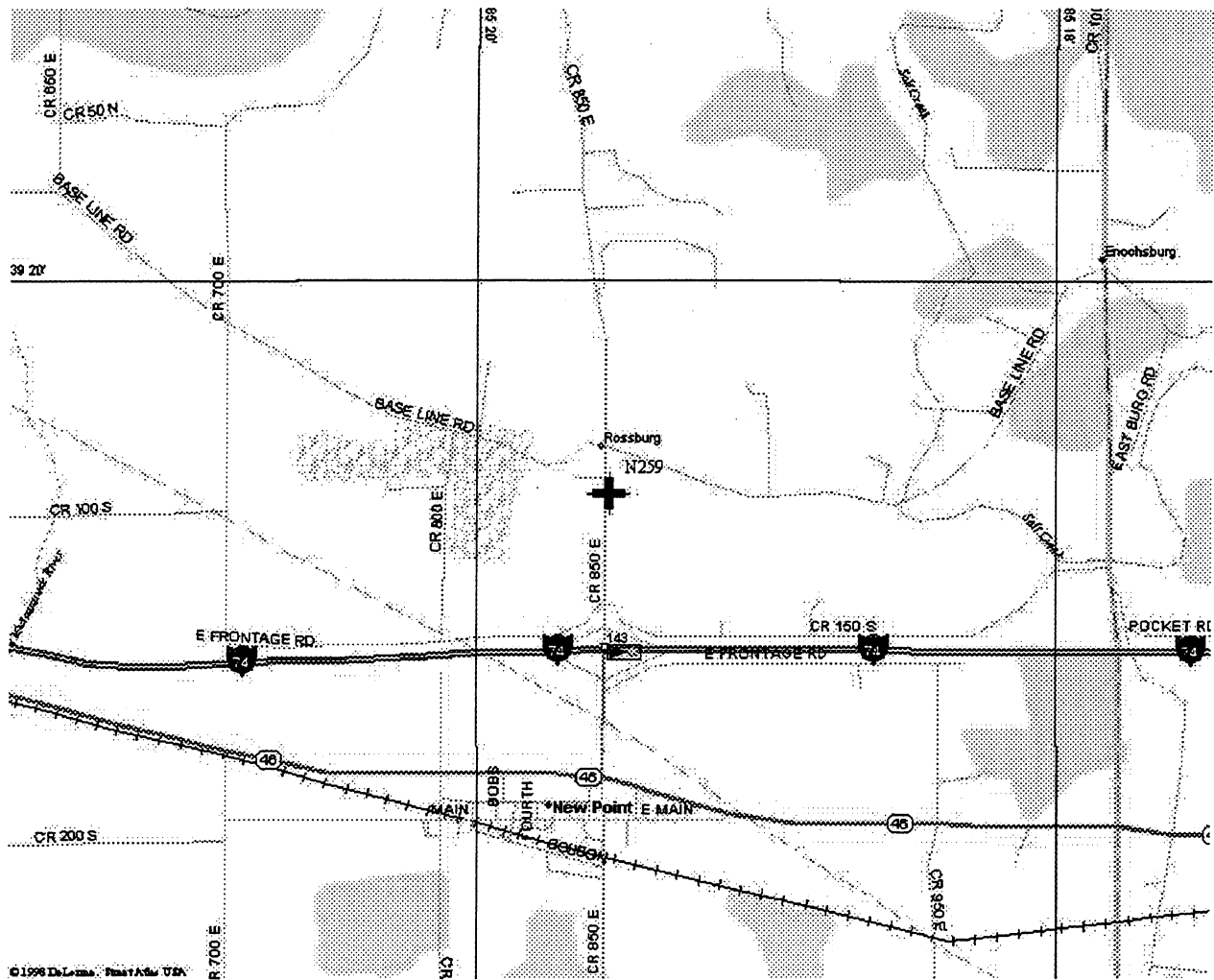
Designator N 259

4-Character ID N259

County DECATUR

Description and Location Map

RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (BBS) RECOVERY NOTE BY WOOLPERT LLP 1998 (BBS). STATION IS LOCATED ABOUT 0.5 MI (0.8 KM) SOUTH OF ROSSBURG, 1.0 MI (1.6 KM) NORTH OF NEW POINT, 10 MI (16.1 KM) EAST OF GREENSBURG. TO REACH THE STATION FROM THE JUNCTION OF INTERSTATE 74 (EXIT 143) AND COUNTY ROAD 850E, GO NORTH ON COUNTY ROAD 850E FOR 0.5 MI (0.8 KM) TO THE MARK ON THE RIGHT. THE STATION IS ALONG THE CAST IRON FENCE FOR THE OLD CEMETERY ACROSS THE ROAD FROM THE ROSSBURG CEMETERY. THE STATION IS 5.3 M (17.4 FT) EAST OF THE CENTERLINE OF COUNTY ROAD 850E, 20.4 M (66.9 FT) SOUTH OF POWER POLE 5D-8-9, 0.9 M (3.0 FT) NORTHEAST OF A TRAFFIC SIGN--SLOW--, AND 0.4 M (1.3 FT) WEST OF THE CAST IRON FENCE.



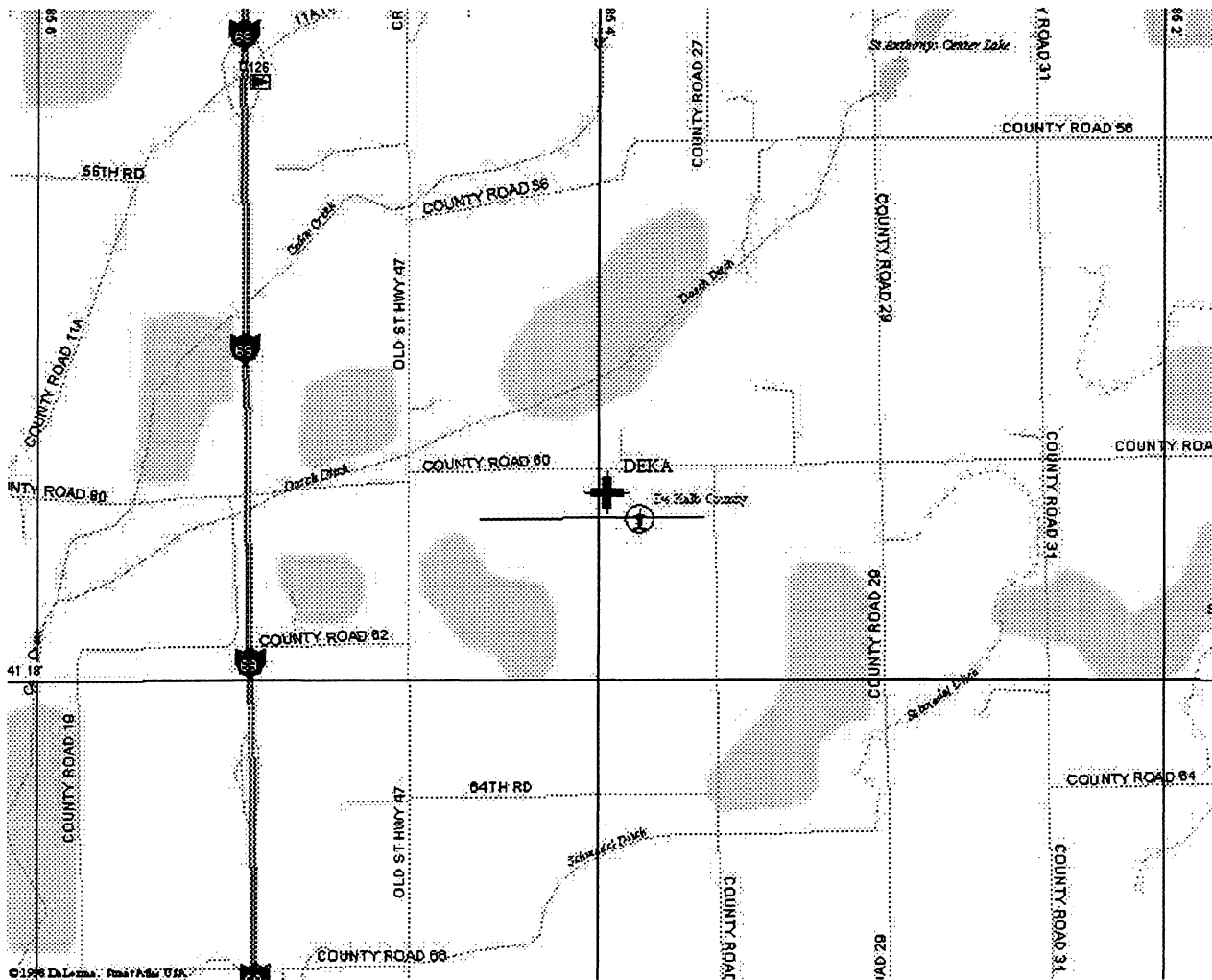
Designator DEKALB

4-Character ID DEKA

County DEKALB

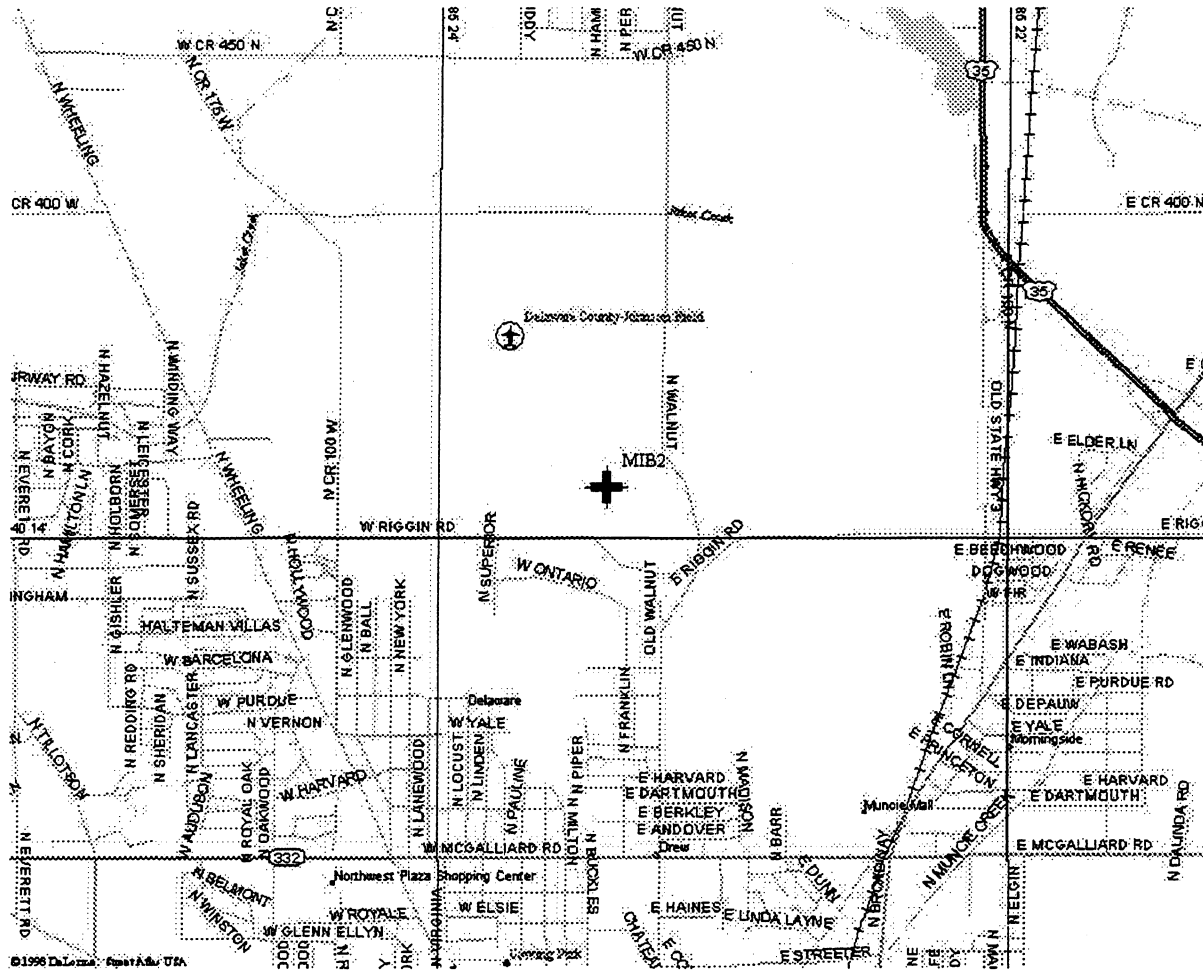
Description and Location Map

DESCRIBED BY WOOLPERT LLP 1998 (BBS). THE STATION IS LOCATED 5 MI (8.0 KM) SOUTH OF AUBURN AT THE DEKALB COUNTY AIRPORT. TO REACH THE STATION FROM THE INTERSECTION OF INTERSTATE 69 AND COUNTY ROAD 11A (EXIT 126 OF INTERSTATE 69), PROCEED 0.7 MI (1.1 KM) EAST ALONG COUNTY ROAD 11A TO THE INTERSECTION OF COUNTY ROAD 11A AND COUNTY ROAD 427. TURN RIGHT AND PROCEED 1.6 MI (2.6 KM) SOUTH ON COUNTY ROAD 427 TO THE INTERSECTION OF COUNTY ROAD 427 AND COUNTY ROAD 60. TURN LEFT AND PROCEED 0.8 MI (1.3 KM) EAST ON COUNTY ROAD 60 TO THE DEKALB COUNTY AIRPORT ON THE RIGHT AND CONTINUE TO THE AIRFIELD ENTRANCE GATE. PROCEED SOUTH THROUGH THE GATE ACROSS THE APRON TO THE TAXIWAY. TURN RIGHT AND PROCEED APPROXIMATELY 250 FT (76.2 M) WEST ALONG THE TAXIWAY TO THE STATION ON THE RIGHT. THE STATION IS A PUNCHMARK SET IN THE TOP CENTER OF A STAINLESS STEEL ROD DRIVEN TO REFUSAL AND IS ENCASED IN A 90 CM GREASED FILLED SLEEVE THE STATION IS 25.4 M (83.3 FT) ON AN AZIMUTH OF 124 DEGREES FROM A PLASTIC DRAINAGE TILE, 28.4 M (93.2 FT) ON AN AZIMUTH OF 252 DEGREES FROM A GALVANIZED DRAINAGE PIPE, 38.4 M (126.0 FT) ON AN AZIMUTH OF 275 DEGREES FROM THE CENTERLINE OF A CONCRETE DRIVE TO A BLUE AND GREY PAINTED AIRPLANE HANGAR, AND 15.6 M (51.2 FT) ON AN AZIMUTH OF 5 DEGREES TO THE CENTERLINE OF THE TAXIWAY.



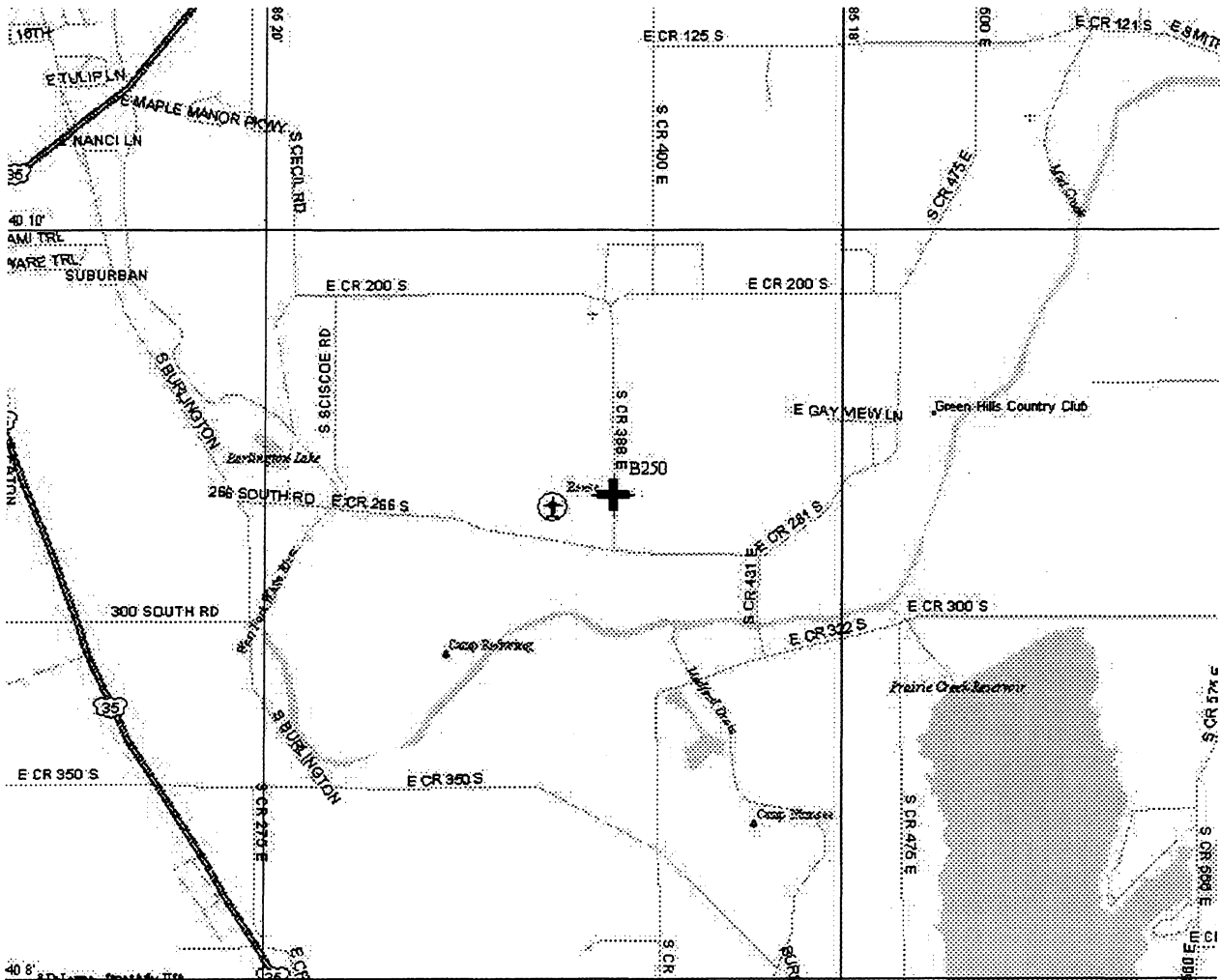
Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED NEAR THE NORTH-NORTHWEST EDGE OF MUNCIE, AT THE DELAWARE COUNTY-JOHNSON FIELD AIRPORT, IN THE GRASS NEAR THE SOUTHEAST SECTION OF THE AIRPORT, SOUTHWEST OF RUNWAY END 32, JUST SOUTHEAST OF THE EXTENDED RUNWAY END LINE. OWNERSHIP--MUNCIE AVIATION COMPANY, DIVISION OF MINNETRISTA CORPORATION, PO BOX 1169, MUNCIE IN 47308-1169, PHONE 317-289-7141. NOTE--AIRPORT MANAGER IS JACK TOBIAS, HEAD OF MAINTENANCE, DELAWARE AIRPORT AUTHORITY, PHONE 765-747-5690. NOTE--CONTACT HEAD OF MAINTENANCE 24-HOURS IN ADVANCE (ESCORT REQUIRED). JACK TOBIAS IS LOCATED AT THE SAFETY FACILITY BUILDING. TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 35, STATE HIGHWAYS 3 AND 67 NORTH AND BROADWAY AVENUE, NEAR THE NORTHEAST EDGE OF MUNCIE, GO SOUTHWEST FOR 0.8 KM (0.50 MI) ON BROADWAY AVENUE TO THE JUNCTION OF RIGGIN RD. TURN RIGHT, WEST FOR 1.93 KM (1.20 MI) ON RIGGIN ROAD TO THE JUNCTION OF WALNUT STREET. TURN RIGHT, NORTH FOR 1.05 KM (0.65 MI) ON WALNUT STREET TO A PAVED ROAD LEFT LEADING TO THE AIRPORT CONTROL TOWER. TURN LEFT AND GO WEST ON TERMINAL DRIVE FOR 0.15 MI (0.24 KM) TO THE SAFETY FACILITY BUILDING ON THE LEFT. STATION IS 38.2 M (125.3 FT) SOUTHWEST OF THE RUNWAY CENTERLINE, 12.5 M (41.0 FT) WEST-SOUTHWEST OF THE WEST 1 OF 4 RUNWAY END LIGHTS, 7.7 M (25.3 FT) SOUTHWEST OF THE SOUTHWEST EDGE OF BLAST PAD, 0.7 M (2.3 FT) SOUTHEAST OF THE EXTENDED RUNWAY END LINE, ABOUT 0.4 M (1.3 FT) BELOW THE RUNWAY LEVEL AND RECESSED ABOUT 10 CM BELOW GROUND. NOTE--THIS STATION IS DESIGNATED AS THE PRIMARY AIRPORT CONTROL STATION.



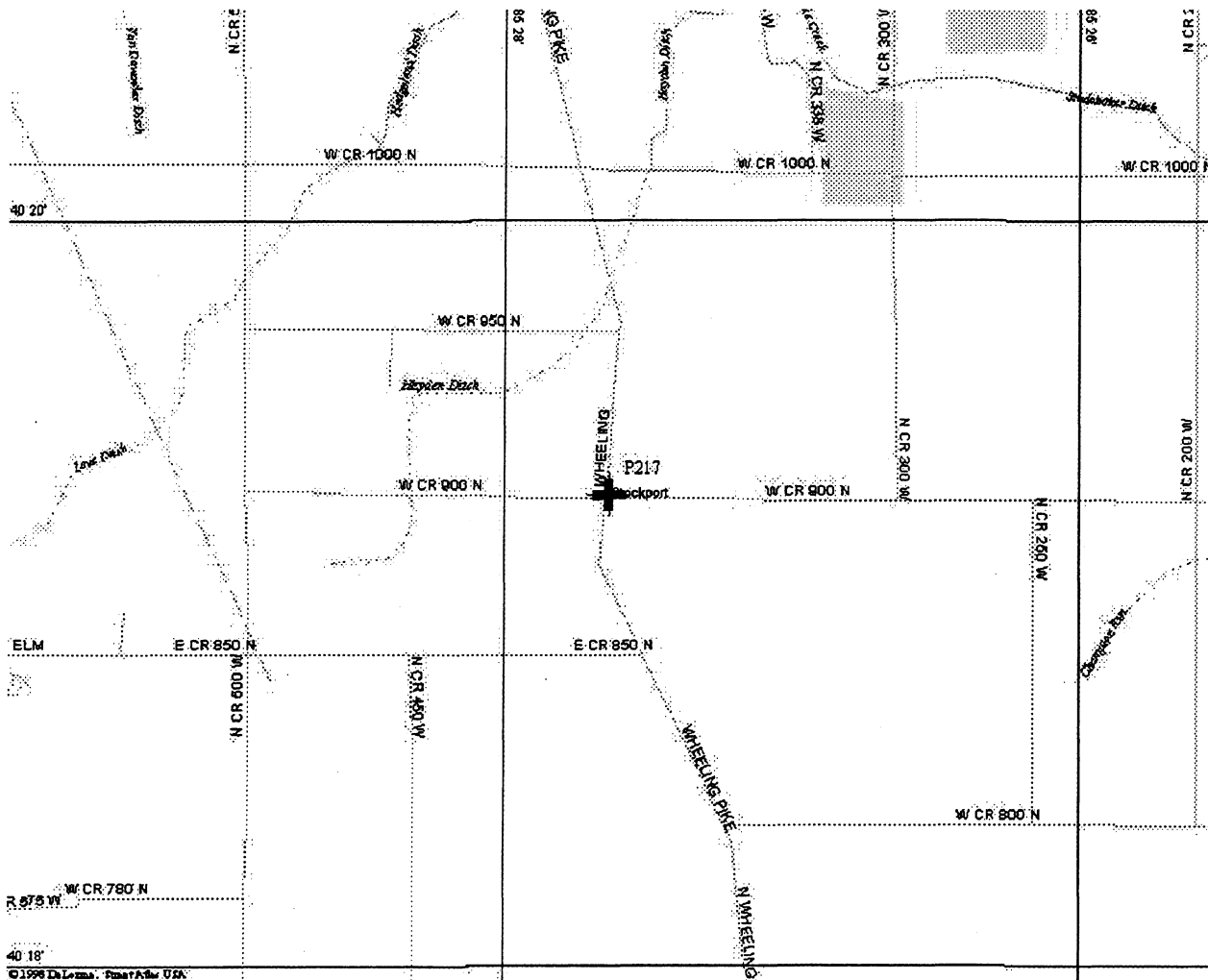
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) MONUMENT IS 3.0 MILES (4.8 KM) SOUTHWEST OF SELMA, ALONG THE WEST RIGHT-OF-WAY OF COUNTY ROAD 388 EAST. FROM THE INTERSECTION OF U.S. HIGHWAY 35 WITH STATE HIGHWAY 32, ABOUT 1.3 MILES (2.1 KM) EAST ALONG STATE HIGHWAY 32, THENCE ABOUT 2.05 MILES (3.30 KM) SOUTH ALONG COUNTY ROAD 400 EAST, THENCE ABOUT 0.12 MILES (0.19 KM) WEST ALONG COUNTY ROAD 200 SOUTH, THENCE ABOUT 0.6 MILES (1.0 KM) SOUTH ALONG COUNTY ROAD 388 EAST, AT THE ENTRANCE TO THE REESE AIRPORT, ADDRESS - 4301 SOUTH COUNTY ROAD 388 EAST, MUNCIE IN 47302, PHONE 765-284-9611. STATION IS SET IN A SQUARE CONCRETE MONUMENT PROJECTING 0.15 METERS (0.49 FT) ABOVE GROUND. STATION IS 44.3 METERS (145.3 FT) NORTHWEST FROM NORTH FACE OF POWER POLE NO. DE78 197, 30.3 METERS (99.4 FT) NORTHEAST FROM THE NORTHEAST CORNER OF METAL OFFICE/HANGAR BUILDING, 5.8 METERS (19.0 FT) NORTH OF THE EDGE OF GRAVEL ENTRY AND 5.5 METERS (18.0 FT) WEST OF THE CENTERLINE OF THE ROAD.



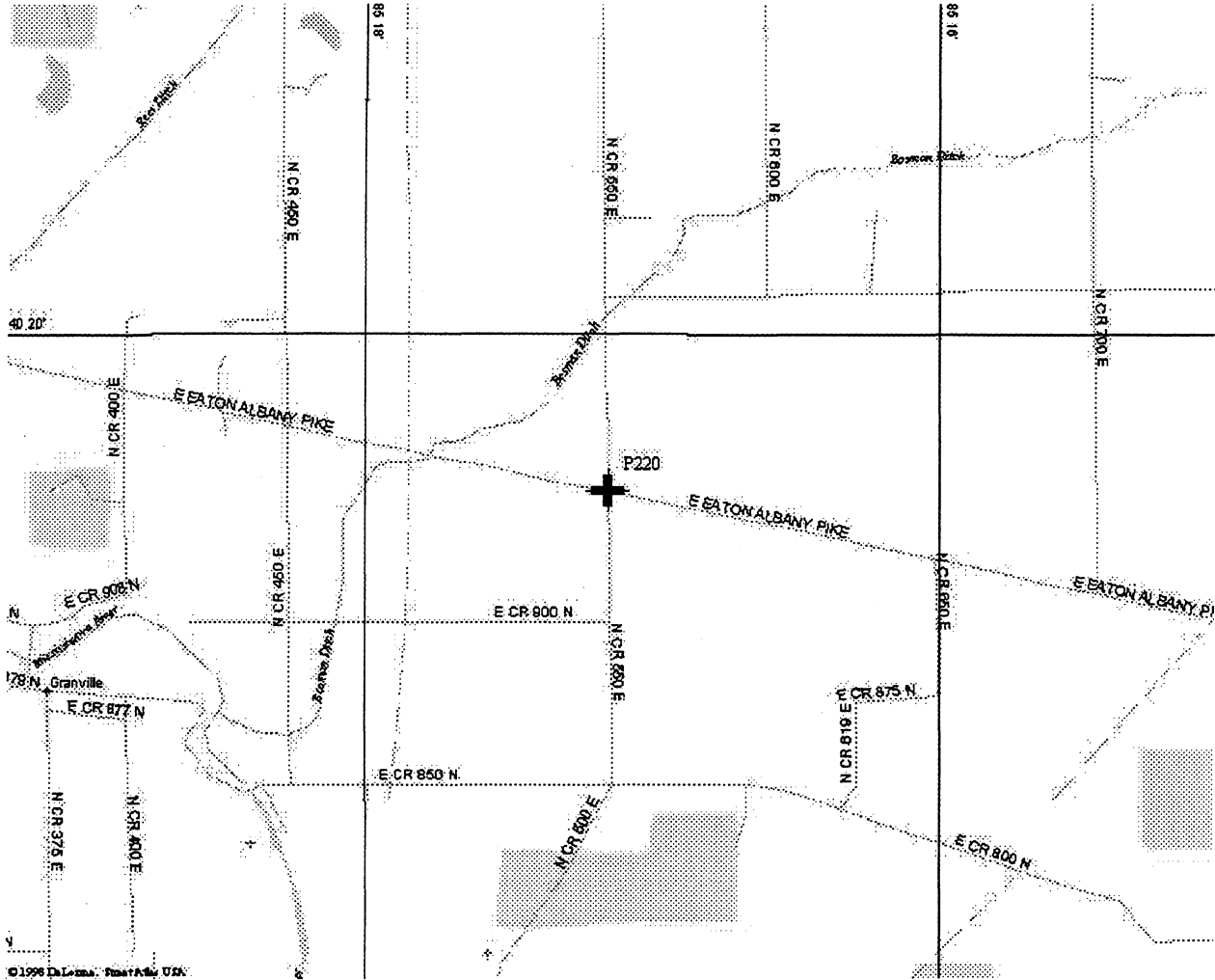
Description and Location Map

RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (BBS) DESCRIBED BY WOOLPERT LLP 1998 (BBS). THE STATION IS 2 MI (3.2 KM) EAST OF GASTON, 8 MI (12.9 KM) SOUTHWEST OF HARTFORD CITY, AND 8 MI (12.9 KM) NORTHWEST OF MUNCIE. TO REACH THE STATION FROM THE INTERSECTION OF STATE ROUTE 35, STATE ROUTE 3, AND STATE ROUTE 28, WHICH IS 6 MI (9.7 KM) NORTH OF MUNCIE, PROCEED 3 MI (4.8 KM) NORTH ON STATE ROUTE 3 TO THE INTERSECTION OF STATE ROUTE 3 AND COUNTY ROAD 900N. TURN LEFT AND PROCEED 4.8 MI (7.7 KM) WEST ON COUNTY ROAD 900N TO THE INTERSECTION OF COUNTY ROAD 900N AND NORTH WHEELING AVENUE, THE STATION IS IN THE NORTHEAST QUADRANT OF THE INTERSECTION. THE STATION IS A STANDARD BENCHMARK DISK SET IN A CONCRETE MONUMENT AND IS STAMPED--P 217 1947--. THE STATION IS 10.2 M (33.5 FT) EAST OF THE CENTERLINE OF NORTH WHEELING AVENUE, 6.7 M (22.0 FT) NORTH OF THE CENTERLINE OF COUNTY ROAD 900N, 0.6 M (2.0 FT) NORTH OF A PIPELINE MARKER, AND 0.3 M (1.0 FT) NORTH OF A WITNESS POST.



Description and Location Map

RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (BBS) RECOVERED AS DESCRIBED. WOOLPERT LLP 1998 (BBS). ALTERNATE ROUTE--FROM THE INTERSECTION OF STATE ROUTE 35, STATE ROUTE 3 AND STATE ROUTE 28 (8 MI NORTH OF MUNCIE) , PROCEED 2.7 MI (4.3 KM) EAST ON STATE ROUTE 28 TO STATE ROUTE 67. THEN TURN LEFT AND PROCEED 1.5 MI (2.4 KM) EAST ALONG COMBINED STATE ROUTES 67 AND 28 TO A CROSSROADS. TURN LEFT ONTO COUNTY ROAD 550 E / BLACK CEMETERY ROAD AND PROCEED 2.2 MI (3.5 KM) NORTHERLY ALONG BLACK CEMETERY ROAD TO THE INTERSECTION OF COUNTY ROAD 550 E AND COUNTY ROAD 940 N / EATON-ALBANY PIKE. THE STATION IS IN THE NORTHWEST QUADRANT OF THE INTERSECTION.



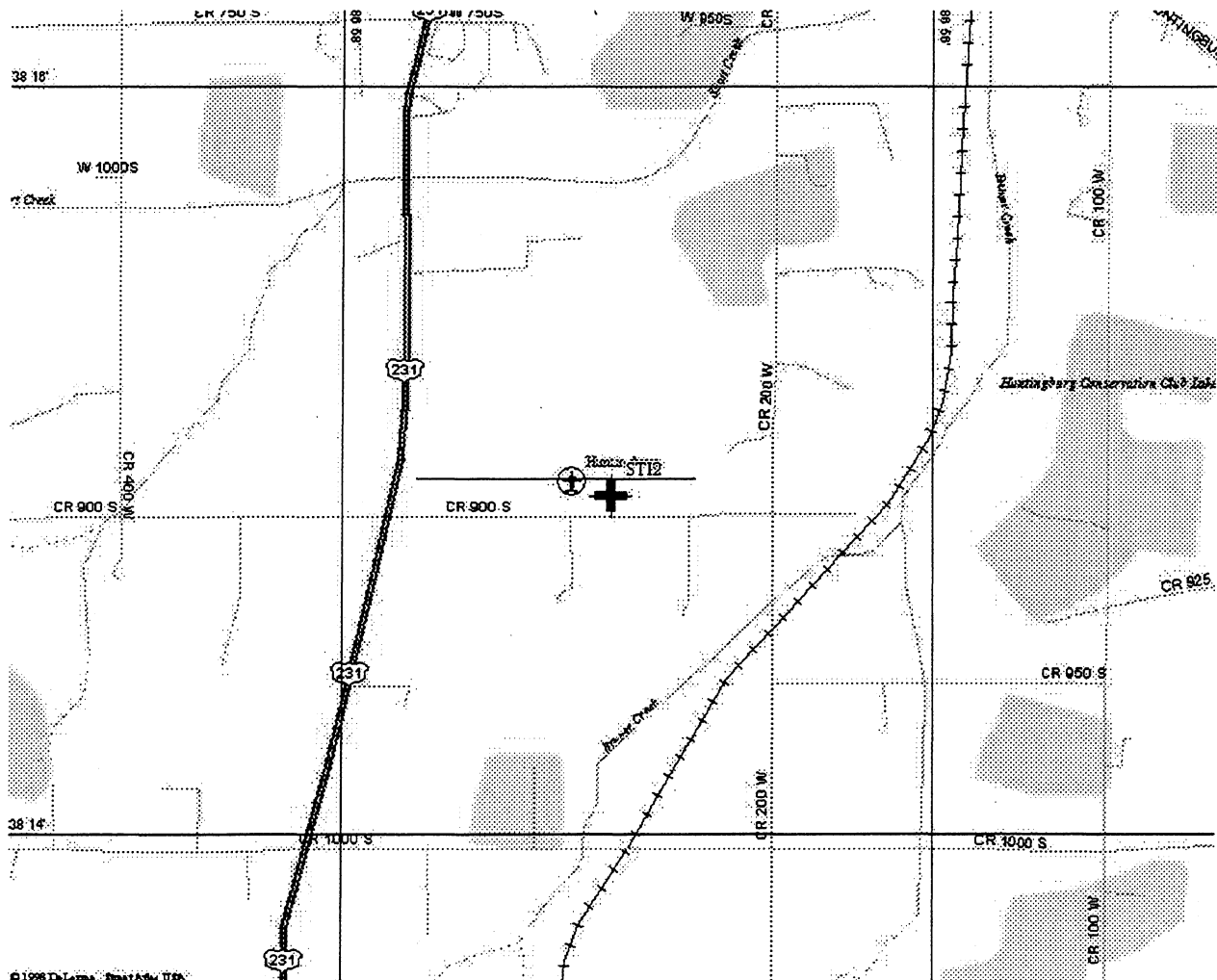
Designator STINSON 2

4-Character ID STI2

County DUBOIS

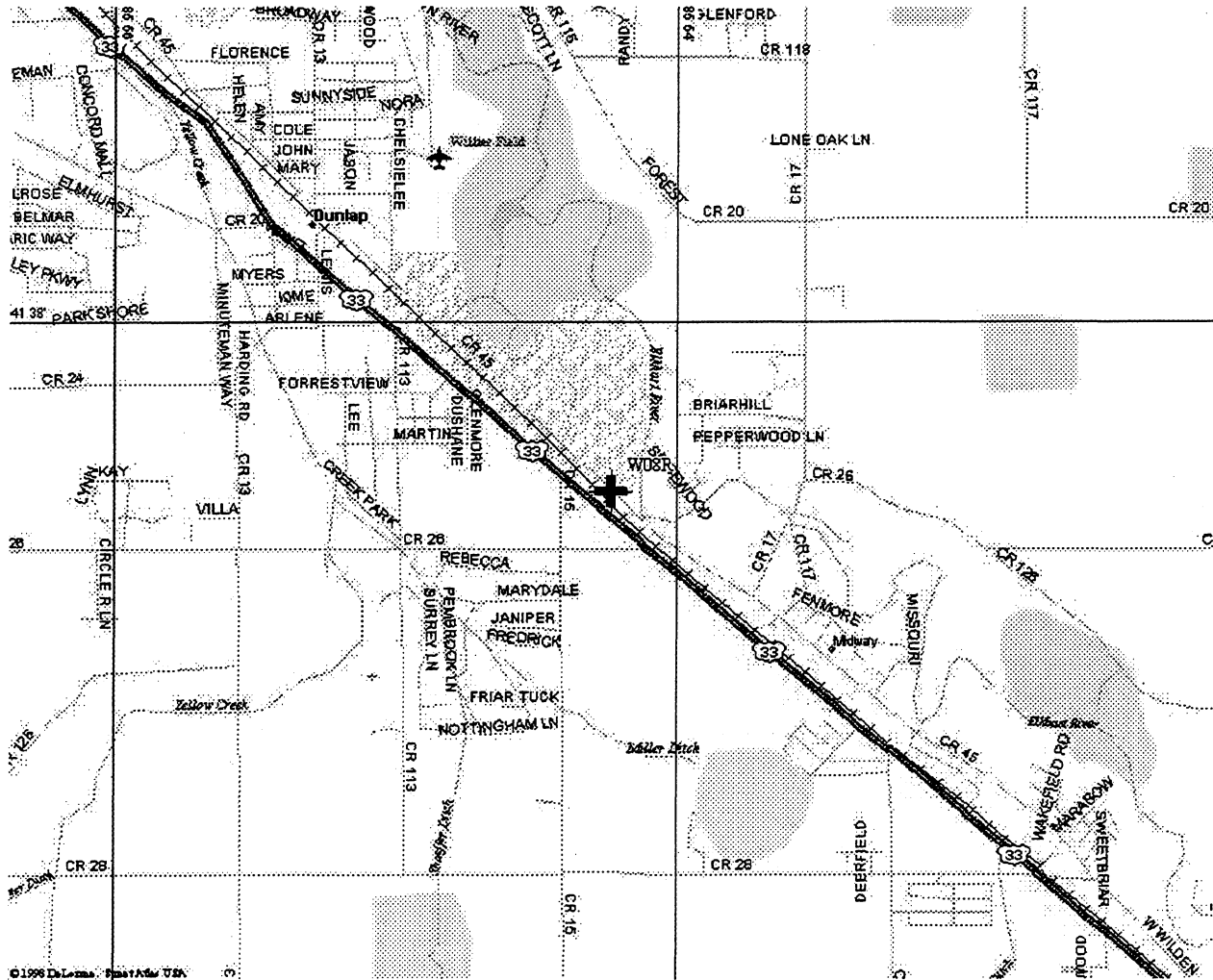
Description and Location Map

DESCRIBED BY NATIONAL GEODETIC SURVEY 1988 THE STATION IS LOCATED ABOUT 9.7 KM (6.05 MI) NORTH OF INTERSTATE HIGHWAY 64, 8.4 KM (5.20 MI) SOUTH OF HUNTINGBURG AND AT THE HUNTINGBURG AIRPORT. OWNERSHIP--DUBOIS COUNTY, PO BOX 293, HUNTINGBURG, IN 47542, PHONE 812-683-5454. AIRPORT MANAGER IS RAMIE ECKERLY. TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 231 AND STATE HIGHWAY 64 IN HUNTINGBURG, GO SOUTH ON U.S. HIGHWAY 231, MAIN STREET, FOR 6.4 KM (4.00 MI) TO A PAVED ROAD LEFT. TURN LEFT AND GO EAST FOR 1.3 KM (0.80 MI) TO AIRPORT ON THE LEFT. FROM AIRPORT OFFICE GO NORTH ACROSS APRON FOR 0.1 KM (0.05 MI) TO THE MARK ON THE LEFT. THE STATION IS A STANDARD NGS STATION MARK DISK STAMPED---STINSON 2 1986---, SET IN THE TOP OF A 20 CM IN DIAMETER CONCRETE POST THAT IS FLUSH WITH THE GROUND. LOCATED 22.4 M (73.5 FT) SOUTH-SOUTHEAST FROM A BLACK AND YELLOW INFORMATION SIGN, 11.2 M (36.7 FT) WEST FROM AN ORANGE AND YELLOW TAXIWAY MARKER AND 11.0 M (36.1 FT) NORTH FROM TAXIWAY CENTER. GPS SURVEY, FAA AIRPORTS, INDIANA. DESCRIBED BY D.A. BOWLING.



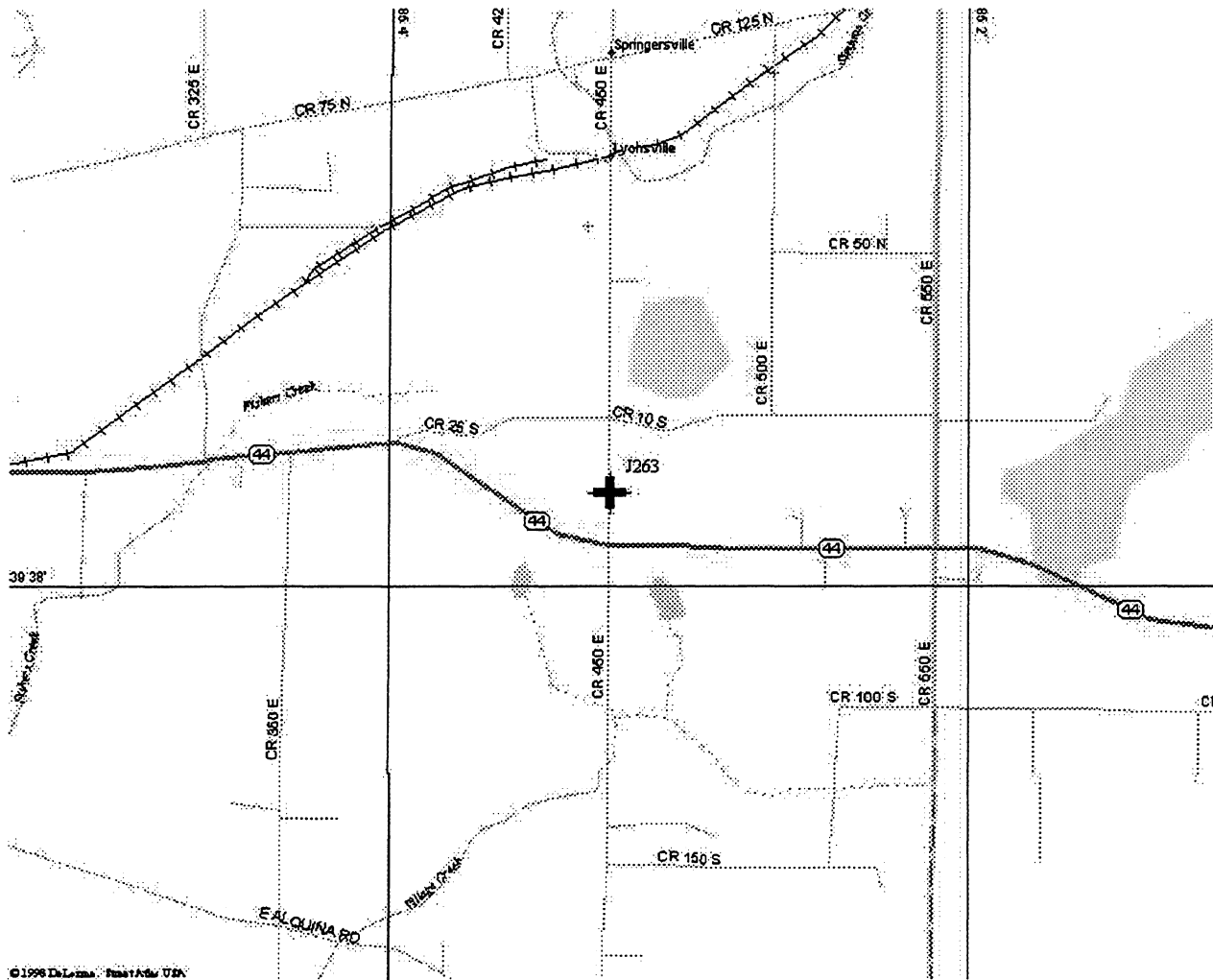
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) 3 MILES (4.8 KM) NORTHWEST OF GOSHEN ALONG STATE HIGHWAY 33. FROM INTERSECTION OF STATE HIGHWAYS 15 AND 33, GO NORTHWEST ON HIGHWAY 33 4.63 MILES (7.45 KM) TO T INTERSECTION TO EAST, THEN EAST ON T ROAD 0.04 MILE (0.06 KM) TO COUNTY ROAD 45, THEN SOUTHEAST ALONG HIGHWAY 45 1.20 MILES (1.93 KM) TO THE STATION, ON THE EAST SIDE OF ROAD AT ENTRANCE TO ELKHART COUNTY PARKS RANGER AND NATURALISTS OFFICES. CONTACT IS ELKHART CO ROAD SUPERVISOR JIM RENSBERGER, PHONE 219-533-0538. LOCATED 8.84 METERS (29.00 FT) NORTHEAST OF CENTERLINE OF COUNTY ROAD 45. 6.25 METERS (20.51 FT) NORTHWEST OF CENTERLINE OF ENTRANCE DRIVE TO PARK RANGER STATION, 15.77 METERS (51.74 FT) WEST OF PK NAIL IN SOUTH SIDE OF SOUTH GATE POST TO RANGER STATION, 18.25 METERS (59.88 FT) NORTHEAST OF PK NAIL IN WEST SIDE PWP 685/490 ON WEST SIDE OF COUNTY ROAD 45, 13.91 METERS (45.64 FT) SOUTHWEST OF PK NAIL IN SOUTH SIDE OF NORTH GATE POST TO RANGER STATION, WITNESS POST 0.30 METERS (0.98 FT) EAST. MD1356 RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (GTF) WOOLPERT LLP 1998 (GTF). RECOVERED AS DESCRIBED, EXCEPT THAT THE T ROAD IS COUNTY ROAD 15 AND THE DISTANCE OF 1.2 MI (1.9 KM) ALONG HIGHWAY 45 IS INCORRECT. THE STATION IS 0.2 MI (0.3 KM) ALONG HIGHWAY 45.



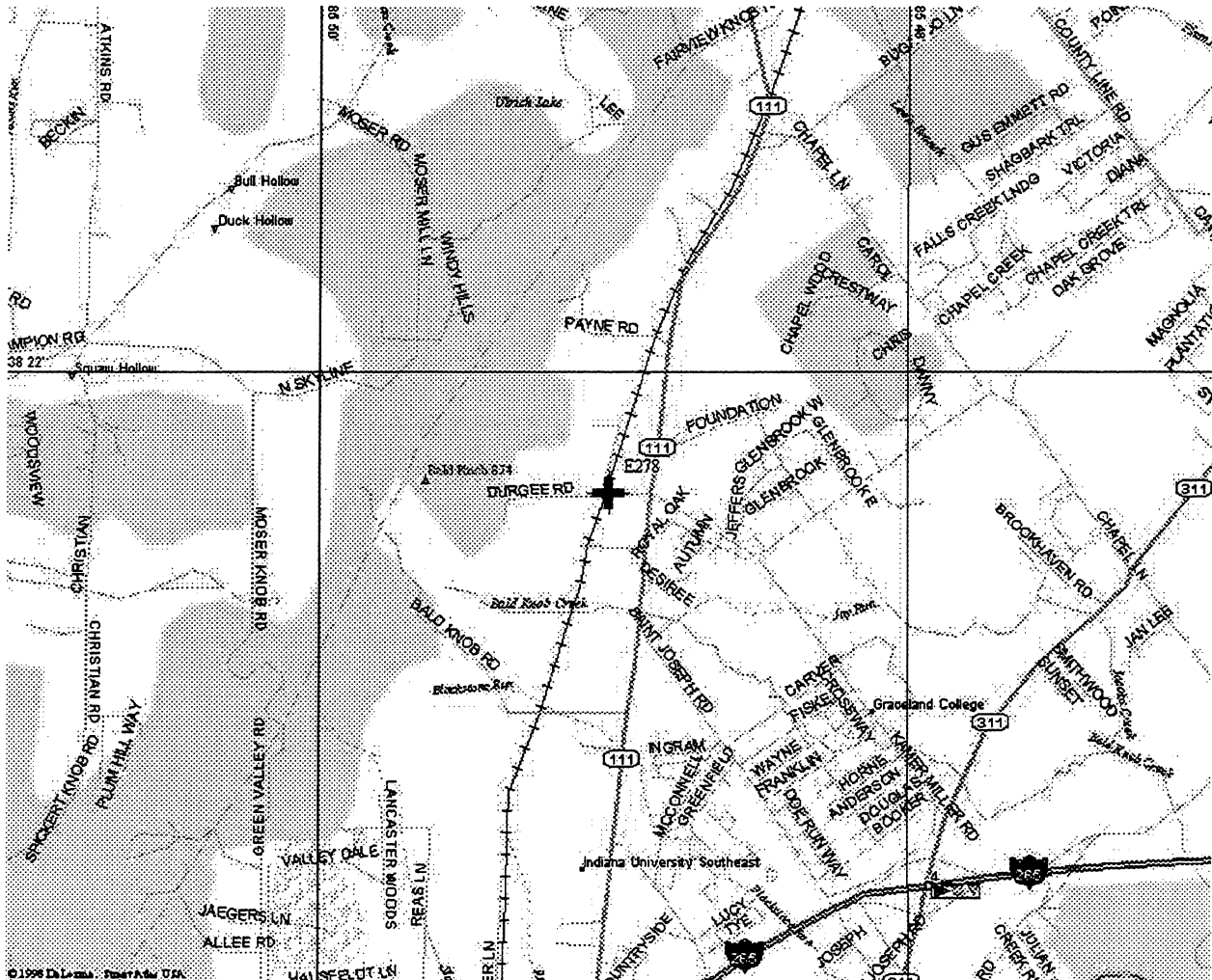
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS 4 MILES (6.4 KM) EAST OF CONNERSVILLE. TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAY 1 (EASTON AVENUE) AND STATE HIGHWAY 44 (EAST 5TH STREET) IN CONNERSVILLE, GO EAST ON STATE HIGHWAY 44 FOR 4.7 MILES (7.6 KM) TO A CROSS ROAD (COUNTY ROAD 450 EAST), TURN LEFT AND GO NORTH ALONG COUNTY ROAD 450 EAST FOR 0.15 MILES (0.24 KM) TO THE STATION ON LEFT. STATION IS IN THE RIGHT-OF-WAY OF COUNTY ROAD 450 EAST, COUNTY ROAD SUPERINTENDENT HOWARD PRICE, 1931 SOUTH STATE ROAD 121, CONNERSVILLE IN 47331, PHONE 765-825-5581. THE STATION IS SET IN A SQUARE CONCRETE MONUMENT PROJECTING 10 CM ABOVE GRADE AND ABOUT LEVEL WITH THE CENTER OF THE ROAD. IT IS 29.44 METERS (96.59 FT) NORTHWEST OF THE EAST END OF CULVERT UNDER COUNTY ROAD 450 EAST, 8.6 METERS (28.2 FT) SOUTH OF POWER POLE NUMBER 565-567, 6.25 METERS (20.51 FT) WEST OF CENTERLINE OF COUNTY ROAD 450 EAST AND 3.05 METERS (10.01 FT) SOUTHEAST OF THE SOUTHEAST CORNER OF A FRAME SHED. JZ1782 RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (TEM) RECOVERED AS DESCRIBED. WOOLPERT LLP 1998 (TEM). NOTE--THE DISK IS BROKEN IN HALF, HOWEVER THE BENCHMARK STAMPING IS STILL INTACT.



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED 2 MILES (3.2 KM) NORTH OF NEW ALBANY AND 1.7 MILES (2.7 KM) NORTH OF INTERSTATE 265. TO REACH THE STATION FROM THE STATE HIGHWAY 111 INTERCHANGE ON INTERSTATE 265, GO NORTH ON STATE HIGHWAY 111 FOR 1.7 MILES (2.7 KM) TO A CROSS ROAD (DURGEE ROAD), TURN LEFT AND GO WEST ON DURGEE ROAD FOR 0.1 MILES (0.2 KM) TO JUST ACROSS THE RAILROAD TRACKS TO STATION ON RIGHT, IN GRAVEL DRIVE OF DRIVEWAY TO NORTH, IN THE RIGHT-OF-WAY OF DURGEE ROAD. CONTACT IS ROAD SUPERINTENDENT HERMAN BANET 311-319 WEST 1ST STREET, ROOM 214, NEW ALBANY IN 47150, PHONE 812-923-3041. THE STATION IS SET IN A ROUND CONCRETE MONUMENT, ABOUT LEVEL WITH RAILROAD TRACKS AND FLUSH WITH GRAVEL ROAD. IT IS 13.29 METERS (43.60 FT) WEST OF THE WEST RAIL OF RAILROAD, 7.16 METERS (23.49 FT) NORTHEAST OF UTILITY POLE, 5.03 METERS (16.50 FT) NORTH OF THE CENTERLINE OF DURGEE ROAD AND 4.04 METERS (13.25 FT) SOUTHEAST OF METAL WITNESS SIGN.



Designator EDWARD 2

4-Character ID EDWA

County FLOYD

Description and Location Map

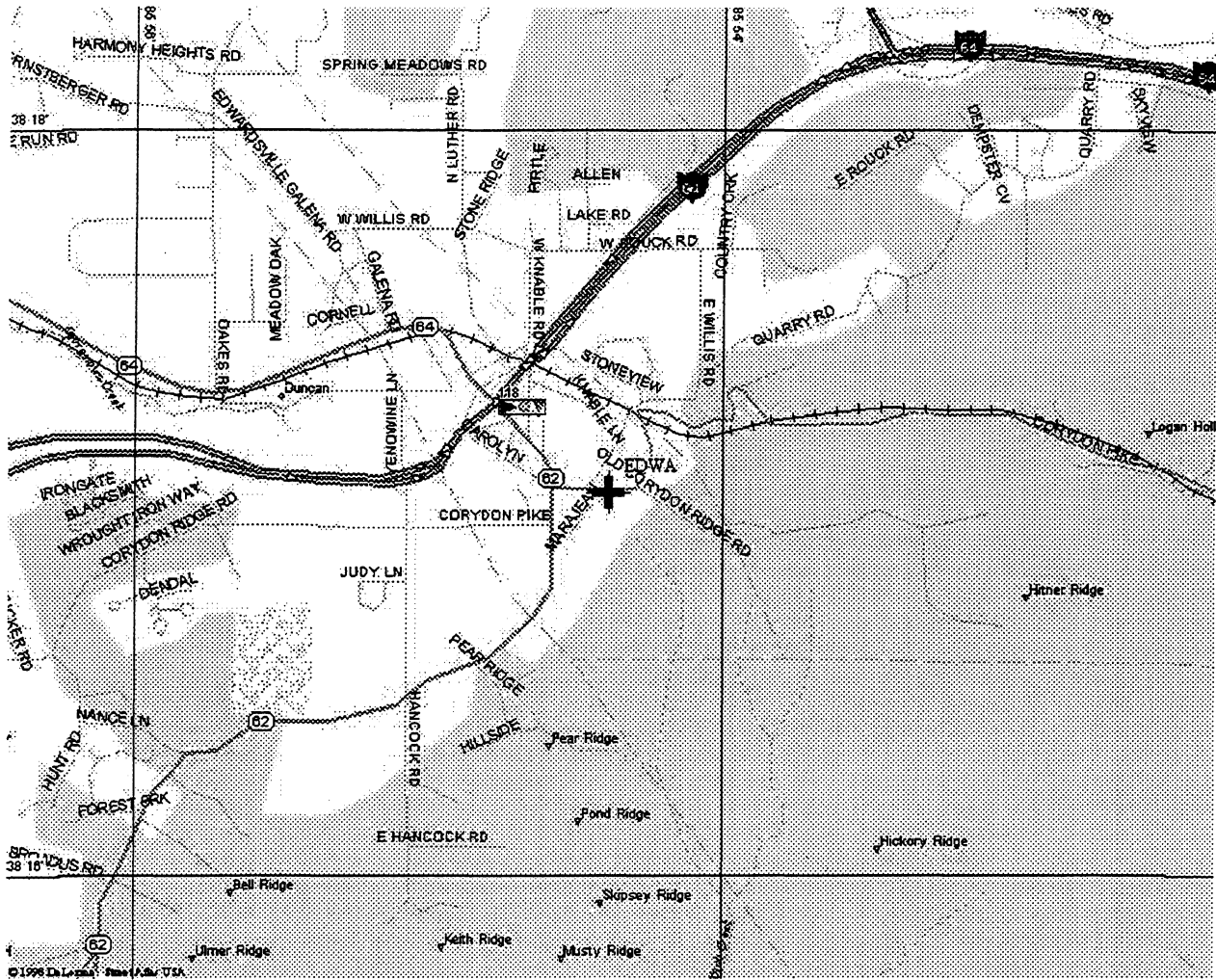
RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED IN EDWARDSVILLE, ON CORYDON PIKE ROAD ABOUT 5 MILES (8.0 KM) WEST OF NEW ALBANY. FOR ACCESS CONTACT JASON AT 812-945-1686, PRIVATE RESIDENCE, FORMERLY HITNERS GROCERY STORE. TO REACH THE STATION FROM THE JUNCTION OF I-64, STATE ROAD 62 AND 64, GO SOUTH ON STATE ROAD 62 FOR 0.3 MILES (0.5 KM) TO THE SECOND ROAD OR TURN ON THE LEFT (EAST SIDE OF THE ROAD). TURN LEFT AND GO EASTERLY ON CORYDON PIKE FOR APPROXIMATELY 0.1 MILES (0.2 KM) TO THE STATION, ON THE SOUTH SIDE OF CORYDON PIKE. YOU WILL PASS QUARRY ROAD ON THE LEFT (NORTH SIDE OF THE ROAD) FIRST, THEN THE STATION IS LOCATED IN A YARD ON THE RIGHT (SOUTH SIDE). LOCATED AT EDWARDSVILLE, 63 FEET (19.2 M) SOUTH OF THE CENTERLINE OF CORYDON PIKE, 73 FEET (22.3 M) NORTH OF THE CENTERLINE OF A ROAD, 23 FEET (7.0 M) EAST OF THE SOUTHEAST CORNER OF A LARGE CONCRETE WELL COVER RECESSED 10 CM BELOW GROUND. VERIFIED NGS REMARKS FROM 1973 REGARDING REFERENCE MARKS 1 AND 4. REFERENCE MARK 1 IS 44 FEET (13.4 M) NORTHEAST OF THE CENTERLINE OF PAVED ROAD (OLD HIGHWAY 64) AND 2 FEET (0.6 M) WEST OF A TELEPHONE POLE. THE MONUMENT IS FLUSH WITH GROUND AND THE DISK IS STAMPED EDWARD NO 1 1947. REFERENCE MARK 4 IS A STANDARD DISK STAMPED EDWARD 2 1948 NO 4 1973, SET IN A DRILL HOLE IN THE SOUTHWEST CORNER OF A 6 FT (1.8 M) X 6 FT (1.8 M) SQUARE CONCRETE WELL COVER WHICH PROJECTS ABOUT 1 FOOT (0.3 M) ABOVE GROUND, 53 FEET (16.2 M) EAST OF THE SOUTHEAST CORNER OF THE FORMER STORE (NOW RESIDENTIAL PROPERTY) AND 14 FEET (4.3 M) SOUTHEAST OF A UTILITY POLE WITH A LIGHT. THERE IS A WITNESS POST APPROXIMATELY 35 FEET (10.7 M) AWAY, BEARING 290 DEGREES.

(location map on following page)

Designator EDWARD 2

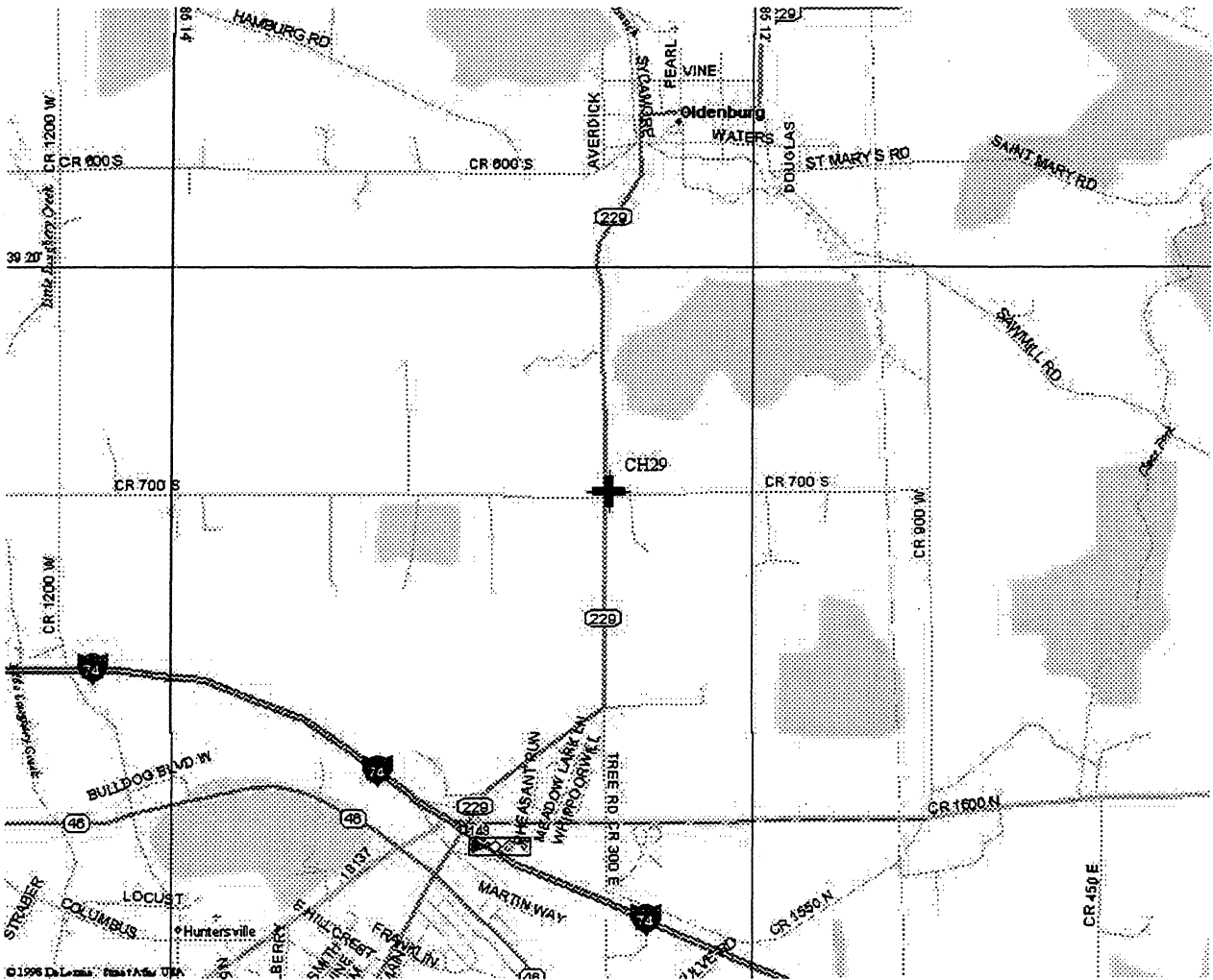
4-Character ID EDWA

County FLOYD



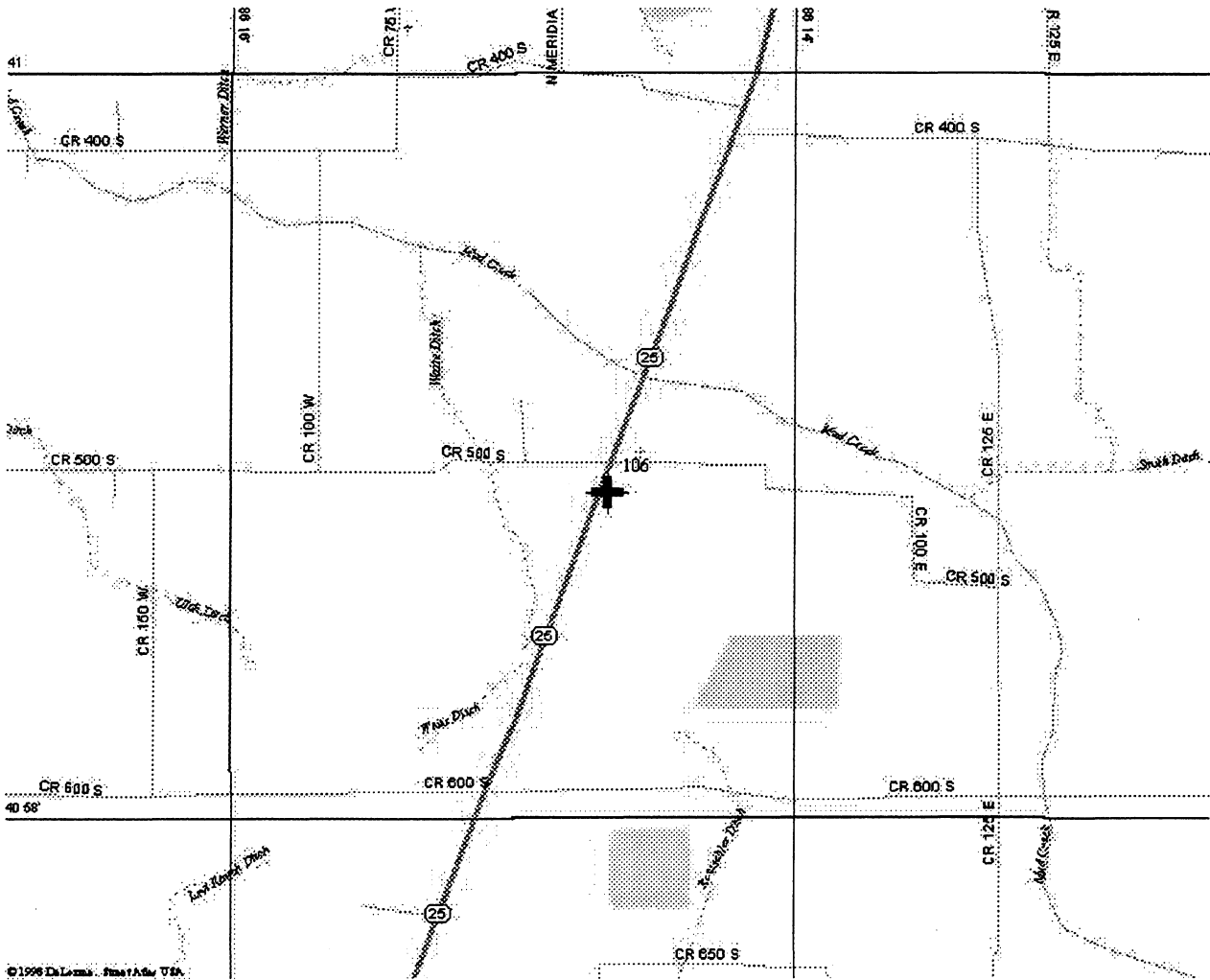
Description and Location Map

RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (ARL) RECOVERY NOTE BY WOOLPERT LLP 1998 (ARL). THE STATION IS LOCATED APPROXIMATELY 2 MI (3.2 KM) NORTH OF BATESVILLE AND 2 MI (3.2 KM) SOUTH OF OLDENBURG. TO REACH THE STATION FROM THE INTERSECTION OF INTERSTATE 74 (EXIT 149) AND STATE ROUTE 229, PROCEED IN A NORTHERLY DIRECTION ALONG STATE ROUTE 229 FOR 1.25 MI (2.01 KM) TO THE INTERSECTION OF STATE ROUTE 229 AND EAST/WEST POCKET ROAD. THE STATION IS IN THE NE QUADRANT OF THE INTERSECTION, IN THE SW CORNER OF PARCEL 2005. THE STATION IS 24.9 FT (7.6 M) NORTH OF THE CENTERLINE OF EAST POCKET ROAD, 21.0 FT (6.4 M) EAST OF THE CENTERLINE OF STATE ROUTE 229, 12.1 FT (3.7 M) SSE OF UTILITY POLE L1W-78A, 0.3 FT (9.1 CM) SW OF A NOAA WITNESS POST AND A YELLOW GAS LINE WARNING MARKER, AND THE MONUMENT IS ABOUT 0.7 FT (21.3 CM) BELOW THE LEVEL OF STATE ROUTE 229, AND PROJECTS APPROXIMATELY 0.2 FT (6.1 CM) ABOVE THE GROUND.



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS LOCATED 4.5 MILES (7.2 KM) EAST OF ROCHESTER AND 2.5 MILES (4.0 KM) NORTH OF FULTON. TO REACH THE STATION FROM THE INTERSECTION OF U.S. HIGHWAY 31 AND STATE HIGHWAY 25, GO SOUTH ON STATE HIGHWAY 25 FOR 4.5 MILES (7.2 KM) TO THE STATION ON LEFT, IN THE RIGHT-OF-WAY OF STATE HIGHWAY 25. OWNERSHIP--INDIANA DEPARTMENT OF TRANSPORTATION, 100 NORTH SENATE AVENUE, ROOM 1101, STATE OFFICE BUILDING, INDIANAPOLIS IN 46204, HENRY ALDRIDGE, 317-232-6764. THE STATION IS SET IN A SQUARE CONCRETE MONUMENT FLUSH WITH GROUND. IT IS 48.95 METERS (160.60 FT) SOUTH OF POWER POLE 827-3253, 31.3 METERS (102.7 FT) NORTHEAST OF A CONCRETE RIGHT-OF-WAY MARKER, 16.76 METERS (54.99 FT) SOUTHWEST OF SOUTHWEST CORNER OF BRICK PORCH, 15.48 METERS (50.79 FT) NORTH OF CONCRETE RIGHT-OF-WAY MARKER AND 14.94 METERS (49.02 FT) EAST OF THE CENTERLINE STATE HIGHWAY 25.



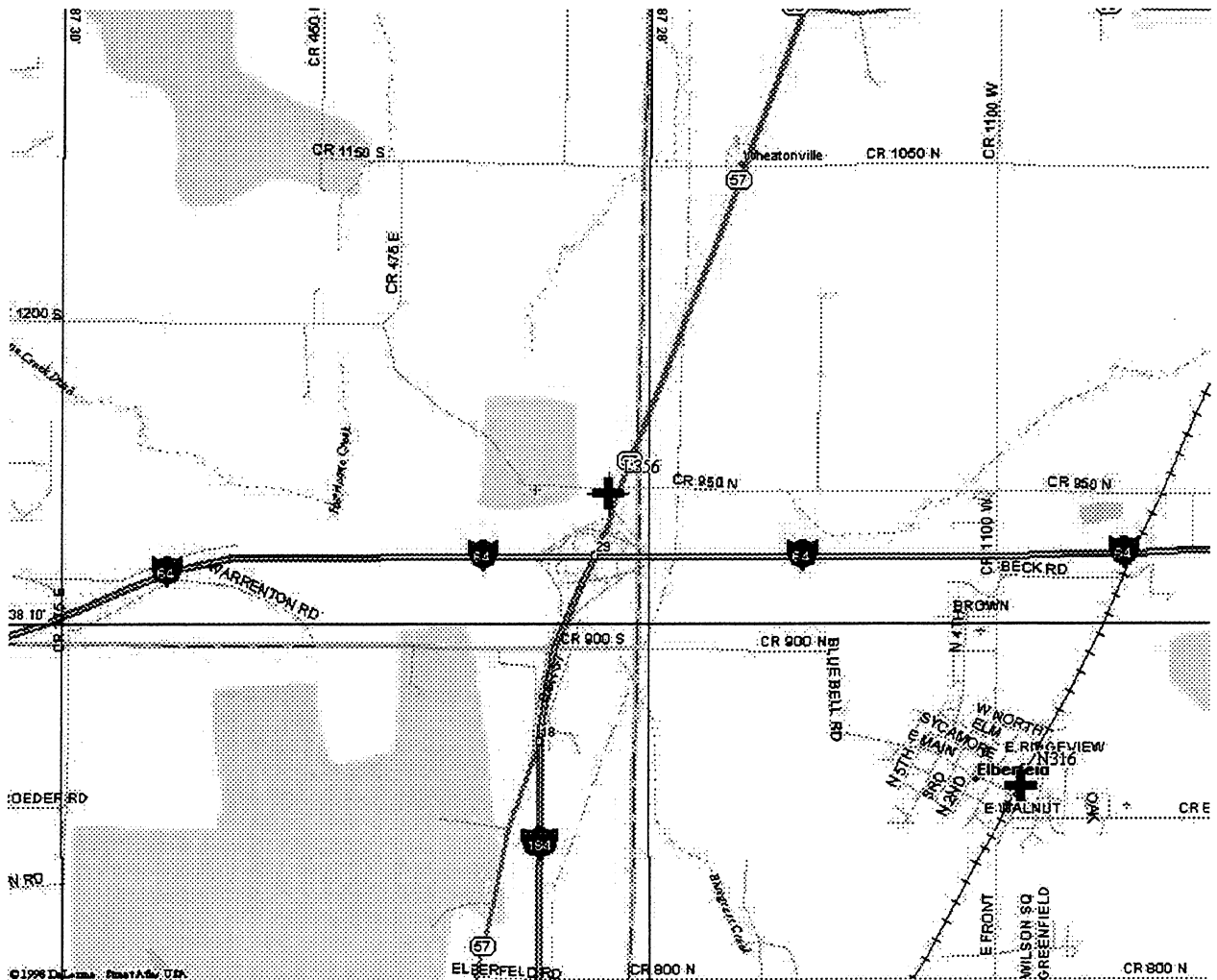
Designator L 356

4-Character ID L356

County GIBSON

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS LOCATED 14 MILES (22.5 KM) SOUTH OF OAKLAND CITY AND 1 MILE (1.6 KM) NORTHWEST OF ELBERFIELD. TO REACH THE STATION FROM THE INTERSECTION OF INTERSTATE HIGHWAYS 64, 167 AND STATE HIGHWAY 57, GO NORTH 0.2 MILES (0.3 KM) ALONG STATE HIGHWAY 57 TO A CROSS ROAD. TURN LEFT ON COUNTY ROAD 250 SOUTH, A GRAVEL ROAD, AND GO ABOUT 120 FEET (36.6 M) TO STATION ON LEFT, IN THE RIGHT-OF-WAY OF STATE HIGHWAY 57. OWNERSHIP--INDIANA DEPARTMENT OF TRANSPORTATION, 100 N. SENATE AVENUE, ROOM 1101, STATE OFFICE BUILDING, INDIANAPOLIS IN 46204, HENRY ALDRIDGE, PHONE 317-232-6764. ACCESS TO ROD IS THROUGH A 5-INCH LOGO CAP THAT IS LEVEL WITH GROUND AND BELOW LEVEL OF GRAVEL ROAD, ROD IS 0.06 METERS (0.20 FT) BELOW LOGO CAP. IT IS 36.58 METERS (120.01 FT) WEST OF THE WEST EDGE OF SOUTHBOUND LANE OF HIGHWAY 57, 9.75 METERS (31.99 FT) SOUTH OF THE CENTERLINE OF COUNTY ROAD 250 SOUTH, 2.59 METERS (8.50 FT) SOUTHEAST OF THE END OF RIGHT-OF-WAY FENCE AND 0.2 METERS (0.7 FT) EAST OF THE RIGHT-OF-WAY FENCE.



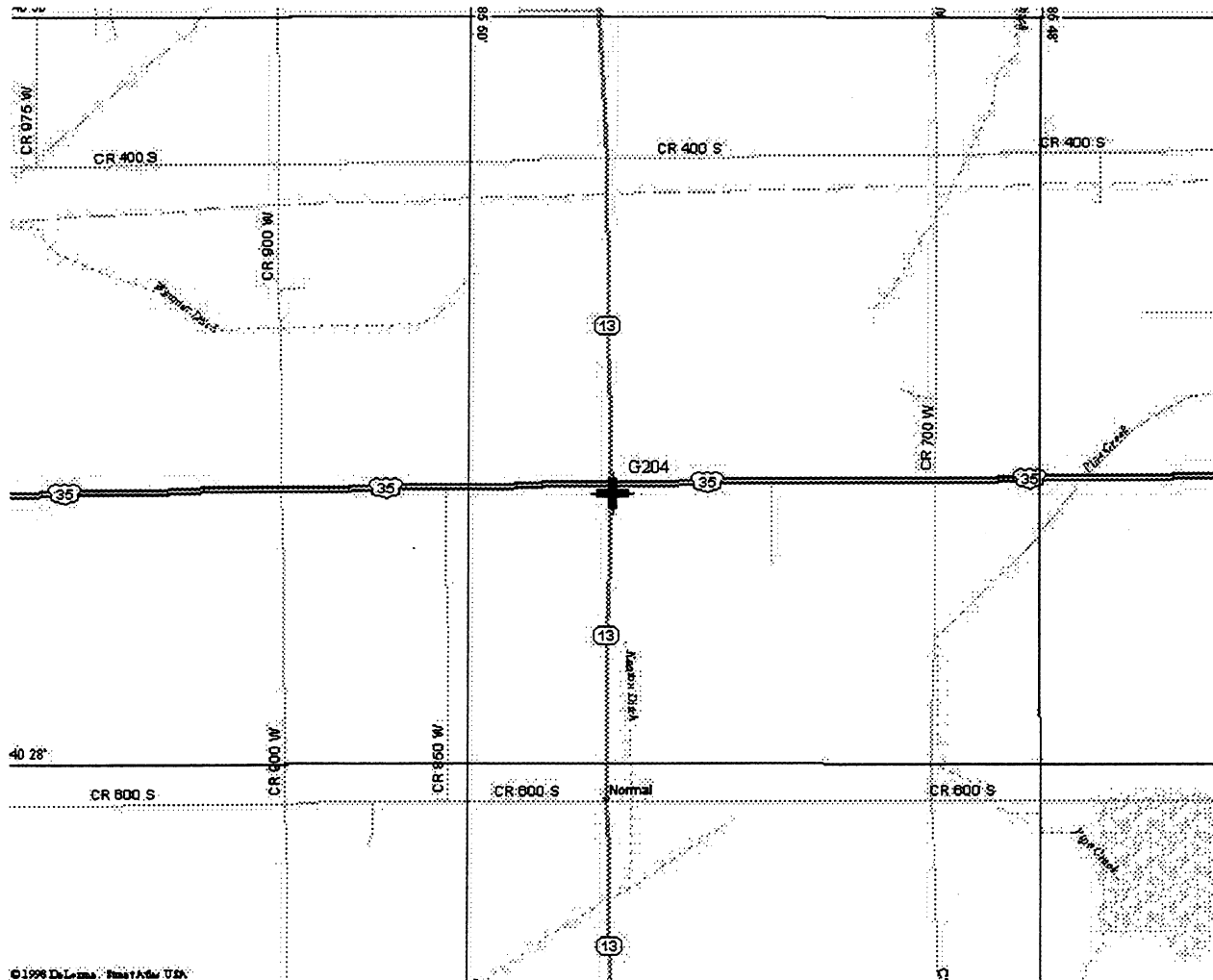
Designator G 204

4-Character ID G204

County GRANT

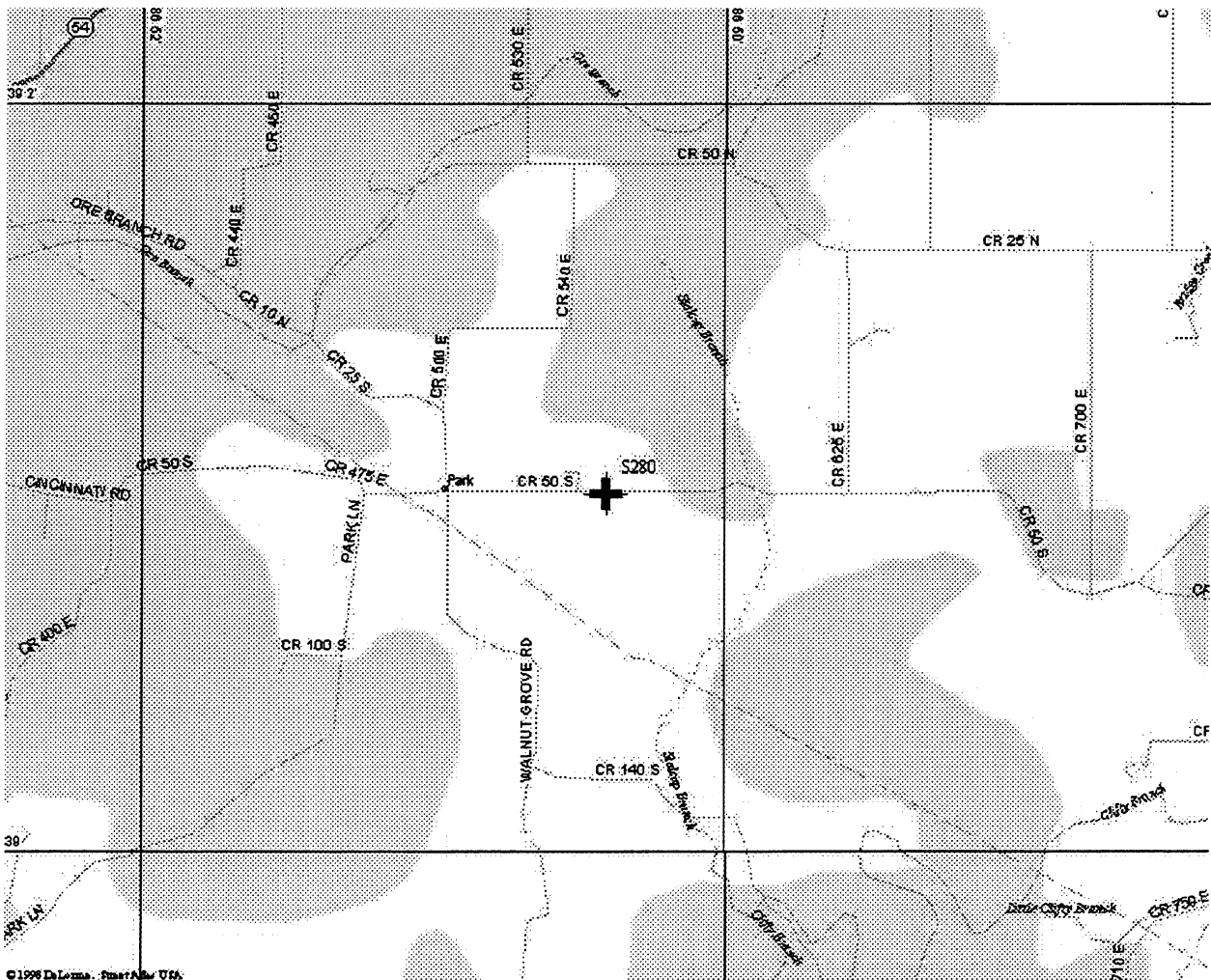
Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED ABOUT 25.7 KM (15.95 MI) EAST OF KOKOMO, 14.5 KM (9.00 MI) SOUTHWEST OF MARION, 3.2 KM (2.00 MI) SOUTH OF SWAYZEE, NEAR AND SOUTH-SOUTHEAST OF THE JUNCTION OF U.S. HIGHWAY 35 AND STATE HIGHWAYS 13 AND 22, ALONG THE EAST SIDE OF HIGHWAY 13. OWNERSHIP--STATE OF INDIANA. STATION IS 43.6 M (143.0 FT) SOUTH OF THE HIGHWAY 35 CENTERLINE, 11.8 M (38.7 FT) EAST OF THE HIGHWAY 13 CENTER, 3.6 M (11.8 FT) SOUTH OF A UTILITY POLE WITH 1 GUY WIRE, 2.05 M (6.73 FT) SOUTH OF A CONCRETE STATE RIGHT-OF-WAY MARKER, 1.65 M (5.41 FT) SOUTH-SOUTHEAST OF A GREEN UNDERGROUND CABLE JUNCTION BOX NUMBER 5000 ABOUT 3-FOOT HIGH, ABOUT 0.3 M (1.0 FT) BELOW THE HIGHWAY 13 LEVEL AND FLUSH WITH GROUND.



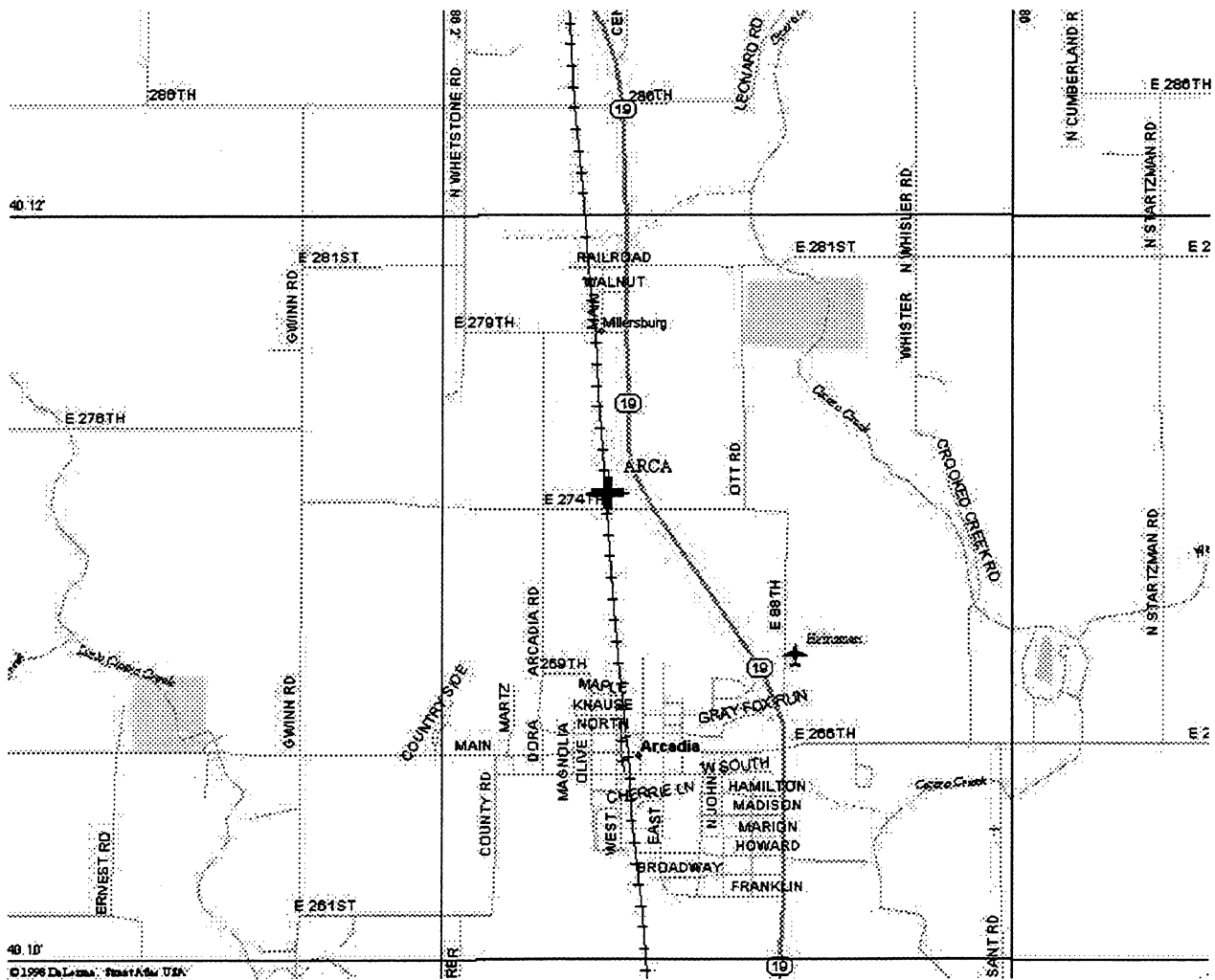
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) FROM BLOOMFIELD, TRAVEL 7.64 KM (4.75 MI) EAST OF U.S. 54. TURN SOUTH ON TO COUNTY ROAD 530 EAST AND TRAVEL 1.45 KM (0.90 MI) TO THE JUNCTION WITH COUNTY ROAD 50 NORTH. TRAVEL EAST ON COUNTY ROAD 50 NORTH FOR 0.25 KM (0.15 MI) TO THE JUNCTION WITH 500 EAST. TRAVEL SOUTH ON 500 EAST FOR 2.25 KM (1.40 MI) TO THE INTERSECTION OF COUNTY ROAD 50 SOUTH WITH 500 EAST. TURN EAST AND TRAVEL ON COUNTY ROAD 50 SOUTH FOR 0.72 KM (0.45 MI). THE STATION IS LOCATED SOUTH OF COUNTY ROAD 50 SOUTH, ON THE COUNTY RIGHT-OF-WAY ADJACENT TO THE PROPERTY OF CHARLES HELMS. CONTACT DAVID O. ANDERSON, COUNTY ROAD SUPERVISOR, COURTHOUSE, ROOM G05, BLOOMFIELD IN 47424, PHONE 812-384-2017. LOCATED 6.71 METERS (22.01 FT) WEST AND 0.91 METERS (2.99 FT) SOUTH OF A TELEPHONE POLE, 5.33 METERS (17.49 FT) SOUTH OF THE COUNTY ROAD 50 SOUTH CENTER, 101 METERS (331.4 FT) WEST OF THE CENTER OF THE WEST DRIVEWAY ON THE PROPERTY OWNED BY CHARLES HELMS, 78.5 METERS (257.5 FT) EAST OF THE CENTER OF THE EAST DRIVEWAY ON PROPERTY OWNED BY RALPH RAPER, ABOUT 0.3 METERS (1.0 FT) ABOVE THE ROAD LEVEL, IN THE TOP OF A ROUND CONCRETE MONUMENT PROJECTING 20 CM ABOVE GROUND. THE MONUMENT APPEARS TO HAVE BEEN STRUCK, AS A PORTION OF THE TOP OF THE CONCRETE MONUMENT ON THE WEST SIDE IS MISSING. IT ALSO APPEARS TO HAVE BEEN DISTURBED, AS THE TOP OF THE MONUMENT SLOPES, 5/16 INCH PER FOOT TO THE EAST.



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) NOTE - REFERENCE TIES AND PREVIOUS DESCRIPTION OF TRIANGULATION STATION ARCADIA FIT THE LOCATION OF A DISC LOCATED 0.4 METERS (1.3 FT) DOWN BUT THE DISC IS CAST AS A REFERENCE MARK WITH THE USUAL ARROW IN CENTER. IT IS SET IN CONCRETE THAT COULD BE THE REMAINS OF THE ORIGINAL STATION MARK, BROKEN OFF AS IT IS IN AGREEMENT WITH TIES, IT HAS BEEN OCCUPIED BY GPS AND REDESCRIBED HERE. STATION IS LOCATED 0.8 MILES (1.3 KM) NORTH OF ARCADIA. TO REACH STATION FROM ARCADIA, GO NORTH FROM THE INTERSECTION OF STATE ROAD 19 WITH 266TH STREET ON STATE ROAD 19 FOR 0.8 MILE (1.3 KM) TO 274TH STREET. GO WEST 700 FEET (213.4 M) TO THE INTERSECTION OF 274TH STREET WITH LAKE ERIE AND WESTERN RAILROAD. GO NORTH ALONG RAILROAD 95.6 METERS (313.6 FT) TO THE STATION, 2.2 METERS (7.2 FT) TO THE WEST OF THE INSIDE GAUGE OF THE WEST RAIL, 0.4 METERS (1.3 FT) BELOW BALLAST OF RAILROAD PLUS OR MINUS 1 METER (3.3 FT) BELOW RAILS. AN OLD HOUSE IS PLUS OR MINUS 30 METERS (98.4 FT) TO SOUTHWEST, WEST RAILROAD ROW FENCE IS 4.9 METERS (16.1 FT) TO WEST, (2) 0.95 METERS (3.12 FT) X 0.95 METERS (3.12 FT) CONCRETE SIGNAL BASES ARE 133.3 METERS (437.3 FT) TO NORTH AND A REFERENCE MARK IS 159.22 METERS (522.37 FT) AT AN AZIMUTH OF 80 DEGREES. REFERENCE MARK IS NEAR EAST ROW FENCE RAILROAD OWNERS CONTACT - LARRY HOPKINS, HOOSIER HERITAGE PORT AUTHORITY, 11601 MUNICIPAL DRIVE, FISHERS IN 46038, PHONE 317-578-1339.



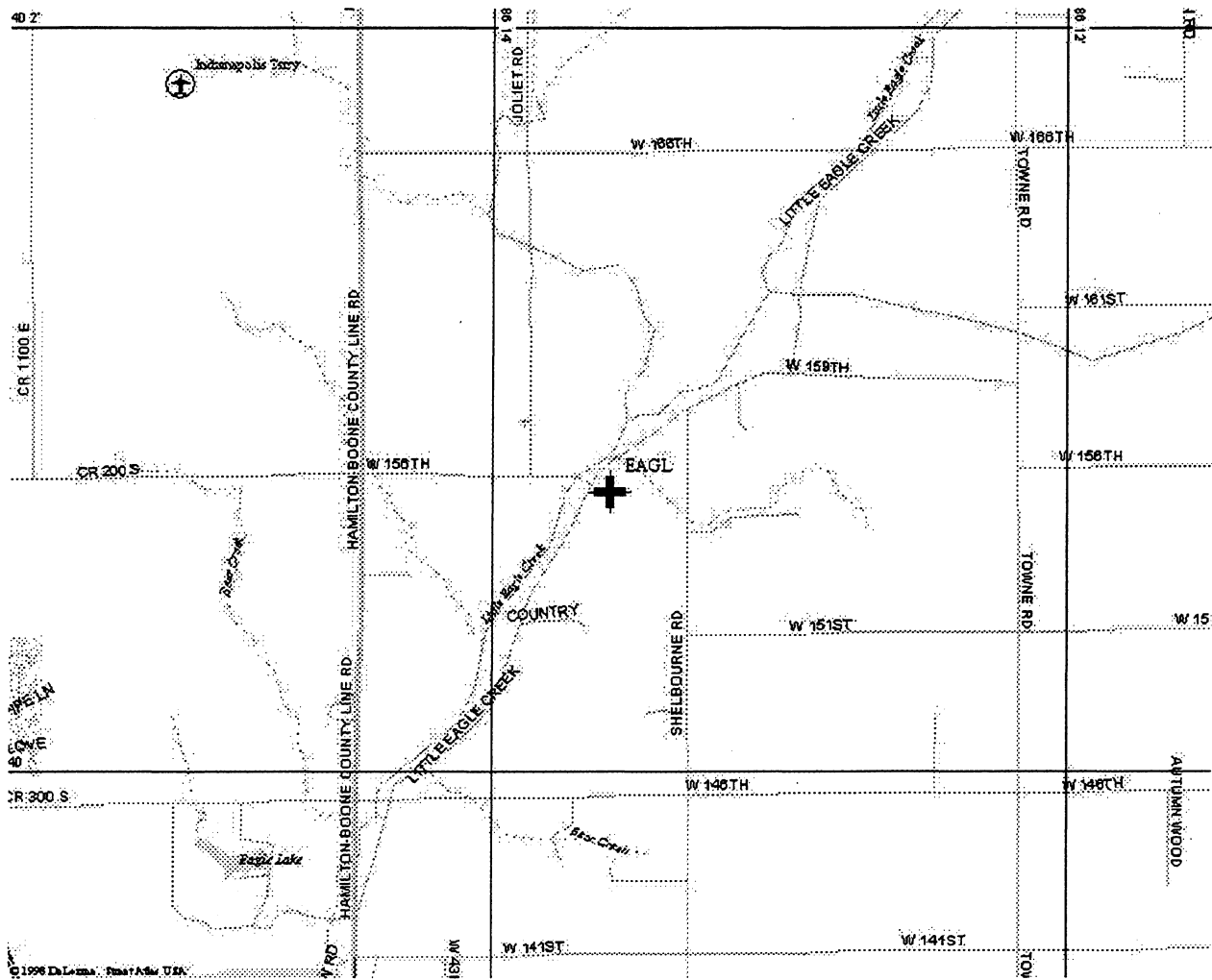
Designator EAGLE CEM

4-Character ID EAGL

County HAMILTON

Description and Location Map

DESCRIBED BY HAMILTON COUNTY INDIANA 1997 (JWK) DESCRIBED BY WOOLPERT LLP 1998 (CWH). 3.5 KM (2.15 MI) SOUTH OF JOLIETVILLE, INDIANA, IN THE EAGLE CREEK CEMETERY. TO REACH THE STATION IN THE EAGLE CREEK CEMETERY FROM THE INTERSECTION OF STATE ROUTE 31 AND STATE ROUTE 32, PROCEED WEST ALONG STATE ROUTE 32 FOR 8.3 KM (5.15 MI) TO AN INTERSECTION. TURN LEFT AND PROCEED SOUTH ALONG JOLIETVILLE ROAD FOR 3.1 KM (1.90 MI) TO AN INTERSECTION. TURN LEFT AND PROCEED EAST ALONG WEST 156TH STREET FOR 0.2 KM (0.10 MI) TO THE ENTRANCE OF THE EAGLE CREEK CEMETERY. THE STATION IS AN ALUMINUM MARKER DRIVEN INTO THE GROUND AND IS CONTAINED IN A METAL BOX WITH AN ACCESS COVER. THE STATION IS STAMPED --HAMILTON COUNTY SECTION CORNER--. THE STATION IS 90 M (295.3 FT) SOUTH AND 30 M (98.4 FT) WEST OF THE INTERSECTION OF WEST 156TH STREET AND THE ENTRANCE TO EAGLE CREEK CEMETERY, 2.9 M (9.5 FT) DUE WEST TO THE CENTER OF A GRAVEL DRIVE, 31.0 M (101.7 FT) DUE NORTH TO THE CENTER OF A GRAVEL DRIVE, 16.3 M (53.5 FT) DUE SOUTH TO A GRAVEL DRIVE, 25.9 M (85.0 FT) AT AN AZIMUTH OF 340 DEGREES TO THE SOUTHEAST FACE OF A FLAGPOLE AT GROUND LEVEL, 14.3 M (46.9 FT) AT AN AZIMUTH OF 220 DEGREES TO THE NORTHEAST FACE A 0.4 M (1.3 FT) DIAMETER PINE TREE.



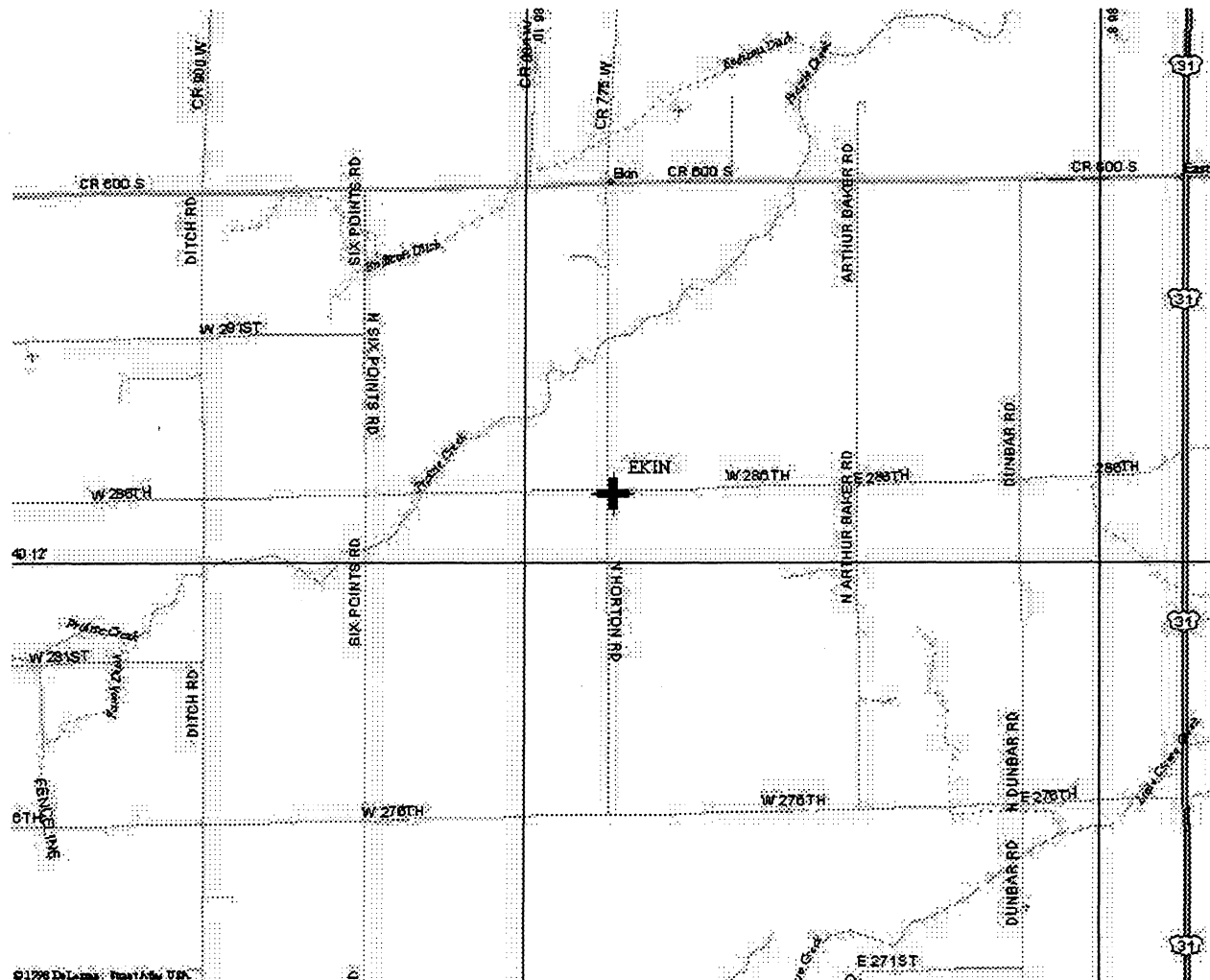
Designator EGIN

4-Character ID EGIN

County HAMILTON

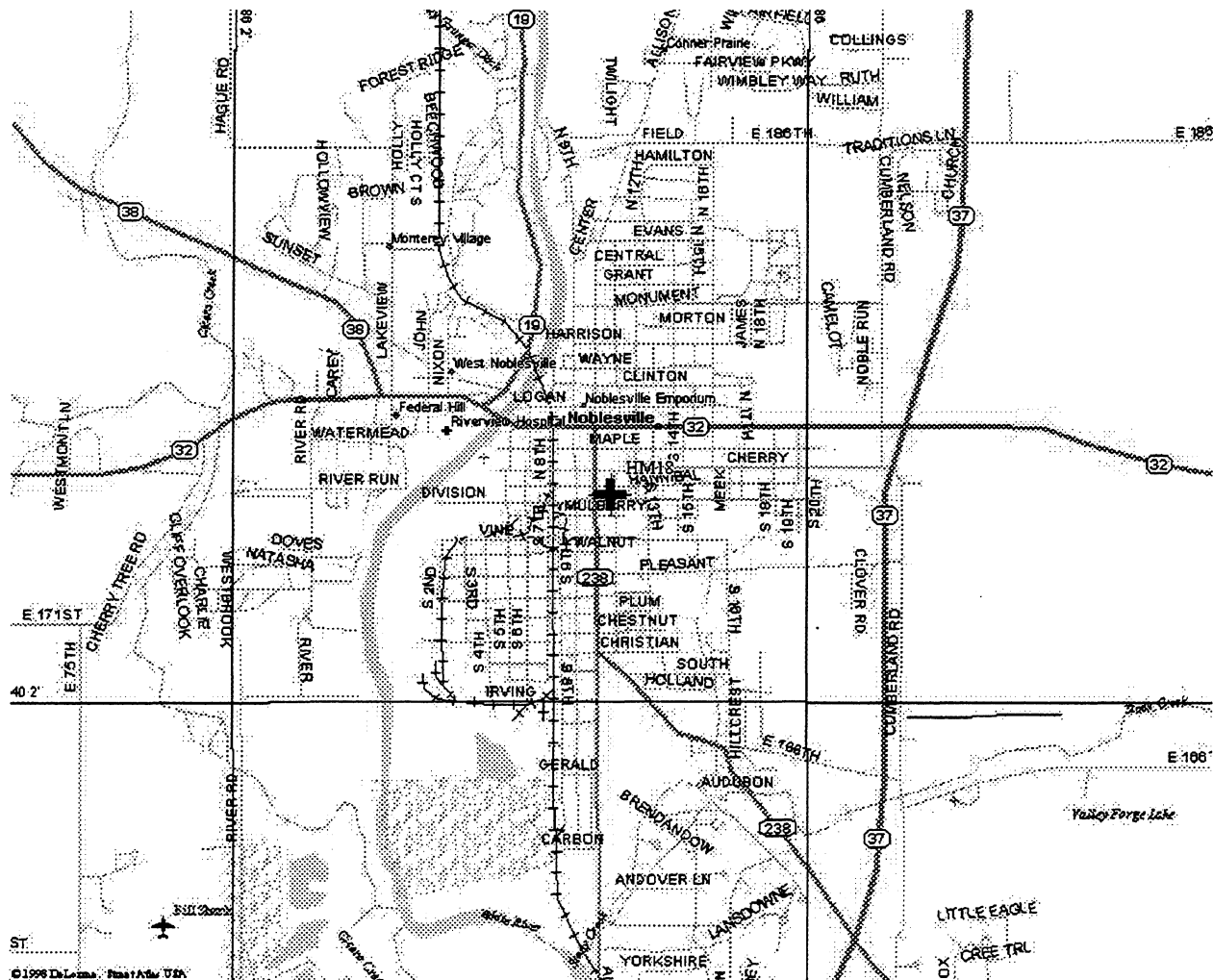
Description and Location Map

RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (JCB) RECOVERY NOTE BY WOOLPERT LLP 1998 (JCB). STATION IS ABOUT 8.5 MI (13.7 KM) SOUTHWEST OF TIPTON, AND 1.0 MI (1.6 KM) SOUTH OF EGIN. TO REACH STATION FROM INTERSECTION OF STATE ROUTE 28 AND STATE ROUTE 31, GO SOUTH ON STATE ROUTE 31 FOR 4.8 MI (7.7 KM) TO 286TH STREET. THENCE 1.75 MI (2.82 KM) WEST ON 286TH STREET TO THE INTERSECTION OF 286TH STREET AND HORTON ROAD. THE STATION IS IN THE SOUTHEAST QUADRANT OF THE INTERSECTION. THE STATION IS A TRIANGULATION STATION DISK SET IN A CONCRETE MONUMENT STAMPED--EGIN 1934--. THE STATION IS 8.8 M (28.9 FT) EAST OF THE CENTERLINE OF HORTON ROAD, 8.4 M (27.6 FT) SOUTH OF THE CENTERLINE OF 286TH STREET, AND 5.7 M (18.7 FT) NORTHEAST OF A GREEN TELEPHONE POLE. THE STATION IS 0.4 M (1.3 FT) BELOW THE SURFACE OF THE GROUND.



Description and Location Map

DESCRIBED BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS 0.20 MILES (0.32 KM) SOUTH OF NOBLESVILLE, 6 MILES (9.7 KM) NORTH OF FISHERS, 7 MILES (11.3 KM) NORTHEAST OF CARMEL. TO REACH THE STATION FROM THE JUNCTION OF STATE ROAD 37 AND STATE ROAD 32, GO WEST ON STATE ROAD 32 FOR 0.90 MILES (1.45 KM) TO 10TH STREET IN NOBLESVILLE. TURN LEFT AND GO SOUTH FOR 0.10 MILES (0.16 KM) TO HANNIBAL STREET. TURN LEFT AND GO EAST FOR 200 FEET (61.0 M) TO A PARK ON RIGHT AND STATION IS 144 FEET (43.9 M) SOUTH OF THE CENTERLINE OF ROAD IN PUBLIC PARK. THE STATION IS DOWN 10 INCHES IN A SLEEVED CASING. IT IS AN ALUMINUM DISC INSCRIBED HAMILTON COUNTY SURVEYOR SECTION CORNER. AZIMUTH 0 DEGREES 43.907 METERS (144.052 FT) TO CENTERLINE OF ROAD, AZIMUTH 90 DEGREES 35.760 METERS (117.323 FT) TO CENTERLINE OF ROAD, AZIMUTH 192 DEGREES 23.030 METERS (75.558 FT) TO BASE AREA LIGHT, AZIMUTH 256 DEGREES 10.535 METERS (34.564 FT) TO BASE AREA LIGHT. NOTE--STATION IS A BERNTSEN ROD AND CAP G-1/G-2, SET 6 FEET (1.8 M) DEEP AND ONLY TOP 3 FEET (0.9 M) IS IN CONCRETE. AE8503 RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (KRB) WOOLPERT LLP 1988 (KRB) RECOVERED AS DESCRIBED, EXCEPT THAT THE PARK IS IDENTIFIED AS SEMINARY PARK.



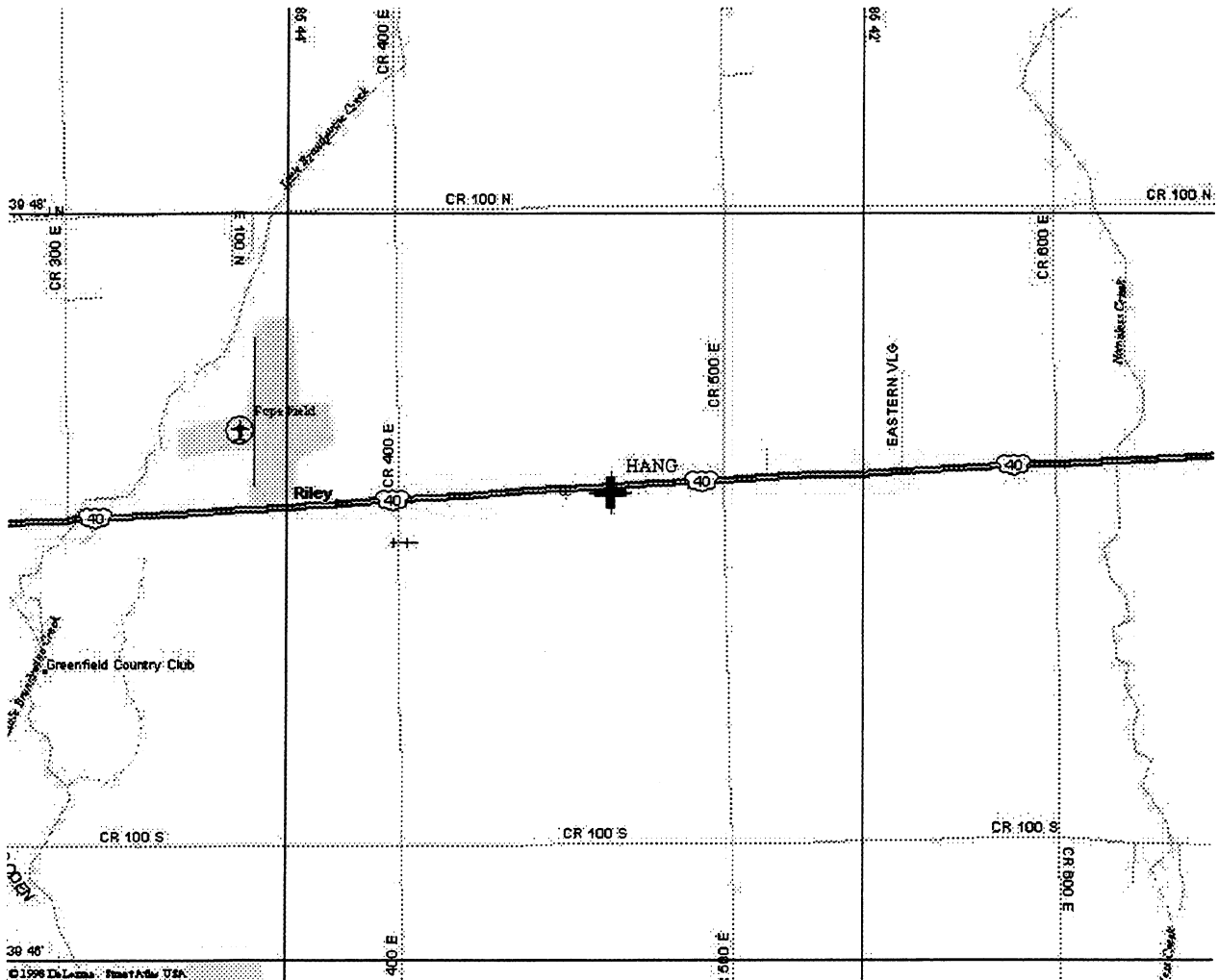
Designator HAN G 5

4-Character ID HANG

County HANCOCK

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED 3 MILES (4.8 KM) EAST OF GREENFIELD. TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 40 AND STATE ROAD 9 IN GREENFIELD, GO EAST ON HIGHWAY 40 FOR 2.9 MILES (4.7 KM) TO THE STATION ON THE RIGHT, IN THE RIGHT-OF-WAY OF U.S. HIGHWAY 40. CONTACT IS INDOT, HENRY ALDRIDGE, 100 NORTH SENATE AVENUE, INDIANAPOLIS IN 46204-2249, PHONE 317-232-6764. THE STATION IS SET IN THE EAST END OF A CONCRETE HEADWALL OF A BOX CULVERT, 3.40 METERS (11.15 FT) SOUTH OF THE SOUTH EDGE OF PAVEMENT OF EASTBOUND HIGHWAY 40, 5.45 METERS (17.88 FT) NORTH OF THE SOUTH RIGHT-OF-WAY LINE OF HIGHWAY 40, AZIMUTH 260 DEGREES 24.50 METERS (80.38 FT) TO A POWER POLE, AZIMUTH 44.35 METERS (145.50 FT) TO A POWER POLE.



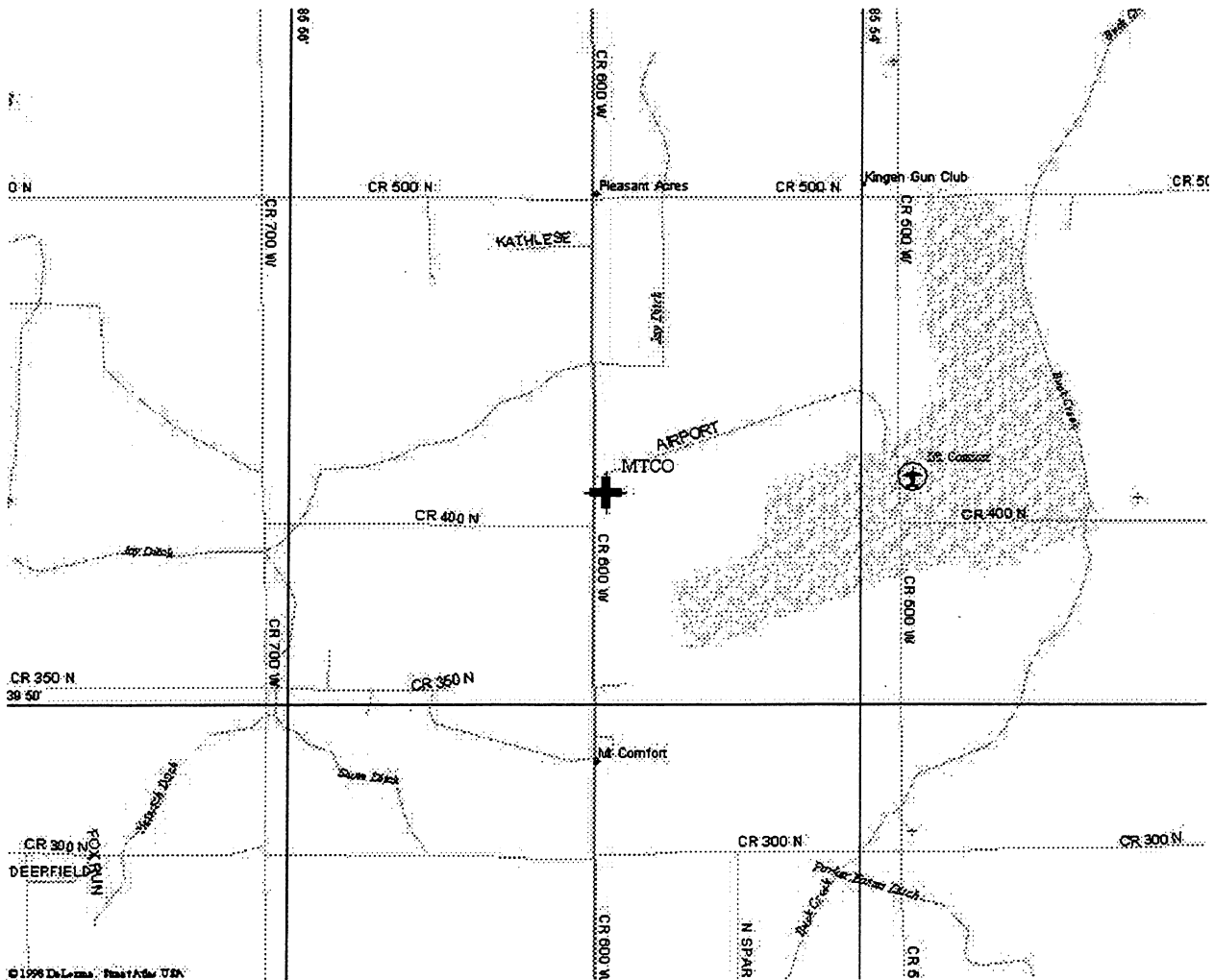
Designator MT COMFORT

4-Character ID MTCO

County HANCOCK

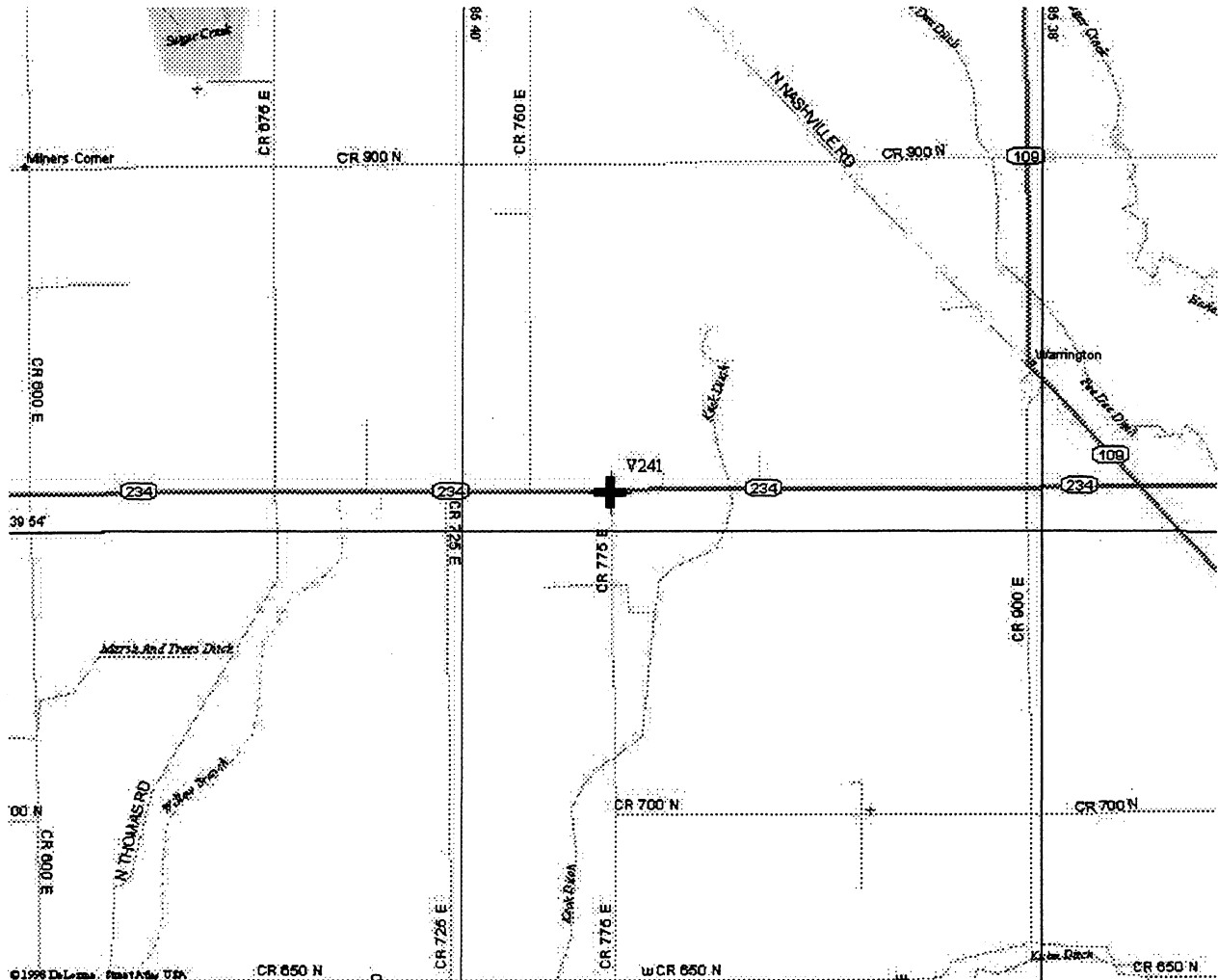
Description and Location Map

DESCRIBED BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) LOCATED ON THE NORTHEAST SIDE OF INDIANAPOLIS, AT THE MOUNT COMFORT AIRPORT, IN SECTION 7, TOWNSHIP 16 NORTH, RANGE 6 EAST. TO REACH GO 1.5 MILES (2.4 KM) NORTH ALONG MOUNT COMFORT ROAD FROM ITS INTERSECTION WITH INTERSTATE HIGHWAY 70 TO THE ENTRANCE OF THE MOUNT COMFORT AIRPORT. LOCATED 155 FEET (47.2 M) SOUTH OF THE CENTERLINE OF THE AIRPORT MAIN ENTRANCE, 123 FEET (37.5 M) EAST OF THE CENTERLINE OF MOUNT COMFORT ROAD, 65 FEET (19.8 M) NORTHEAST OF A 4 INCH CONCRETE RIGHT-OF-WAY MARKER, 15 FEET (4.6 M) NORTHWEST OF A 6 FOOT (1.8 M) HIGH CHAIN LINK FENCE CORNER POST, 2 FEET (0.6 M) NORTHEAST OF A METAL WITNESS SIGN POST, PROJECTING 0.3 FEET (9.1 CM) ABOVE GROUND AND ABOUT LEVEL WITH SURFACE OF MOUNT COMFORT ROAD. CONTACT DAVID COOK, MANAGER, RELIEVER AIRPORTS AT THE MAINTENANCE BUILDING, PHONE 317-335-2130.



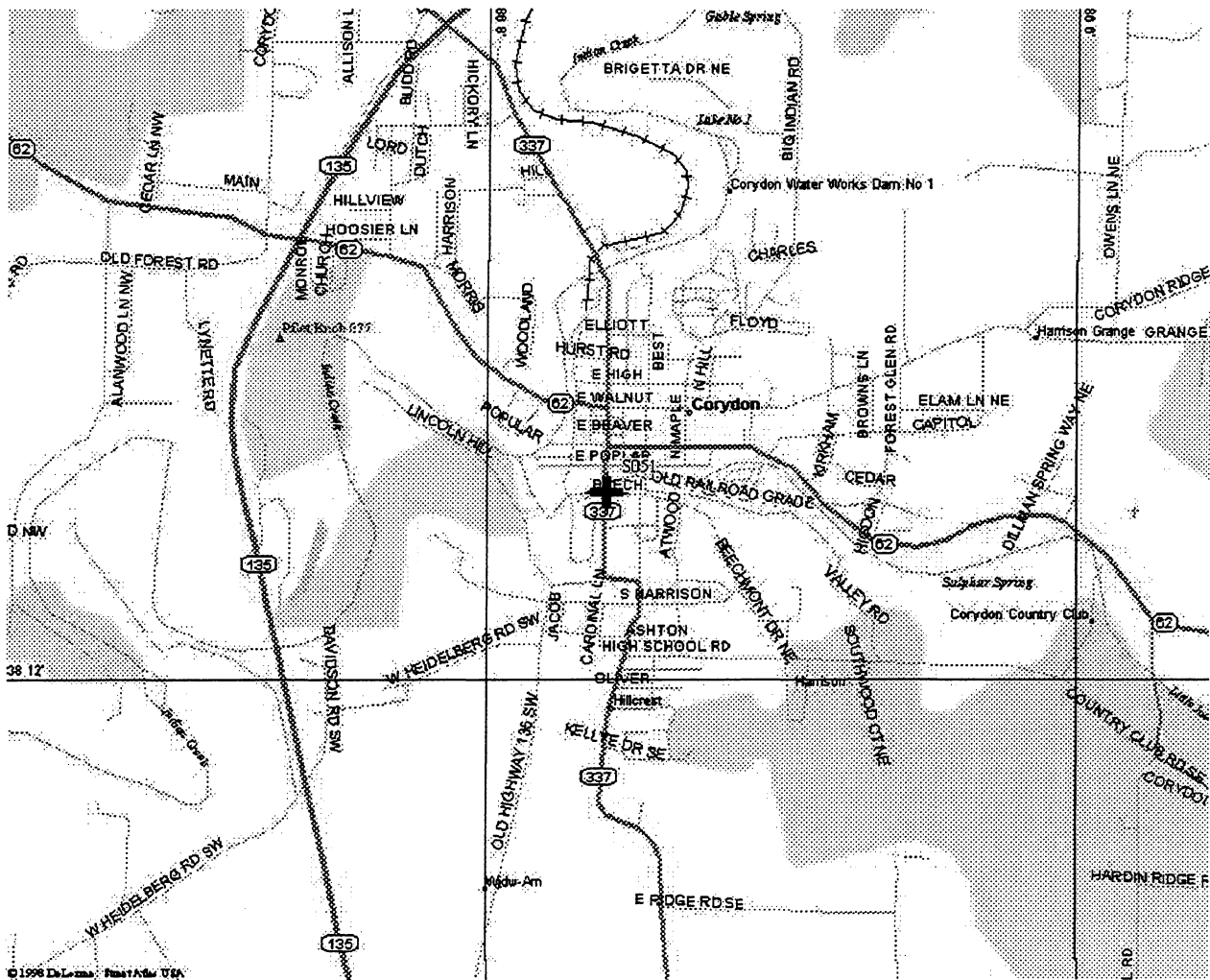
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED ABOUT 10 MILES (16.1 KM) SOUTH OF ANDERSON. TO REACH THE STATION FROM THE JUNCTION OF STATE ROAD 9 AND STATE ROAD 234, GO EAST FOR 6.1 MILES (9.8 KM) ON STATE ROAD 234 TO COUNTY ROAD 775 EAST. THE STATION IS 12.4 METERS (40.7 FT) SOUTH OF CENTER OF STATE ROAD 234 AND 6.6 METERS (21.7 FT) WEST OF CENTER OF COUNTY ROAD 775 EAST. CONTACT IS HENRY ALDRIDGE, INDOT, 100 NORTH SENATE AVENUE, INDIANAPOLIS, IN 46204-2249, PHONE 317-232-6764. LOCATED AT AZIMUTH 14 DEGREES 26.20 METERS (85.96 FT) TO AREA LIGHT/RISOR POLE, AZIMUTH 100 DEGREES 13.25 METERS (43.47 FT) TO A POWER POLE, AZIMUTH 126 DEGREES 12.6 METERS (41.3 FT) TO A POWER POLE, AZIMUTH 93 DEGREES 1.45 METERS (4.76 FT) TO A RIGHT-OF-WAY MARKER, AZIMUTH 92 DEGREES 1.3 METERS (4.3 FT) TO A ROAD SIGN, SOUTHWEST QUADRANT OF INTERSECTION.



Description and Location Map

DESCRIBED BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS 6 MILES (9.7 KM) EAST OF WHITE CLOUD, 2 MILES (3.2 KM) SOUTH OF INTERSTATE HIGHWAY 64 AND IN THE CITY OF CORYDON. TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAY 337 (CAPITOL AVENUE) AND STATE HIGHWAY 62 (CHESTNUT STREET), GO SOUTH ON STATE HIGHWAY 337 FOR 0.1 MILES (0.2 KM) TO THE BRIDGE OVER LITTLE INDIAN CREEK. THE STATION IS ON THE SOUTHWEST CORNER OF THE BRIDGE. IT IS IN THE RIGHT OF WAY OF STATE HIGHWAY 337. OWNERSHIP--INDIANA DEPARTMENT OF TRANSPORTATION, 100 N. SENATE AVENUE, ROOM 1101, STATE OFFICE BUILDING, INDIANAPOLIS IN 46204, HENRY ALDRIDGE, 317-382-6764. THE STATION IS SET IN THE CONCRETE ABUTMENT ON THE SOUTHEAST CORNER OF BRIDGE OVER LITTLE INDIAN CREEK. IT IS 7.1 METERS (23.3 FT) WEST OF THE CENTERLINE OF STATE HIGHWAY 337, 9.3 METERS (30.5 FT) NORTH OF MANHOLE AND ABOUT 0.15 METERS (0.49 FT) ABOVE LEVEL OF ROAD.



© 1998 DeLorme, Paris, France, USA

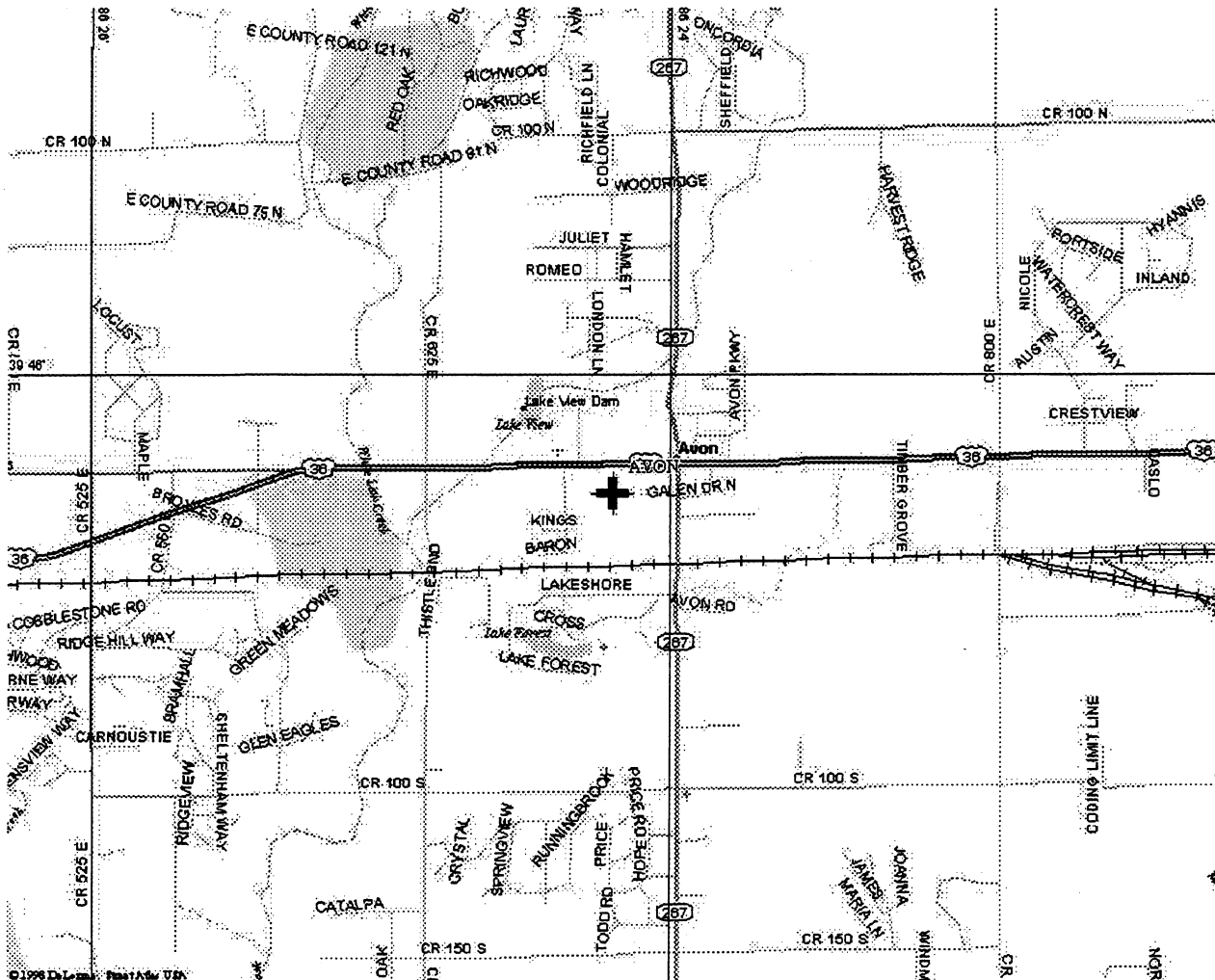
Designator AVON

4-Character ID AVON

County HENDRICKS

Description and Location Map

DESCRIBED BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) IN AVON, ON THE GROUNDS OF THE AVON MIDDLE SCHOOL. FROM INTERSECTION OF U.S. HIGHWAY 36 AND STATE HIGHWAY 267, GO WEST ON U.S. HIGHWAY 36 FOR 0.30 KILOMETERS (0.20 MI) TO AN ASPHALT T ROAD HEADING SOUTH, THENCE SOUTH ON T ROAD FOR 150 METERS (492.1 FT) TO STATION ON THE RIGHT. LOCATED 20.1 METERS (65.9 FT) WEST OF CENTER OF NORTH ACCESS DRIVE TO MIDDLE SCHOOL, 8.7 METERS (28.5 FT) SOUTH OF THE SOUTH EDGE OF ASPHALT PARKING LOT, 27.5 METERS (90.2 FT) SOUTHEAST OF THE SOUTHEAST CORNER OF BRICK AND WOOD FRAME OFFICE BUILDING, 41.6 METERS (136.5 FT) NORTH-NORTHWEST OF NORTH EDGE OF CONCRETE AREA LIGHT BASE AND 40.7 METERS (133.5 FT) WEST OF WEST EDGE OF CONCRETE AREA LIGHT BASE.



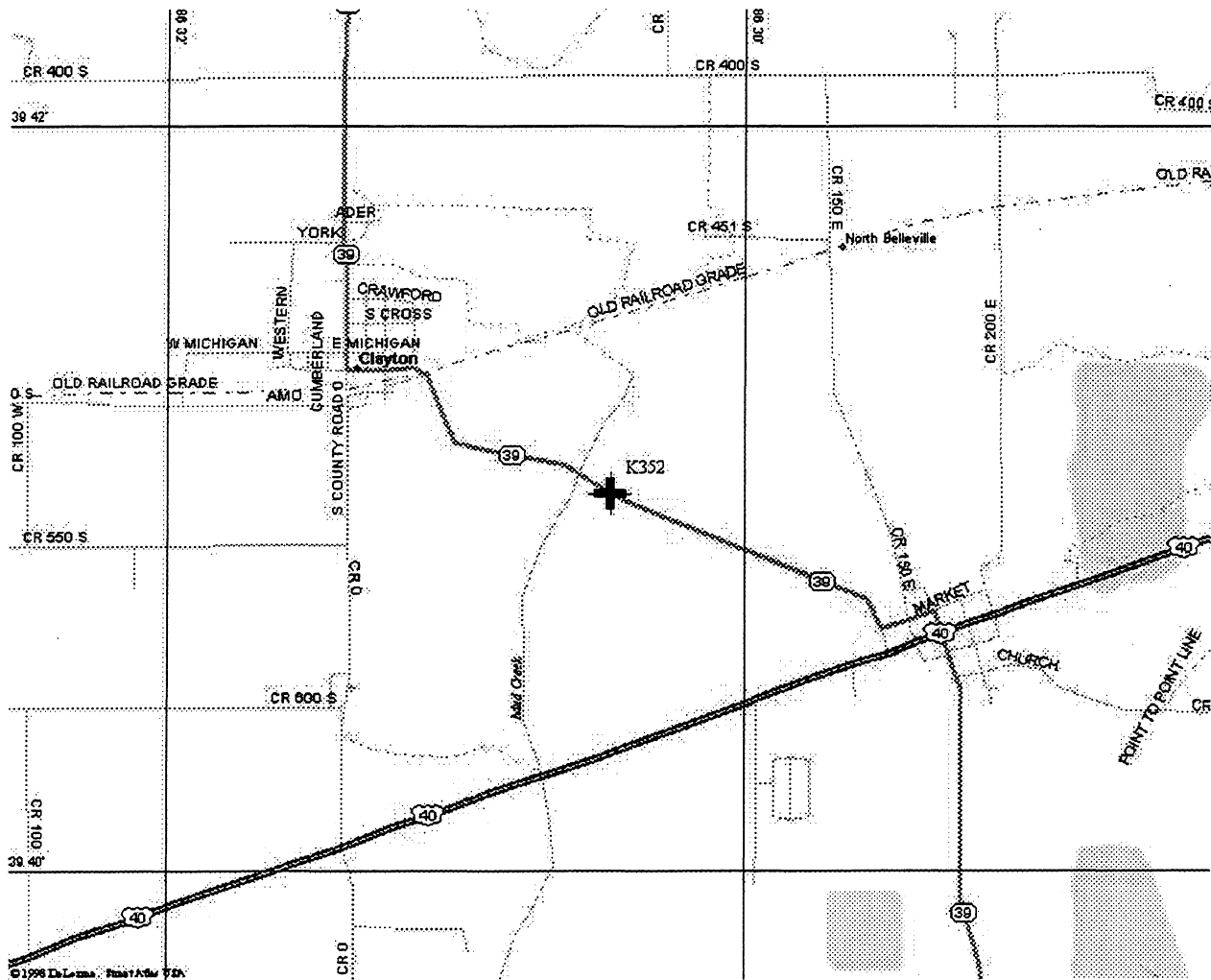
Designator K 352

4-Character ID K352

County HENDRICKS

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS 1.93 KM (1.20 MI) NORTH OF JUNCTION OF U.S. HIGHWAY 40 AND STATE ROAD 39 AT BELLEVILLE, 31.4 KM (19.50 MI) SOUTHWEST OF INDIANAPOLIS, 8.05 KM (5.00 MI) SOUTH OF DANVILLE AND 31.4 KILOMETERS (19.50 MI) EAST OF GREENCASTLE. FOLLOW STATE ROAD 39 NORTH AT BELLEVILLE 1.93 KILOMETERS (1.20 MI) TO CURVES. AHEAD OF CURVES ON LEFT IS A GRAVEL DRIVE (LEADING SOUTH) OF FIELD ENTRANCE WITH A CONCRETE CULVERT UNDER STATE ROAD 39 JUST BACKLINE OF JOE GIBBS FARM. STATION IS LOCATED 14.9 METERS (48.9 FT) FROM CENTERLINE OF STATE ROAD 39, 27.345 METERS (89.714 FT) SOUTHEAST OF SOUTHWEST CORNER OF CONCRETE HEADWALL, AND 24.30 METERS (79.72 FT) FROM FACE OF POWER POLE 068-183. STATION IS ON INDOT RIGHT-OF-WAY, OWNERSHIP--INDOT, 100 NORTH SENATE AVENUE, STATE OFFICE BUILDING, INDIANAPOLIS IN 46204. CONTACT IS HENRY ALDRIDGE, LOCATION SURVEYS, PHONE 317-232-6764. ACCESS TO ROD IS THROUGH A 5-INCH LOGO CAP. THE MARK IS 0.3 METERS (1.0 FT) NORTH-NORTHEAST FROM A WITNESS POST AND 0.80 METERS (2.62 FT) BELOW THE HIGHWAY.



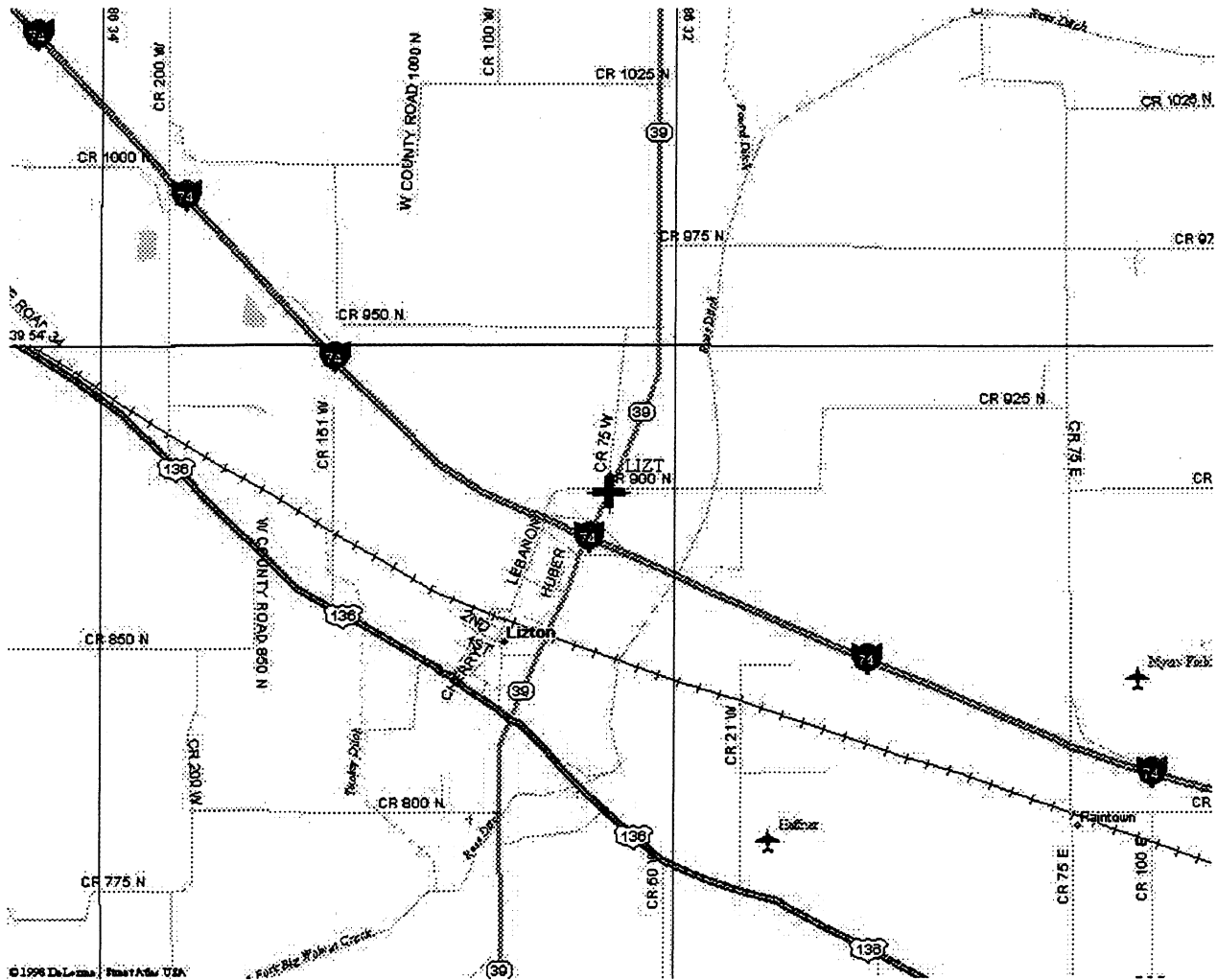
Designator LIZTON

4-Character ID LIZT

County HENDRICKS

Description and Location Map

DESCRIBED BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED 0.8 MILE (1.3 KM) NORTHEAST OF LIZTON. TO REACH THE STATION FROM THE JUNCTION OF INTERSTATE HIGHWAY 74 AND STATE HIGHWAY 39, GO NORTH FOR 0.2 KILOMETERS (0.10 MI) ON STATE HIGHWAY 39 TO COUNTY ROAD 900 NORTH. THE STATION IS 18.70 METERS (61.35 FT) SOUTHEAST OF THE CENTER OF HIGHWAY 39 AND 17.40 METERS (57.09 FT) SOUTH OF THE CENTER OF COUNTY ROAD 900 NORTH ON THE GROUNDS OF INDIANA DEPARTMENT OF TRANSPORTATION GARAGE NUMBER 12-04. CONTACT IS HENRY ALDRIDGE AT INDOT, 100 N. SENATE AVENUE, INDIANAPOLIS IN 46204-2249, PHONE 317-232-6764. LOCATED AT AZIMUTH 232 DEGREES 9.88 METERS (32.41 FT) TO CORNER POST 6 FOOT (1.8 M) CHAIN LINK FENCE, AZIMUTH 40 DEGREES 15.90 METERS (52.17 FT) TO A POWER POLE, AZIMUTH 172 DEGREES 33.10 METERS (108.60 FT) TO THE NORTHWEST CORNER BRICK GARAGE OFFICE BUILDING.



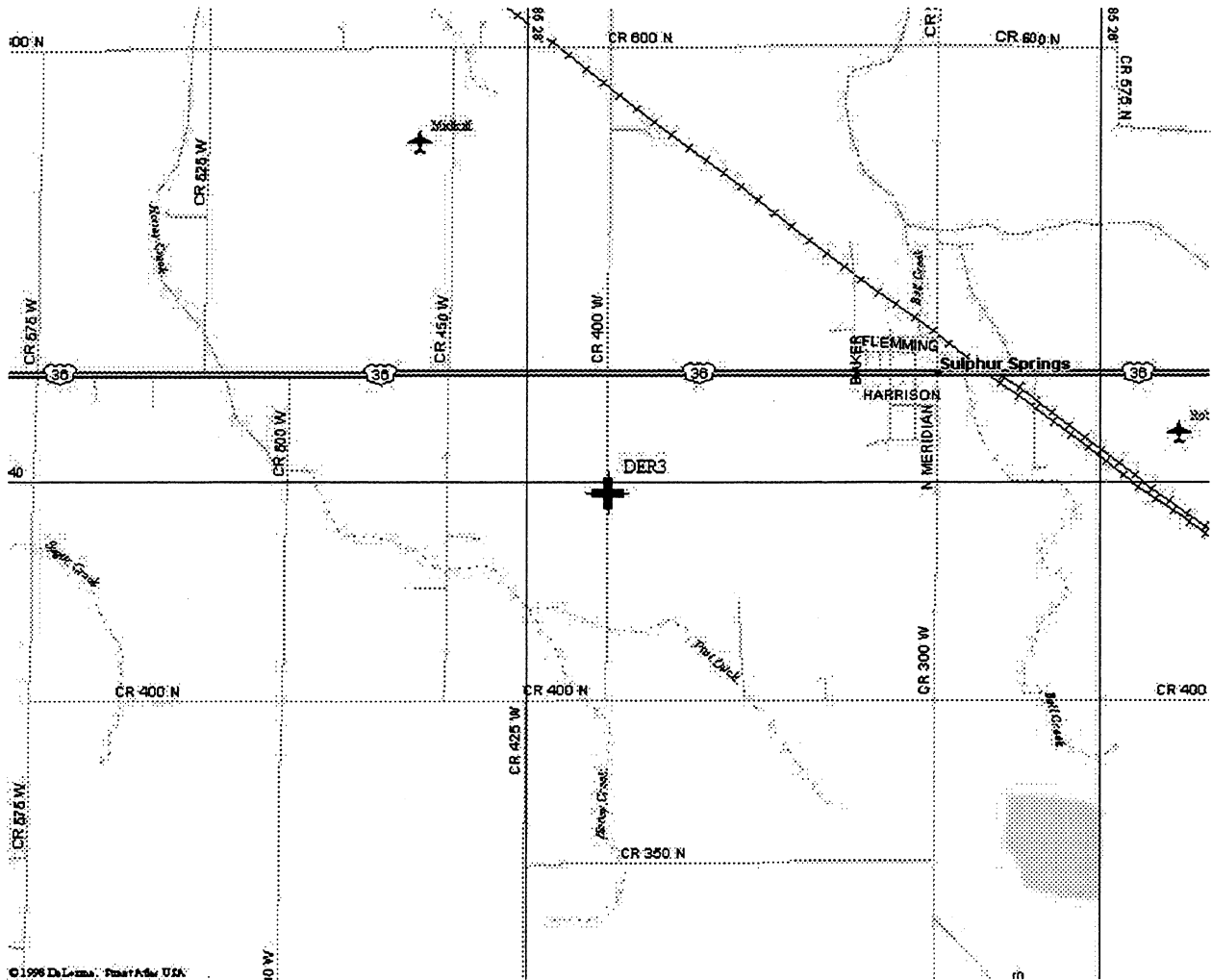
Designator DEROW RM 3

4-Character ID DER3

County HENRY

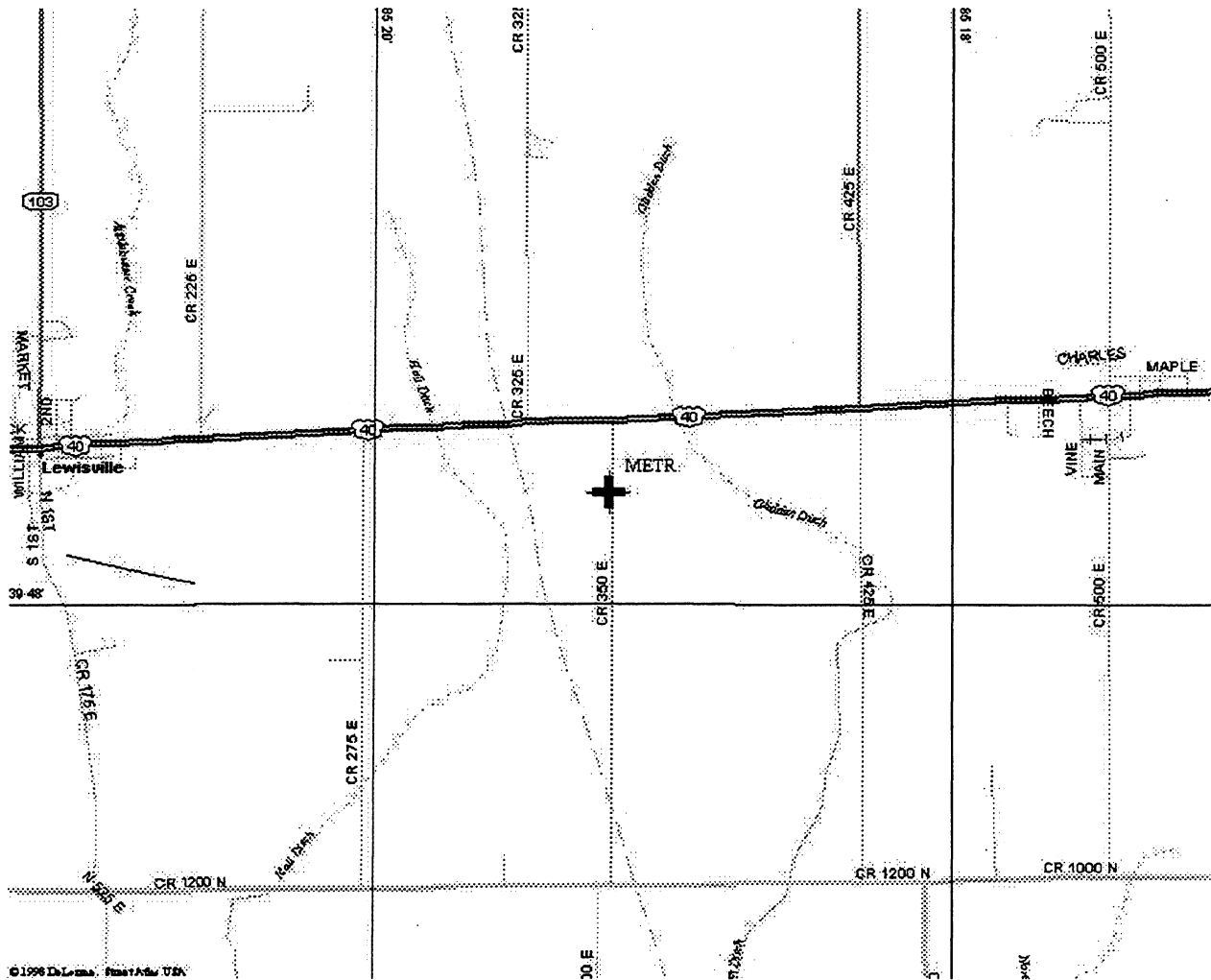
Description and Location Map

DESCRIBED BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) 4.4 MILES (7.1 KM) WEST OF THE JUNCTION OF STATE ROAD 3 AND STATE ROAD 36 ON THE EAST SIDE OF MOUNT SUMMIT, THRU SULPHUR SPRINGS TO THE INTERSECTION WITH COUNTY ROAD 400 WEST, GO SOUTH 0.35 MILES (0.56 KM) TO THE STATION ON THE EAST SIDE OF COUNTY ROAD. THE STATION IS SET IN THE TOP OF A 12 INCH DIAMETER CONCRETE POST PROJECTING 7 CM ABOVE GROUND. IT IS DIRECTLY ADJACENT TO A 0.5 METER (1.6 FT) X 0.5 METER (1.6 FT) CONCRETE CORNER POST. LOCATED 25.10 METERS (82.35 FT) SOUTHWEST OF THE SOUTHWEST CORNER OF BOLING HOUSE, 8.48 METERS (27.82 FT) NORTH OF AN EAST-WEST FENCE LINE, 5.70 METERS (18.70 FT) EAST OF CENTERLINE OF COUNTY ROAD 400 WEST AND 0.40 METERS (1.31 FT) EAST OF THE EAST SIDE OF THE CONCRETE CORNER POST. OWNERSHIP--MR. AND MRS. WARREN BOLING, 4744 COUNTY ROAD 400 WEST, MIDDLETOWN IN, PHONE 765-533-3513.



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) ABOUT 2 MILES (3.2 KM) EAST OF LEWISVILLE, ABOUT 0.2 MILES (0.3 KM) SOUTH OF U.S. HIGHWAY 40. TO REACH THE STATION FROM LEWISVILLE, GO EAST ON U.S. HIGHWAY 40 FOR 1.7 MILES (2.7 KM) FROM THE INTERSECTION WITH STATE ROAD 103 TO COUNTY ROAD 350 WEST. THEN GO SOUTH ON COUNTY ROAD 350 WEST FOR 0.2 MILE (0.3 KM) TO THE STATION ON RIGHT, WEST SIDE OF ROAD. THE STATION MARK IS SET IN A CONCRETE MONUMENT RECESSED 0.25 METERS (0.82 FT) BELOW GROUND IN A CULTIVATED FIELD. THE STATION IS 12.50 METERS (41.01 FT) WEST OF THE CENTERLINE OF GRAVEL COUNTY ROAD 350 WEST, 104 METERS (341.2 FT) SOUTH OF THE CENTERLINE OF ABANDONED RAILROAD BED, REFERENCE MARK 1 CONCRETE BASE (DISC DESTROYED) BEARS AZIMUTH PLUS OR MINUS 36 DEGREES 32.12 METERS (105.38 FT), REFERENCE MARK 2 DESTROYED COMPLETELY. A 36 INCH LONG 5/8-INCH REBAR WITH CAP MARKED SCHNEIDER ENG RANDOM POINT SET THIS DATE BEARS AZIMUTH 114 DEGREES 8.00 METERS (26.25 FT) A SIMILAR 5/8 INCH REBAR SET THIS DATE BEARS AZIMUTH 43 DEGREES 12.05 METERS (39.53 FT). ALSO SEARCHED FOR AZIMUTH MARK, APPEARS TO HAVE BEEN DESTROYED BY HIGHWAY 40 WIDENING. THE STATION IS IN CULTIVATED FIELD. ALL FENCES AND RAILROAD RAILS ARE GONE. THE FIELD IS OWNED BY THE PFAFF ESTATE AND FARMED BY HAROLD PFAFF WHO RESIDES AT COUNTY ROAD 325 EAST AND U.S HIGHWAY 40, PHONE 765-332-2496.



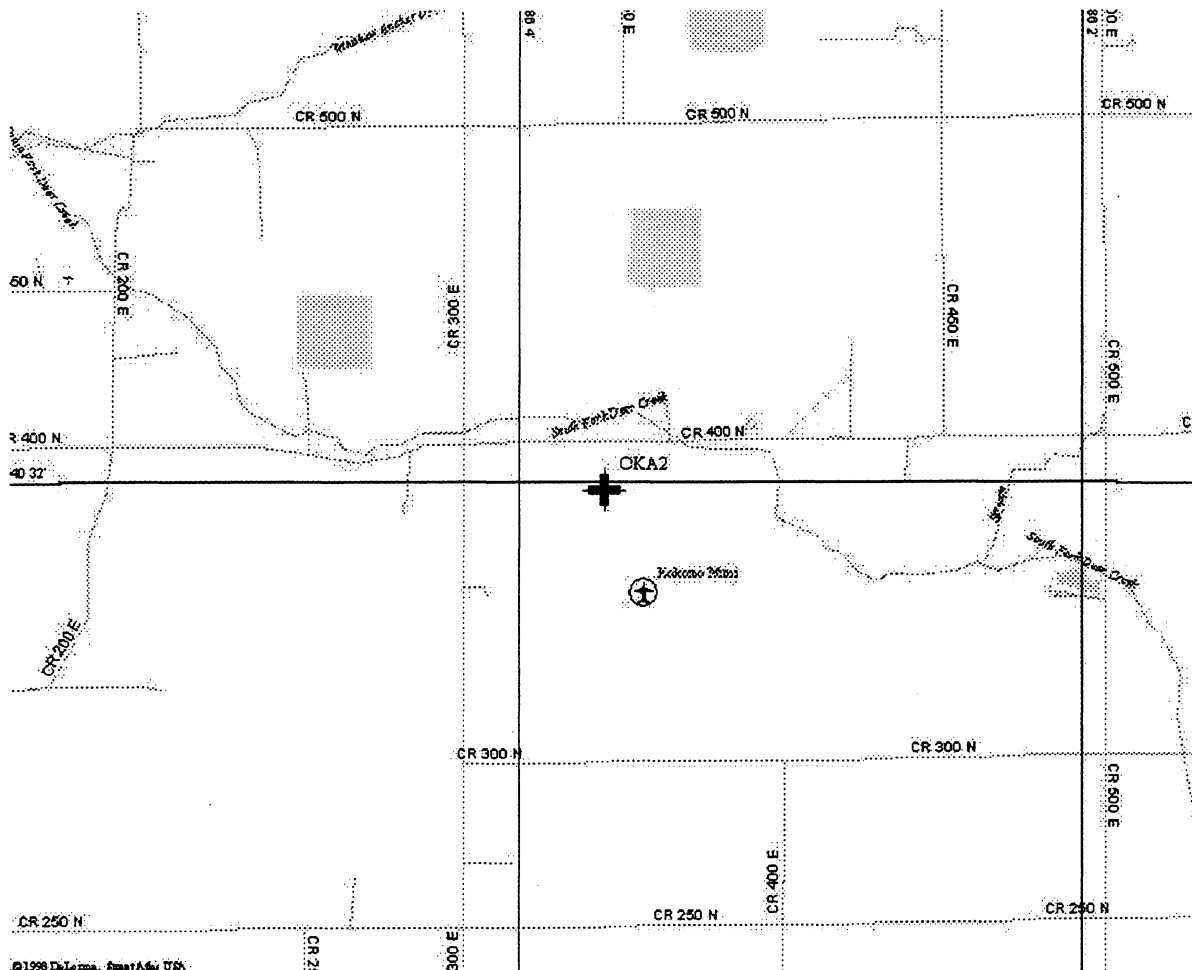
Designator AP 1964 STA A2

4-Character ID OKA2

County HOWARD

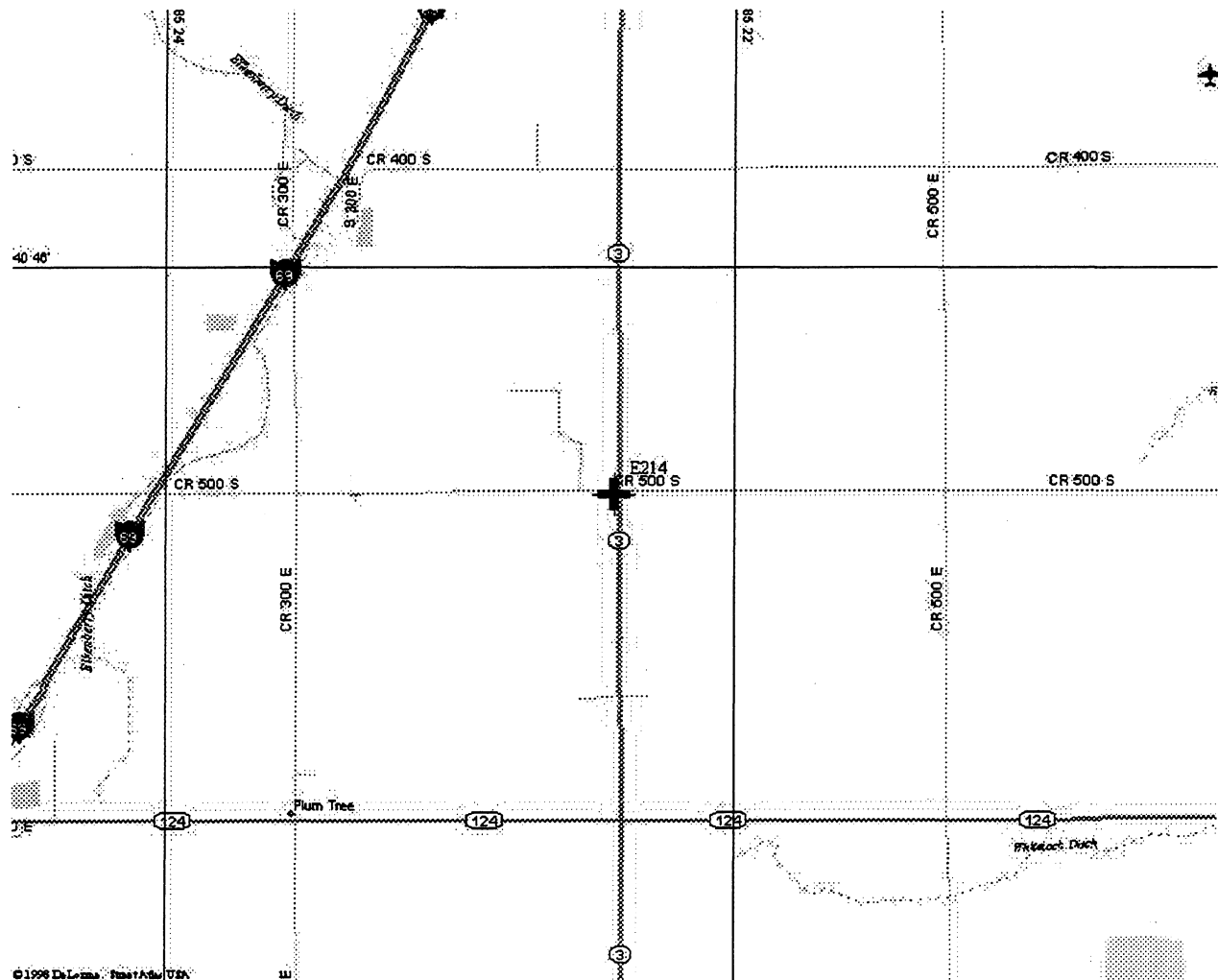
Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED NEAR THE NORTHEAST EDGE OF KOKOMO, AT THE KOKOMO MUNICIPAL AIRPORT, NEAR THE NORTHWEST SECTION OF THE AIRPORT, IN THE GRASS NORTHEAST OF AND IN LINE WITH RUNWAY END 14. TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAYS 31 AND 35 (MARKLAND AVE) AND STATE HIGHWAY 22 NEAR THE EAST SIDE OF KOKOMO, GO EAST FOR 3.2 KM (2.00 MI) ON HIGHWAYS 22 AND 35 TO COUNTY ROAD 300 E ON THE LEFT. TURN LEFT, NORTH FOR 6.43 KM (4.00 MI) ON ROAD 300 E TO COUNTY ROAD 400 N. TURN RIGHT, EAST FOR 0.96 KM (0.60 MI) ON ROAD 400 N TO THE AIRPORT ENTRANCE ROAD ON THE RIGHT. TURN RIGHT, SOUTHERLY FOR 0.16 KM (0.10 MI) ON THE ENTRANCE ROAD TO THE AIRPORT TERMINAL. FROM THE FRONT OF THE TERMINAL, GO EASTERLY FOR 0.14 KM (0.10 MI) AROUND THE SOUTH SIDE OF A MEDIAN AND ALONG A DRIVE TO A HANGAR AND THE AIRPORT OFFICE IN THE HANGAR AND A GATE ON THE RIGHT. PASS THROUGH THE GATE, SOUTHWEST, THEN WEST FOR 0.48 KM (0.30 MI) ACROSS APRON AND ALONG TAXI E TO RUNWAY END 14 AND THE STATION, IN LINE WITH THE RUNWAY END. STATION IS 45.5 M (149.3 FT) NORTHEAST OF A PK NAIL IN THE CENTER END OF RUNWAY 14, 40.55 M (133.04 FT) WEST OF THE TAXI/RAMP F CENTER, 23.7 M (77.8 FT) NORTH OF THE TAXI E CENTER, 21.65 M (71.03 FT) NORTHWEST OF A TAXI LIGHT, 19.9 M (65.3 FT) EAST-NORTHEAST OF THE NORTHEAST 1 OF 4 RUNWAY END LIGHTS, 12.0 M (39.4 FT) SOUTH-SOUTHEAST OF A CONCRETE REIL LIGHT BASE, ABOUT 1.0 M (3.3 FT) BELOW THE RUNWAY LEVEL AND RECESSED ABOUT 0.1 M (0.3 FT) BELOW GROUND. NOTE--THIS STATION IS DESIGNATED AS THE PRIMARY AIRPORT CONTROL STATION.



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) 5.3 MILES (8.5 KM) SOUTH ON STATE ROAD 3 FROM THE INTERSECTION OF STATE ROAD 3 AND STATE ROAD 116 IN MARKLE, TO A CROSSROADS (COUNTY ROAD 500 SOUTH) OR NORTH 1 MILE (1.6 KM) FROM THE INTERSECTION OF STATE ROAD 3 AND STATE ROAD 124 TO THE CROSSROADS, TO THE STATION ON THE SOUTH SIDE OF COUNTY ROAD WEST OF STATE ROAD 3, SET IN A 10 INCH SQUARE CONCRETE POST PROJECTING 2 INCHES ABOVE THE GROUND. LOCATED 20.33 METERS (66.70 FT) WEST OF CENTERLINE OF STATE ROAD 3, 12.86 METERS (42.19 FT) WEST OF THE ANGLE BREAK IN A CONCRETE HEADWALL, 7.50 METERS (24.61 FT) SOUTH OF THE CENTERLINE OF COUNTY ROAD 500 SOUTH AND 1.42 METERS (4.66 FT) EAST OF A CONCRETE RIGHT-OF-WAY MARKER.



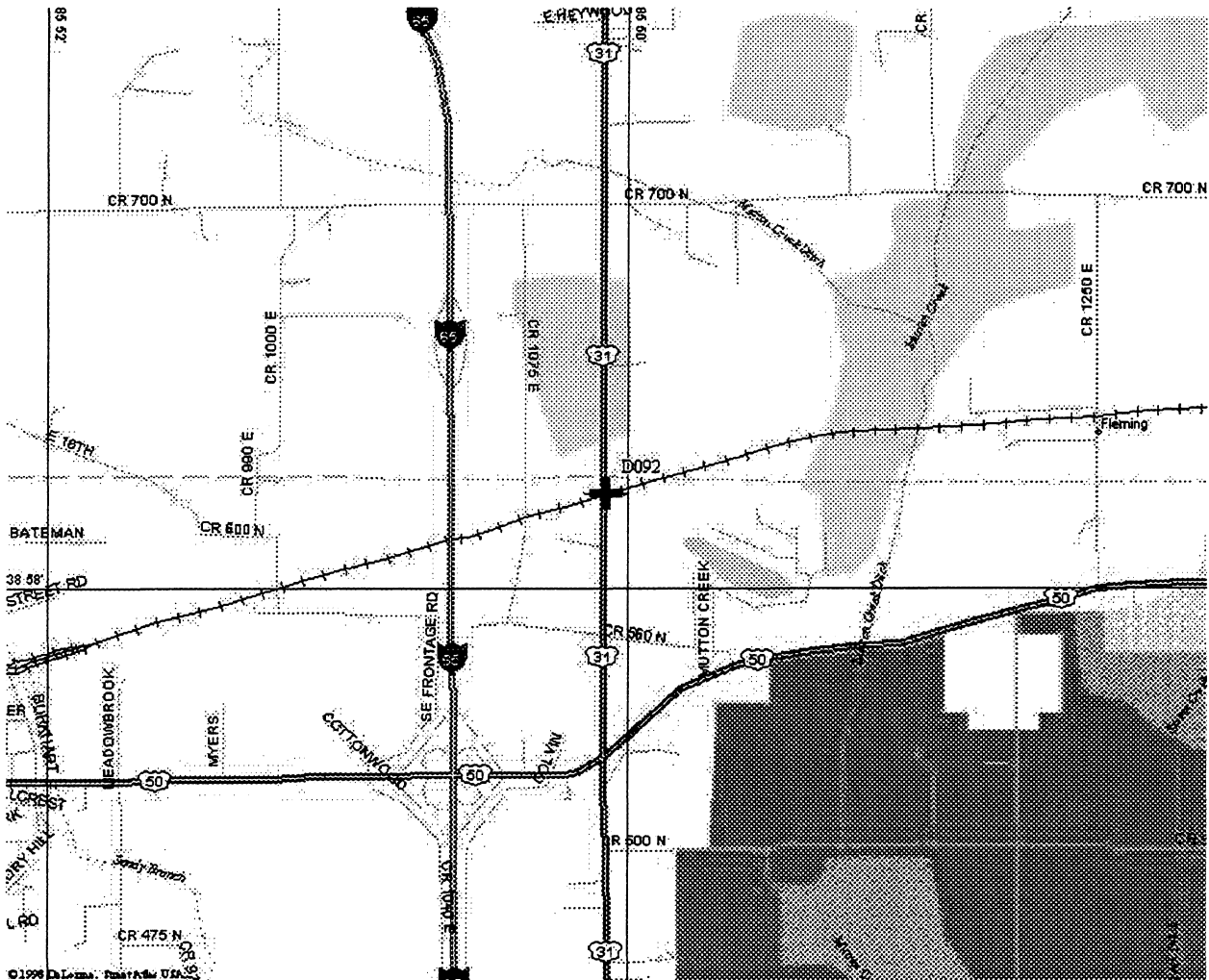
Designator D 92

4-Character ID D092

County JACKSON

Description and Location Map

DESCRIBED BY NATIONAL GEODETIC SURVEY 1988 THE STATION IS LOCATED ABOUT 19.3 KM (12.00 MI) WEST OF NORTH VERNON, 8.0 KM (4.95 MI) NORTHEAST OF SEYMOUR, 0.8 KM (0.50 MI) EAST FROM INTERSTATE HIGHWAY 65 AND ON RAILROAD RIGHT-OF-WAY. OWNERSHIP--UNABLE TO LOCATE OWNERSHIP FOR THIS STATION. TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAYS 50 AND 31, ABOUT 4.8 KM (3.00 MI) EAST OF SEYMOUR, GO NORTH ON U.S. HIGHWAY 31 FOR 0.8 KM (0.50 MI) TO A RAILROAD OVERPASS AND THE MARK ON TOP OF THE SOUTHEAST CORNER OF OVERPASS. THE STATION IS A STANDARD CGS BENCH MARK DISK STAMPED---D 92 1938---, SET IN THE SOUTHEAST CORNER OF CONCRETE HEADWALL ABOUT 5 INCHES LOWER THAN THE TRACKS. LOCATED 1.2 M (3.9 FT) SOUTH FROM SOUTH RAIL OF TRACKS AND ABOUT 7.6 M (24.9 FT) HIGHER THAN U.S. HIGHWAY 31. GPS SURVEY, FAA AIRPORTS, INDIANA. DESCRIBED BY D.A. BOWLING.



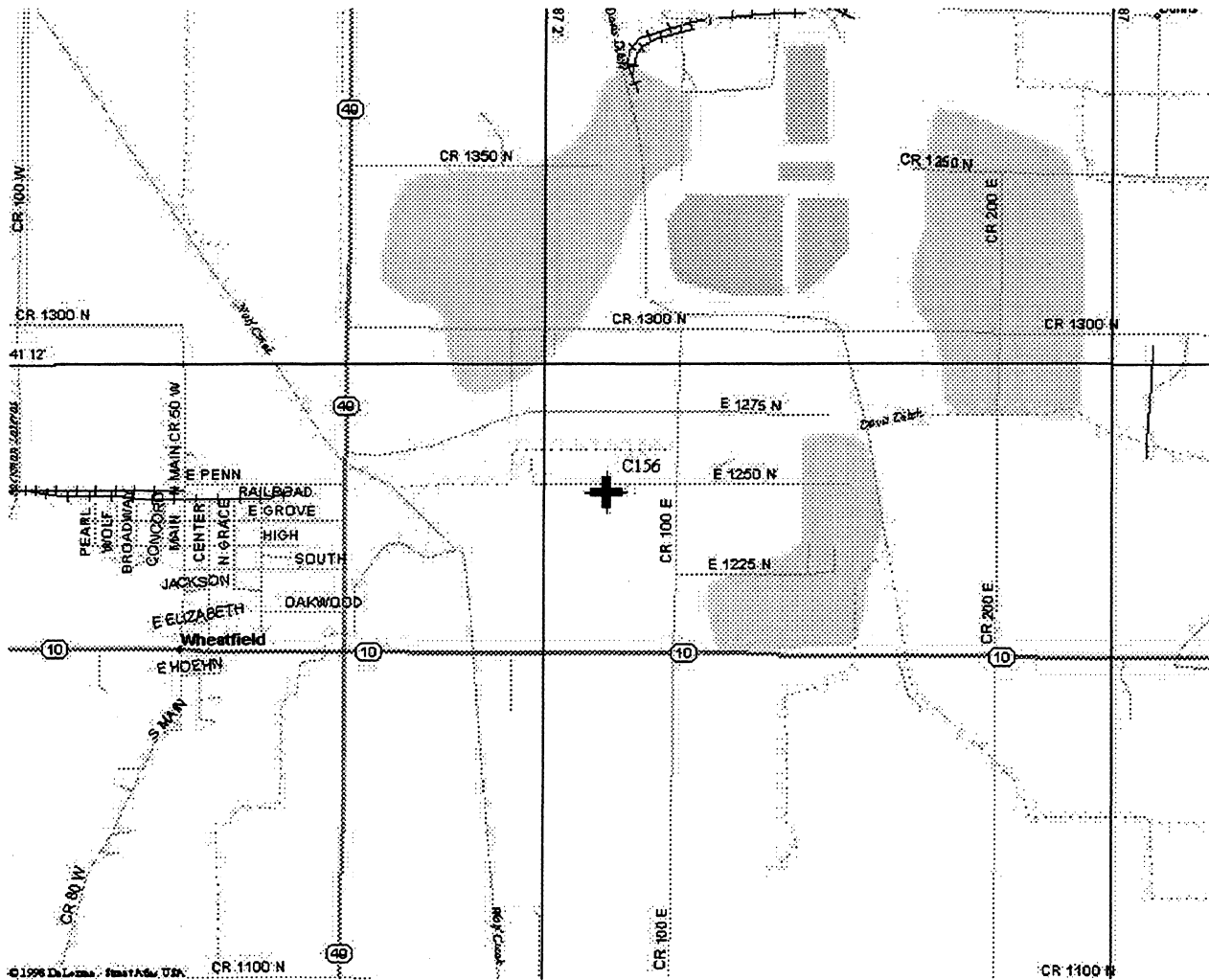
Designator C 156

4-Character ID C156

County JASPER

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED ABOUT 1.3 MILES (2.1 KM) EAST OF WHEATFIELD. FROM JUNCTION STATE ROAD 49 AND STATE ROAD 10, GO EAST 1 MILE (1.6 KM) TO COUNTY ROAD 100 EAST. TURN LEFT, NORTH FOR 0.5 MILE (0.8 KM) TO COUNTY ROAD 1250 NORTH. TURN LEFT, WEST (COUNTY ROAD PARALLELS TRACKS) FOR 0.3 MILES (0.5 KM) TO THE STATION ON SOUTH SIDE OF COUNTY ROAD, ON RAILROAD PROPERTY. LOCATED 0.80 METERS (2.62 FT) SOUTH OF COUNTY ROAD RIGHT-OF-WAY FENCE, 13.70 METERS (44.95 FT) NORTH OF NORTH RAIL OF RAILROAD TRACKS, 7.0 METERS (23.0 FT) SOUTH OF CENTERLINE OF COUNTY ROAD, SET IN TOP 25 CM SQUARE CONCRETE POST PROJECTING 13 CM ABOVE GROUND. ABOUT LEVEL WITH COUNTY ROAD, 33.5 EAST OF 0.30 P. OAK (TWIN). OWNERSHIP--U.S. RAILROAD VEST CORP, JMS BUILDING, SUITE 805, SOUTH BEND IN 46601.



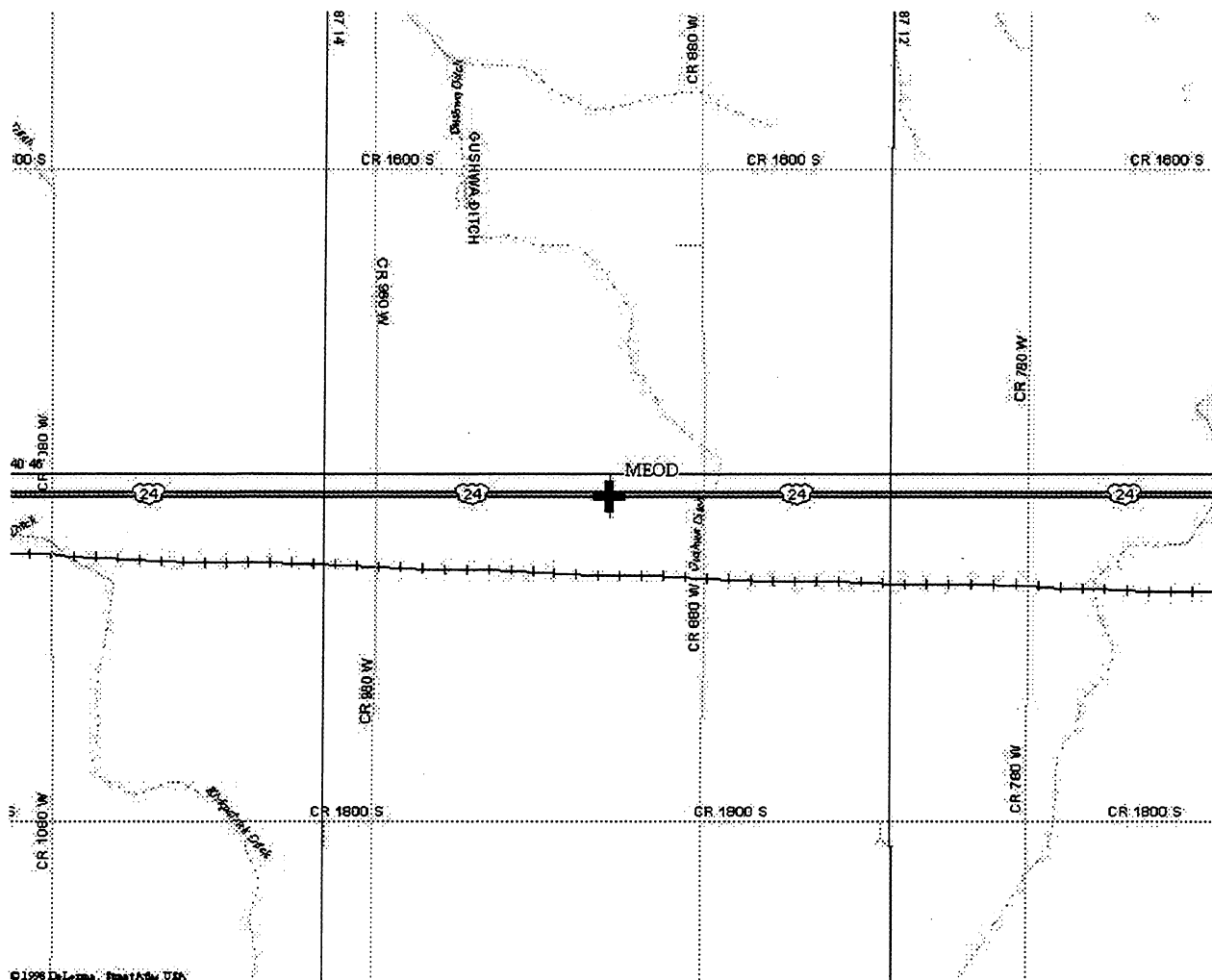
Designator MEODEL

4-Character ID MEOD

County JASPER

Description and Location Map

RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (JCB) DESCRIBED BY JASPER COUNTY SURVEYORS OFFICE 1998 (KRK). THE STATION IS 3.5 MI (5.6 KM) WEST OF THE INTERSECTION OF STATE ROUTE 231 AND STATE ROUTE 24 IN REMINGTON, 5.2 MI (8.4 KM) EAST OF THE INTERSECTION OF IROQUOIS STREET AND STATE ROUTE 24 IN GOODLAND, ON PROPERTY OF JERRY AND LINDA MARTIN, 9067 WEST HIGHWAY 24, GOODLAND 47948. TO REACH THE STATION FROM THE JUNCTION OF STATE ROUTE 231 AND STATE ROUTE 24 IN REMINGTON, PROCEED 3.5 MI (5.6 KM) WEST ON STATE ROUTE 24 TO THE STATION ON THE LEFT, WEST OF A GRAVEL DRIVE. THE STATION IS A STANDARD DISK SET IN A CONCRETE MONUMENT FLUSH WITH THE GROUND. THE STATION IS 2.5 FT (0.8 M) NORTH OF A CARSONITE SURVEY MARKER, 43 FT (13.1 M) SOUTHEAST OF A UTILITY POLE, 39 FT (11.9 M) WEST OF THE CENTERLINE OF A GRAVEL DRIVE, 42.5 FT (13.0 M) SOUTH OF THE CENTERLINE OF STATE ROUTE 24. REFERENCE MARK NO. 1 WAS NOT FOUND. REFERENCE MARK NO. 2 WAS FOUND IN GOOD CONDITION. THE AZIMUTH MARK WAS FOUND IN GOOD CONDITION.



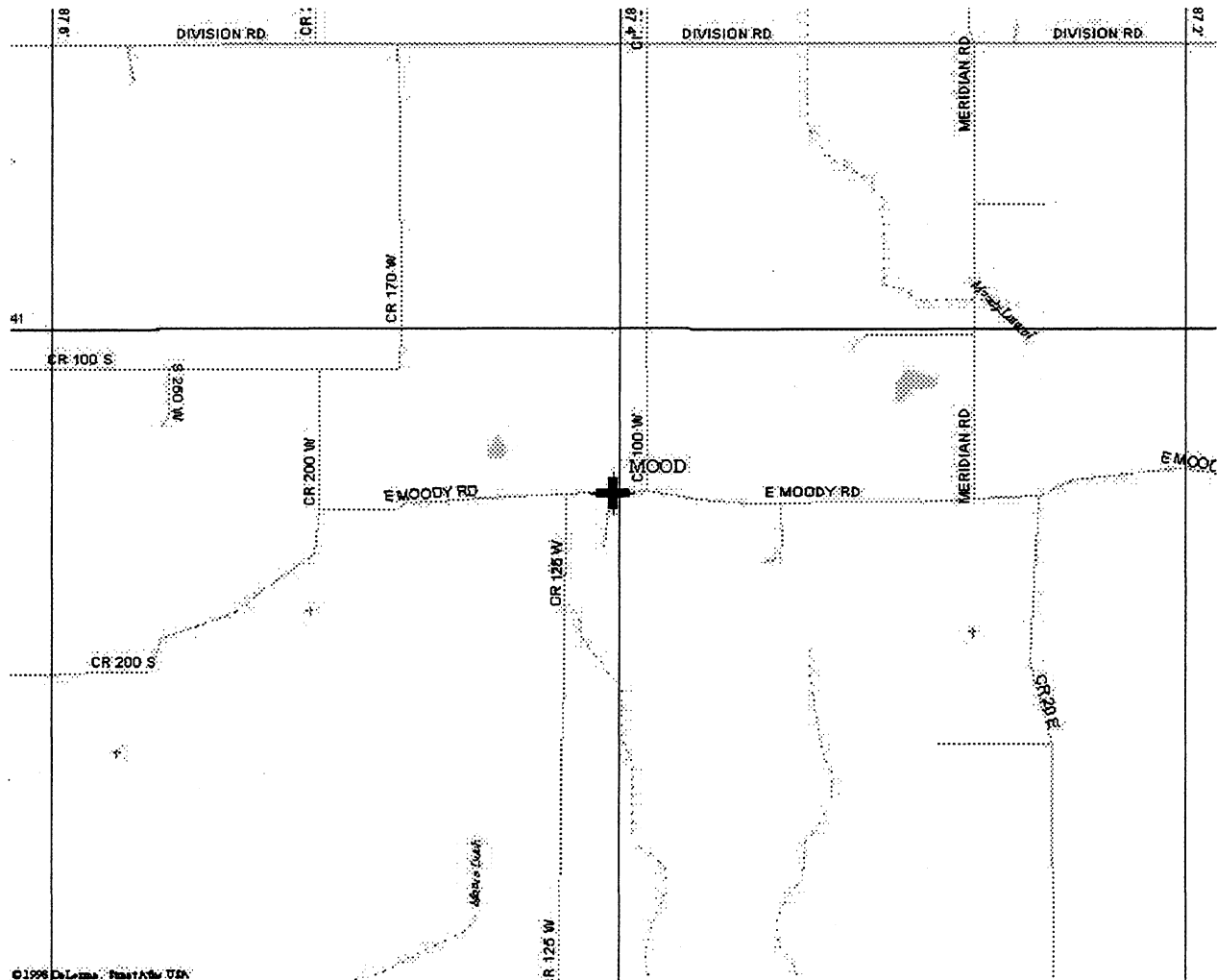
Designator MOODY

4-Character ID MOOD

County JASPER

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS 9 MILES (14.5 KM) WEST OF FRANCESVILLE, 6 MILES (9.7 KM) NORTHEAST OF RENSSELAER. TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAY 114 AND U.S. HIGHWAY 231 IN RENSSELAER, GO WEST ON STATE ROAD 114 FOR 4.0 MILES (6.4 KM) TO THE SETTLEMENT OF PLEASANT RIDGE AND COUNTY ROAD 150 WEST, TURN LEFT AND GO NORTH FOR 2.50 MILES (4.02 KM) TO A T-ROAD. TURN RIGHT AND GO EAST FOR 0.25 MILES (0.40 KM) TO COUNTY ROAD 125 WEST. TURN LEFT AND GO NORTH FOR 1.40 MILES (2.25 KM) TO AZIMUTH MARK ON LEFT. CONTINUE NORTH FOR 0.15 MILES (0.24 KM) TO A T-ROAD, MOODY ROAD. TURN RIGHT AND GO EAST FOR 0.15 MILES (0.24 KM) TO THE STATION ON LEFT. OWNERSHIP--DELOS AND VIRGINIA PULLING, 374 SOUTH 420 WEST, RENSSELAER IN 47978, PHONE 219-866-3543. LOCATED AT AZIMUTH 228 DEGREES 21.170 METERS (69.455 FT) TO PWP, AZIMUTH 104 DEGREES 24.60 METERS (80.71 FT) TO CONCRETE FENCE POST, AZIMUTH 180 DEGREES 13.42 METERS (44.03 FT) TO CENTERLINE OF ROAD, AZIMUTH 009 DEGREES 10.60 METERS (34.78 FT) TO 8 INCH STEEL POLE.



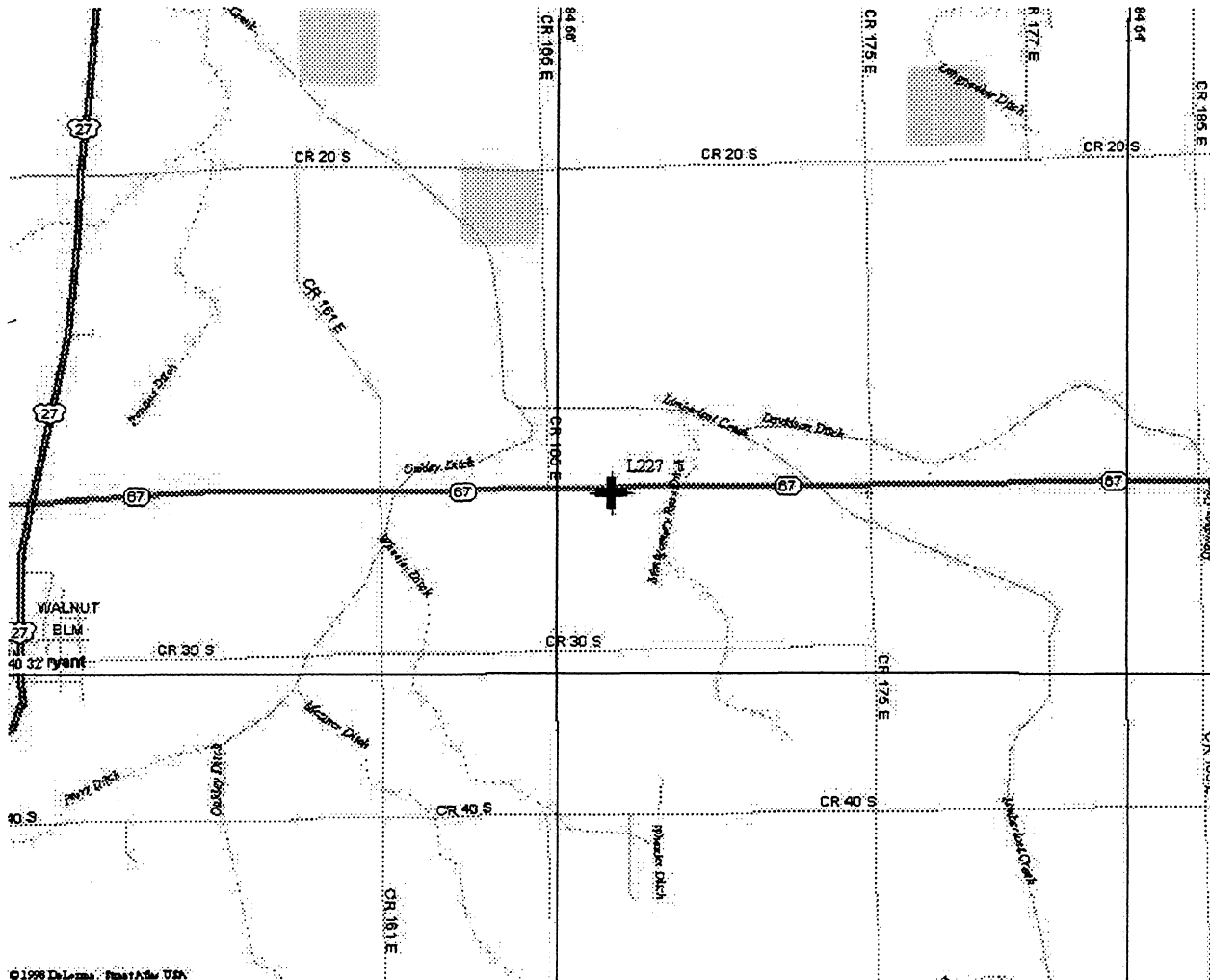
Designator L 227 RESET

4-Character ID L227

County JAY

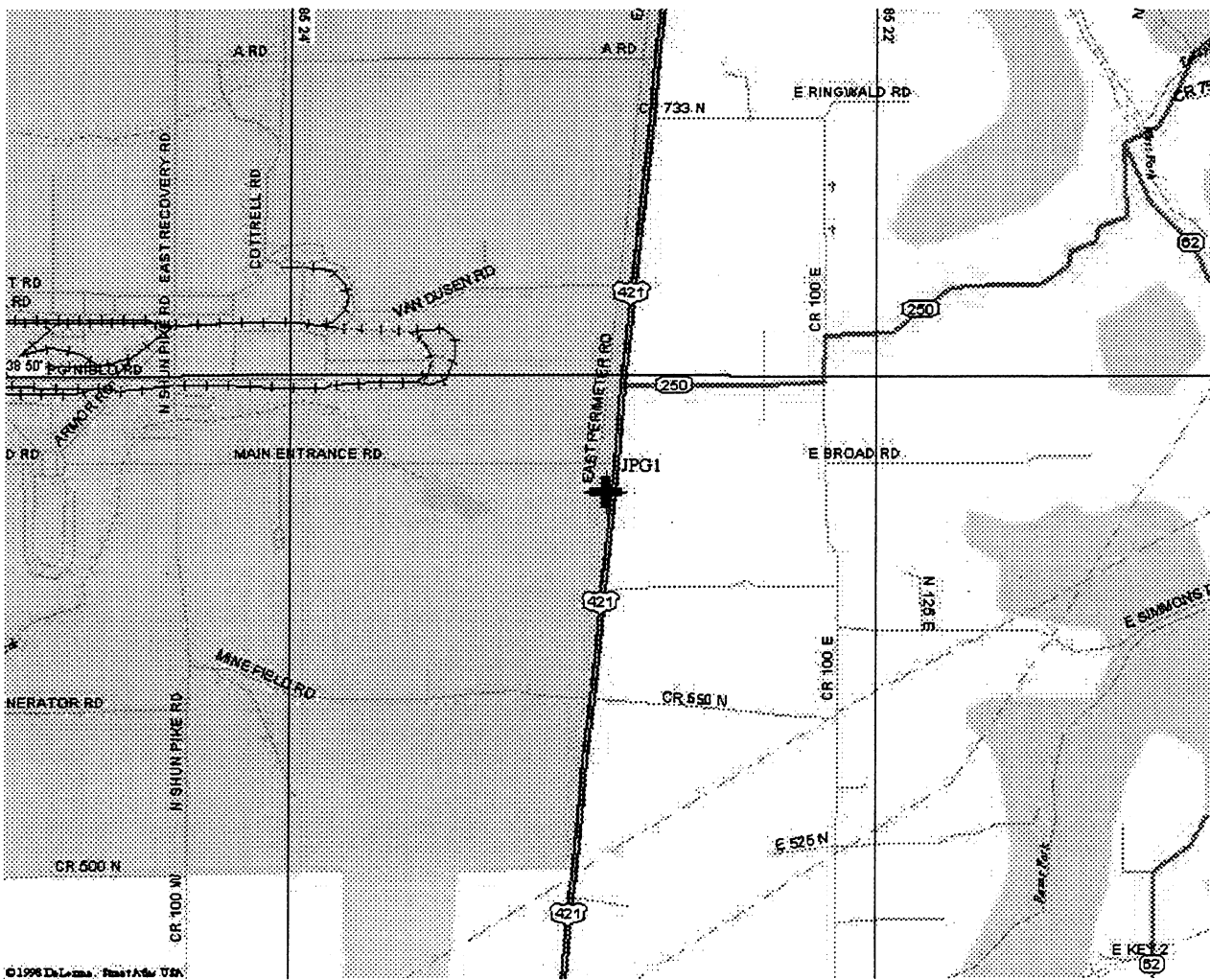
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED 2.3 MILES (3.7 KM) NORTHEAST OF BRYANT, 1.7 MILES (2.7 KM) EAST OF THE INTERSECTION OF U.S. HIGHWAY 27 AND STATE HIGHWAY 67 AND 0.6 MILES (1.0 KM) WEST OF LIMBERLOST BRIDGE. TO REACH THE STATION FROM THE INTERSECTION OF U.S. HIGHWAY 27 AND STATE HIGHWAY 67, GO EAST FOR 1.7 MILES (2.7 KM) TO THE STATION ON RIGHT. OWNERSHIP--HARLEY CAMPBELL, CARBONDALE CO 81623, PHONE 970-963-1880. THE STATION IS SET IN A ROUND CONCRETE MONUMENT FLUSH WITH GROUND. IT IS 74.68 METERS (245.01 FT) WEST OF THE CENTERLINE OF GRAVEL DRIVE, 25.60 METERS (83.99 FT) NORTHWEST OF THE NORTHWEST CORNER OF BARN, 14.32 METERS (46.98 FT) SOUTH OF THE CENTERLINE OF STATE HIGHWAY 67 AND 0.3 METERS (1.0 FT) EAST OF A POWER POLE.



Description and Location Map

DESCRIBED BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED IN STATION 35, T 5 N, R 10 E, AT JEFFERSON PROVING GROUND. TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 62 AND U.S. HIGHWAY 421, GO NORTHERLY FOR 3.1 MILES (5.0 KM) ON HIGHWAY 421 TO THE MAIN ENTRANCE OF JEFFERSON PROVING GROUND. GO THROUGH MAIN GATE, TURN SOUTH ON GRAVEL PERIMETER ROAD RUNNING PARALLEL TO HIGHWAY 421. GO APPROXIMATELY 500 FEET (152.4 M) TO THE STATION, ON WEST EDGE OF GRAVEL ROAD. THE STATION IS 2 FEET (0.6 M) WEST OF THE GRAVEL ROAD. THE STATION IS A STAINLESS STEEL ROD DRIVEN TO A DEPTH OF 3.7 METERS (12.1 FT) ENCASED IN A GREASED 30 INCH SLEEVE AND PROTECTED BY A 6 INCH PVC PIPE WITH ALUMINUM ACCESS COVER. THE ROD IS 4 1/4 INCHES BELOW THE ACCESS COVER. LOCATED 115.8 FEET (35.3 M) NORTHWEST OF A POWER POLE WHICH IS 10 FEET (3.0 M) WEST OF THE PERIMETER FENCE, 44.1 FEET (13.4 M) DUE WEST OF THE PERIMETER FENCE AND 2 FEET (0.6 M) SOUTH OF WITNESS POST.



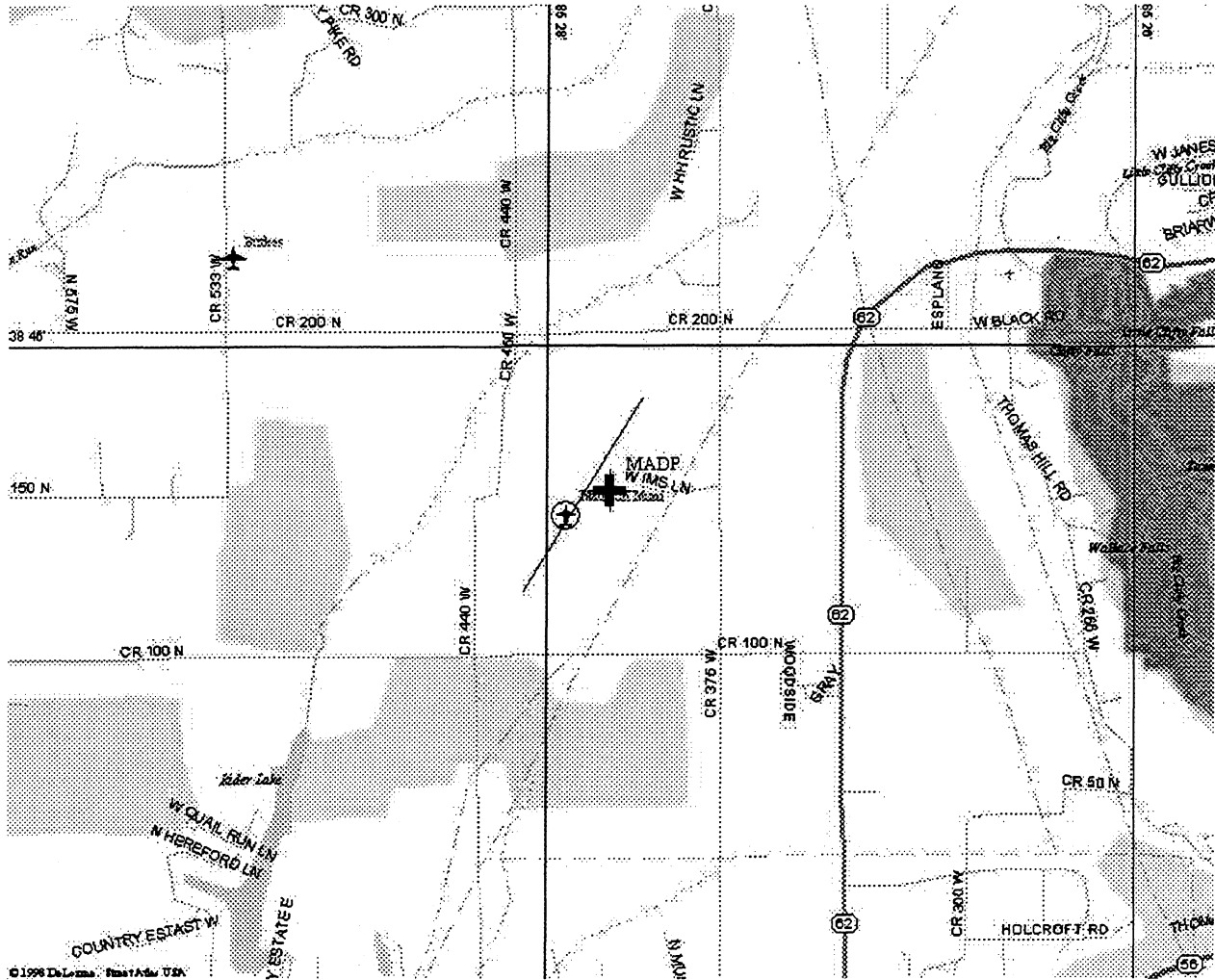
Designator MADP

4-Character ID MADP

County JEFFERSON

Description and Location Map

DESCRIBED BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED IN SECTION 25, T 4 N, R 9 E, AT THE MADISON MUNICIPAL AIRPORT, TO REACH THE STATION FROM THE INTERSECTION OF STATE ROADS 7 AND 62, GO WESTERLY ON STATE ROAD 62 FOR 2.1 MILES (3.4 KM) TO CHICKEN RUN ROAD (200 NORTH). TURN RIGHT, WEST AND GO 0.4 MILES (0.6 KM) TO THE INTERSECTION OF BERCHODING ROAD (375 WEST). GO SOUTH 0.5 MILES (0.8 KM) TO ENTRANCE OF AIRPORT. GO WEST ON AIRPORT ACCESS ROAD 0.3 MILES (0.5 KM) TO A GATE BETWEEN MAINTENANCE HANGER AND TERMINAL. STATION IS LOCATED APPROXIMATELY 350 FEET (106.7 M) WEST OF GATE, ON A GRASS KNOLL BETWEEN TWO DITCHES BETWEEN TARMAC AND TAXIWAY. THE MARK IS A STAINLESS STEEL ROD DRIVEN TO A DEPTH OF 12 FEET (3.7 M) ENCASED IN A GREASED 30 INCH SLEEVE AND PROTECTED BY A 6 INCH PVC PIPE WITH ALUMINUM ACCESS COVER. THE ROD IS 6 INCHES BELOW THE ACCESS COVER. LOCATED 447.5 FEET (136.4 M) SOUTHWEST OF THE WINDSOCK, 338 FEET (103.0 M) FROM THE WEST CORNER OF MAINTENANCE HANGAR BUILDING. 374 FEET (114.0 M) OFF OF THE WEST CORNER OF THE TERMINAL OFFICE BUILDING.



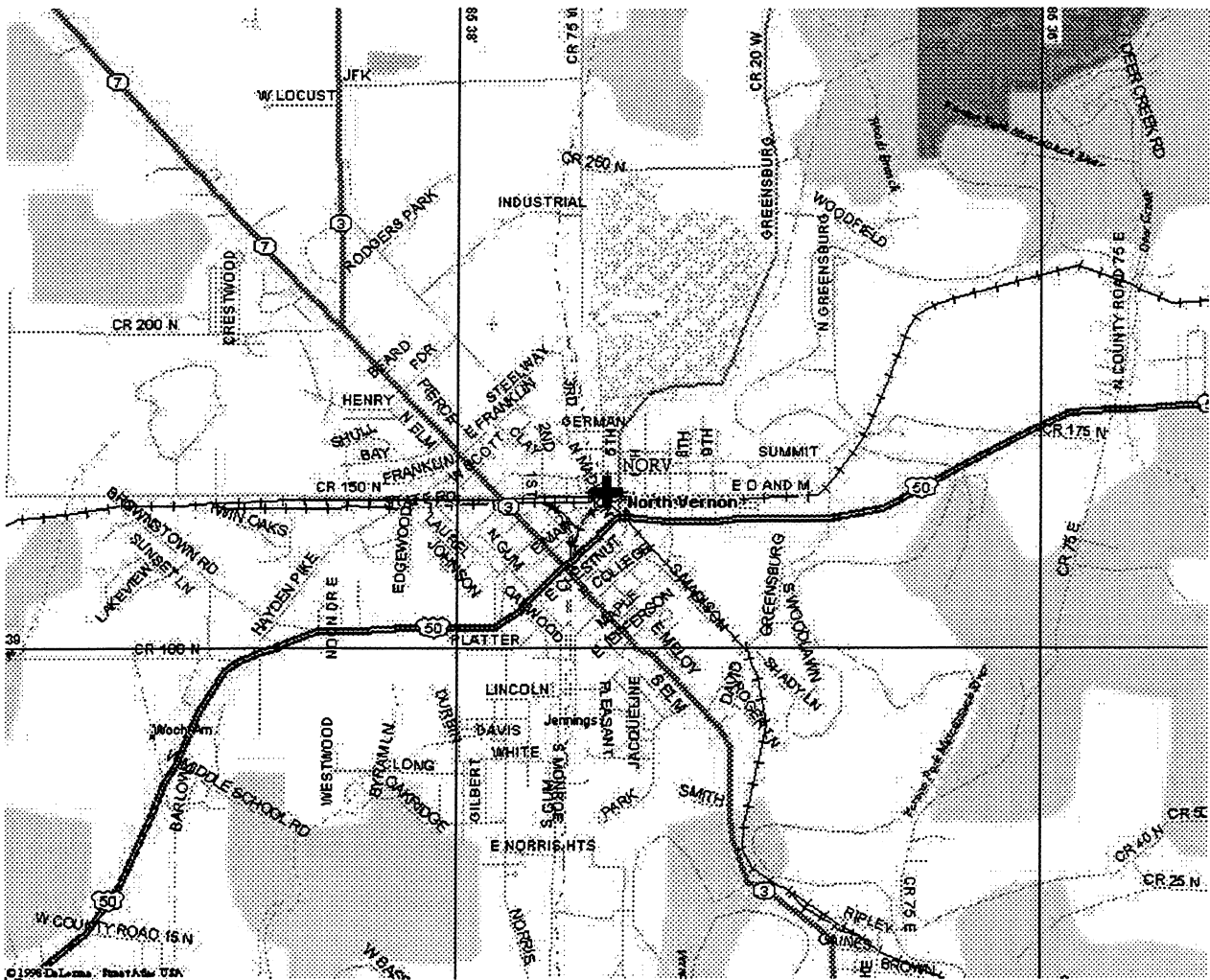
Designator NORTH VERNON

4-Character ID NORV

County JENNINGS

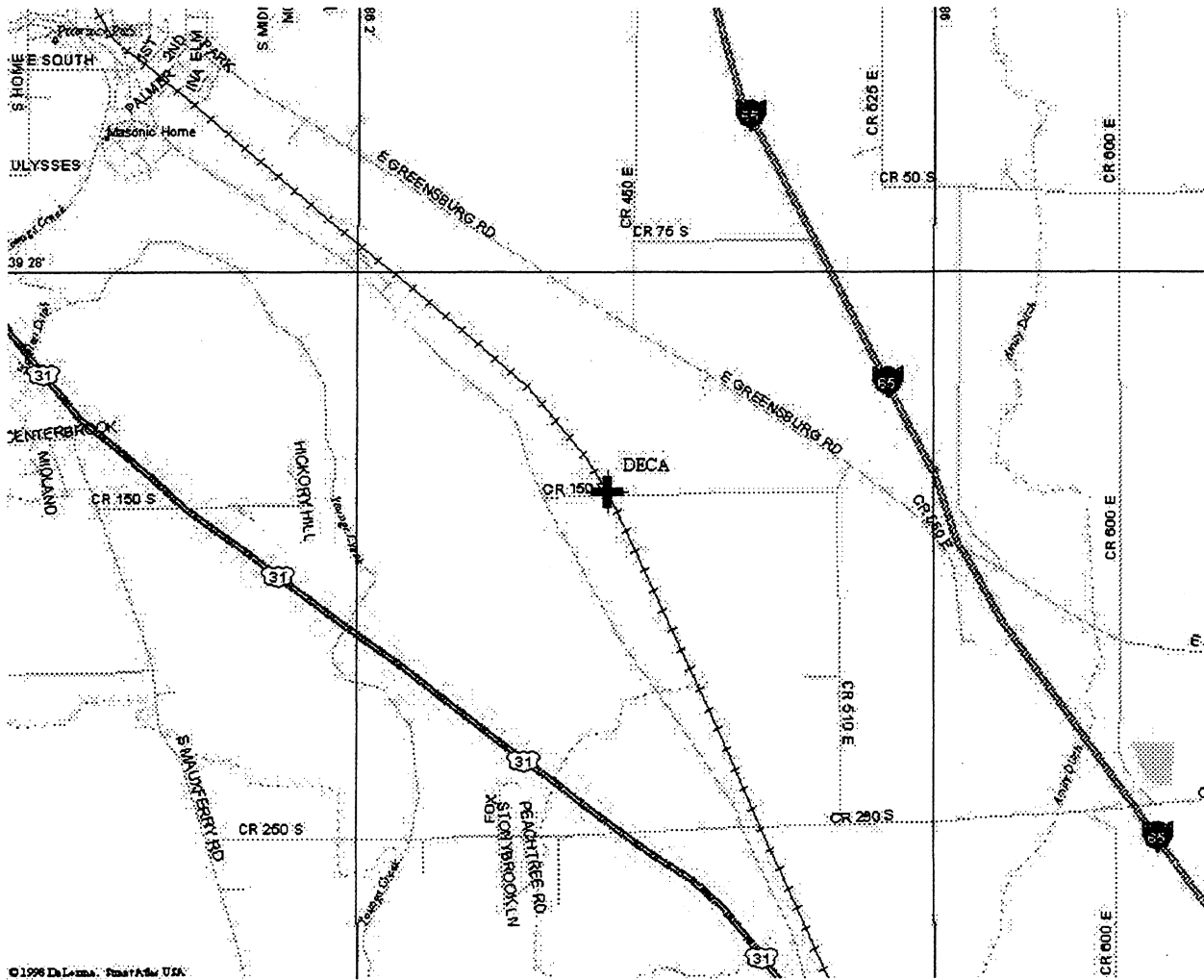
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS 20 MILES (32.2 KM) SOUTHEAST OF COLUMBUS, 14 MILES (22.5 KM) NORTHEAST OF SEYMOUR AND 7 MILES (11.3 KM) SOUTHWEST OF BUTLERVILLE. TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 50 AND STATE ROAD 7, GO NORTH ON STATE ROAD 7 FOR 0.05 MILES (0.08 KM) TO A ROAD, MAIN STREET. TURN RIGHT AND GO EAST FOR 0.20 MILES (0.32 KM) TO MADISON STREET. TURN LEFT AND GO NORTH FOR FEET TO STATION ON RIGHT. THE STATION IS IN THE RIGHT-OF-WAY OF THE CSX RAILROAD. LOCATED AT AZIMUTH 217 DEGREES 29.90 METERS (98.10 FT) TO CENTERLINE OF ROAD, AZIMUTH 133 DEGREES 28.15 METERS (92.36 FT) TO NORTHWEST CORNER OF OLD RAILROAD DEPOT, AZIMUTH 237 DEGREES 22.06 METERS (72.38 FT) TO RAILROAD CROSSING LIGHT, AZIMUTH 282 DEGREES 16.97 METERS (55.68 FT) TO RAILROAD CROSSING SIGN, AZIMUTH 102 DEGREES 3.67 METERS (12.04 FT) TO A 6-INCH STEEL POLE.



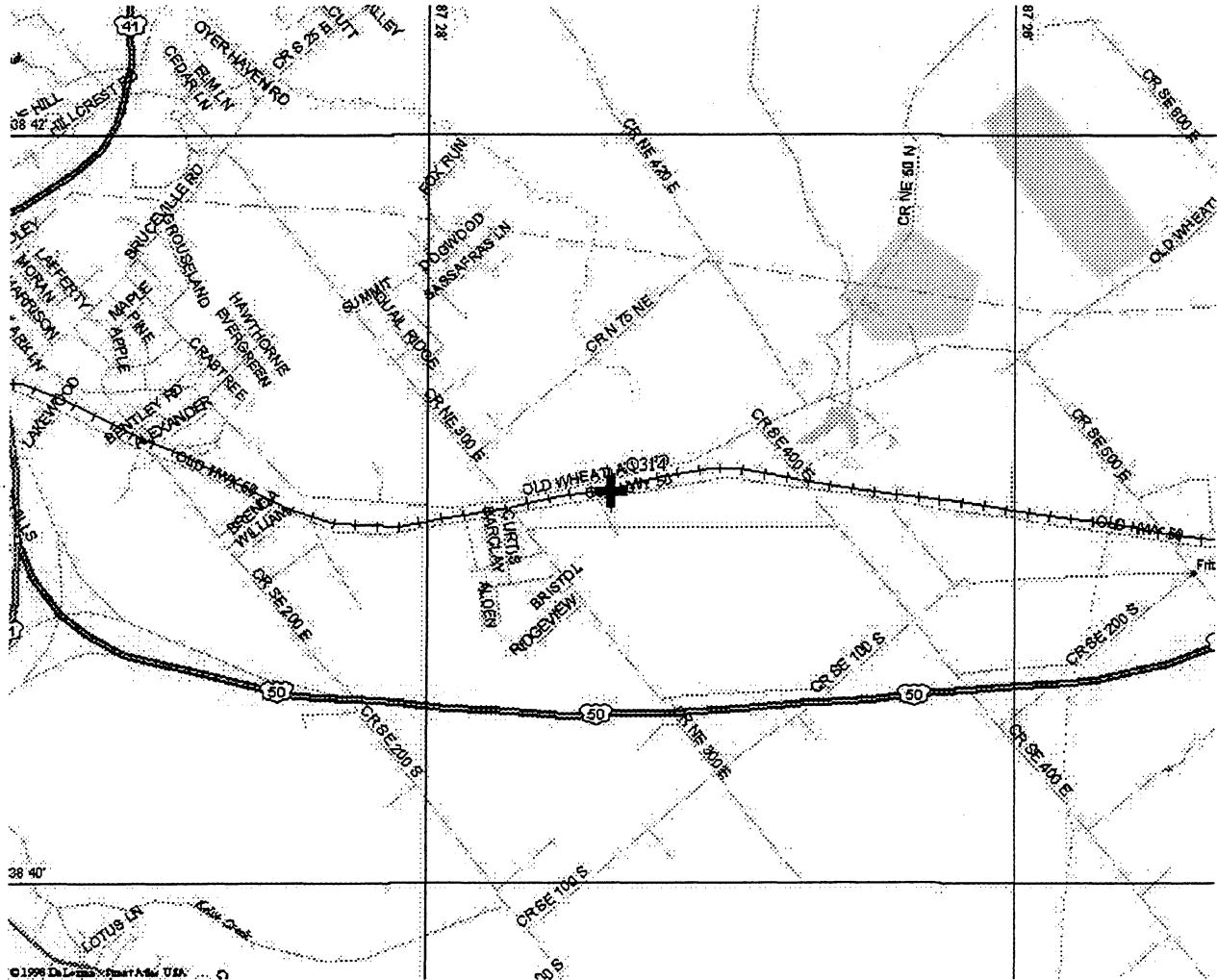
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED ABOUT 2.5 MILES (4.0 KM) SOUTHEAST OF JOHNSON COUNTY C.H. IN FRANKLIN. FROM JUNCTION OF INTERSTATE HIGHWAY 65 AND STATE ROAD 44, GO WEST ON STATE ROAD 44 FOR 1.5 MILES (2.4 KM) TO SOUTH BEND STATE ROAD 44, TURN LEFT (SOUTH WING) STATE ROAD 44 AND GO 0.2 MILES (0.3 KM) TO EAST MONROE STREET, TURN RIGHT, WEST ON STATE ROAD 44 FOR 0.25 MILES (0.40 KM) TO STATE STREET AND TURN LEFT, SOUTH, PASSING FRANKLIN COLLEGE ON LEFT AND GO 2.2 MILES (3.5 KM) ON STATE STREET/COUNTY ROAD IN A SOUTHEASTERLY DIRECTION TO COUNTY ROAD 150 SOUTH, TURN LEFT, EAST ON COUNTY ROAD 150 SOUTH AND GO 0.2 MILES (0.3 KM) TO RAILROAD AND STATION ON LEFT IN THE NORTHEAST QUADRANT. LOCATED 3.4 METERS (11.2 FT) EAST OF THE EAST RAILROAD RAIL, 4.9 METERS (16.1 FT) NORTH OF THE NORTHWEST CORNER OF A WOOD RAILROAD SIGN POST AND 22.5 METERS (73.8 FT) NORTHWEST OF A POWER POLE ON THE SOUTH SIDE OF THE ROAD. OWNERSHIP-- LOUISVILLE AND INDIANA RAILROAD. CONTACT JOHN SECOR AT 812-288-0940 24 HOURS IN ADVANCE.



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) 5.80 KM (3.60 MI) EAST OF VINCENNES. AT JUNCTION OF U.S. HIGHWAY 50 AND U.S. HIGHWAY 150 EAST AND U.S. HIGHWAY 41 IN VINCENNES, HEADING EAST TOWARD WASHINGTON, GO 3.22 KILOMETERS (2.00 MI) TO NORTHEAST 300 STREET. TURN LEFT, NORTH AND GO 1.21 KILOMETERS (0.75 MI) TO FIRST STOP SIGN SOUTH OF RAILROAD TRACKS. THIS IS OLD U.S. HIGHWAY 50. TURN RIGHT, EAST ON OLD U.S. HIGHWAY 50 AND GO 0.48 KILOMETER (0.30 MI) EAST TO THE STATION, 10.80 METERS (35.43 FT) NORTH OF CENTER OF OLD HIGHWAY 50, 9.88 METERS (32.41 FT) SOUTH OF INSIDE SOUTH RAIL, 29.80 METERS (97.77 FT) NORTHWEST OF TELEPHONE POLE 26 (AT TOP OF POLE NORTHWEST SIDE), 9.30 METERS (30.51 FT) WEST OF CENTER OF TELEPHONE POLE, 30.00 METERS (98.42 FT) SOUTHWEST OF MILE MARKER 185 AND 27.30 METERS (89.57 FT) SOUTH OF THE CENTER OF OLD WHEATLAND ROAD. OWNERSHIP--CHESSIE SYSTEM RAILROAD. STATION IS SET IN THE TOP OF A 30 CM ROUND CONCRETE POST PROJECTING 10 CM ABOVE GROUND. LOCATED 0.52 METER (1.71 FT) NORTH OF A METAL WITNESS POST, LEVEL WITH OLD HIGHWAY 50, 0.61 METER (2.00 FT) BELOW LEVEL OF RAILROAD TRACKS. THE STATION IS LOCATED ABOUT 22.54 KILOMETERS (14.00 MI) WEST OF WASHINGTON, 57.74 KILOMETERS (35.85 MI) SOUTHEAST OF SULLIVAN, OR 43.47 KILOMETERS (27.00 MI) NORTHEAST OF PRINCETON.



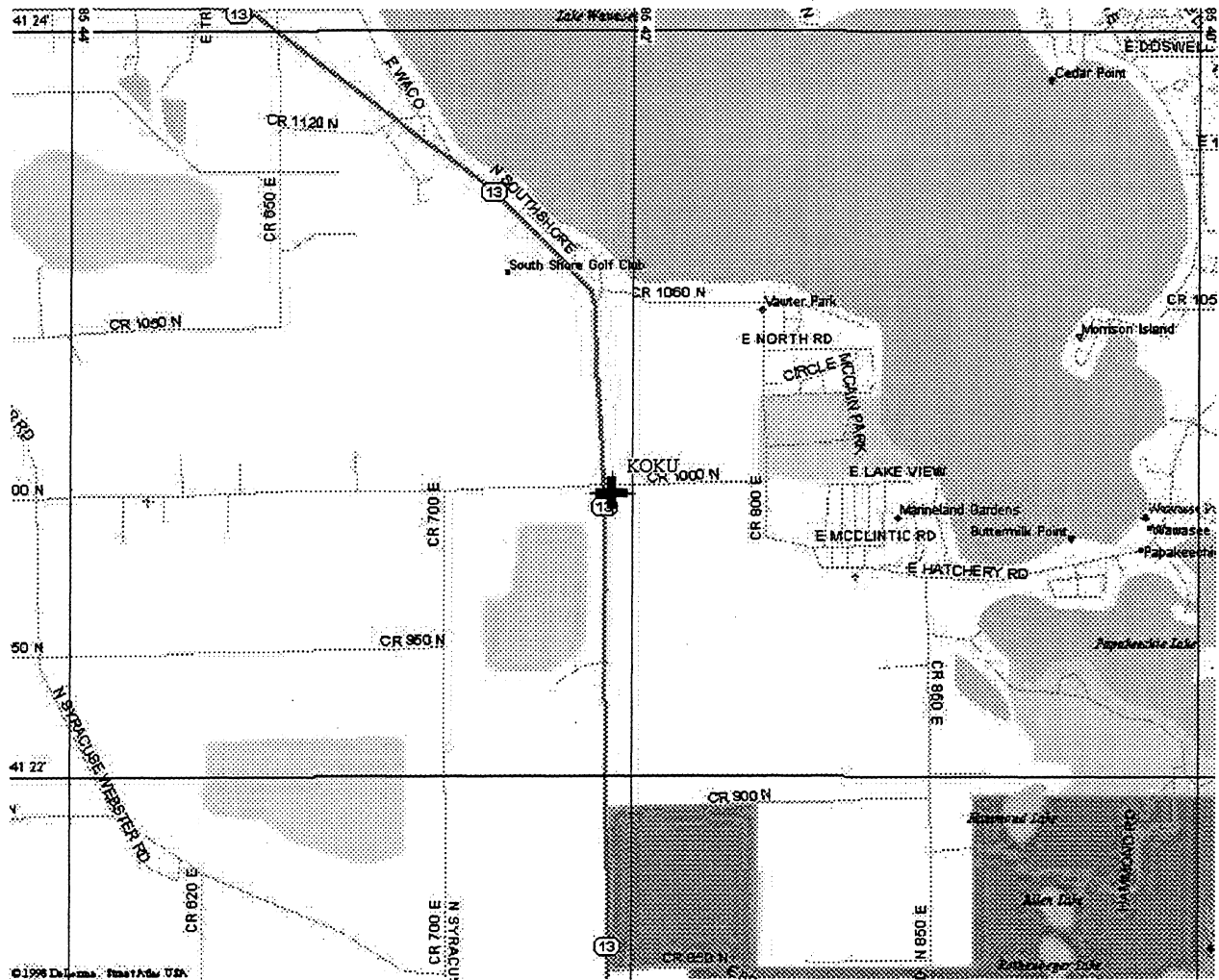
Designator KOKU

4-Character ID KOKU

County KOSCIUSKO

Description and Location Map

DESCRIBED BY WOOLPERT CONSULTANTS 1998 (BBS) DESCRIBED BY WOOLPERT LLP 1998 (BBS). STATION IS LOCATED 3.6 MI (5.8 KM) NORTH OF NORTH WEBSTER, 4 MI (6.4 KM) SOUTHEAST OF SYRACUSE, AND IN THE NORTHWEST CORNER OF THE LAWN OF THE WAWASEE MIDDLE SCHOOL. TO REACH THE STATION FROM THE INTERSECTION OF WASHINGTON STREET AND STATE ROUTE 13 IN NORTH WEBSTER, PROCEED 3.4 MI (5.5 KM) NORTH ON STATE ROUTE 13 TO THE WAWASEE MIDDLE SCHOOL, CONTINUE ON STATE ROUTE 13 FOR AN ADDITIONAL 0.2 MI (0.3 KM) TO THE INTERSECTION OF STATE ROUTE 13 AND COUNTY ROAD 1000N AND THE STATION ON THE RIGHT, IN THE SOUTHEAST QUADRANT OF THE INTERSECTION. THE STATION IS A STAINLESS STEEL ROD DRIVEN INTO THE GROUND, STAMPED--KOKU 1998--. IT IS SURROUNDED BY A 0.12 M (0.39 FT) DIA PVC PIPE ENCASED IN CONCRETE. THE STATION IS LOCATED 69.2 M (227.0 FT) NORTHWEST OF THE NORTHWEST CORNER OF THE WAWASEE MIDDLE SCHOOL, 20.2 M (66.3 FT) FROM A CONCRETE RIGHT OF WAY POST EAST OF STATE ROUTE 13, 17.8 M (58.4 FT) FROM A CONCRETE RIGHT OF WAY POST SOUTH OF COUNTY ROAD 1000N, 28.1 M (92.2 FT) SOUTH OF THE CENTERLINE OF COUNTY ROAD 1000N, AND 0.5 M (1.6 FT) SOUTH OF A KOSCIUSKO COUNTY SURVEYORS WITNESS POST.



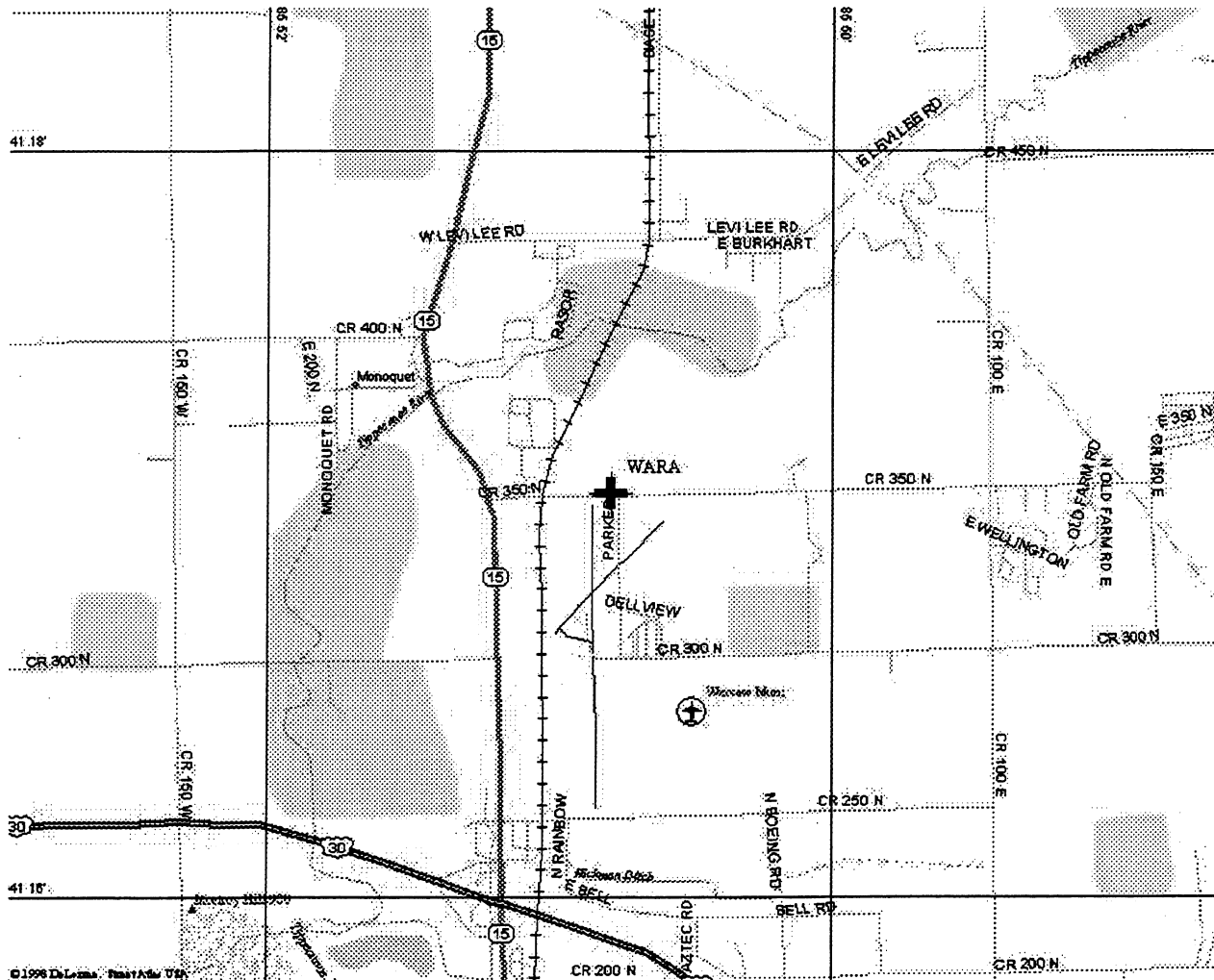
Designator WARPORT AZ MK

4-Character ID WARA

County KOSCIUSKO

Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993 (RHK) 2.0 KM (1.25 MI) NORTHERLY ALONG STATE HIGHWAY 15 FROM THE JUNCTION OF U.S. HIGHWAY 30 IN WARSAW, THENCE 0.6 KM (0.35 MI) EASTERLY ALONG COUNTY ROAD 350 NORTH, 0.6 KM (0.35 MI) NORTH OF THE WARSAW MUNICIPAL AIRPORT OFFICE AND AT THE NORTH END OF THE NORTH-SOUTH RUNWAY, 104.5 M (342.8 FT) EAST-SOUTHEAST OF BENCH MARK D 369, 85.0 M (278.9 FT) NORTHEAST OF THE CENTERLINE OF THE RUNWAY, 8.2 M (26.9 FT) SOUTH OF THE CENTERLINE OF THE ROAD, 2.7 M (8.9 FT) WEST OF A FENCE, 1.4 M (4.6 FT) SOUTH OF A WITNESS POST AND FENCE, AND 0.3 BELOW THE LEVEL OF THE ROAD. NOTE--ACCESS TO THE DATUM POINT IS THROUGH A 5-INCH LOGO CAP, SLEEVE LENGTH DOES NOT MEET CLASS A REQUIREMENTS, ROD DEPTH IS UNAVAILABLE.



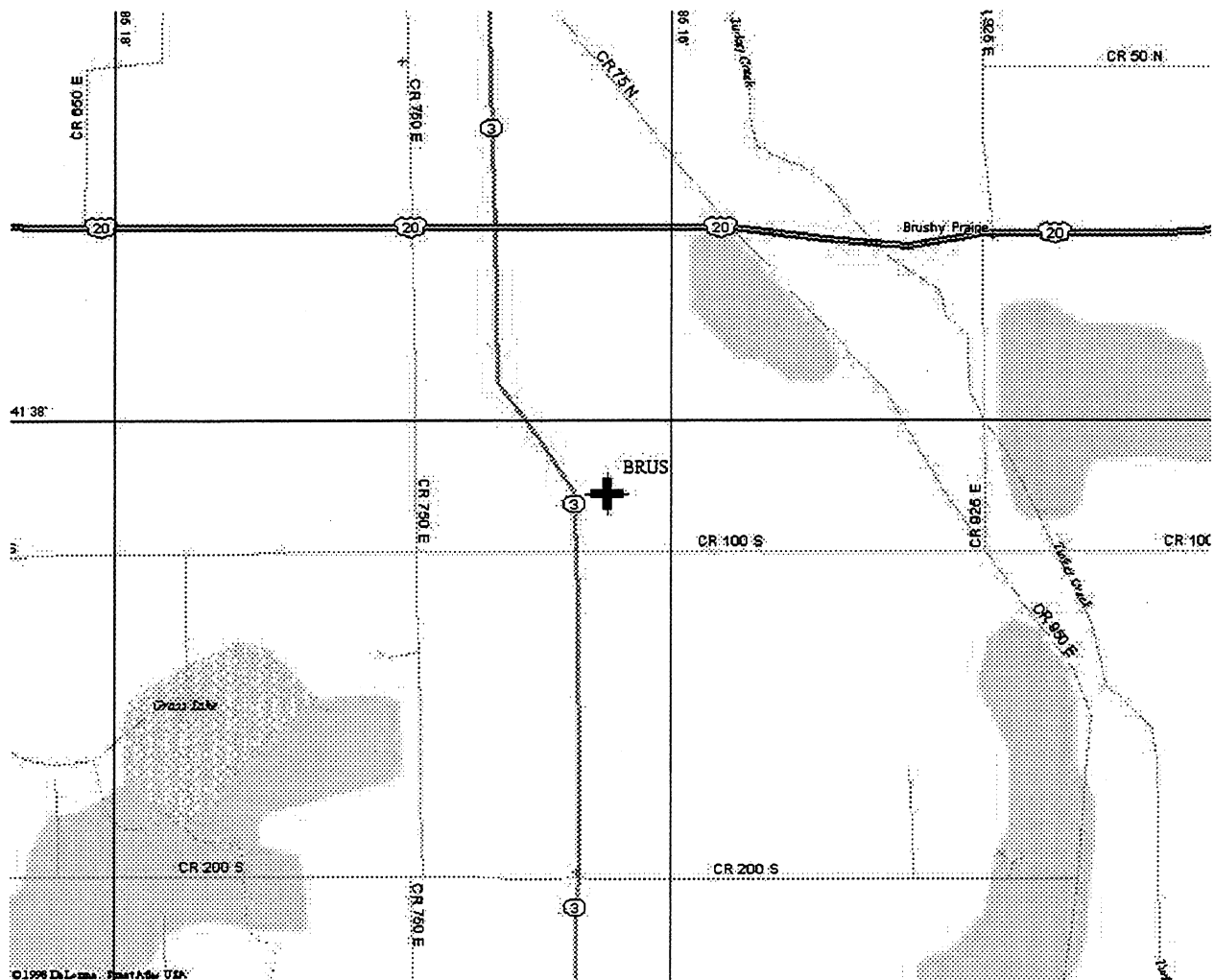
Designator BRUSHY

4-Character ID BRUS

County LAGRANGE

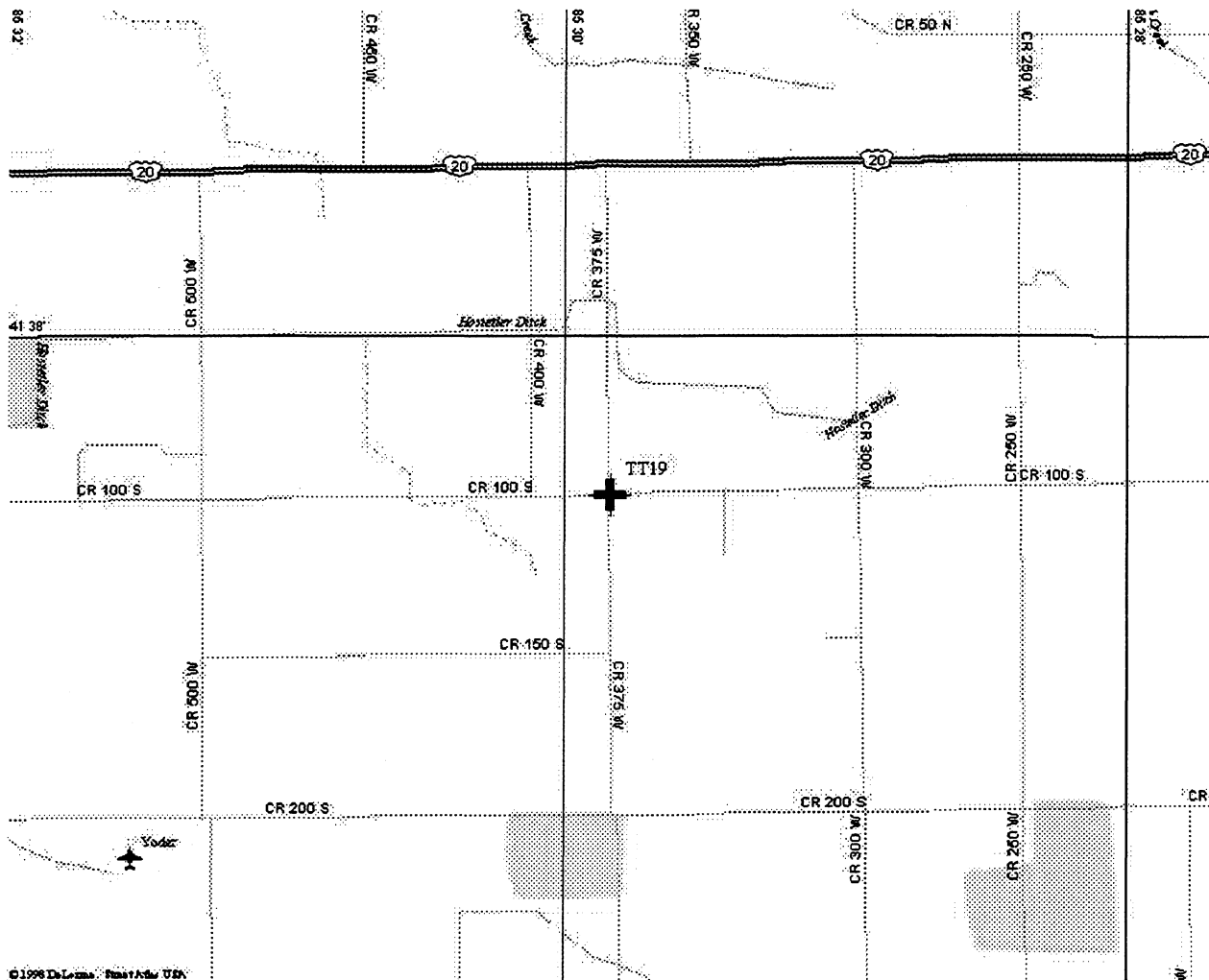
Description and Location Map

RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1960 (ALW) RECOVERED ALL MARKS, EXCEPT DESTROYED R.M. NO. 2, IN GOOD CONDITION AS DESCRIBED EXCEPT BARN IS REMOVED. REFERENCE MARK NO. 3 WAS SET AT THIS TIME. ABOUT 6.5 MILES N OF SOUTH MILFORD, ABOUT 1.2 MILES S ALONG NO. 3 INDIANA HIGHWAY FROM ITS CROSSING WITH NO. 20 U.S. HIGHWAY, AT THE SE ONE OF TWO HWY. CURVES, AN ESTIMATED 150 YARDS E OF THE HIGHWAY, IN THE BARNYARD OF MR. BOB NOTESTINE, 253 FEET E OF SE CORNER OF THE SOUTHERLY ONE OF SEVERAL BARNs, 13 FEET N OF PROJECTED PLANE OF S WALL OF SAME, 69 FEET S OF ONE FENCE, 57 FEET W OF ANOTHER, AND 28 FEET N OF ANOTHER, STANDARD DISKS STAMPED BRUSHY 1946, NOTES 1A AND 7A WITH THE UPPER MARK FLUSH WITH THE GROUND. REFERENCE STAMPED BRUSHY NO 1 1946, NOTE 11A, PROJECTS 0.4 FOOT, IS 24.747 METERS OR 81.19 FEET NE IN AZIMUTH 221 DEG. 36 MIN. FROM THE STATION, 1 FOOT W OF A FENCE, AND 10 FEET S OF THE PROJECTED LINE OF THE N FENCE OF THE BARNYARD. REFERENCE STAMPED BRUSHY NO. 3 1946 1960, NOTE 11B, PROJECTS 0.5 FOOT, IS 22.327 METERS OR 73.25 FEET NNW IN AZIMUTH 153 DEG. 31 MIN. FROM THE STATION, 77-1/2 FEET E OF A 5-INCH IRON PIPE GATEPOST, AND A FOOT S OF A FENCE. AZIMUTH STAMPED BRUSHY 1946, NOTE 16A, PROJECTS 0.2 FOOT, IS ABOUT 0.25 MILE SSW OF THE STATION, 26-1/2 FEET W OF CENTER LINE OF 20-FOOT ASPHALT PAVEMENT OF NO. 3 HWY., 23 FEET S OF CENTER LINE OF E-W ASPHALT ROAD, AND 5 FEET W OF STEEL WITNESS POST. THE ARROW POINTS AN ESTIMATED 15 DEGREES TO THE RIGHT OF THE STATION.



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS LOCATED ABOUT 4 MILES (6.4 KM) WEST-SOUTHWEST OF LAGRANGE, IN THE SOUTHWEST CORNER OF A GRAVEL CROSSROADS. IT IS 30 FEET (9.1 M) SOUTH OF THE CENTER OF 100 SOUTH, 20 FEET (6.1 M) WEST OF THE CENTER OF 375 WEST, 7 FEET (2.1 M) SOUTH OF A FENCE AND 2 FEET (0.6 M) WEST OF A FENCE. OWNERSHIP--MR. BONTREGGER WHO CAN BE REACHED AT THE FARMHOUSE TO THE SOUTH OF THE POINT ALONG COUNTY ROAD 375 WEST. TO REACH THE STATION FROM THE JUNCTION OF US HIGHWAY 20 AND HIGHWAY 9 IN LAGRANGE, GO WEST OF HIGHWAY 20 FOR 4.2 MILES (6.8 KM) TO 375 WEST, TURN LEFT AND CONTINUE SOUTH FOR 1 MILE (1.6 KM) TO 100 SOUTH. THE STATION IS IN THE SOUTHWEST CORNER OF THIS INTERSECTION.



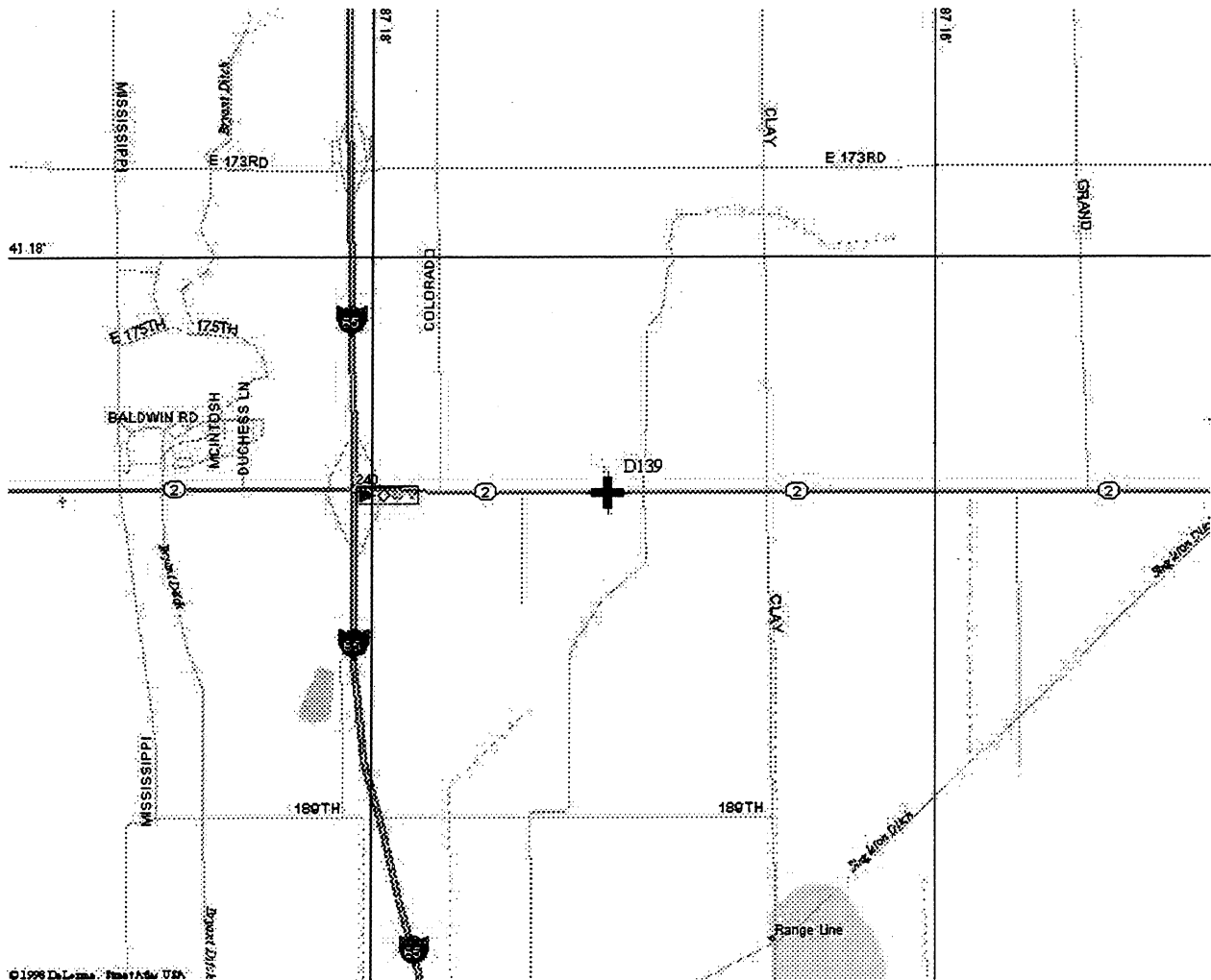
Designator D 139

4-Character ID D139

County LAKE

Description and Location Map

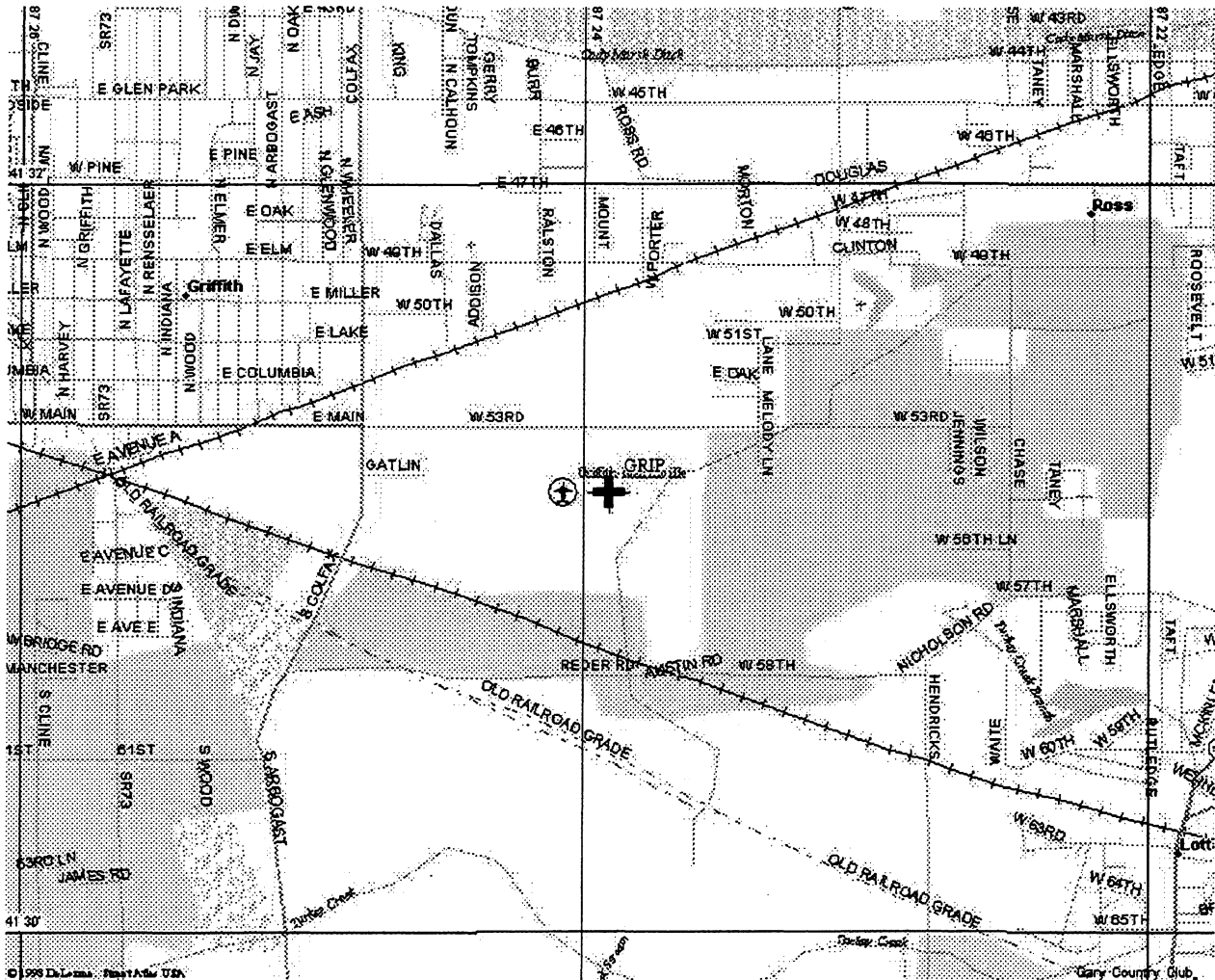
RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED 7 MILES (11.3 KM) SOUTHWEST OF HEBRON, 0.8 MILES (1.3 KM) EAST OF INTERSTATE 65 AND 0.4 MILES (0.6 KM) EAST OF DINWIDDIE. TO REACH THE STATION FROM THE INTERCHANGE OF INTERSTATE 65 AND HIGHWAY 2, GO EAST ON STATE HIGHWAY 2 FOR 0.8 MILES (1.3 KM) TO THE STATION ON LEFT, IN THE RIGHT-OF-WAY OF STATE HIGHWAY 2. OWNERSHIP--INDIANA DEPARTMENT OF TRANSPORTATION, 100 N. SENATE AVENUE, ROOM 1101, STATE OFFICE BUILDING, INDIANAPOLIS IN 46204, HENRY ALDRIDGE, PHONE 317-232-6764. THE STATION IS SET IN A ROUND CONCRETE MONUMENT. IT IS 76.18 METERS (249.93 FT) EAST OF A PK NAIL IN POWER POLE 807-445, 31.65 METERS (103.84 FT) NORTHEAST OF A PK NAIL IN BILLBOARD SIGN POST WITH INDOT PLATE R03728, 19.1 METERS (62.7 FT) SOUTH OF A PK NAIL IN SERVICE POLE, 9.6 METERS (31.5 FT) NORTH OF STATE HIGHWAY 2, 7.9 METERS (25.9 FT) EAST OF A GRAVEL DRIVE LEADING TO THE HOFFMAN RESIDENCE AND 2.18 METERS (7.15 FT) NORTHWEST OF A PK NAIL IN POWER POLE 807-446.



©1998 DeLima, PhotoScan USA

Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED IN THE TOWN OF GRIFFITH, AT THE GRIFFITH AIRPORT, NEAR THE WEST-SOUTHWEST EDGE OF THE ROUND CONCRETE WINDSOCK FOUNDATION PAD. OWNERSHIP--GREAT NORTHERN AIRCRAFT, INC., 1705 EAST MAIN STREET, GRIFFITH IN 46319. AIRPORT MANAGER IS GREG GOLDSMITH, PHONE 219-924-0207. TO REACH THE STATION FROM THE JUNCTION OF MAIN AND BROAD STREETS IN GRIFFITH, ABOUT 3.8 KM (2.35 MI) EAST OF U.S. HIGHWAY 41, GO EAST FOR 2.41 KM (1.50 MI) ON MAIN STREET TO THE AIRPORT ENTRANCE ON THE RIGHT. TURN RIGHT, SOUTH FOR 0.16 KM (0.10 MI) ALONG ENTRANCE TO THE AIRPORT OFFICE ON THE LEFT. FROM THE WEST SIDE OF THE OFFICE, GO SOUTHERLY FOR 0.24 KM (0.15 MI) ACROSS APRON AND ALONG TAXI/RAMP TO THE RUNWAY. CONTINUE SOUTHERLY FOR ABOUT 51.4 M (168.6 FT) CROSSING RUNWAY AND ALONG THE GRASS TO THE WINDSOCK AND THE STATION ON THE WEST-SOUTHWEST SIDE. STATION IS SET IN THE TOP OF A 23 CM ROUND CONCRETE POST PROJECTING 4 CM ABOVE GROUND. LOCATED 43.8 M (143.7 FT) SOUTH-SOUTHEAST OF THE RUNWAY CENTER, 15.3 M (50.2 FT) EAST-SOUTHEAST OF A LIGHTED WIND TEE AXLE, 1.5 M (4.9 FT) WEST-SOUTHWEST OF THE WINDSOCK POLE AND ABOUT 0.3 M (1.0 FT) BELOW THE RUNWAY LEVEL. NOTE--THIS STATION IS DESIGNATED AS THE PRIMARY AIRPORT CONTROL STATION.



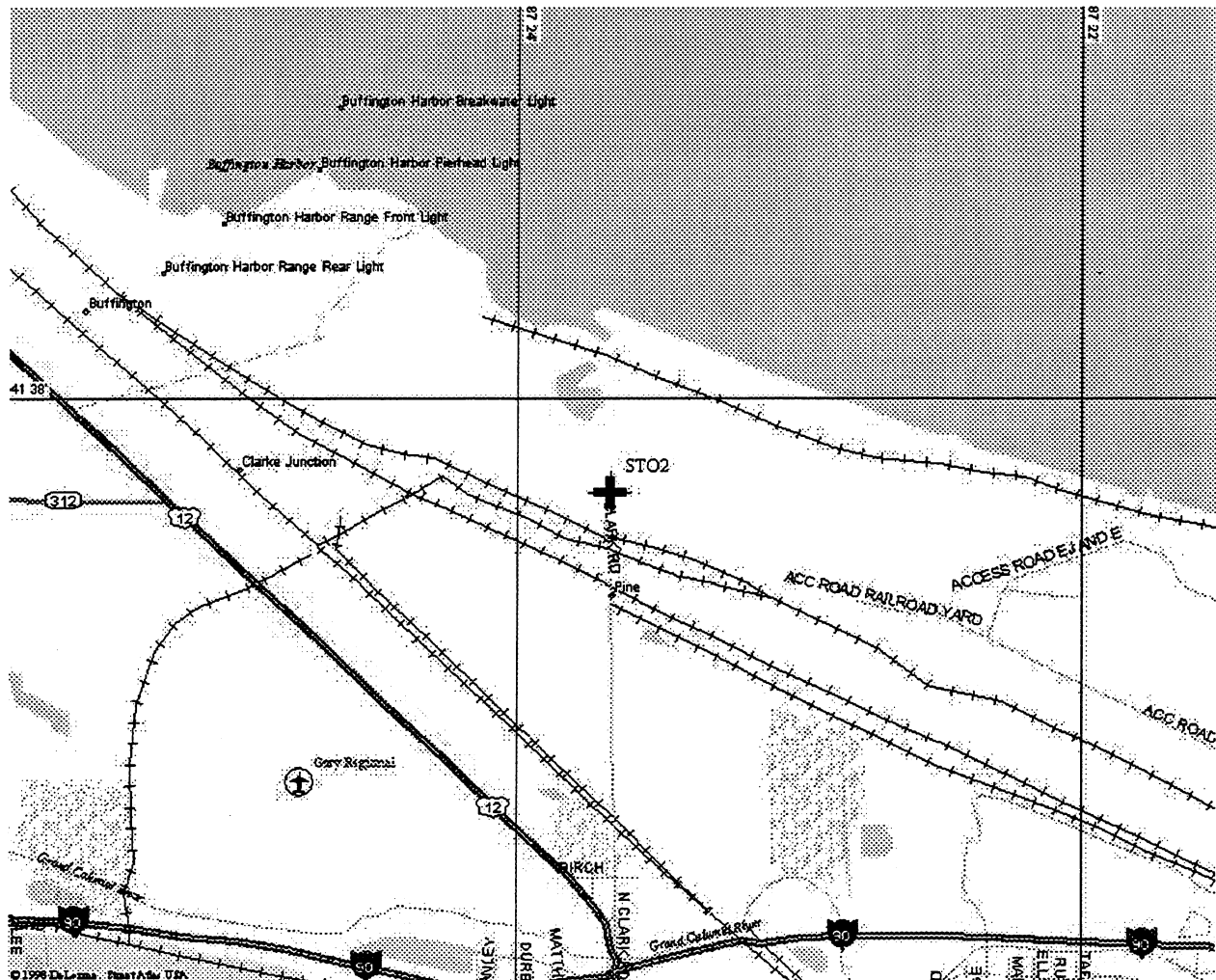
Designator STOCKTON 2 RESET

4-Character ID STO2

County LAKE

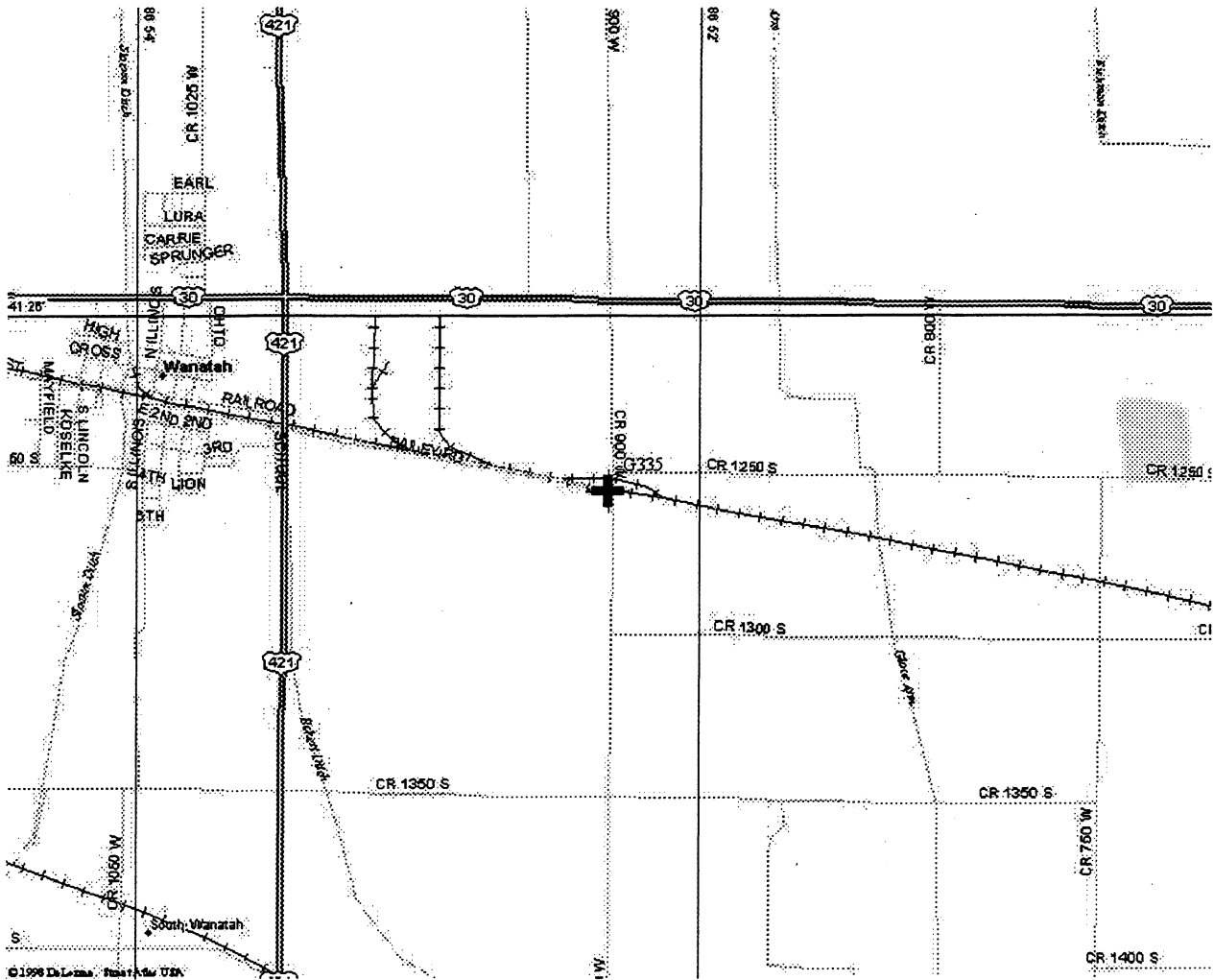
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED ABOUT 0.2 MILES (0.3 KM) NORTHWEST OF GARY, AT THE END OF NORTH CLARK ROAD, JUST INSIDE THE WEST GATE OF U.S. STEEL. OWNERSHIP--U.S. STEEL CORPORATION, CONTACT IS GLEN TOPPING, PHONE 219-888-4500. TO REACH THE STATION FROM THE END OF INTERSTATE 65, TURN LEFT ON HIGHWAY 12. CONTINUE WEST ALONG HIGHWAY 12 FOR 5 MILES (8.0 KM) UNTIL YOU CROSS THE GRAND CALUMET RIVER AT THE EAST END OF GARY REGIONAL AIRPORT. JUST AS HIGHWAY 12 BENDS NORTHWEST, TURN RIGHT ON NORTH CLARK ROAD. CONTINUE GOING NORTH ON NORTH CLARK ROAD FOR 1.3 MILES (2.1 KM) TO THE WEST GATE OF U.S. STEEL. JUST TO THE NORTHWEST OF THE GUARD STATION AND JUST SOUTH OF THE WITNESS POST. STATION IS 4 METERS (13.1 FT) NORTH OF THE CENTERLINE OF THE RAILROAD TRACKS, 9.3 METERS (30.5 FT) WEST-NORTHWEST OF YELLOW GAS VENT PIPE, 19.1 METERS (62.7 FT) SOUTHWEST OF YELLOW GAS VENT PIPE, 23.8 METERS (78.1 FT) NORTHEAST OF RAILROAD SWITCH AND 42 METERS (137.8 FT) NORTHWEST OF MANHOLE.



Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED ABOUT 1.6 KM (1.00 MI) EAST OF THE U.S. HIGHWAY 421 OVERPASS OVER THE RAILROAD TRACKS, NEAR THE EAST SIDE OF WANATAH, ALONG THE SOUTH SIDE OF THE RAILROAD TRACKS, ALONG THE NORTH SIDE OF E. FIRST ST, AND JUST WEST OF A RAILROAD CROSSING AT 900 W ROAD. OWNERSHIP--CONRAIL RAILROAD. TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAYS 30 AND 421 NEAR THE EAST-NORTHEAST EDGE OF WANATAH, GO SOUTH FOR 0.96 KM (0.60 MI) ON HIGHWAY 421 CROSSING OVER THE TRACKS TO (WANATAH RD) ON THE RIGHT. TURN RIGHT, WEST, THEN NORTH FOR 0.32 KM (0.20 MI) ON WANATAH ROAD TO A Y-JUNCTION AT E. FIRST ST. BEAR RIGHT, EAST FOR 1.6 KM (1.00 MI) ON EAST FIRST STREET TO THE STATION ON THE LEFT. STATION IS 25.7 M (84.3 FT) WEST OF THE 900 W ROAD CENTER, 19.5 M (64.0 FT) EAST-NORTHEAST OF A GREEN UNDERGROUND CABLE JUNCTION BOX NUMBER 30600 40-3 ABOUT 3-FOOT HIGH, 9.9 M (32.5 FT) NORTH OF THE E. FIRST STREET CENTER, 8.1 M (26.6 FT) SOUTH OF THE SOUTH RAIL, 0.2 M (0.7 FT) SOUTH OF A WITNESS POST, ABOUT 0.4 M (1.3 FT) ABOVE THE E. FIRST STREET LEVEL AND RECESSED ABOUT 6 CM BELOW GROUND. NOTE--THE DISK IS ENCASED IN A 5-INCH METAL PIPE.



Designator MICPORT

4-Character ID MICP

County LAPORTE

Description and Location Map

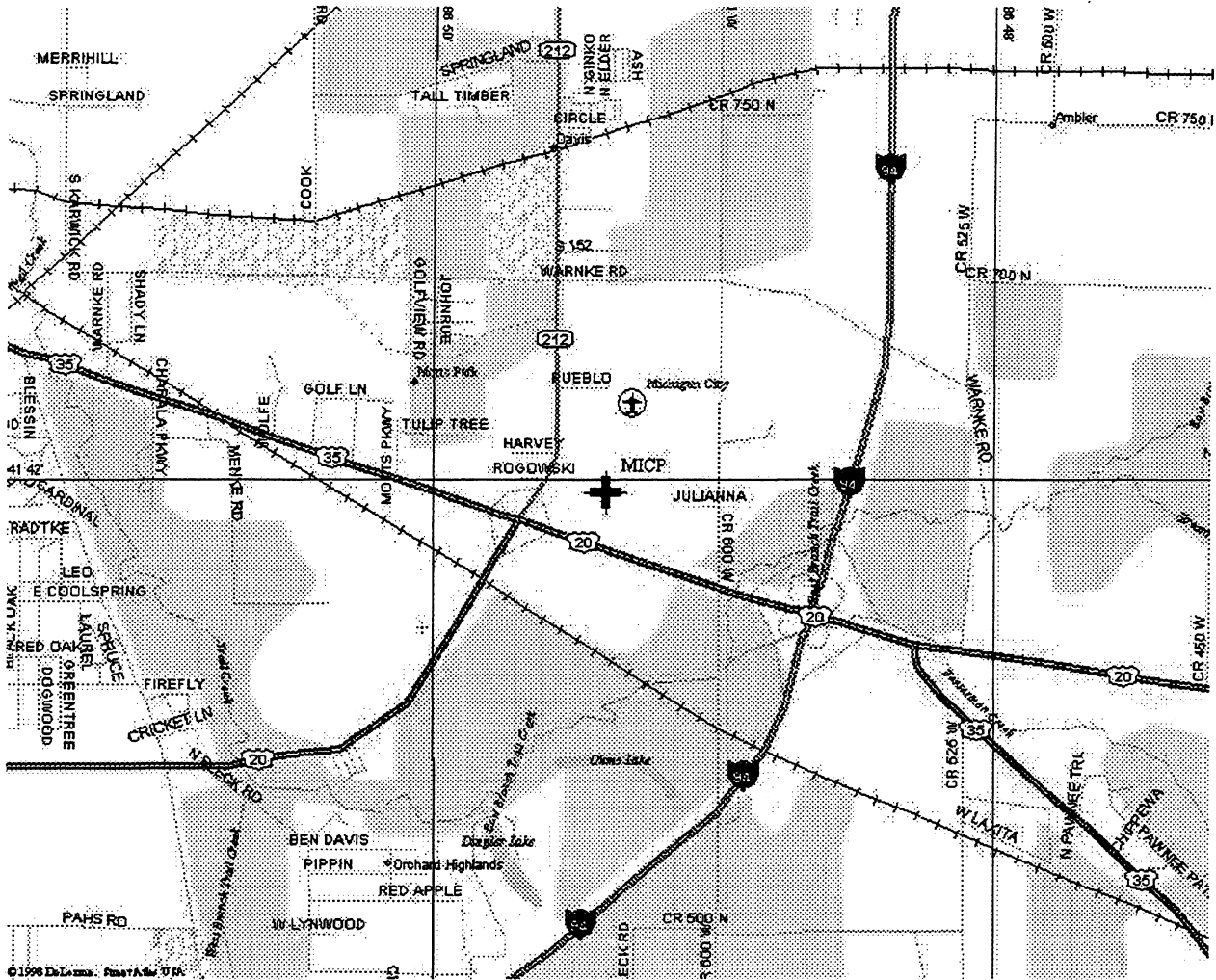
RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED ABOUT 8.0 KM (4.95 MI) SOUTHEAST OF MICHIGAN CITY, 1.3 KM (0.80 MI) NORTHWEST OF INTERSTATE HIGHWAY 94, AT THE MICHIGAN CITY AIRPORT, EAST-NORTHEAST OF RUNWAY END 2, JUST EAST-SOUTHEAST OF THE FIRST RUNWAY LIGHT NORTH-NORTHEAST OF THE TAXI/RAMP AT RUNWAY END 2. OWNERSHIP--CITY OF MICHIGAN CITY, 1300 NORTH HIGHWAY 212, MICHIGAN CITY IN 46360. AIRPORT MANAGER IS GUY J. CAMPOLATTARA, PHONE 219-872-0121. ALTERNATE CONTACT IS AL KINTZELE. TO REACH THE STATION FROM THE JUNCTION OF INTERSTATE HIGHWAY 94 AND U.S. HIGHWAYS 20 AND 35 (EXIT 40), NEAR THE SOUTHEAST EDGE OF MICHIGAN CITY, GO WEST-NORTHWEST FOR 1.44 KM (0.90 MI) ON HIGHWAYS 20 AND 35 TO THE JUNCTION OF U.S. HIGHWAY 212. BEAR RIGHT, NORTHERLY FOR 0.88 KM (0.55 MI) ON HIGHWAY 212 TO THE AIRPORT ENTRANCE ROAD ON THE RIGHT. TURN RIGHT, EASTERLY, 0.28 KM (0.15 MI) ON THE WINDING ENTRANCE ROAD TO A GATE AND THE AIRPORT OFFICE ON THE RIGHT. PASS THROUGH THE GATE, SOUTH-SOUTHEAST FOR 0.16 KM (0.10 MI) ACROSS APRON AND ALONG TAXI/RAMP TO THE MAIN TAXI. TURN RIGHT, SOUTH-SOUTHWEST FOR 0.48 KM (0.30 MI) ALONG THE MAIN TAXI TO THE HOLD BARS AT RUNWAY END 2. BEAR LEFT, EAST-NORTHEAST FOR 0.08 KM (0.05 MI) CROSSING RUNWAY TO THE EAST-SOUTHEAST SIDE AND THE STATION. STATION IS 51.7 M (169.6 FT) NORTH-NORTHEAST OF A TAXI/RAMP CENTER, 16.8 M (55.1 FT) EAST-SOUTHEAST OF THE RUNWAY CENTER, 9.7 M (31.8 FT) WEST-NORTHWEST OF A DRAINAGE DITCH CENTER, 2.4 M (7.9 FT) EAST-SOUTHEAST OF A RUNWAY LIGHT, 2.2 M (7.2 FT) EAST-SOUTHEAST OF A SHORT WITNESS POST, ABOUT 0.1 M (0.3 FT) BELOW THE RUNWAY LEVEL AND PROJECTING 3 CM ABOVE GROUND. NOTE--THE DATUM POINT IS A PUNCH MARK ON THE TOP CENTER OF A STAINLESS STEEL ROD RECESSED ABOUT 0.1 M (0.3 FT) BELOW GROUND AND DRIVEN TO A DEPTH OF 3.7 M, (12.1 FT) IN A GREASE FILLED SLEEVE 0.3 M (1.0 FT) LONG, ENCASED IN A 5-INCH PVC PIPE WITH NGS LOGO CAP SURROUNDED BY CONCRETE. ACCESS TO THE DATUM POINT IS THROUGH THE 5-INCH LOGO CAP. NOTE--THIS STATION IS DESIGNATED AS THE PRIMARY AIRPORT CONTROL STATION.

(location map on following page)

Designator MICPORT

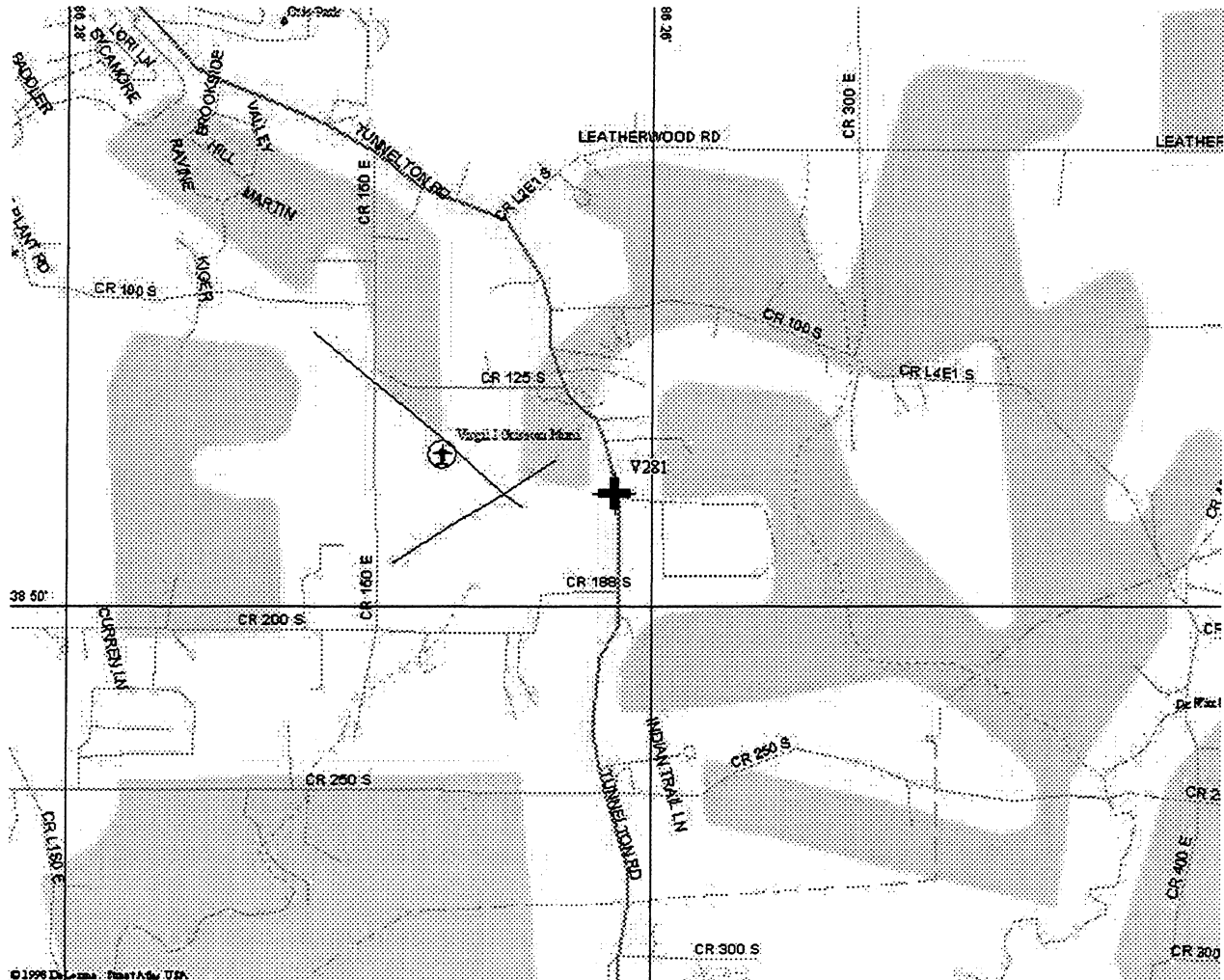
4-Character ID MICP

County LAPORTE



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) APPROXIMATELY 3.1 MILES (5.0 KM) SOUTHEAST OF THE BEDFORD, AT THE VIRGIL GRISSOM MUNICIPAL AIRPORT. FROM THE COURTHOUSE IN BEDFORD, GO EAST ON U.S. HIGHWAY 50 FOR 1.1 MILES (1.8 KM) TO A COUNTY ROAD AND ENTRANCE TO OTIS PARK, TURN RIGHT, SOUTHEAST ON COUNTY ROAD PAST THE PARK AND GO 2.35 MILES (3.78 KM) FROM HIGHWAY 50 IN A SOUTHEASTERLY DIRECTION TO THE TOP OF A HILL AND THE AIRPORT ON THE RIGHT. THE MONUMENT IS 5.75 METERS (18.86 FT) SOUTH OF THE SOUTH EDGE OF THE AIRPORT ENTRANCE DRIVE, 8.30 METERS (27.23 FT) WEST OF THE WEST EDGE OF THE PRIVATE DRIVE TO THE HANGERS, 8.03 METERS (26.35 FT) NORTH BY NORTHWEST OF THE NORTHWEST CORNER OF THE FOUNDATION OF THE GRISSOM MUNICIPAL BEDFORD AIRPORT SIGN WITH FLAG POLE, 23.94 METERS (78.54 FT) EAST OF A LIGHT POLE. THE MONUMENT IS ON THE AIRPORT PROPERTY. CONTACT IS DOYLE CUMMINGS, PHONE 812-275-0491. THE STATION IS A 30 CM ROUND CONCRETE POST PROJECTING 9 CM ABOVE GROUND.



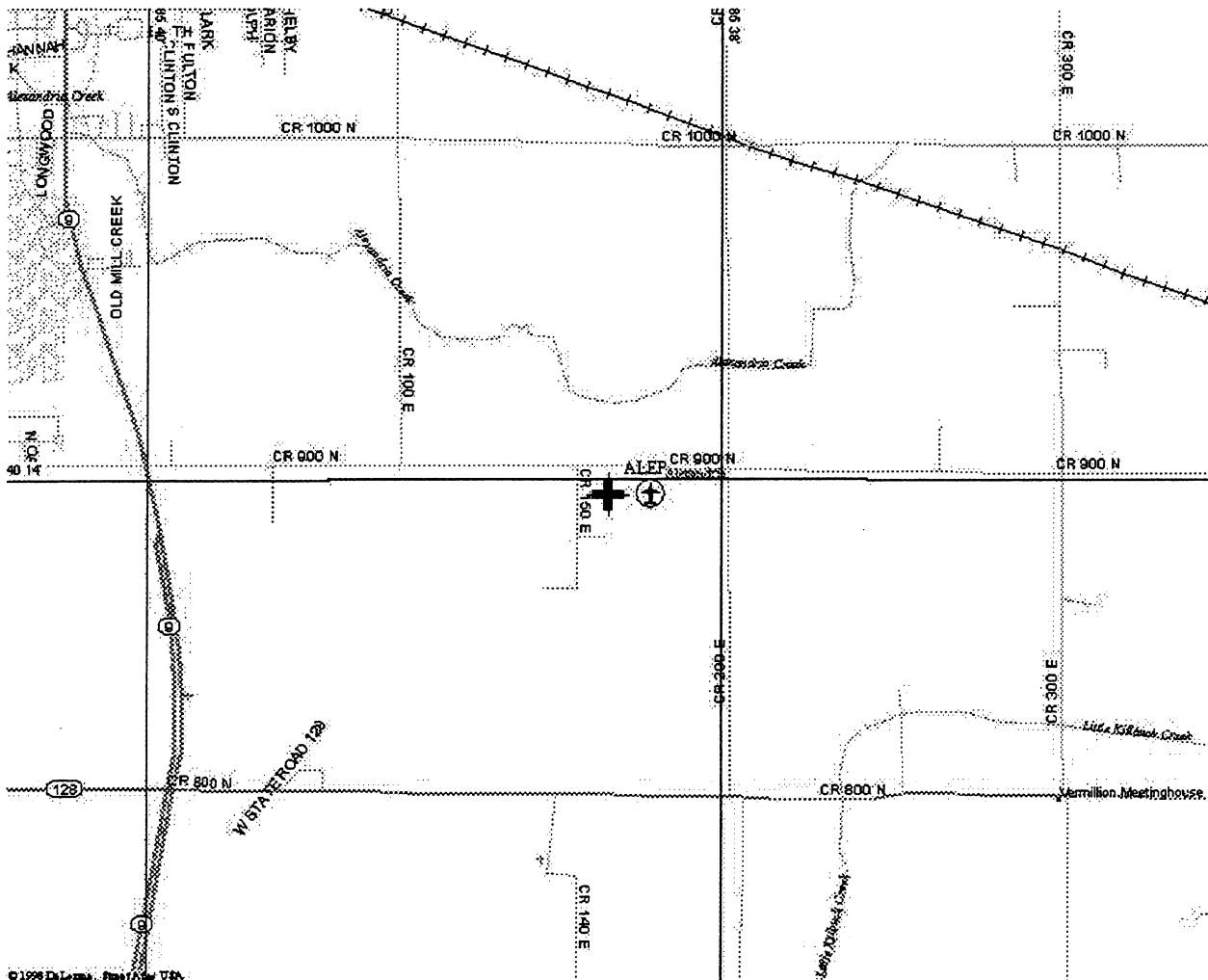
Designator ALEPORT

4-Character ID ALEP

County MADISON

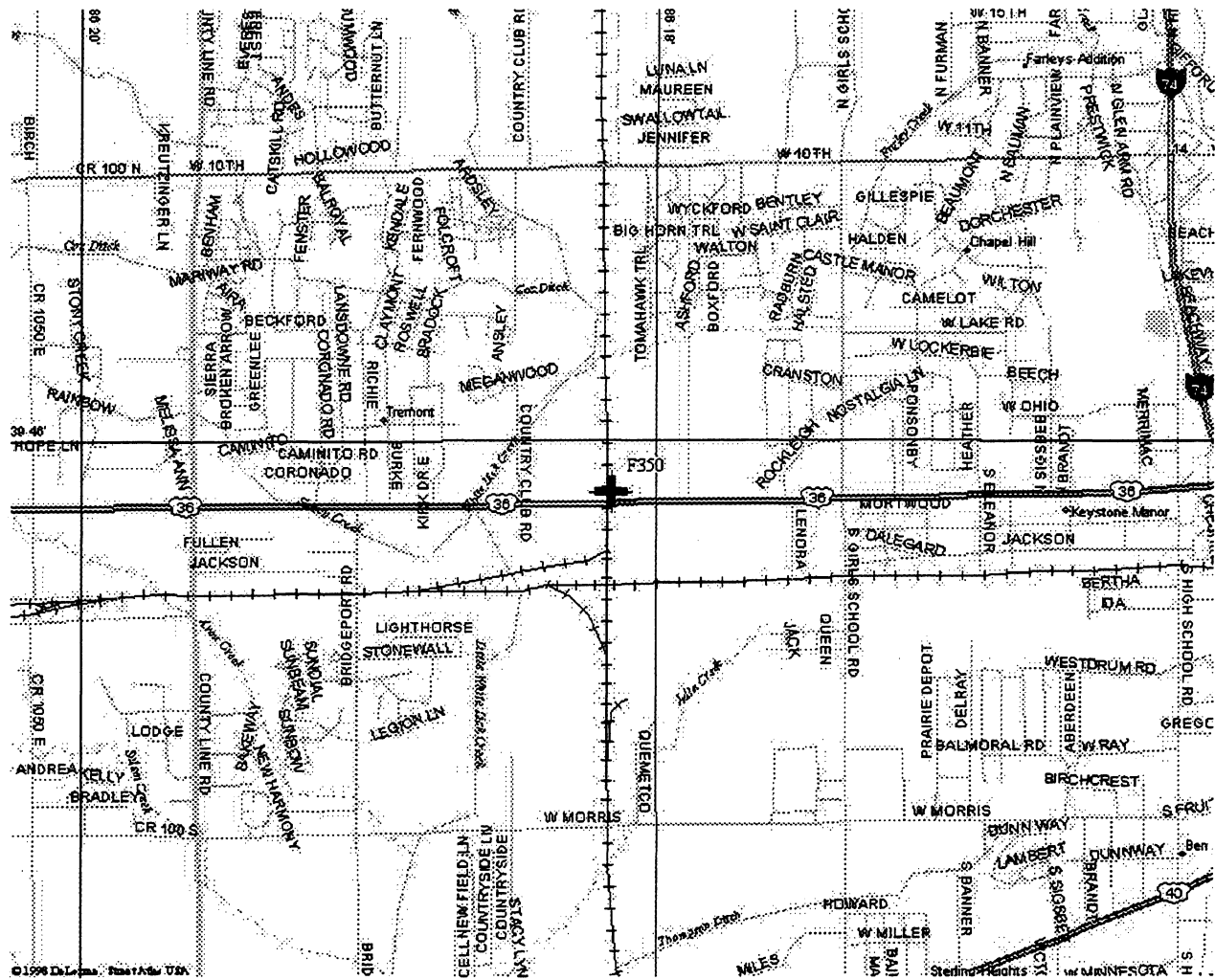
Description and Location Map

DESCRIBED BY NATIONAL GEODETIC SURVEY 1988 THE STATION IS LOCATED ABOUT 16.1 KM (10.00 MI) NORTHWEST OF MUNCIE, 6.4 KM (4.00 MI) SOUTHEAST OF ALEXANDRIA, 3.2 KM (2.00 MI) WEST OF INTERSTATE HIGHWAY 69 AND AT THE ALEXANDRIA AIRPORT. OWNERSHIP--KNOTTS FLYING SERVICE, RT 4, BOX 148, ALEXANDRIA, IN 46001, PHONE 317-724-3848. AIRPORT MANAGER IS DUANE KNOTTS. TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 28 AND 9 JUST NORTH OF ALEXANDRIA, GO SOUTH ON STATE HIGHWAY 9 FOR 5.3 KM (3.30 MI) TO A CROSSROAD. TURN LEFT AND GO EAST ON COUNTY ROAD 900N FOR 2.3 KM (1.45 MI) TO AIRPORT ENTRANCE ROAD ON THE RIGHT. TURN RIGHT AND GO SOUTH FOR 0.1 KM (0.05 MI) TO AIRPORT OFFICE. FROM OFFICE GO SOUTHERLY ACROSS AIRPORT APRON AND TAXIWAY FOR 0.1 KM (0.05 MI) TO ITS JUNCTION WITH RUNWAY. TURN LEFT AND GO EASTERLY ALONG THE RUNWAY FOR 0.1 KM (0.05 MI) TO A NORTH-SOUTH TAXIWAY AND THE STATION ON THE LEFT IN THE NORTHEAST QUADRANT OF THIS INTERSECTION. THE STATION IS A STANDARD NGS STATION MARK DISK STAMPED---ALEPORT 1986---, SET IN THE TOP OF A 20 CM IN DIAMETER CONCRETE POST THAT IS FLUSH WITH THE GROUND. LOCATED 57.0 M (187.0 FT) SOUTH FROM THE EAST ONE OF TWO GAS PUMPS, 19.35 M (63.5 FT) EAST FROM CENTER OF TAXIWAY, 15.1 M (49.5 FT) NORTH FROM CENTER OF RUNWAY AND 2.1 M (6.9 FT) NORTH FROM A RUNWAY LIGHT AND FIBERGLASS WITNESS POST. GPS SURVEY, FAA AIRPORTS, INDIANA. DESCRIBED BY D.A. BOWLING.



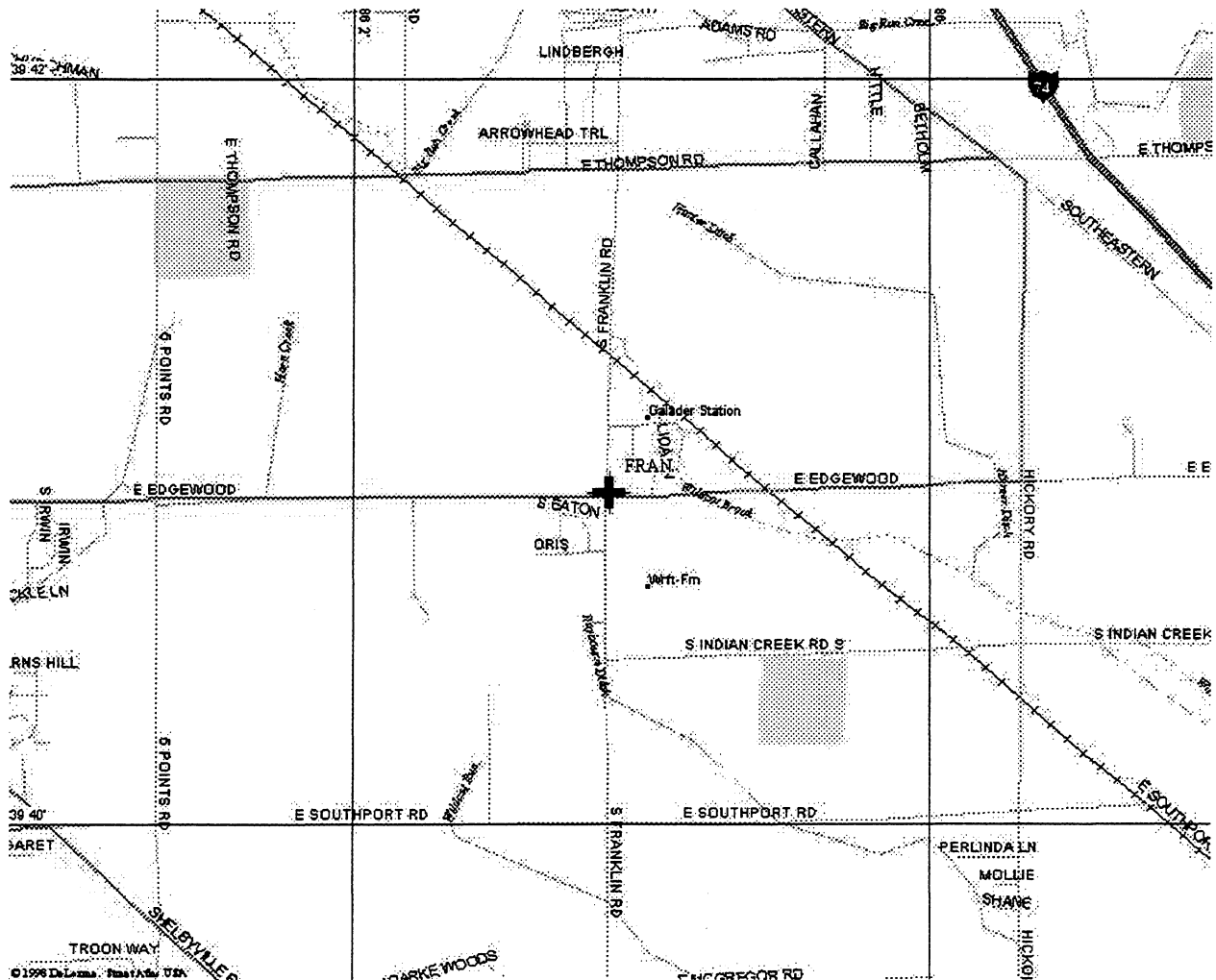
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) LOCATED ON THE WEST SIDE OF INDIANAPOLIS, IN SECTION 34, TOWNSHIP 16 NORTH, RANGE 2 EAST. 1.9 MILES (3.1 KM) WEST OF I-465 ALONG STATE ROAD 36 (ROCKVILLE ROAD), 0.7 MILE (1.1 KM) EAST OF GIRL SCHOOL ROAD ALONG SR 36. LOCATED 85 FEET (25.9 M) EAST OF THE CONRAIL RAILROAD OVERPASS, 63 FEET (19.2 M) NORTH OF THE CENTERLINE OF THE WESTBOUND LANE OF STATE ROAD 36, 3 FEET (0.9 M) WEST OF A POWER POLE, 3 FEET (0.9 M) SOUTH OF THE SOUTHWEST CORNER OF A PAVED PARKING LOT. ACCESS TO MARK IS THROUGH A 5 INCH LOGO CAP SET FLUSH WITH GROUND SURFACE, AND IS ABOUT 2 FEET (0.6 M) ABOVE THE SURFACE OF STATE ROAD 36.



Description and Location Map

DESCRIBED BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) LOCATED SOUTHEAST OF INDIANAPOLIS, IN SECTION 7, TOWNSHIP 14 NORTH, RANGE 3 EAST. TO REACH MARK FROM THE INTERSECTION OF INTERSTATE HIGHWAY 465 AND SOUTHEASTERN AV. (STATE HIGHWAY 421), GO SOUTHEASTERLY 1.9 MILES (3.1 KM) ALONG SOUTHEASTERN AV. TO FRANKLIN ROAD. GO SOUTH 1.9 MILES (3.1 KM) ALONG FRANKLIN ROAD TO EDGEWOOD AV. STATION IS IN THE SOUTHEAST QUADRANT OF INTERSECTION, ALSO BEING THE NORTHWEST CORNER OF THE FRANKLIN TOWNSHIP MIDDLE SCHOOL YARD. LOCATED 103.59 FEET (31.57 M) NORTHWESTERLY FROM A PK NAIL IN THE NORTH SIDE OF A POWER POLE NUMBER 8431, 12 INCHES UP, 86.38 FEET (26.33 M) NORTHWESTERLY OF THE NORTHERNMOST CORNER OF A BRICK SIGN FOR SCHOOL, 78.55 FEET (23.94 M) EAST OF A RAILROAD SPIKE IN A POWER POLE NUMBER 6000 12 INCHES UP, 39.15 FEET (11.93 M) NORTHWESTERLY OF A CUT (X) IN THE SOUTH RIM OF A SEWER MANHOLE, 11 FEET (3.4 M) SOUTH OF THE SOUTH EDGE OF PAVEMENT OF EDGEWOOD AV., FLUSH WITH GROUND AND ABOUT LEVEL WITH THE ROAD.



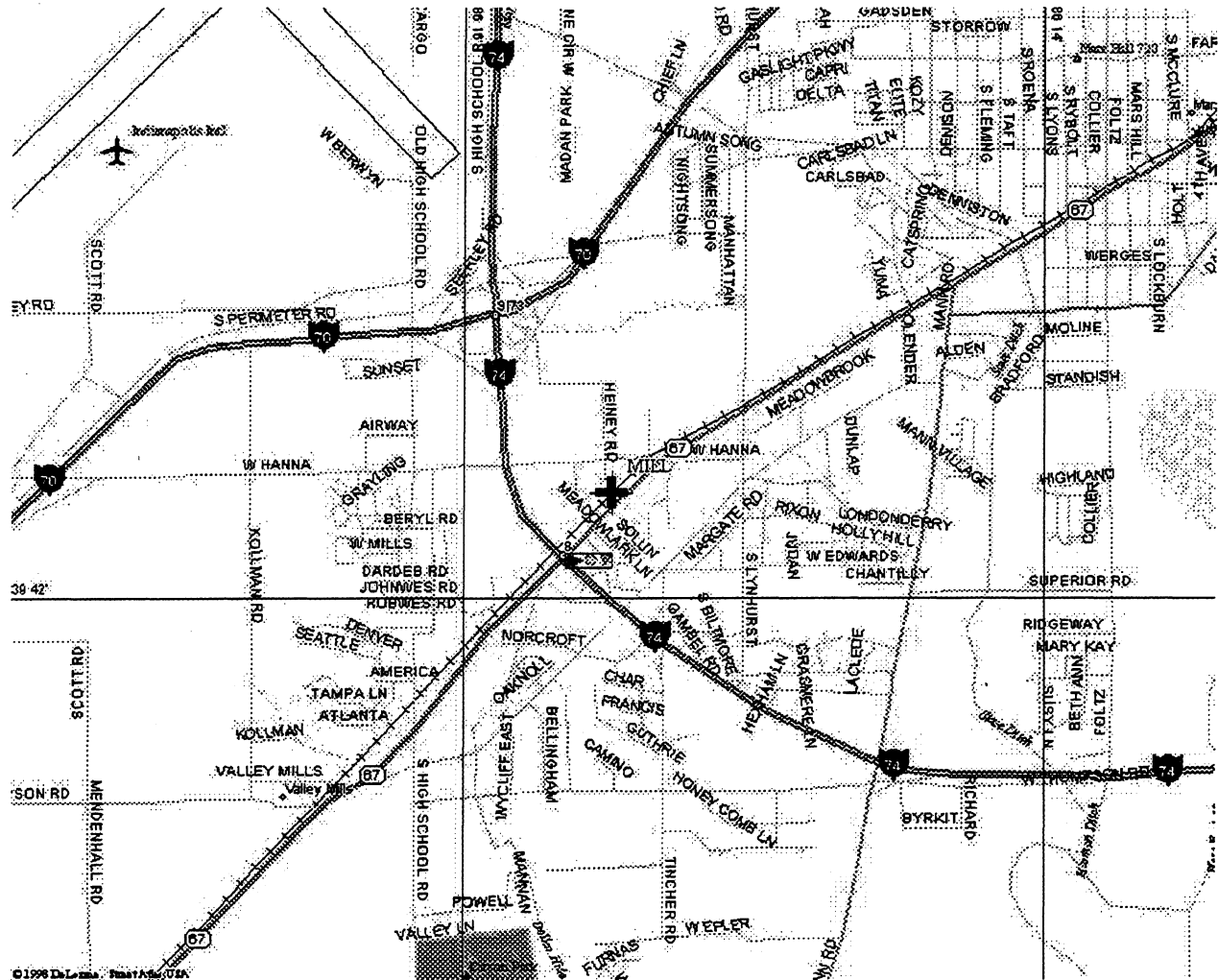
Designator MILLS RESET

4-Character ID MILL

County MARION

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) LOCATED IN SOUTHWEST INDIANAPOLIS IN SECTION 36, TOWNSHIP 15 NORTH, RANGE 2 EAST. 0.2 MILE (0.3 KM) NORTHEAST ALONG STATE ROAD 67 (KENTUCKY AV.) FROM THE INTERSECTION WITH I-465, 0.1 MILE (0.2 KM) SOUTHWEST ALONG SR 67 FROM HANNA AV. LOCATED 152 FEET (46.3 M) NORTHEAST OF THE THIRD LIGHT POLE NORTHEAST OF INTERSTATE I-465, 42 FEET (12.8 M) NORTHWEST OF THE CENTERLINE OF THE SOUTHWESTBOUND LANE OF SR 67, 22.65 FEET (6.90 M) SOUTHWEST OF MILLS RM 5, 18 FEET (5.5 M) SOUTHEAST OF THE SOUTHEAST RAIL OF THE INDIANA SOUTHERN RAILROAD, 3 FEET (0.9 M) NORTHEAST OF A METAL WITNESS POST WITH SIGN, 3 FEET (0.9 M) SOUTHWEST OF A METAL WITNESS POST WITH SIGN, FLUSH WITH GROUND AND ABOUT 1 FOOT (0.3 M) ABOVE THE SURFACE OF SR 67.



Designator ZID A

4-Character ID ZIDA

County MARION

Description and Location Map

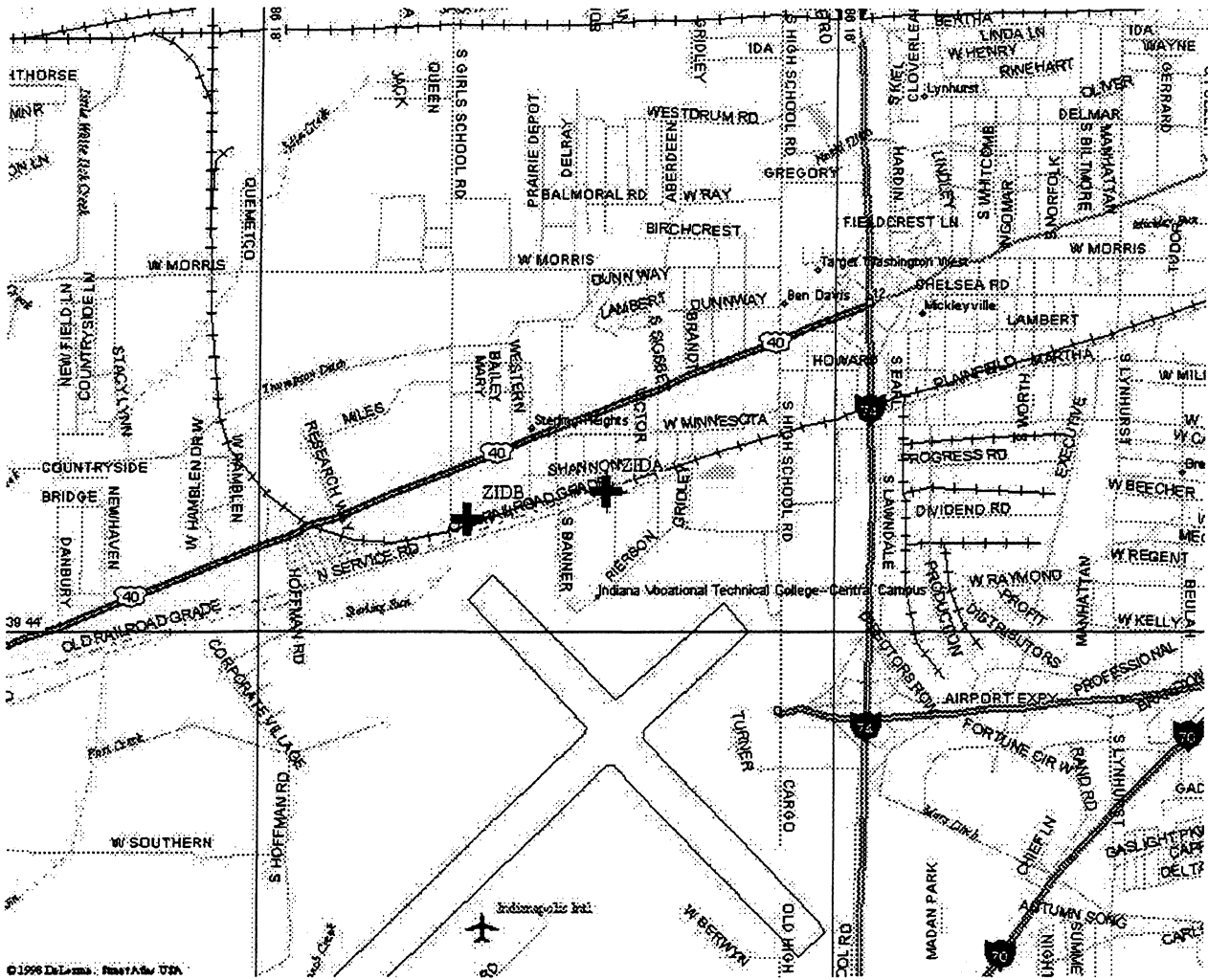
RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED NEAR THE SOUTHWEST SIDE OF THE INDIANAPOLIS METROPOLITAN AREA, ALONG THE NORTH SIDE OF THE INDIANAPOLIS INTERNATIONAL AIRPORT ON THE PROPERTY OF THE FAA AIR ROUTE TRAFFIC CONTROL CENTER (ARTCC), ALSO KNOWN AS INDIANAPOLIS CENTER. IT IS IN A GRASS AREA BETWEEN THE NORTH SIDE OF THE FAA PARKING LOT AND THE PERIMETER FENCE FOR THE PARKING LOT. THE STATION WAS ESTABLISHED AS AN FAA WAAS SITE REFERENCE POINT. FAA CONTACTS ARE TERESA MATOS OR JEFFREY A. JOHNSON, INDIANAPOLIS ARTCC/AFS, 1850 SOUTH SIGSBEE, INDIANAPOLIS IN 46241-3640, PHONE 317-247-2275 OR 317-247-2235. CALL IN ADVANCE FOR PERMISSION TO OCCUPY THIS STATION AND ACCESS THROUGH THE GATE AT THE GUARD BOOTH. TO REACH FROM THE UNDERPASS AT THE JUNCTION OF COMBINED INTERSTATE HIGHWAYS 74 AND 465 AND U.S. HIGHWAY 40 (WASHINGTON STREET) AT EXIT 12, GO SOUTHWEST ON HIGHWAY 40 FOR 2.3 KM (1.40 MI) TO A PAVED CROSSROAD (GIRLS SCHOOL ROAD) AND AN AIRPORT SIGN ON THE LEFT. TURN LEFT, SOUTH ON GIRLS SCHOOL ROAD FOR 0.40 KM (0.25 MI) TO A PAVED T-JUNCTION (NORTH PERIMETER ROAD). TURN LEFT, EAST-NORTHEAST ON NORTH PERIMETER ROAD FOR 0.8 KM (0.50 MI) TO A SHARP TURN IN THE ROAD TO THE SOUTH WHERE THE ROAD BECOMES SIGSBEE STREET. CONTINUE AHEAD, SOUTH ON SIGSBEE STREET FOR 0.2 KM (0.10 MI) TO A PAVED ROAD RIGHT LEADING TO A GATE AT THE FAA FACILITY. TURN RIGHT, WEST ON THE ROAD FOR 0.2 KM (0.10 MI) TO THE GATE AND GUARD BOOTH AT THE PARKING LOT. PASS THROUGH THE GATE, WEST, THEN NORTHERLY, THROUGH THE PARKING LOT FOR 0.2 KM (0.10 MI) TO THE NORTH EDGE OF THE LOT AND THE STATION AHEAD. THE STATION IS A PUNCH HOLE TOP CENTER OF A STAINLESS STEEL ROD IN A 2.5 CM GREASE FILLED SLEEVE 0.91 M (2.99 FT) LONG ENCASED IN A 12.7 CM PVC PIPE WITH A LOGO CAP SURROUNDED BY CONCRETE SET FLUSH WITH THE GROUND. IT IS 43.7 M (143.4 FT) WEST-SOUTHWEST OF THE NORTHEAST CORNER OF THE FAA PROPERTY PERIMETER FENCE, 38.7 M (127.0 FT) WEST-NORTHWEST OF THE NORTHEAST CORNER OF THE NORTH PARKING LOT OF THE FACILITY, 19.8 M (65.0 FT) EAST-NORTHEAST OF AN 8 INCH DIAMETER SUMAC TREE, 17.3 M (56.8 FT) NORTHWEST OF A 6 INCH DIAMETER BEECH TREE, 15.5 M (50.9 FT) NORTH OF THE NORTH EDGE OF THE PARKING LOT, 14.4 M (47.2 FT) NORTH-NORTHEAST OF A METAL LIGHT POLE AND 3.0 M (9.8 FT) SOUTH OF A PLASTIC WITNESS POST IN THE PERIMETER FENCE.

(location map on following page)

Designator ZID A

4-Character ID ZIDA

County MARION



Designator ZID B

4-Character ID ZIDB

County MARION

Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED NEAR THE SOUTHWEST SIDE OF THE INDIANAPOLIS METROPOLITAN AREA, ALONG THE NORTH SIDE OF THE INDIANAPOLIS INTERNATIONAL AIRPORT, ON THE PROPERTY OF TH WEISE EQUIPMENT CO., ON A GRASSY BERM BETWEEN THE SOUTH SIDE OF THE PARKING LOT FOR THE FACILITY AND THE CONRAIL RAILROAD TRACKS, AND IN THE NORTHEAST QUADRANT OF THE JUNCTION OF GIRLS SCHOOL ROAD AND NORTH PERIMETER ROAD. THE STATION WAS ESTABLISHED AS AN FAA WAAS SITE REFERENCE POINT. TO REACH FROM THE UNDERPASS AT THE JUNCTION OF COMBINED INTERSTATE HIGHWAYS 74 AND 465 AND U.S. HIGHWAY 40 (WASHINGTON STREET) AT EXIT 12, GO SOUTHWEST ON HIGHWAY 40 FOR 2.3 KM (1.40 MI) TO A PAVED CROSSROAD (GIRLS SCHOOL ROAD) AND AN AIRPORT SIGN ON THE LEFT. TURN LEFT, SOUTH ON GIRLS SCHOOL ROAD FOR 0.32 KM (0.20 MI) TO A PAVED ENTRANCE ROAD TO THE WEISE EQUIPMENT CO. BUILDING ON THE LEFT JUST BEFORE REACHING THE RAILROAD TRACKS. TURN LEFT, EAST ON THE ROAD FOR ABOUT 30 M (98.4 FT) TO THE PARKING LOT. TURN RIGHT, SOUTH THROUGH THE PARKING LOT FOR 0.08 KM (0.05 MI) TO THE SOUTH EDGE OF THE PARKING LOT AND THE STATION ON THE LEFT. THE STATION IS A PUNCH HOLE TOP CENTER OF A STAINLESS STEEL ROD IN A 2.5 CM GREASE FILLED SLEEVE 0.91 M (3.0 FT) LONG ENCASED IN A 12.7 CM PVC PIPE WITH A LOGO CAP SURROUNDED BY CONCRETE SET FLUSH WITH THE GROUND. IT IS 71.9 M (235.9 FT) EAST OF THE CENTER OF GIRLS SCHOOL ROAD, 33.5 M (109.9 FT) WEST-SOUTHWEST OF A LIGHT POLE AT THE SOUTHEAST CORNER OF THE PARKING LOT, 27.5 M (90.2 FT) SOUTHWEST OF THE SOUTHEAST CORNER OF THE BUILDING, 16.2 M (53.1 FT) NORTH OF THE NORTH RAIL OF THE TRACKS, 4.3 M (14.1 FT) NORTH OF A PLASTIC WITNESS POST, AND 4.0 M (13.1 FT) SOUTH OF AND ABOUT 1.1 M (3.6 FT) HIGHER THAN THE SOUTH EDGE OF THE PARKING LOT. NOTE--THIS STATION IS DESIGNATED AS THE PRIMARY AIRPORT CONTROL STATION.

(location map on following page)

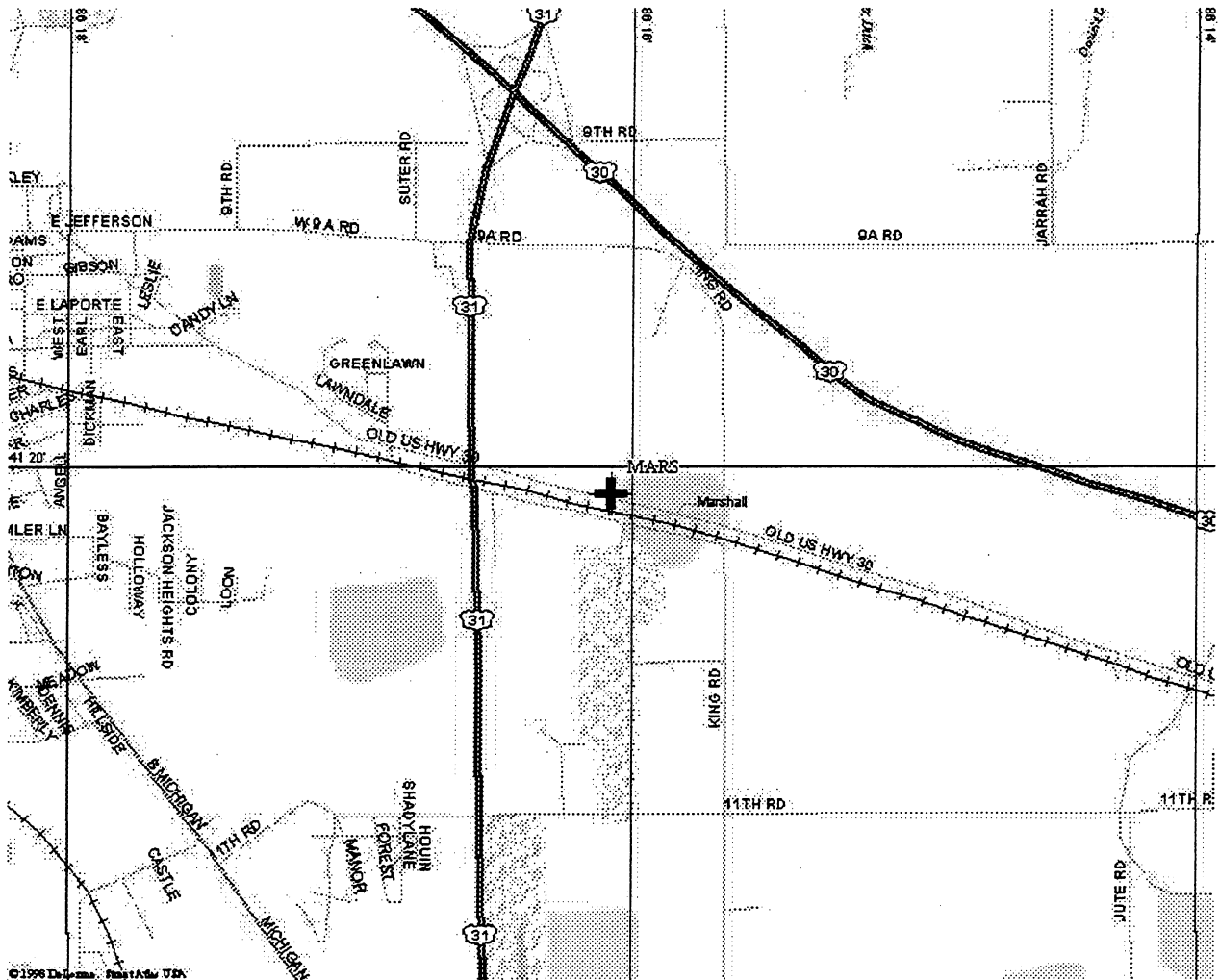
Designator MARSHALL

4-Character ID MARS

County MARSHALL

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS 2 MILES (3.2 KM) EAST OF PLYMOUTH. TO REACH THE STATION FROM THE INTERSECTION OF U.S. HIGHWAYS 30 AND 31, GO SOUTH ON U.S. HIGHWAY 31 FOR 0.5 MILES (0.8 KM) TO CROSSROAD, TURN LEFT AND GO EAST 1.5 MILES (2.4 KM) TO THE INTERSECTION OF OLD HIGHWAY 30, TURN RIGHT AND GO WEST 0.5 MILES (0.8 KM) TO THE SHADY REST HOME AND STATION ON RIGHT, ON THE PROPERTY OF SHADY REST HOME, 10924 LINCOLN WAY, RICH ULRICH, SUPERINTENDENT, PHONE 219-936-2635. THE STATION IS SET IN A ROUND CONCRETE MONUMENT. IT IS 33.01 METERS (108.30 FT) NORTH OF THE CENTERLINE OF OLD HIGHWAY 30, 25.90 METERS (84.97 FT) WEST OF THE CENTERLINE OF DRIVEWAY LEADING TO BARN, 25.90 METERS (84.97 FT) SOUTH OF THE SOUTHEAST CORNER OF THE SHADY REST HOME AND RECESSED 2 CM BELOW GROUND.



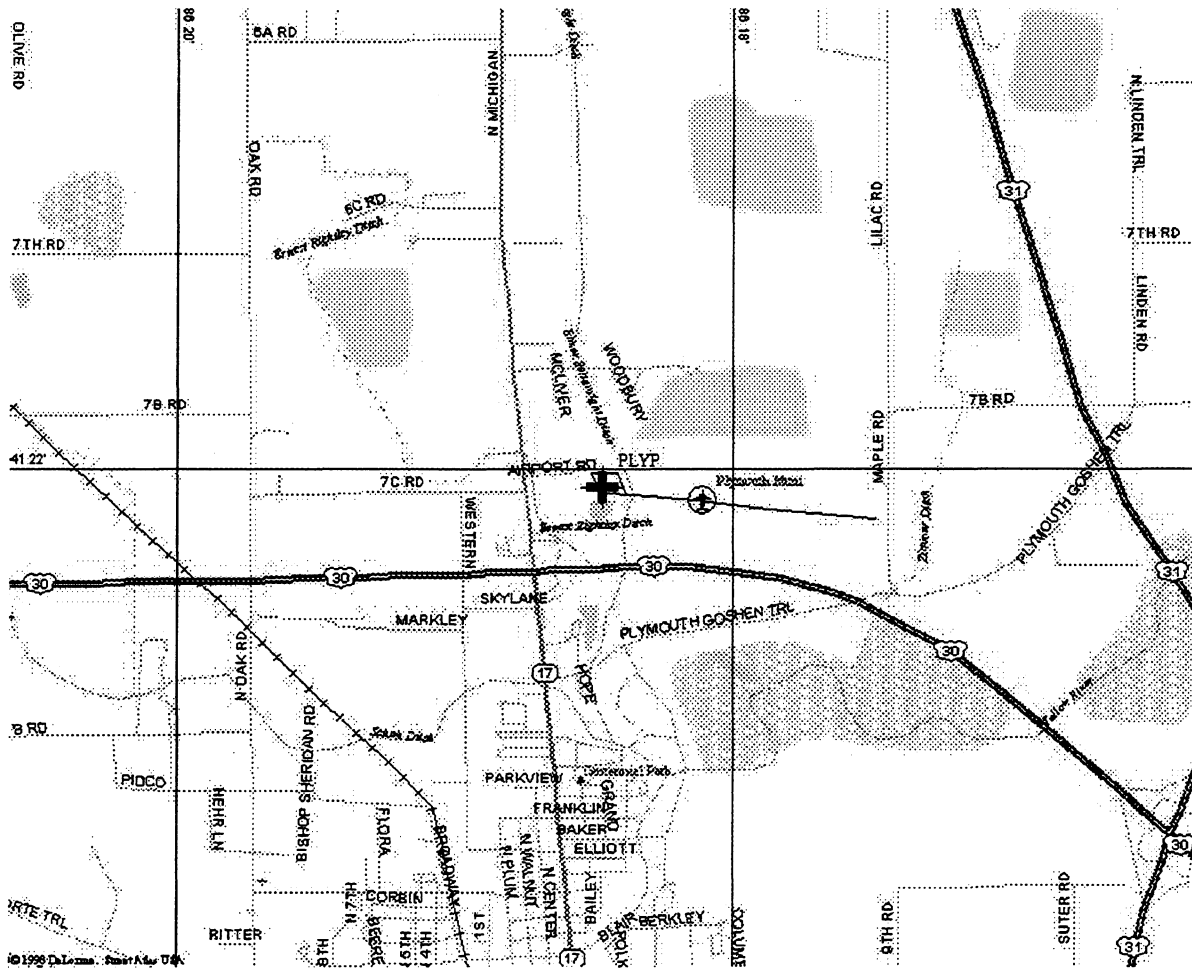
Designator PLYPORT

4-Character ID PLYP

County MARSHALL

Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED ABOUT 4.0 KM (2.50 MI) NORTH OF PLYMOUTH, AT THE PLYMOUTH MUNICIPAL AIRPORT, NEAR THE SOUTHWEST ROUNDED CORNER OF A DIAMOND SHAPED GRASS MEDIAN NORTH-NORTHEAST OF RUNWAY END 10. OWNERSHIP--CITY OF PLYMOUTH, PLYMOUTH AIRPORT, PLYMOUTH IN 46563. AIRPORT MANAGER IS FRANK S. KISH, PHONE 219-935-5152. TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 30 AND STATE HIGHWAY 17 NEAR THE NORTH EDGE OF PLYMOUTH, GO NORTH FOR 0.48 KM (0.30 MI) ALONG HIGHWAY 17 TO THE AIRPORT ENTRANCE ROAD ON THE RIGHT. TURN RIGHT, EASTERLY FOR 0.48 KM (0.30 MI) ALONG WINDING ENTRANCE ROAD, THEN SOUTH TO THE AIRPORT OFFICE ON THE LEFT. FROM THE NORTHEAST CORNER OF THE PARKING LOT BEHIND THE OFFICE, GO EAST, THEN SOUTH-SOUTHEAST FOR 0.16 KM (0.10 MI) ALONG A PAVED ROAD AND BETWEEN HANGARS TO A TAXI/APRON. TURN RIGHT, WEST FOR 0.08 KM (0.05 MI) ALONG TAXI TO TAXI/RAMP A1. TURN LEFT, SOUTH-SOUTHEAST FOR 0.06 KM (0.05 MI) ALONG TAXI A1 TO THE RUNWAY AND THE STATION ON THE LEFT, JUST NORTH-NORTHEAST OF THE TWO TAXI LIGHTS. STATION IS 59.8 M (196.2 FT) SOUTH-SOUTHWEST OF A TAXI CENTERLINE, 29.6 M (97.1 FT) SOUTHEAST OF THE EAST CORNER OF TAXI/RAMP AND RUNWAY IDENTIFIER SIGN (A1 28-10), 16.3 M (53.5 FT) NORTH-NORTHEAST OF THE RUNWAY CENTER, 1.6 M (5.2 FT) NORTH-NORTHEAST OF AND IN LINE WITH THE NORTH-NORTHEAST 1 OF 2 TAXI LIGHTS, 1.3 M (4.3 FT) NORTH-NORTHEAST OF A SHORT WITNESS POST, ABOUT 0.2 M (0.7 FT) BELOW THE RUNWAY LEVEL AND FLUSH WITH GROUND. NOTE--THIS STATION IS DESIGNATED AS THE PRIMARY AIRPORT CONTROL STATION.



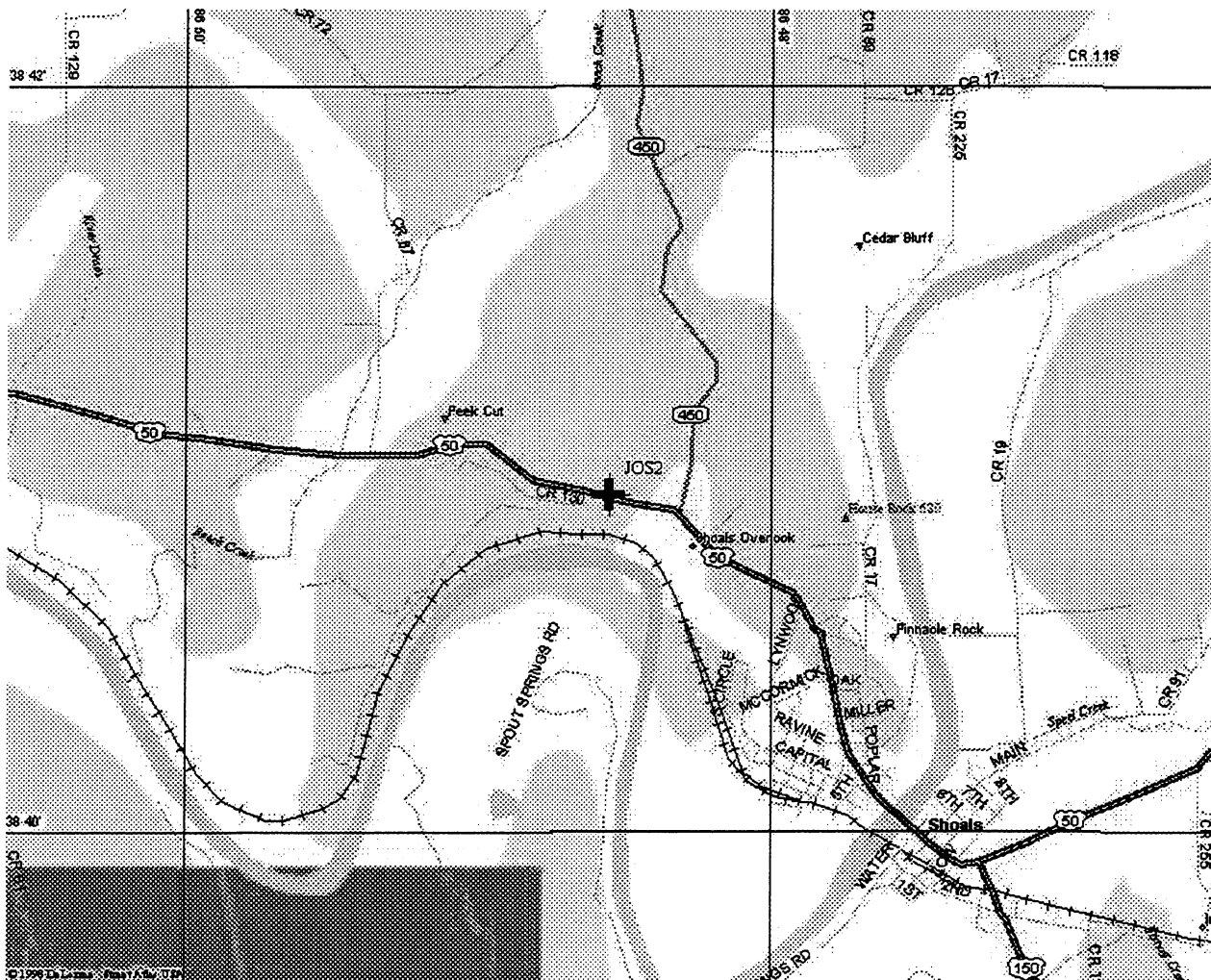
Designator JOSHPHINE 2

4-Character ID JOS2

County MARTIN

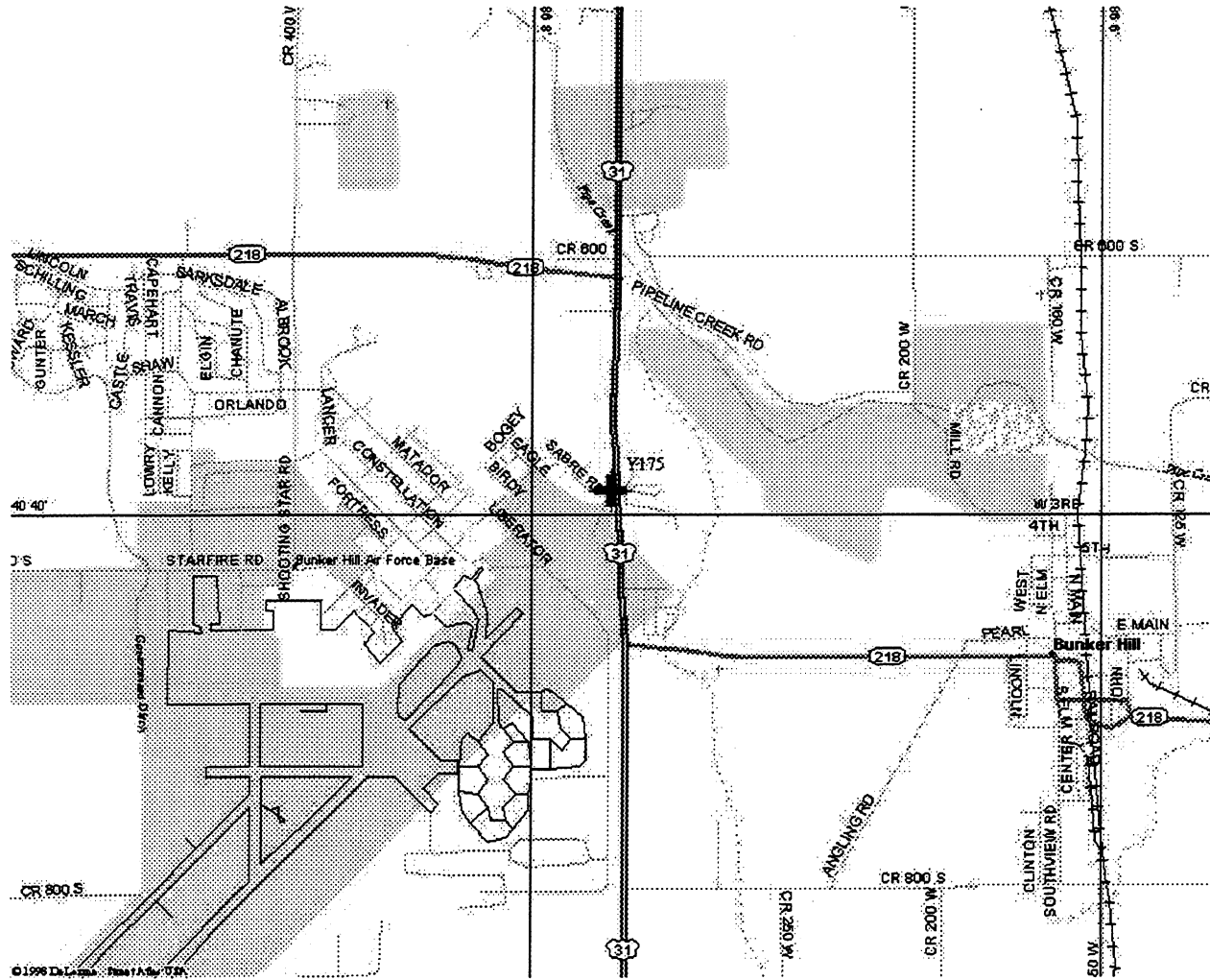
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS ABOUT 1.55 MILES (2.49 KM) NORTHWEST OF SHOALS MAIN STREET INTERSECTION WITH U.S. HIGHWAY 150 AND 50, ON HIGHWAY 150/50 NORTH BANK, ABOUT 0.2 MILES (0.3 KM) WEST OF THE INTERSECTION STATE ROAD 450. IT IS 0.45 METERS (1.48 FT) NORTH OF A WITNESS POST, 71.6 METERS (234.9 FT) WEST OF THE CENTER OF A GRAVEL DRIVE LEADING NORTH TO A 2 STORY WHITE CONCRETE BUILDING DENOTED AS R.E. FENCE CONTRACTOR, 23.6 METERS (77.4 FT) WEST FROM JOSEPHINE 2 RM 4, 20.5 METERS (67.3 FT) WEST-SOUTHWEST OF A POWER POLE MARKED HE SHOALS NUMBER 2 ABS, 16.95 METERS (55.61 FT) NORTH OF U.S. HIGHWAY 150, 50 CENTERLINE, 34.4 METERS (112.9 FT) EAST-SOUTHEAST OF A POWER POLE MARKED P.S.C. OF 649-125, 31.5 METERS (103.3 FT) SOUTH OF A 66-CM LOCUST TREE, 6.7 METERS (22.0 FT) SOUTHEAST OF THE CENTER OF A ROUND CONCRETE LID TO A SUBSURFACE VAULT, PROJECTING 14 CM ABOVE GROUND. THE NORTHWEST CORNER OF CONCRETE POST IS CHIPPED.



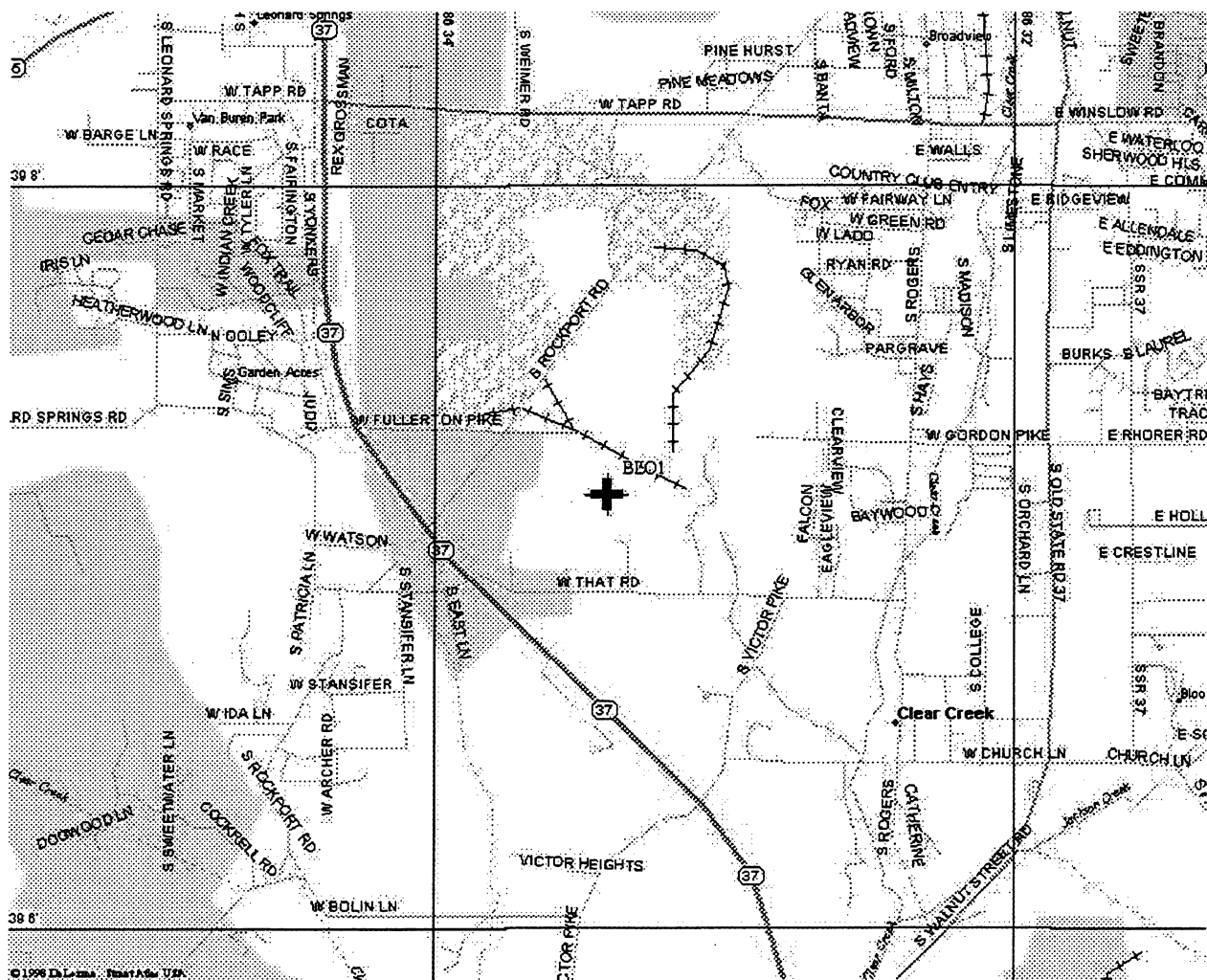
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED 10.8 MILES (17.4 KM) NORTH OF THE NORTH CITY LIMIT SIGN OF KOKOMO. TO REACH THE STATION FROM THE SOUTH, GO NORTH ON U.S. HIGHWAY 31 FOR 0.5 MILES (0.8 KM) FROM I-218 (EAST OF HIGHWAY 31). FROM THE NORTH, GO SOUTH ON HIGHWAY 31 0.7 MILES (1.1 KM) FROM I-218 (WEST OF U.S. 31) TO THE ENTRANCE OF GRISSOM AIR MUSEUM, NORTH OF ENTRANCE. LOCATED AT AZIMUTH 152 DEGREES AND 20.85 METERS (68.41 FT) TO A TRAFFIC SIGNAL GUY POLE, AZIMUTH 212 DEGREES AND 20.67 METERS (67.81 FT) TO THE NORTHEAST CORNER OF A CONCRETE LIGHT BASE, AZIMUTH 292 DEGREES AND 6.48 METERS (21.26 FT) TO A TREE, AZIMUTH 73 DEGREES AND 4.64 METERS (15.22 FT) TO AN ELECTRIC RISOR POLE.



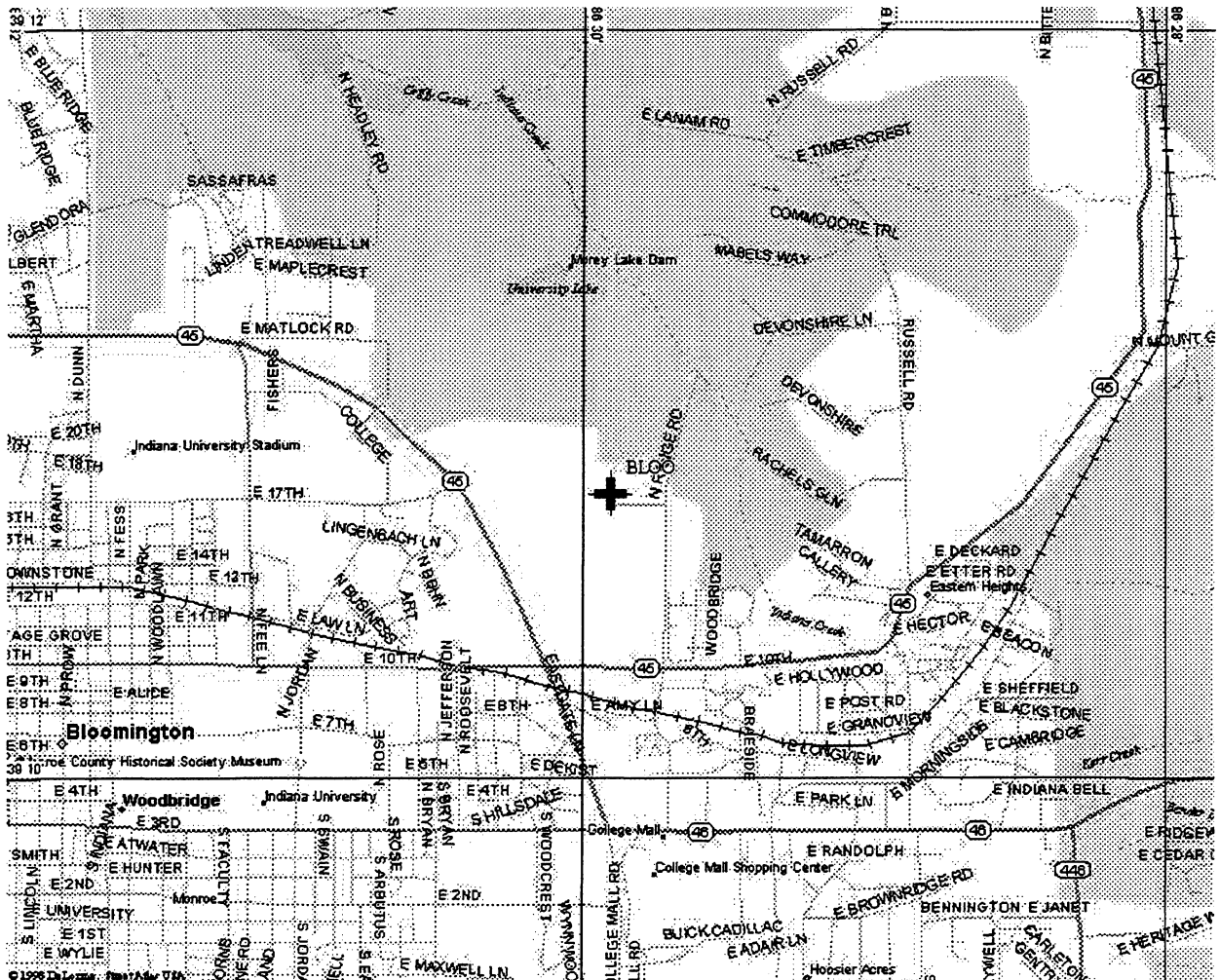
Description and Location Map

DESCRIBED BY INDIANA UNIVERSITY 1997 (MH) THE STATION IS LOCATED ABOUT 6 MI (9.7 KM) SOUTH-SOUTHWEST OF DOWNTOWN BLOOMINGTON, ON A DAIRY FARM OWNED BY JERRY AND SANDY BAILEY. CONTACT JERRY BAILEY AT 812-824-7322 (HOME) OR 824-4090 (BARN) PRIOR TO OBSERVATION. TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAYS 45 AND 37 WEST OF BLOOMINGTON, GO SOUTH FOR 2.4 MI (3.9 KM) ON HIGHWAY 37 TO THE INTERSECTION OF THAT ROAD. TURN LEFT AND GO EAST FOR 0.55 MI (0.89 KM) ON THAT ROAD TO A GRAVELED DRIVEWAY LEFT. TURN LEFT AND GO NORTH ON THE GRAVELED DRIVEWAY AND CONTINUE OVER THE LIP OF THE HILL 0.15 MI (0.24 KM) TO THE END OF DRIVEWAY, MIDWAY BETWEEN A TRAILER HOME AND A 30 M (98.4 FT) TALL CELLULAR PHONE REPEATER TOWER. THE STATION IS AN UNSTAMPED, BEVELED STAINLESS STEEL PIN SET IN THE TOP OF A 2 M (6.6 FT) BY 3 M (9.8 FT) LIMESTONE OUTCROP ALONG THE NORTHERN EDGE OF A ROCKY PASTURE. IT IS THE ONLY LIMESTONE OUTCROP WITHIN 2 M (6.6 FT) OF THE FENCE LINE DEMARCATING THE NORTHERN BOUNDARY OF THE PASTURE. LOCATED ABOUT 540 M (1771.6 FT) NORTH-NORTHWEST OF THE TRAILER HOME, 172 M (564.3 FT) EAST OF THE NORTHWEST CORNER OF THE PASTURE, 32.6 M (107.0 FT) NORTH-NORTHEAST OF THE NORTHEASTERMOST TREE IN A NORTHEAST-SOUTHWEST LINE OF TREES AND 1.69 M (5.54 FT) SOUTH OF THE FENCE LINE. ANOTHER STAINLESS STEEL PIN (WITHOUT DIVOT OR BEVEL) STAMPED---BLO1--- WAS SET 76.3 CM AT 102 DEGREES AZIMUTH FROM THE STATION.



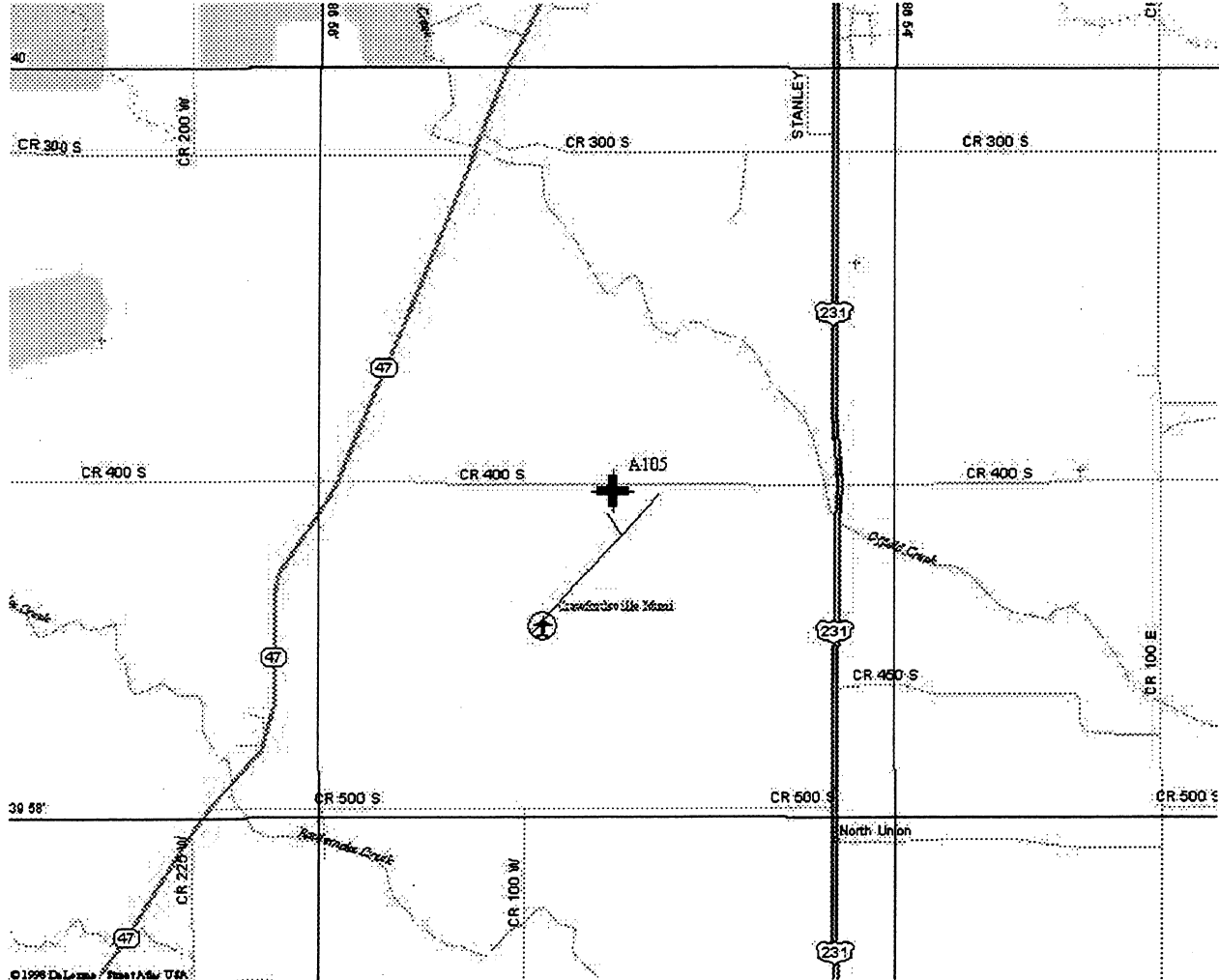
Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED ABOUT 4.2 KM (2.60 MI) NORTHEAST OF BLOOMINGTON, AT INDIANA UNIVERSITY, IN THE SKEET RANGE PARKING LOT. OWNERSHIP--INDIANA UNIVERSITY. MIKE GRANNAN IS IN CHARGE OF THE SKEET RANGE, PHONE 812-855-0244 OR 812-336-5739. CONTACT HIM FOR ACCESS THROUGH THE LOCKED GATE. THE SKEET RANGE IS ONLY OPEN ON TUESDAY AND THURSDAY FROM 4-8 P.M. AND SUNDAY FROM NOON-5 P.M. TO REACH FROM THE JUNCTION OF STATE HIGHWAYS 45 AND 37 BUSINESS AND 46 BYPASS IN BLOOMINGTON, GO EAST ON HIGHWAYS 45 AND 46 BYPASS FOR 3.5 KM (2.15 MI) TO THE INTERSECTION OF HIGHWAY 45 (UNIONVILLE ROAD) LEADING EAST AND 10TH STREET LEADING WEST. TURN LEFT, EAST ON UNIONVILLE ROAD FOR 0.6 KM (0.35 MI) TO THE INTERSECTION OF RANGE ROAD LEADING NORTH TO THE UNIVERSITY SKEET RANGE, PETE ELLIS DRIVE ON THE RIGHT AND THE WOODBRIDGE STATION POST OFFICE ON THE RIGHT. TURN LEFT, NORTH ON RANGE ROAD FOR 0.7 KM (0.45 MI) TO A MACADAM ROAD ON THE LEFT JUST BEFORE A CHAIN LINK GATE. TURN LEFT, WEST ON THE ROAD AND ALONG THE SOUTH SIDE OF A ROW OF TREES FOR 0.2 KM (0.10 MI) TO THE GATE AND THE STATION ON THE RIGHT IN THE SKEET RANGE PARKING LOT. THE STATION IS SET IN THE TOP OF A CONCRETE POST SET FLUSH WITH THE PARKING LOT. IT IS 8.1 M (26.6 FT) EAST OF THE WEST CORNER OF THE PARKING LOT, 6.9 M (22.6 FT) SOUTHWEST OF THE SOUTH CORNER OF THE SKEET RANGE BUILDING, 6.7 M (22.0 FT) SOUTHEAST OF THE NORTHWEST EDGE OF THE PARKING LOT, AND 5.2 M (17.1 FT) NORTHEAST OF THE SOUTHWEST EDGE OF THE PARKING LOT.



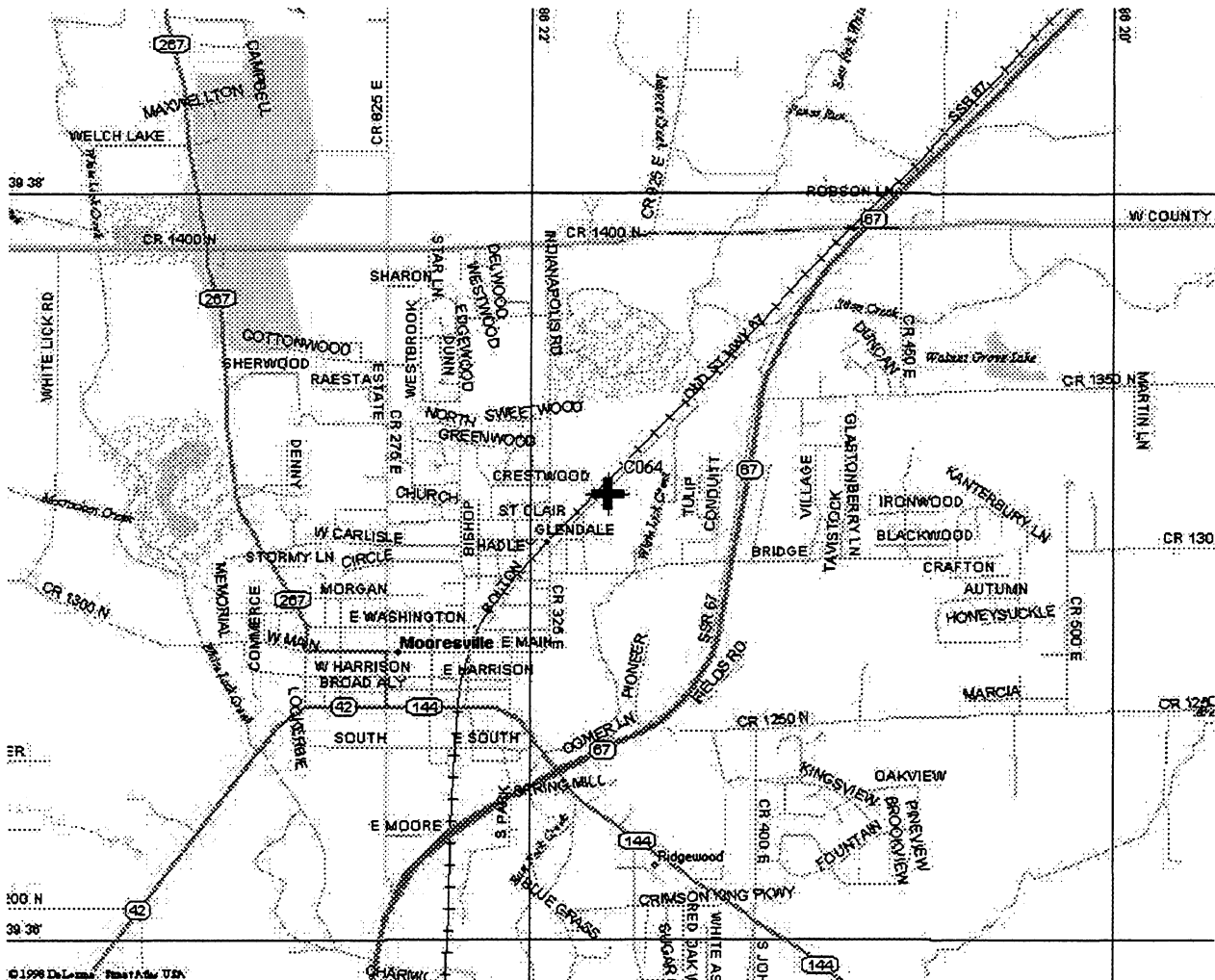
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS LOCATED 4.7 MILES (7.6 KM) SOUTHWEST OF CRAWFORDSVILLE, AT THE CRAWFORDSVILLE MUNICIPAL AIRPORT, 0.8 MILES (1.3 KM) WEST OF THE INTERSECTION OF STATE ROAD 231 AND COUNTY ROAD 400 SOUTH, 17.5 METERS (57.4 FT) SOUTH OF CENTERLINE OF COUNTY ROAD 400 SOUTH, 12.25 METERS (40.19 FT) EAST OF CENTERLINE OF THE AIRPORT MAIN ENTRANCE ROAD (PAVED), 5 METERS (16.4 FT) SOUTH OF CENTER OF CRABAPPLE TREE TRUNK, AND PROJECTS 15 CM ABOVE GRADE.



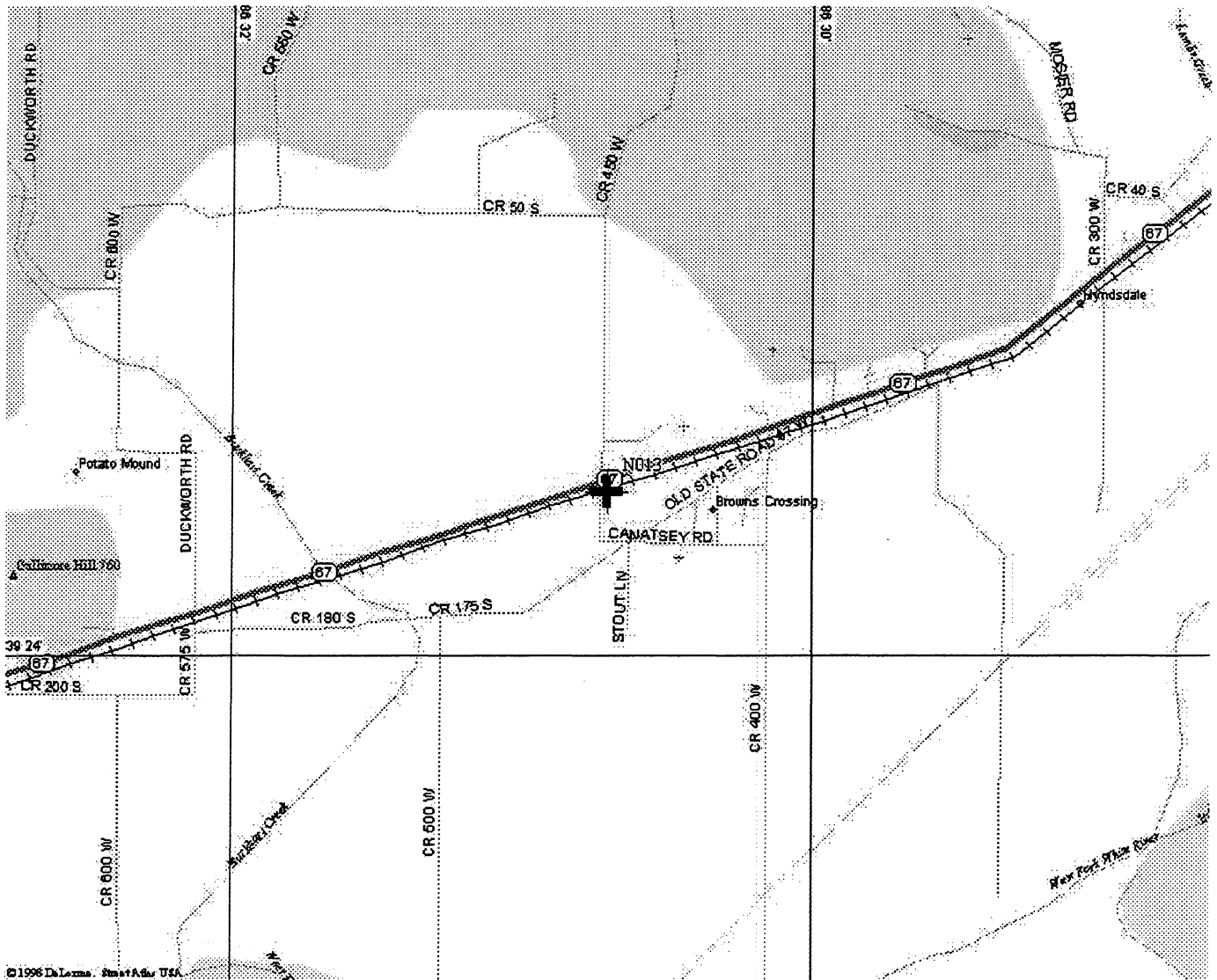
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS 15 MILES (24.1 KM) SOUTHWEST OF INDIANAPOLIS, 8.1 MILES (13.0 KM) SOUTHWEST OF INTERSTATE 465 AND 1 MILE (1.6 KM) NORTHEAST OF MOORESVILLE. TO REACH THE STATION FROM THE INTERSECTION OF INTERSTATE 465 AND STATE HIGHWAY 67 ON THE SOUTHWEST SIDE OF INDIANAPOLIS, GO SOUTHWESTERLY ON STATE HIGHWAY 67 FOR 7.1 MILES (11.4 KM) TO A TRAFFIC LIGHT AT A CROSS ROAD (OLD HIGHWAY 67), TURN RIGHT AND GO WESTERLY ALONG OLD HIGHWAY 67 FOR 0.7 MILES (1.1 KM) TO THE STATION ON LEFT, IN THE RIGHT-OF-WAY OF OLD HIGHWAY 67. OWNERSHIP--INDIANA DEPARTMENT OF TRANSPORTATION, 100 N. SENATE AVENUE, INDIANAPOLIS IN 46204-2249, HENRY ALDRIDGE, 317-232-6764, IN A GRASSY AREA BETWEEN THE ENTRANCE OF AN AMBULANCE BUILDING AND THE EXITS OF A RESTAURANT. THE STATION IS SET IN A ROUND CONCRETE MONUMENT. IT IS 24.80 METERS (81.36 FT) WEST OF THE NORTHWEST CORNER OF THE AMBULANCE BUILDING, 18.60 METERS (61.02 FT) NORTHEAST OF AN EXIT DRIVE FROM RESTAURANT, 7.62 METERS (25.00 FT) SOUTHEAST OF CENTERLINE OF OLD HIGHWAY 67 AND 0.22 METERS (0.72 FT) NORTHWEST OF FIBERGLASS WITNESS POST.



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED 3 MILES (4.8 KM) NORTHEAST OF PARAGON AND 5 MILES (8.0 KM) SOUTHWEST OF MARTINSVILLE. FROM THE INTERSECTION OF STATE HIGHWAYS 39 AND 67 AT THE NORTHWEST SIDE OF MARTINSVILLE, GO SOUTHWEST ON STATE HIGHWAY 67 FOR 3.7 MILES (6.0 KM) TO A CROSSROAD (COUNTY ROAD 450 WEST OR BUFFALO ROAD). TURN LEFT, SOUTH ON COUNTY ROAD 450 WEST AND CROSS RAILROAD TRACKS TO THE STATION ON LEFT. STATION IS IN THE RIGHT-OF-WAY OF CONRAIL RAILROAD, AVON DIVISION, SUPERINTENDENT 317-838-3200. THE STATION IS SET IN A SQUARE CONCRETE MONUMENT. IT IS 73.40 METERS (240.81 FT) WEST OF POWER POLE 855-6591, 29.12 METERS (95.54 FT) SOUTH OF THE CENTERLINE OF STATE HIGHWAY 67, 16.61 METERS (54.49 FT) EAST OF THE CENTERLINE OF COUNTY ROAD 450 WEST, 7.92 METERS (25.98 FT) NORTHEAST OF POWER POLE 855-6590, 7.07 M (23.2 FT) SOUTH OF SOUTHERNMOST RAILROAD AND ABOUT 0.9 METERS (3.0 FT) BELOW LEVEL OF TRACKS.



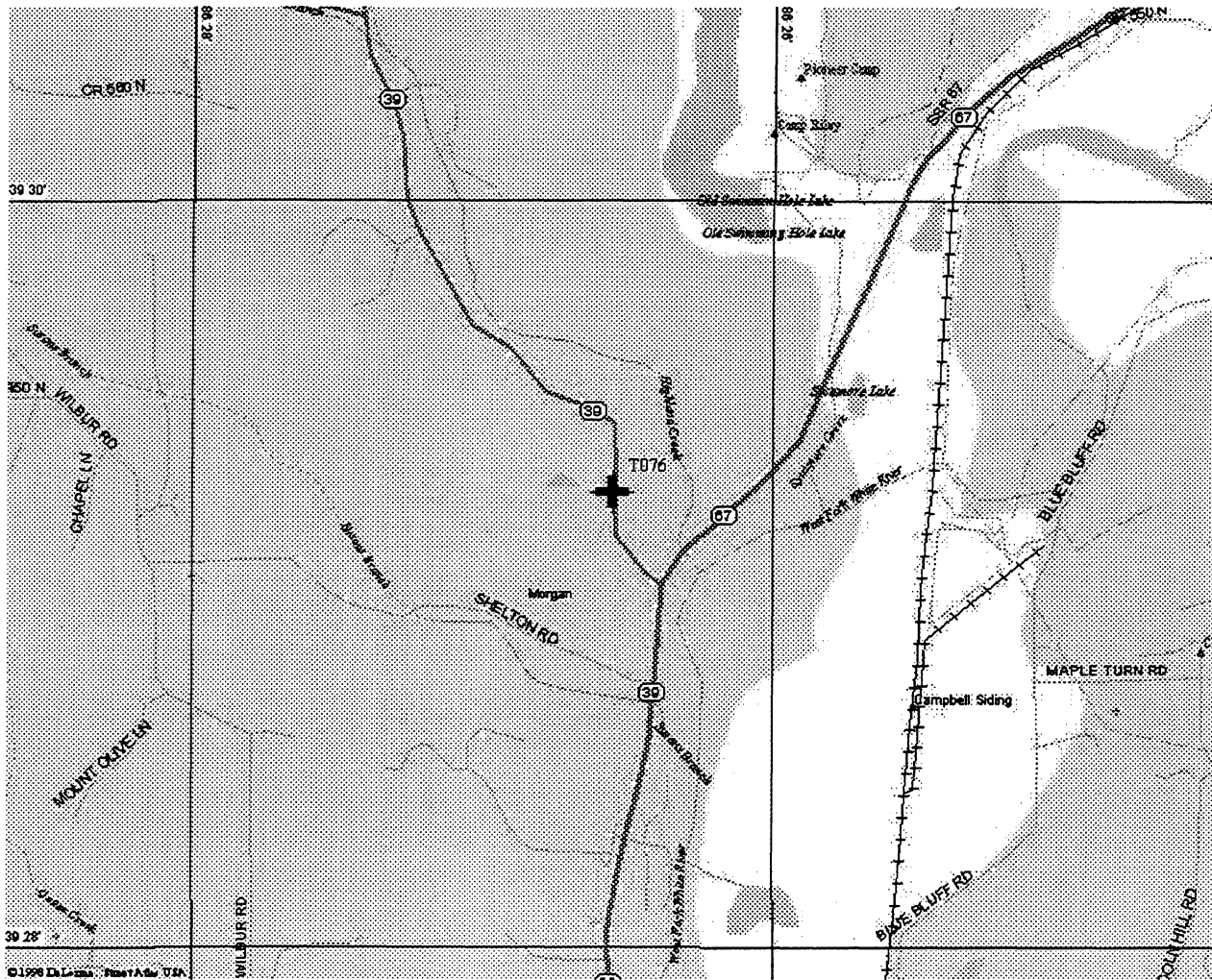
Designator T 76

4-Character ID T076

County MORGAN

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED 5.5 MILES (8.9 KM) NORTHWEST OF MARTINSVILLE AND 0.4 MILES (0.6 KM) NORTH OF THE JUNCTION OF STATE HIGHWAY 39 AND STATE HIGHWAY 67. TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAY 67 AND STATE HIGHWAY 39 NORTH, GO 0.4 MILES (0.6 KM) NORTH ALONG STATE HIGHWAY 39 TO THE STATION ON LEFT, IN THE RIGHT-OF-WAY OF STATE HIGHWAY 39. OWNERSHIP--INDIANA DEPARTMENT OF TRANSPORTATION, 100 N. SENATE AVE, ROOM 1101, STATE OFFICE BUILDING, INDIANAPOLIS IN 46204, HENRY ALDRIDGE, PHONE 317-232-6764. THE STATION IS SET IN A ROUND CONCRETE MONUMENT PROJECTING 6 CM ABOVE GROUND. IT IS 34.08 METERS (111.81 FT) NORTHEAST OF SOUTHEAST CORNER OF BRICK HOUSE OWNED BY WENDELL DILLEY, 5.28 METERS (17.32 FT) WEST OF THE CENTERLINE OF STATE HIGHWAY 39, 4.11 METERS (13.48 FT) NORTH OF THE CENTERLINE OF GRAVEL DRIVE TO DILLEY RESIDENCE AND 1.55 METERS (5.09 FT) SOUTH OF THE SOUTH FACE OF A WOODEN FENCE POST.



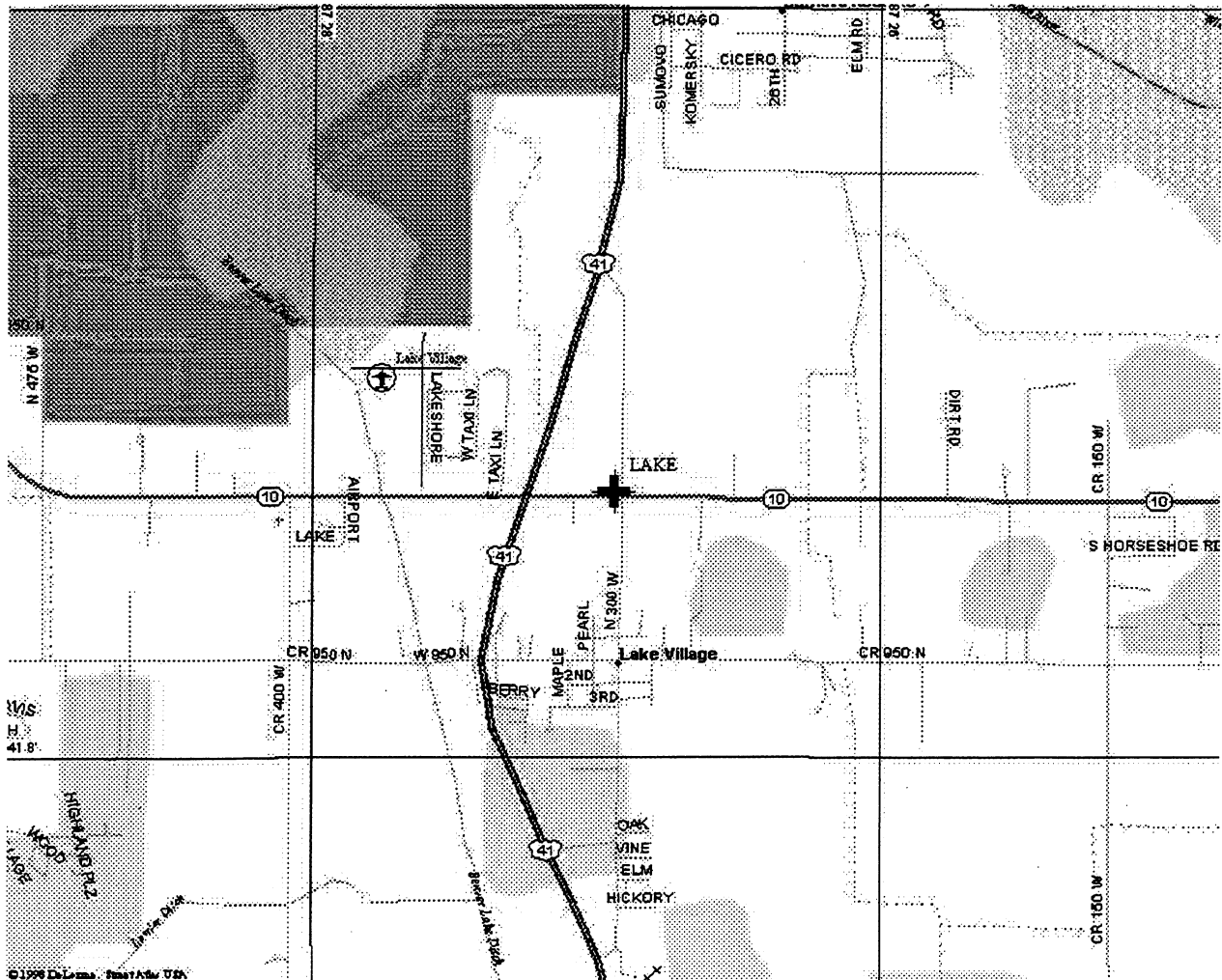
Designator LAKE VILLAGE

4-Character ID LAKE

County NEWTON

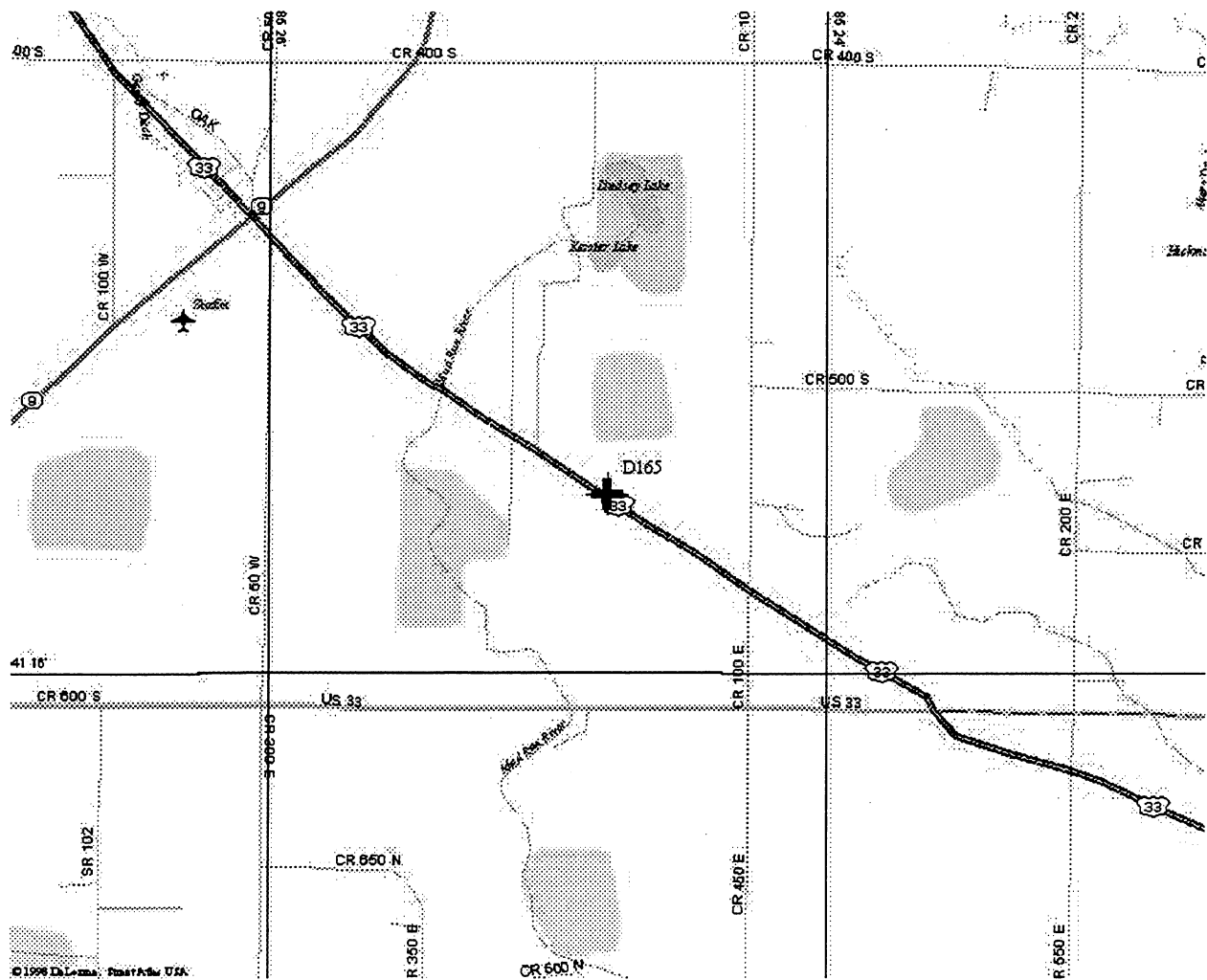
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED ABOUT 10 MILES (16.1 KM) WEST FROM INTERSTATE HIGHWAY 65, 4.95 MILES (7.97 KM) EAST OF THE ILLINOIS-INDIANA STATE LINE, 0.50 MILE (0.80 KM) EAST OF LAKE VILLAGE AND ON HIGHWAY RIGHT-OF-WAY. OWNERSHIP--INDIANA DEPARTMENT OF TRANSPORTATION, 100 N. SENATE AVENUE, ROOM 1101, STATE OFFICE BUILDING, INDIANAPOLIS IN 46204, HENRY ALDRIDGE, PHONE 317-232-6764. TO REACH THE STATION FROM INTERSTATE HIGHWAY 65 AND STATE ROAD 10, GO EAST FOR 10.1 MILES (16.3 KM) ON STATE HIGHWAY 10 TO A CROSSROAD (OLD HIGHWAY 41) AND THE STATION, IN THE NORTHWEST QUADRANT OF THE INTERSECTION. THE STATION IS SET IN THE TOP OF A ROUND CONCRETE MONUMENT FLUSH WITH GROUND. LOCATED 30.48 METERS (100.00 FT) NORTH FROM THE CENTER OF STATE HIGHWAY 10, 28.96 METERS (95.01 FT) WEST FROM THE CENTER OF OLD HIGHWAY 41, 14.33 METERS (47.01 FT) EAST-NORTHEAST FROM A UTILITY POLE AND 12.95 SOUTH-SOUTHWEST FROM A UTILITY POLE.



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS 1.4 MILES (2.3 KM) SOUTHEAST OF MERRIAM. FROM COLUMBIA CITY TAKE U.S. HIGHWAY 9 NORTH TO U.S. HIGHWAY 33 SOUTH. TOWN OF MERRIAM IS AT THIS INTERSECTION. SEE FIRST COMMENT - STATION IS ABOUT 25 FEET (7.6 M) NORTHEAST OF THE CENTER OF HIGHWAY 33. STATION IS 165 FEET (50.3 M) NORTHWEST OF PROJECTED PLANE OF NORTHWEST WALL OF A 2-STORY, WHITE FARMHOUSE. NOBLE COUNTY SURVEYOR Poured ADDITIONAL CONCRETE AROUND MONUMENT ON 8-8-97 DUE TO DITCH UNDERCUTTING AND EROSION. THREE BRIGHT ORANGE-PAINTED STEEL POSTS WERE ALSO SET AROUND MONUMENT BY NOBLE COUNTY SURVEYOR SCOTT D. ZEIGLER, PLS, PHONE 219-636-2131. PROPERTY OWNED BY MEL EGUFF.MD0939 RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (TEM) RECOVERED AS DESCRIBED WOOLPERT 1998 (TEM), EXCEPT THAT THE STATION IS 1.4 MI (2.3 KM) SOUTH OF THE INTERSECTION OF STATE ROUTE 33 AND STATE ROUTE 9 ALONG STATE ROUTE 33.



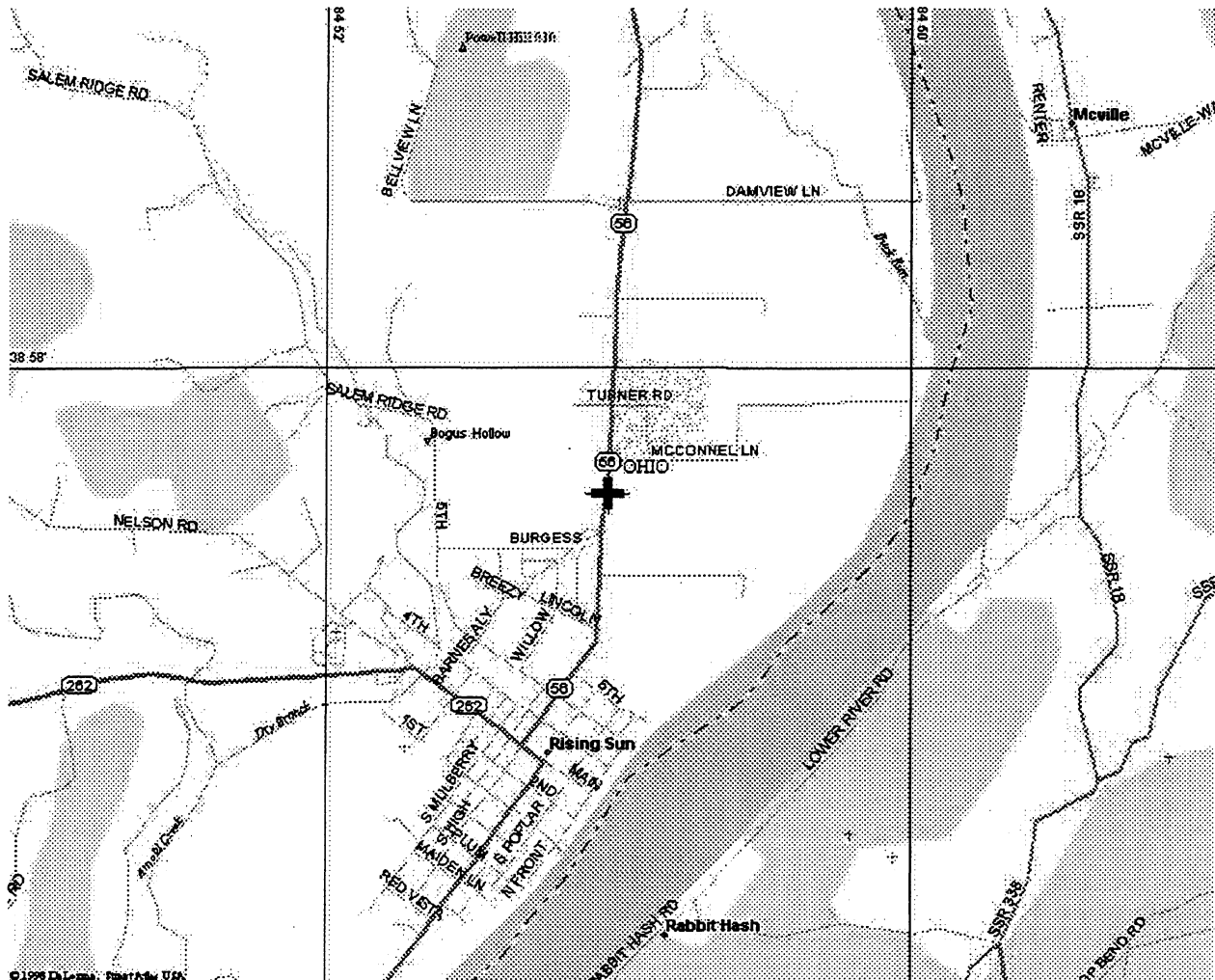
Designator OHIO

4-Character ID OHIO

County OHIO

Description and Location Map

DESCRIBED BY WOOLPERT CONSULTANTS 1998 (JCB) DESCRIBED BY WOOLPERT LLP 1998 (ARL). THE STATION IS 8 MI (12.9 KM) SOUTH OF LAWRENCEBURG, 0.7 MI (1.1 KM) NORTH OF RISING SUN, AT THE ENTRANCE TO THE GRAND VICTORIA CASINO IN THE HIGHWAY RIGHT OF WAY. TO REACH THE STATION FROM THE INTERSECTION OF STATE RT 56 AND STATE RT 262 IN RISING SUN, GO NORTH ALONG STATE RT 56 FOR 0.7 MI (1.1 KM) TO THE STATION ON THE RIGHT. THE STATION IS LOCATED APPROXIMATELY 160 FT (48.8 M) NORTH OF THE NORTH ENTRANCE TO THE GRAND VICTORIA CASINO AND RESORT ON THE EAST SIDE OF THE ROAD. THE STATION IS THE TOP CENTER OF A STAINLESS STEEL ROD DRIVEN TO REFUSAL TO A DEPTH OF 33 FT (10.1 M) IN A 2.5 CM GREASE FILLED SLEEVE 90 CM LONG ENCASED IN A 0.5 FT (15.2 CM) DIA. PVC PIPE WITH ALUMINUM LOGO CAP. THE PVC PIPE IS SURROUNDED BY CONCRETE. THE LOGO CAP AND CONCRETE ARE SET FLUSH WITH THE GROUND. THE LOGO CAP IS STAMPED--OHIO 1998--. THE STATION IS 28.6 FT (8.7 M) EAST OF THE CENTERLINE OF STATE RT 56, 53.0 FT (16.2 M) SOUTHEAST OF A TRAFFIC SIGN --INDIANA 56 EAST--, 144.5 FT (44.0 M) NORTH OF A FIRE HYDRANT, AND 60.9 FT (18.6 M) NORTHWEST OF POWER POLE RL100-2.



Designator FRENCH AZ MK

4-Character ID FREZ

County ORANGE

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED ABOUT 20 MILES (32.2 KM) SOUTHEAST OF LOOGOOTE, 10.00 MILES (16.09 KM) SOUTHWEST OF PAOLI, 4 MILES (6.4 KM) SOUTH OF FRENCH LICK, AT THE FRENCH LICK MUNICIPAL AIRPORT. TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 145 AND 56 IN FRENCH LICK, GO SOUTH ON STATE ROAD 145 FOR 3.70 MILES (5.95 KM) TO COUNTY ROAD 350 SOUTH. TURN RIGHT AND GO WEST 2.00 MILES (3.22 KM) TO GATE AND OFFICE. PASS THROUGH GATE FOR 0.10 MILES (0.16 KM) TO RUNWAY. TURN LEFT AND GO SOUTHWEST ALONG RUNWAY FOR 0.30 MILES (0.48 KM) TO STATION ON RIGHT. OWNERSHIP--CITY OF FRENCH LICK, CITY HALL, FRENCH LICK IN 47432, PHONE 812-936-2222. THE STATION IS SET IN A 20 CM ROUND CONCRETE FLUSH WITH GROUND, AZIMUTH 123 DEGREES 35.40 METERS (116.14 FT) TO NORTHWEST CORNER RUNWAY NUMBER 8, AZIMUTH 127 DEGREES 35.6 METERS (116.8 FT) TO NORTHERNMOST RUNWAY LIGHT, AZIMUTH 322 DEGREES 1.2 METERS (3.9 FT) TO A ORANGE FIBERGLASS WITNESS POST.



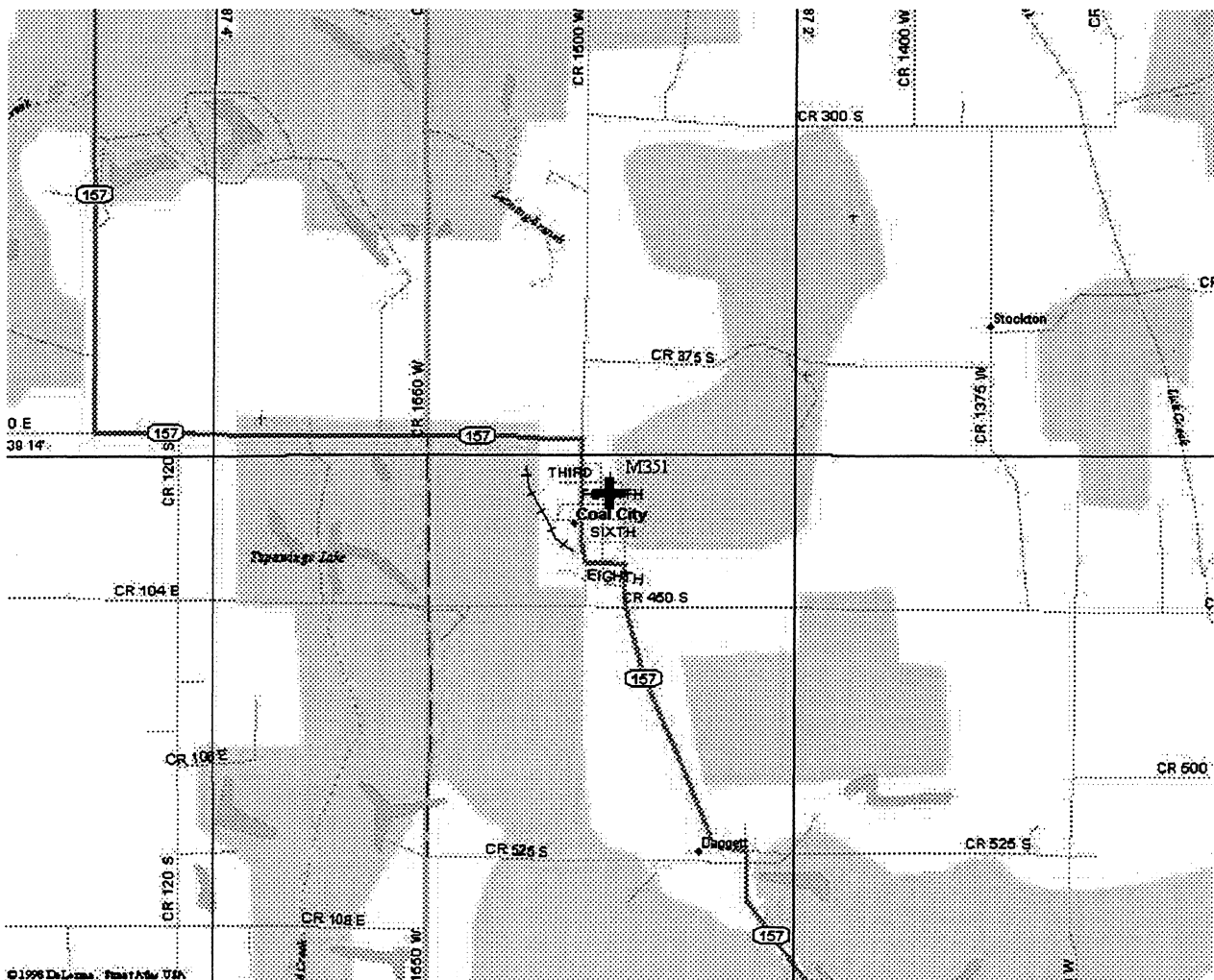
Designator M 351

4-Character ID M351

County OWEN

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED 11.8 KM (7.35 MI) SOUTHEAST OF CLAY CITY, IN COAL CITY. FROM THE INTERSECTION OF STATE HIGHWAY 157 AND STATE HIGHWAY 59 IN CLAY CITY, GO 7.1 MILES (11.4 KM) SOUTHEASTERLY ALONG STATE HIGHWAY 157, THEN TURN LEFT (NORTH) ON A PAVED STREET (COUNTY ROAD 1495) AND GO 0.25 MILES (0.40 KM) TO THE STATION ON RIGHT. OWNERSHIP-- COAL CITY FITNESS CENTER, BILL MEGENHARDT, PHONE 765-859-4569. THE STATION IS A STAINLESS STEEL ROD IN SLEEVE UNDER A 5 INCH LOGO CAP SET ABOUT THE SAME LEVEL AS THE STREET. STATION IS 10.06 METERS (33.01 FT) NORTHWEST OF SOUTHWEST CORNER OF COAL CITY FITNESS CENTER, 8.84 METERS (29.00 FT) EAST OF THE CENTERLINE OF COUNTY ROAD 1495, 6.5 METERS (21.3 FT) SOUTHEAST OF A UTILITY POLE WITH TRANSFORMER, 4.36 METERS (14.30 FT) WEST OF THE NORTHWEST CORNER OF THE COAL CITY FITNESS CENTER AND 3.05 METERS (10.01 FT) SOUTH OF A GRAVEL DRIVE LEADING EAST.



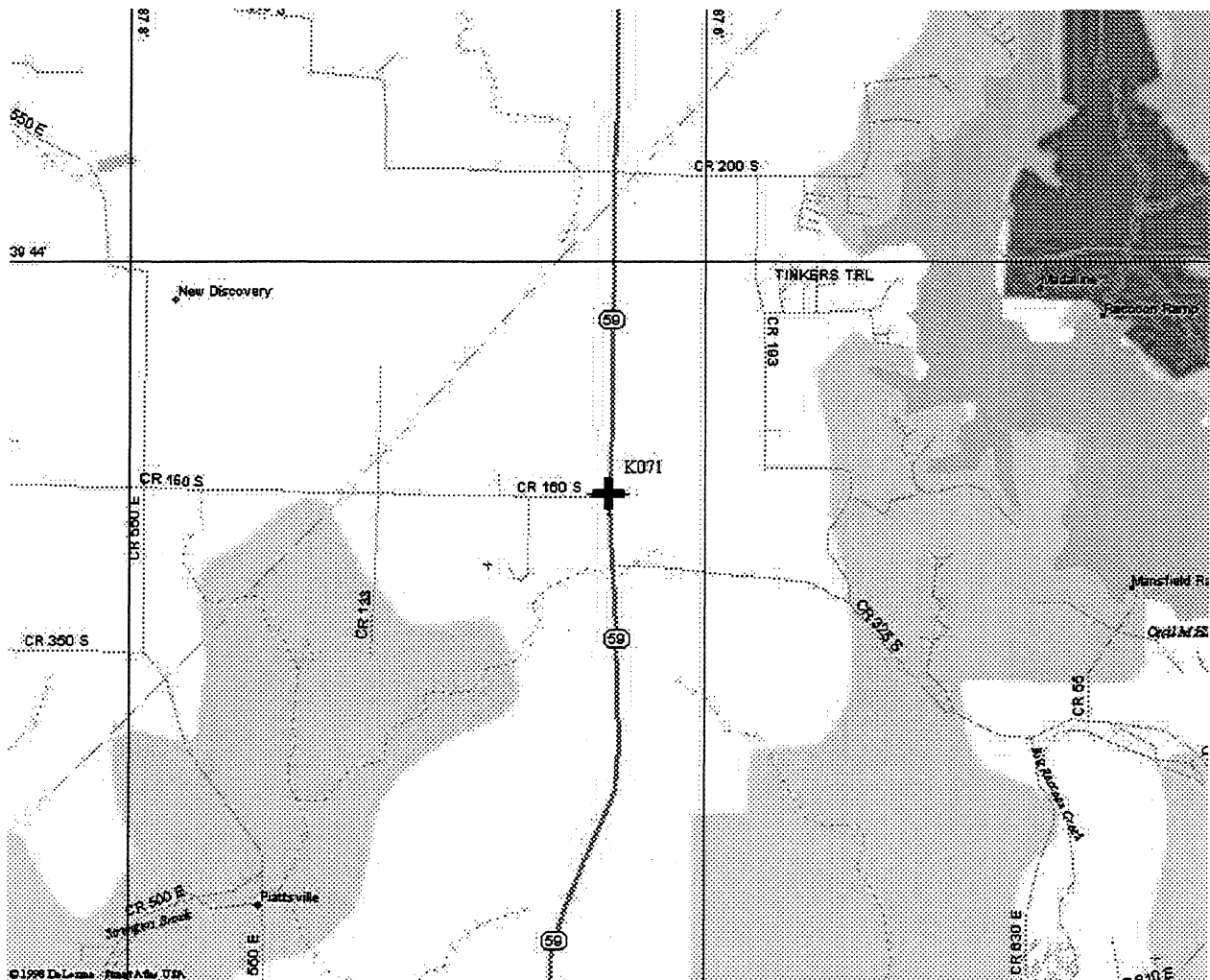
Designator K 71 RESET

4-Character ID K071

County PARKE

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THIS STATION IS LOCATED ABOUT 20 MILES (32.2 KM) NORTHEAST OF TERRE HAUTE. TO REACH THE STATION FROM THE SOUTH, GO NORTH ON STATE ROUTE 59 FOR 14.3 MILES (23.0 KM) FROM U.S. HIGHWAY 40. FROM THE NORTH, GO 2.5 MILES (4.0 KM) SOUTH ON STATE ROUTE 59 FROM U.S. HIGHWAY 36 TO THE INTERSECTION OF STATE ROUTE 59 AND COUNTY ROAD 160 SOUTH (WEST BOUND FROM STATE ROUTE 59). CONTACT IS INDOT, HENRY ALDRIDGE, 100 NORTH SENATE AVENUE, INDIANAPOLIS IN 46204-2249, PHONE 317-232-6764. LOCATED AT AZIMUTH 188 DEGREES AND 34.52 METERS (113.25 FT) TO A STOP SIGN (EASTBOUND 160 SOUTH), AZIMUTH 72 DEGREES AND 31.27 METERS (102.59 FT) TO POWER POLE NUMBER A/A129, AZIMUTH 180 DEGREES AND 28.50 METERS (93.50 FT) TO THE CENTERLINE OF 160 SOUTH, AZIMUTH 90 DEGREES AND 15.12 METERS (49.61 FT) TO THE CENTERLINE OF STATE ROUTE 59, AZIMUTH 30 DEGREES AND 0.50 METER (1.64 FT) TO A RIGHT-OF-WAY MARKER, NORTHWEST QUADRANT OF INTERSECTION.



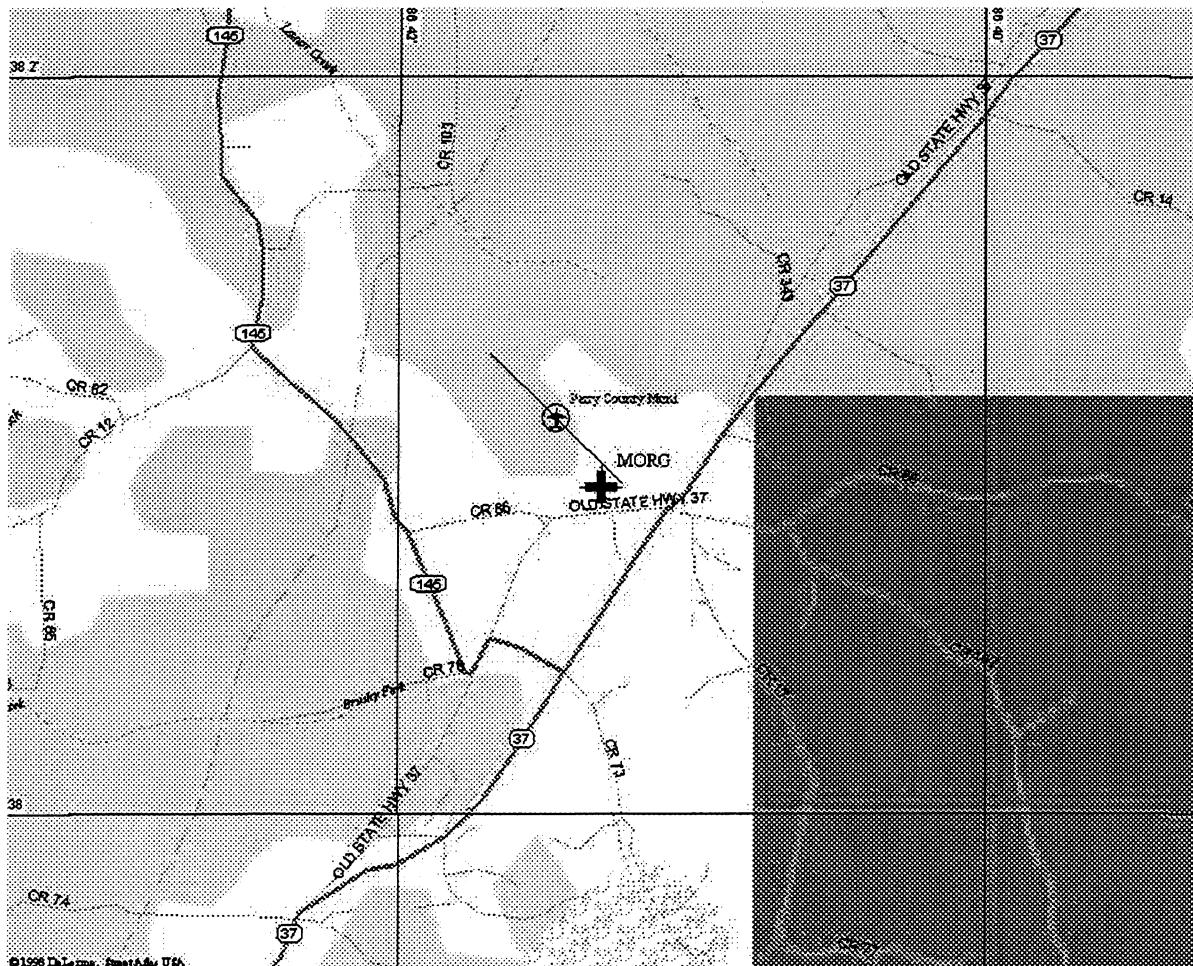
Designator MORGAN

4-Character ID MORG

County PERRY

Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED 24 KM (14.90 MI) SOUTH OF INTERSTATE HIGHWAY 64, 12 KM (7.45 MI) NORTHEAST OF TELL CITY AT THE PERRY COUNTY MUNICIPAL AIRPORT, IN GRASS ADJACENT TO THE AIRPORT OFFICE, AND BETWEEN THE RUNWAY AND A PAVED ROAD LEADING FROM A PARKING LOT TO THE APRON. OWNERSHIP--MORGAN AVIATION, HC64, BOX 103, TELL CITY IN 47586. AIRPORT MANAGER IS JESSE MORGAN, PHONE 812-836-2697. TO REACH FROM THE JUNCTION OF STATE HIGHWAYS 37 (PAYNE STREET) AND 66 EAST (12TH STREET) IN TELL CITY, GO EAST AND NORTHEAST ON HIGHWAY 37 FOR 9.2 KM (5.70 MI) TO A PAVED CROSSROAD (OLD HIGHWAY 37). TURN LEFT, NORTHWEST ON THE ROAD FOR 0.3 KM (0.20 MI) TO THE AIRPORT ENTRANCE ROAD ON THE RIGHT. TURN RIGHT, NORTH ON THE ROAD FOR 0.2 KM (0.10 MI) TO A GATE IN THE PARKING LOT. TURN LEFT, NORTHWEST, PASSING THROUGH THE GATE ON A PAVED ROAD FOR 30 M (98.4 FT) TO THE STATION ON THE RIGHT. THE STATION IS SET IN THE TOP OF A 25 CM ROUND CONCRETE POST SET FLUSH WITH THE GROUND. IT IS 44.6 M (146.3 FT) SOUTHEAST OF THE SOUTHEAST EDGE OF A CONNECTOR TAXI, 31.4 M (103.0 FT) NORTH-NORTHEAST OF THE NORTH CORNER OF THE OFFICE AND HANGAR, 33.4 M (109.6 FT) NORTHEAST OF THE NORTHEAST EDGE OF THE APRON, 18.4 M (60.4 FT) NORTH OF THE NORTH EDGE OF THE CIRCULAR DRIVE TO THE APRON, 16.4 M (53.8 FT) EAST-NORTHEAST OF THE NORTHEAST CORNER OF THE CONCRETE WALL AROUND THE FUEL TANKS, AND 15.9 M (52.2 FT) NORTHWEST OF BIRDHOUSE TYPE WEATHER MONITOR ON A 4 X 4 INCH WOODEN POST. NOTE--THIS STATION IS DESIGNATED AS THE PRIMARY AIRPORT CONTROL STATION.



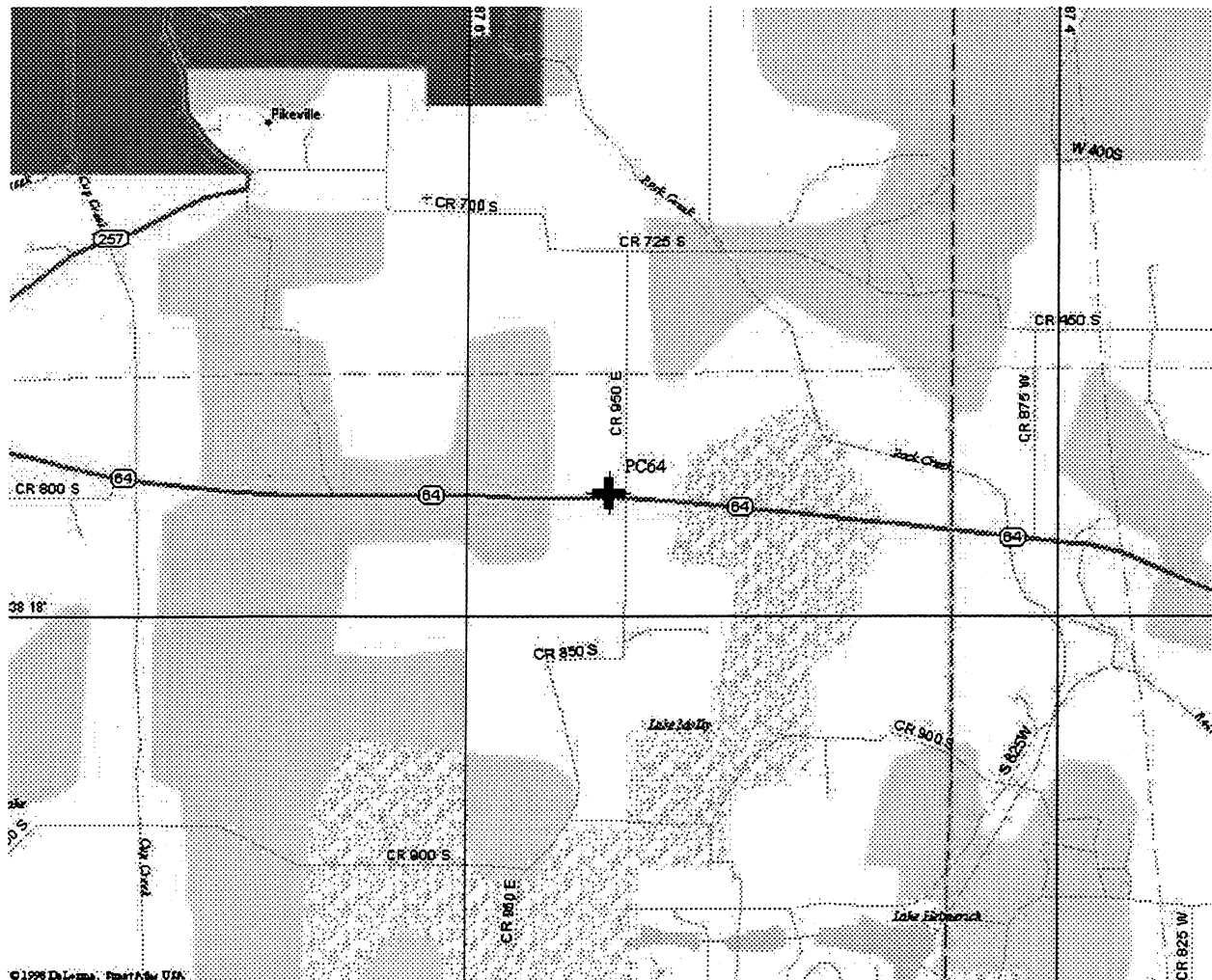
Designator PC 64

4-Character ID PC64

County PIKE

Description and Location Map

DESCRIBED BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS LOCATED 16 KM (9.95 MI) WEST-NORTHWEST OF HUNTINGBURG AND 1.6 KM (1.00 MI) SOUTH-SOUTHEAST OF PIKEVILLE. TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAY 64 AND STATE HIGHWAY 257, GO EAST ALONG STATE HIGHWAY 64 FOR 2.35 MILES (3.78 KM) TO THE STATION ON LEFT, IN THE RIGHT-OF-WAY OF STATE HIGHWAY 64. OWNERSHIP--INDIANA DEPARTMENT OF TRANSPORTATION, 100 N. SENATE AVENUE, ROOM 1101, STATE OFFICE BUILDING, INDIANAPOLIS IN 46204, HENRY ALDRIDGE, PHONE 317-232-6764. THE STATION IS AN UNSTAMPED STAINLESS STEEL PIN WITH A PUNCH MARK IN THE CENTER, SET IN A 10 FOOT (3.0 M) X 30 FOOT (9.1 M) AREA OF EXPOSED BEDROCK ABOUT 2 METERS (6.6 FT) ABOVE STATE HIGHWAY 64. STATION IS 80.77 METERS (264.99 FT) WEST OF CENTERLINE OF COUNTY ROAD 1000 EAST, 17.80 METERS (58.40 FT) SOUTHEAST OF A POWER POLE, 10.8 METERS (35.4 FT) NORTH OF THE CENTERLINE OF STATE HIGHWAY 64 AND 0.233 METERS (0.764 FT) EAST OF ANOTHER STAINLESS STEEL PIN STAMPED---PC 64---. STATION IS SET FLUSH IN THE TOP OF BEDROCK.



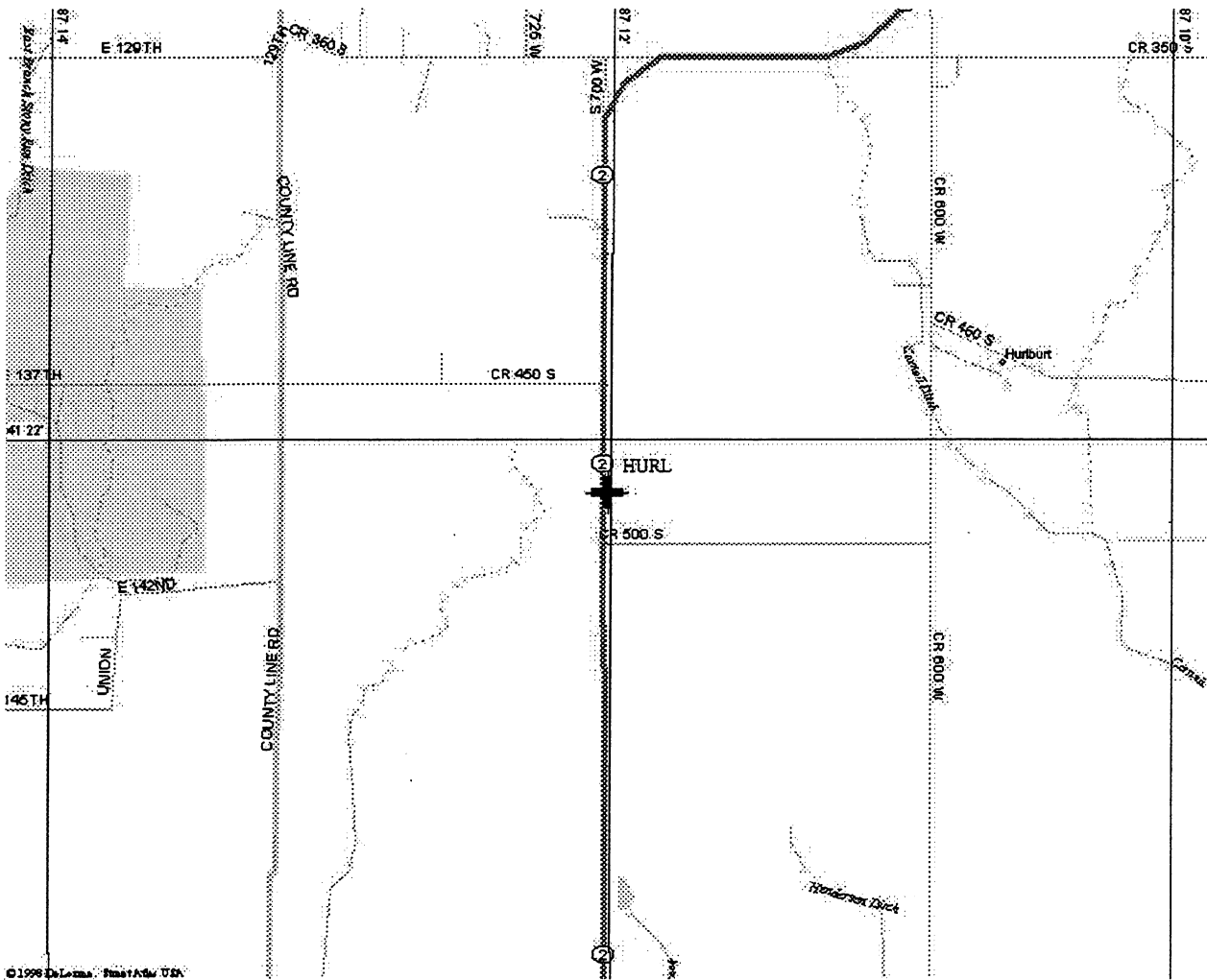
Designator HURLBURT

4-Character ID HURL

County PORTER

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED ABOUT 10.4 MILES (16.7 KM) SOUTHWEST OF VALPARAISO AND 3.2 MILES (5.1 KM) NORTH OF HEBRON. TO REACH THE STATION FROM THE JUNCTION OF STATE ROAD 8 AND STATE ROAD 2 IN HEBRON, GO NORTH ON STATE ROAD 2 FOR 3.2 MILES (5.1 KM) TO THE DRIVEWAY OF RUSSELL STEINHLBER. THE STATION IS 9.15 METERS (30.02 FT) SOUTH OF THE CENTERLINE OF A 3.50 METER (11.48 FT) ASPHALT DRIVEWAY AND 15.65 METERS (51.35 FT) EAST OF THE CENTERLINE OF STATE ROAD 2 ON THE PROPERTY OF RUSSEL STEINHLBER, 483 SOUTH STATE ROAD 2, HEBRON IN 46341, PHONE 219-996-6344. THE STATION IS SET IN THE TOP OF A SQUARE CONCRETE MONUMENT FLUSH WITH GROUND, AZIMUTH 127 DEGREES 54.86 METERS (179.99 FT) TO THE SOUTHWEST CORNER OF BARN, AZIMUTH 105 DEGREES 46.07 METERS (151.15 FT) TO THE NORTHWEST CORNER OF BARN, AZIMUTH 45 DEGREES 41.64 METERS (136.61 FT) TO THE SOUTHWEST CORNER OF THE 1-STORY ADDITION TO THE STEINHLBER 2-STORY HOUSE, AZIMUTH 348 DEGREES 29.26 METERS (96.00 FT) TO A POWER POLE AND AZIMUTH 195 DEGREES 27.67 METERS (90.78 FT) TO HURLBURT RM 1.



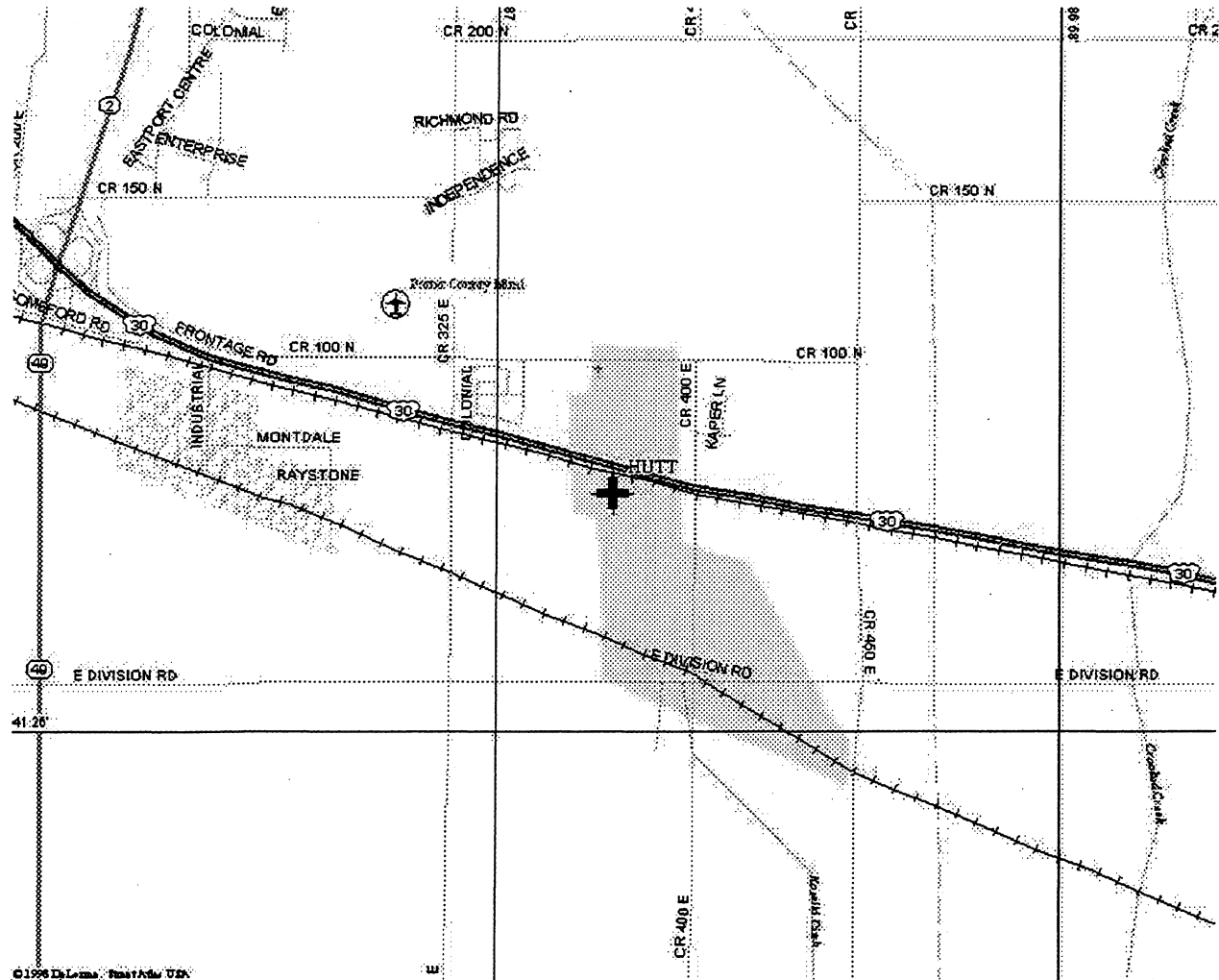
Designator HUTTON

4-Character ID HUTT

County PORTER

Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1992 3.1 KM (1.90 MI) EASTERLY ALONG U.S. HIGHWAY 30 FROM THE JUNCTION OF STATE HIGHWAY 49 IN VALPARAISO, 15.9 M (52.2 FT) NORTH-NORTHEAST OF THE NEAR RAIL OF THE CONRAIL RAILROAD, 12.3 M (40.4 FT) SOUTH-SOUTHWEST OF THE CENTERLINE OF THE EASTBOUND LANES OF THE HIGHWAY, 10.8 M (35.4 FT) NORTHEAST OF REFERENCE MARK 2, 10.0 M (32.8 FT) NORTHWEST OF REFERENCE MARK 1, 1.2 M (3.9 FT) WEST OF UTILITY POLE NUMBER 420-820, 0.8 M (2.6 FT) BELOW THE LEVEL OF THE HIGHWAY, 0.6 M (2.0 FT) EAST OF A WITNESS POST, AND THE MONUMENT IS FLUSH WITH THE GROUND SURFACE.



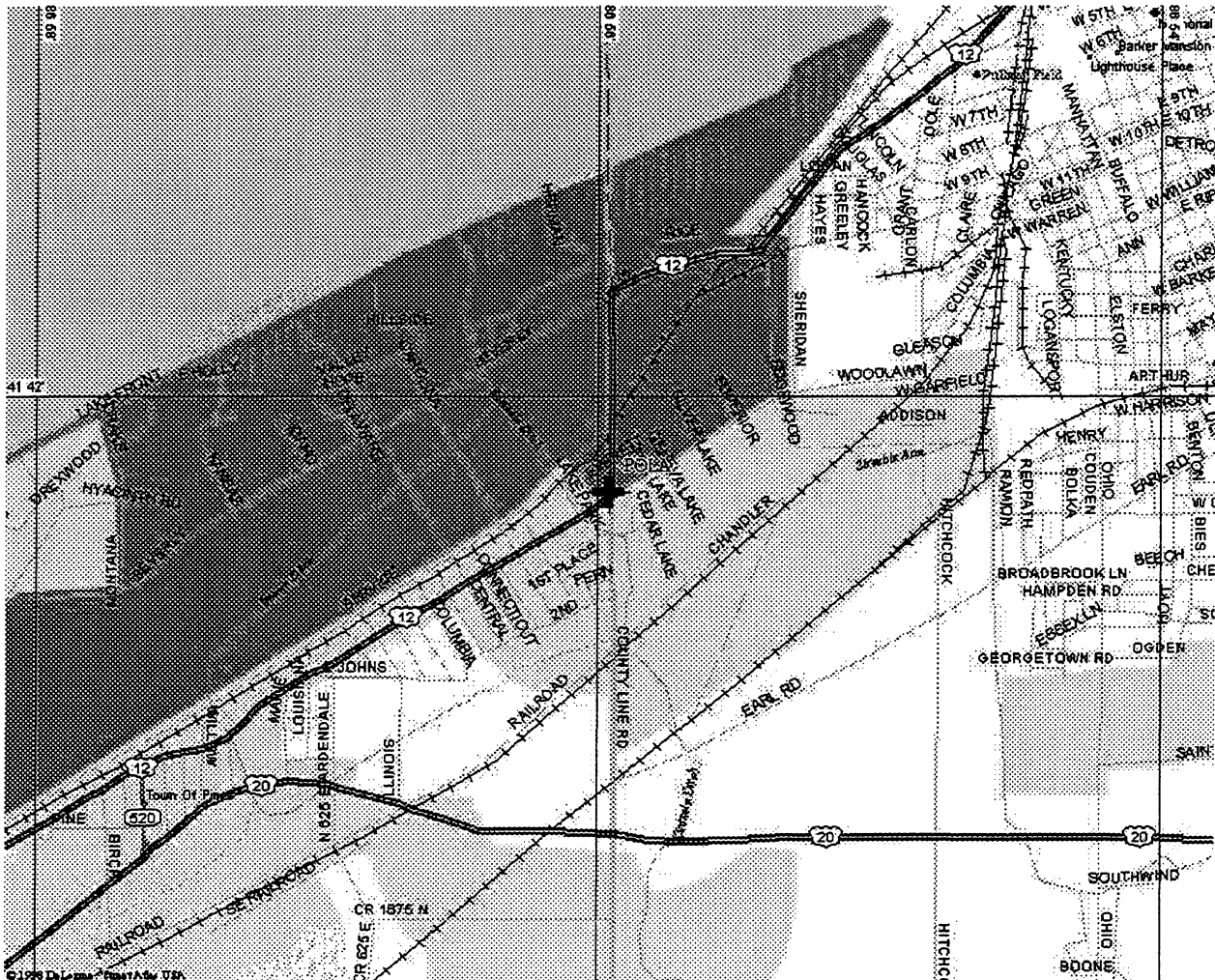
Designator POLA

4-Character ID POLA

County PORTER

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS 2.5 MILES (4.0 KM) SOUTHWEST OF MICHIGAN CITY. TO REACH STATION FROM THE INTERSECTION OF STATE HIGHWAY 520 AND U.S. HIGHWAY 12, GO EAST ON U.S. HIGHWAY 12 FOR 1.6 MILES (2.6 KM) TO COUNTY LINE ROAD. STATION IS LOCATED IN A TRIANGULAR PLOT OF LAND FORMED BY INTERSECTION OF U.S. HIGHWAY 12, COUNTY LINE ROAD AND WOODLAWN AVENUE, IN THE RIGHT-OF-WAY OF U.S. HIGHWAY 12. OWNERSHIP--INDIANA DEPARTMENT OF TRANSPORTATION, 100 N. SENATE AVENUE, ROOM 1101, STATE OFFICE BUILDING, INDIANAPOLIS IN 46204, HENRY ALDRIDGE, PHONE 317-232-6764. STATION IS SET IN A SQUARE CONCRETE MONUMENT, ABOUT LEVEL WITH COUNTY LINE ROAD. IT IS 17.0 METERS (55.8 FT) NORTH OF THE CENTERLINE OF WOODLAWN AVENUE, 15.8 METERS (51.8 FT) NORTHWEST OF THE CENTERLINE INTERSECTION OF WOODLAWN AVENUE AND COUNTY LINE ROAD, 15.2 METERS (49.9 FT) SOUTHEAST OF THE CENTERLINE OF U.S. HIGHWAY 12 AT CURVE, 9.8 METERS (32.2 FT) WEST OF THE CENTERLINE OF COUNTY LINE ROAD AND FLUSH WITH GROUND.



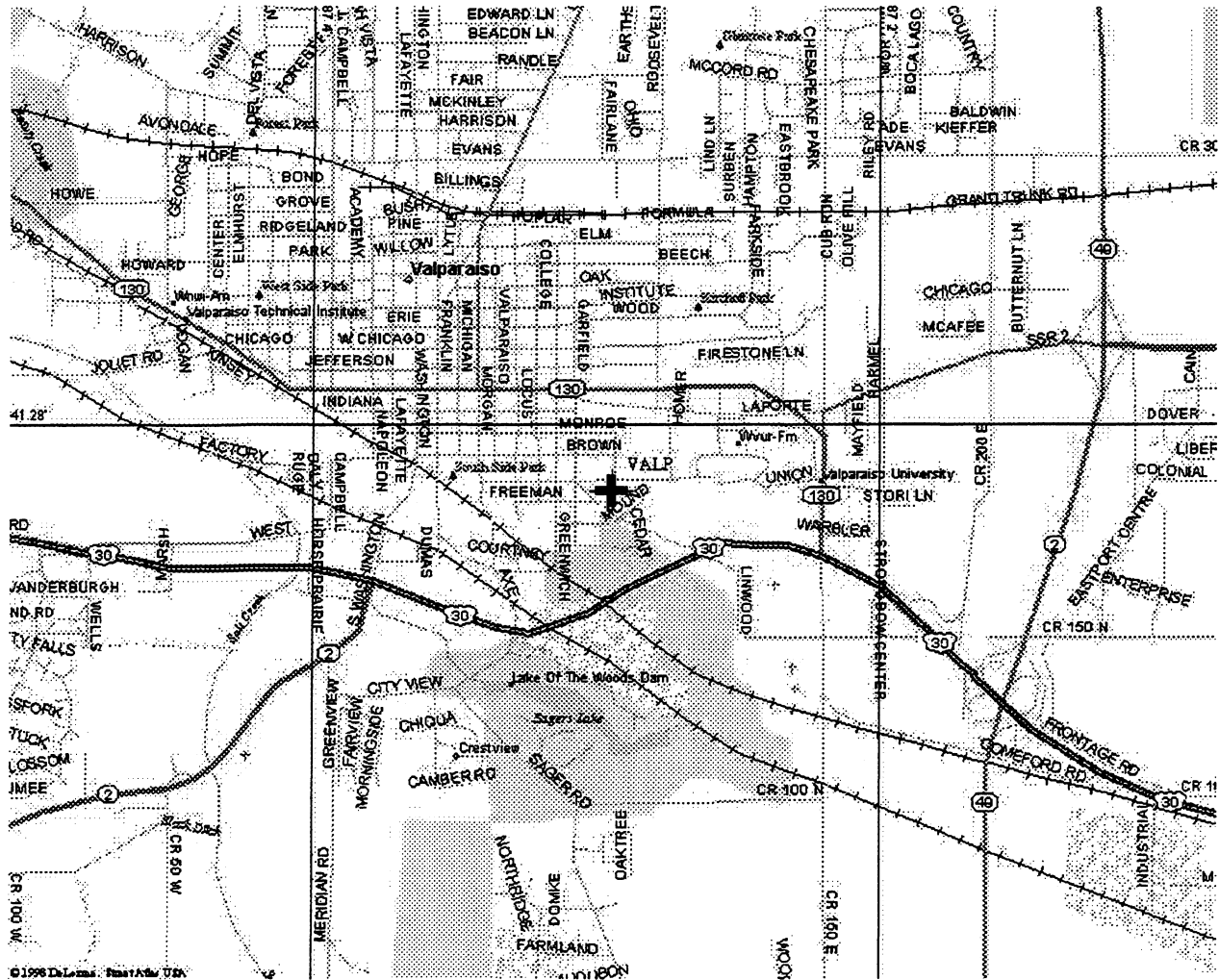
Designator VALPARAISO

4-Character ID VALP

County PORTER

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS LOCATED IN VALPARAISO, ON THE GROUNDS OF VALPARAISO UNIVERSITY, NEAR THE SOUTHWEST CORNER OF THE GYMNASIUM AT THE INTERSECTION OF UNION STREET AND UNIVERSITY PARK AVENUE. TO REACH THE STATION FROM U.S. HIGHWAY 30 AT ITS INTERSECTION WITH INDIANA HIGHWAY 49, GO WEST ON HIGHWAY 30 FOR 1.0 MILES (1.6 KM) TO LINWOOD STREET BY ALS DINER RESTAURANT, THEN RIGHT AND GO NORTHWESTERLY 0.4 MILE (0.6 KM) TO UNION STREET, TURN RIGHT AND GO EASTERLY ON UNION STREET FOR 0.2 MILE (0.3 KM) TO UNIVERSITY PARK AVENUE AND STATION ON LEFT NEAR SOUTHWEST CORNER OF GYMNASIUM. STATION IS SET IN A ROUND CONCRETE MONUMENT FLUSH WITH GROUND. ACCURATE REFERENCE MONUMENTS WERE SEARCHED FOR BUT NOT FOUND, PROBABLY DUE TO STREET WIDENING AND SIDEWALK CONSTRUCTION. SOUTHWEST CORNER OF GYMNASIUM MAG AZIMUTH 74 DEGREES 25.45 METERS (83.50 FT), FIRE HYDRANT AT NORTHWEST CORNER OF UNION STREET AND UNIVERSITY PARK AVENUE MAG AZIMUTH 271 DEGREES 25.80 METERS (84.65 FT), AREA LIGHT MAG AZIMUTH 98 DEGREES 11.10 METERS (36.42 FT), UNION STREET SOUTH 11.35 METERS (37.24 FT) AND UNIVERSITY PARK AVENUE WEST 16.70 METERS (54.79 FT). VALPARAISO UNIVERSITY PHYSICAL PLAN DIRECTOR - FREDRICK PLANT, 1500 LINCOLNWAY, VALPARAISO IN 46383, PHONE 219-464-5130.



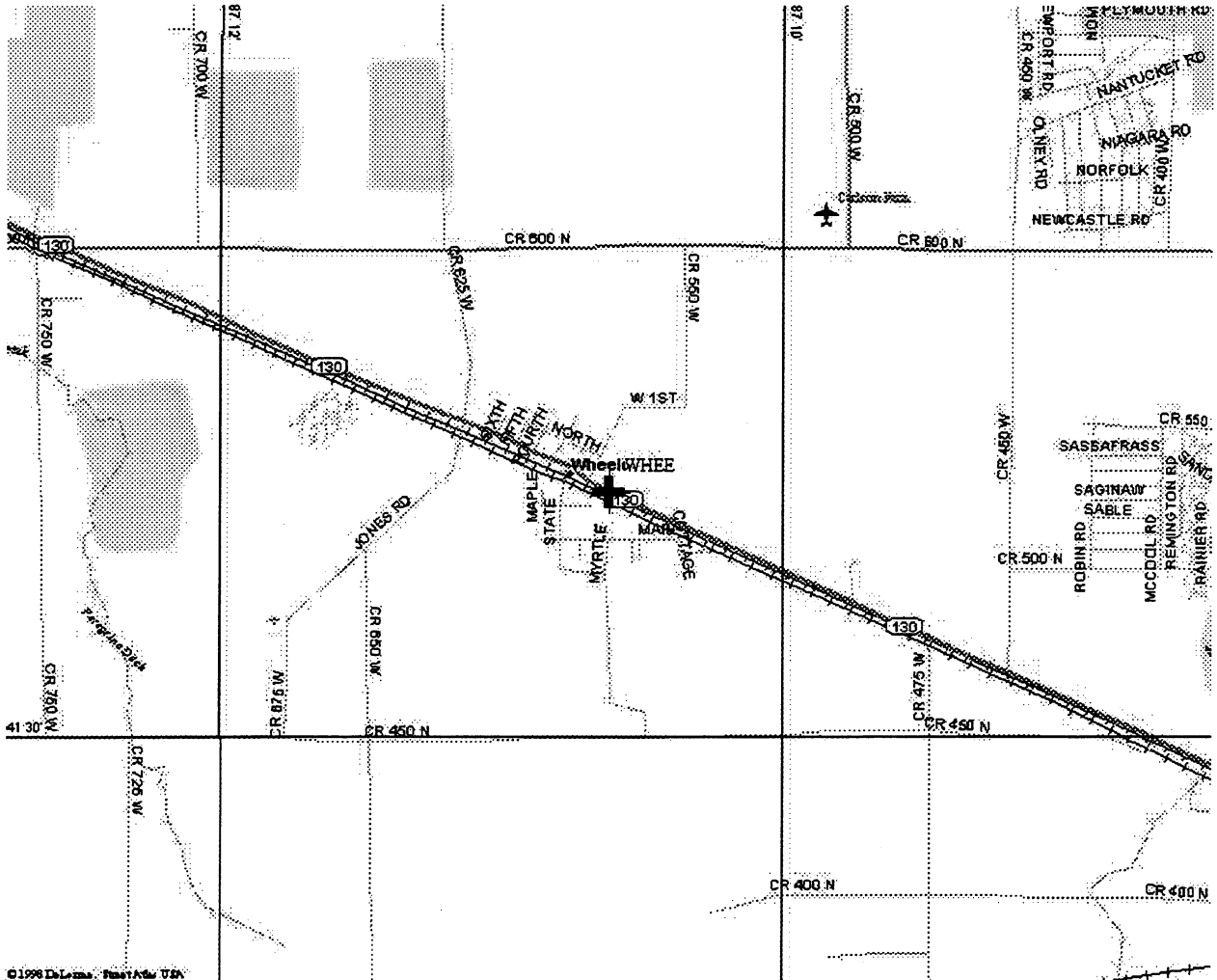
Designator WHEELER

4-Character ID WHEE

County PORTER

Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1992 0.2 KM (0.10 MI) NORTHERLY ALONG MAIN STREET FROM THE POST OFFICE IN HOBART, THENCE 0.4 KM (0.25 MI) NORTHEASTERLY ALONG FRONT STREET, THENCE 7.0 KM (4.35 MI) SOUTHEASTERLY ALONG THE CONRAIL RAILROAD, 44.3 M (145.3 FT) NORTHEAST OF THE NEAR RAIL, 10.1 M (33.1 FT) NORTHEAST OF THE CENTERLINE OF STATE HIGHWAY 130, 8.6 M (28.2 FT) NORTHWEST OF REFERENCE MARK 1, 7.9 M (25.9 FT) SOUTHEAST OF REFERENCE MARK 2, 2.4 M (7.9 FT) NORTHWEST OF A UTILITY POLE, 0.6 M (2.0 FT) SOUTHWEST OF A WITNESS POST AND FENCE, 0.3 M (1.0 FT) ABOVE THE LEVEL OF THE HIGHWAY, AND THE MONUMENT IS FLUSH WITH THE GROUND SURFACE.



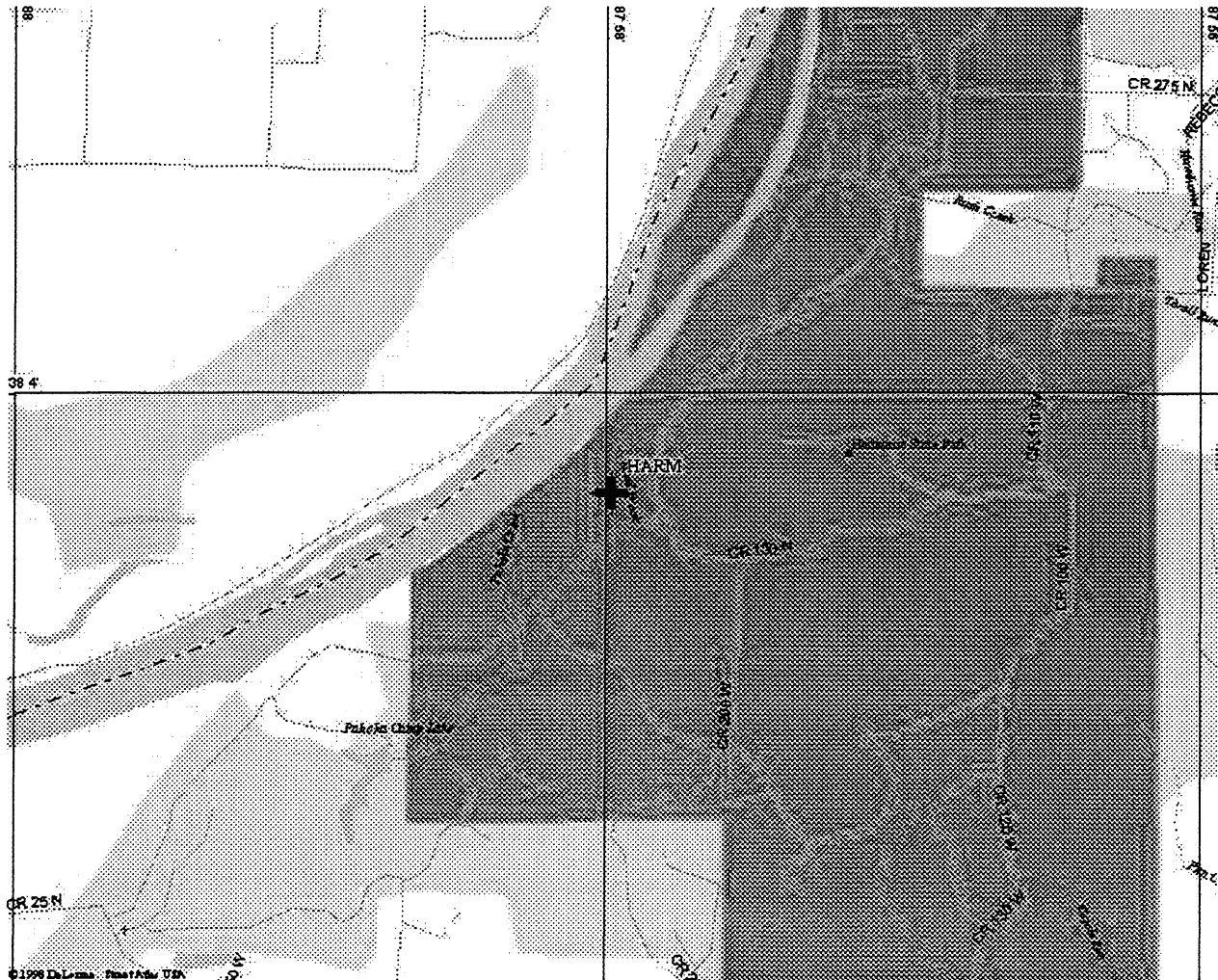
Designator HARM

4-Character ID HARM

County POSEY

Description and Location Map

DESCRIBED BY INDIANA UNIVERSITY 1997 (MH) 8.0 KILOMETERS (4.95 MI) SOUTHWEST OF NEW HARMONY. THE STATION IS A STAINLESS STEEL FLANGE ENCLOSED ROD WITHOUT SLEEVE WITH PUNCH MARK ON TOP CENTER ABOUT 0.1 METERS (0.3 FT) BELOW THE GROUND SURFACE WITH A DEPTH OF 11.6 METERS (38.1 FT) WITH 1.0 METERS (3.3 FT) LONG SLEEVE ENCASED IN A 5-INCH PVC PIPE WITH PVC CAP (CAP COMES OFF) SURROUNDED BY CONCRETE. AT JUNCTION OF STATE ROAD 66 AND STATE ROAD 69 IN NEW HARMONY, GO SOUTH 4.74 KILOMETERS (2.95 MI) ON HIGHWAY STATE ROAD 69 TO STATE ROAD 269. TURN RIGHT, WEST FOR 1.6 KILOMETERS (1.00 MI) ALONG ENTRANCE ROAD TO A SIDE ROAD RIGHT (FOLLOW WABASH RIVER SIGN). TURN RIGHT, WEST FOR 2.09 KILOMETERS (1.30 MI) ALONG ROAD TO SIGN POST (WABASH RIVER BOAT RAMP) AND AT A ROAD RIGHT. TURN RIGHT, NORTH FOR 0.2 KILOMETERS (0.10 MI) TO A BRICK SIGN POST MARKED WABASH RIVER BOAT RAMP. STATION IS RIGHT (EAST OF THIS POST) 23.5 METERS (77.1 FT) OR NORTHEAST CORNER OF BRICK SIGN POST, 29.7 METERS (97.4 FT) EAST OR NORTHEAST FROM CENTER OF ROAD NORTH AND SOUTH, 27.7 METERS (90.9 FT) SOUTHEAST OF A 5/8 INCH 4 FOOT (1.2 M) HIGH UNDERGROUND GAS PIPELINE VENT PIPE. OWNERSHIP - STATE OF INDIANA. CONTACT - INDIANA DEPARTMENT OF NATURAL RESOURCES FOR ACCESS AFTER HOURS. 30.59 KILOMETERS (19.00 MI) NORTHWEST OF MOUNT VERNON, 60.38 KILOMETERS (37.50 MI) SOUTHWEST OF PRINCETON, 45.08 KILOMETERS (28.00 MI) SOUTHEAST OF EVANSVILLE.



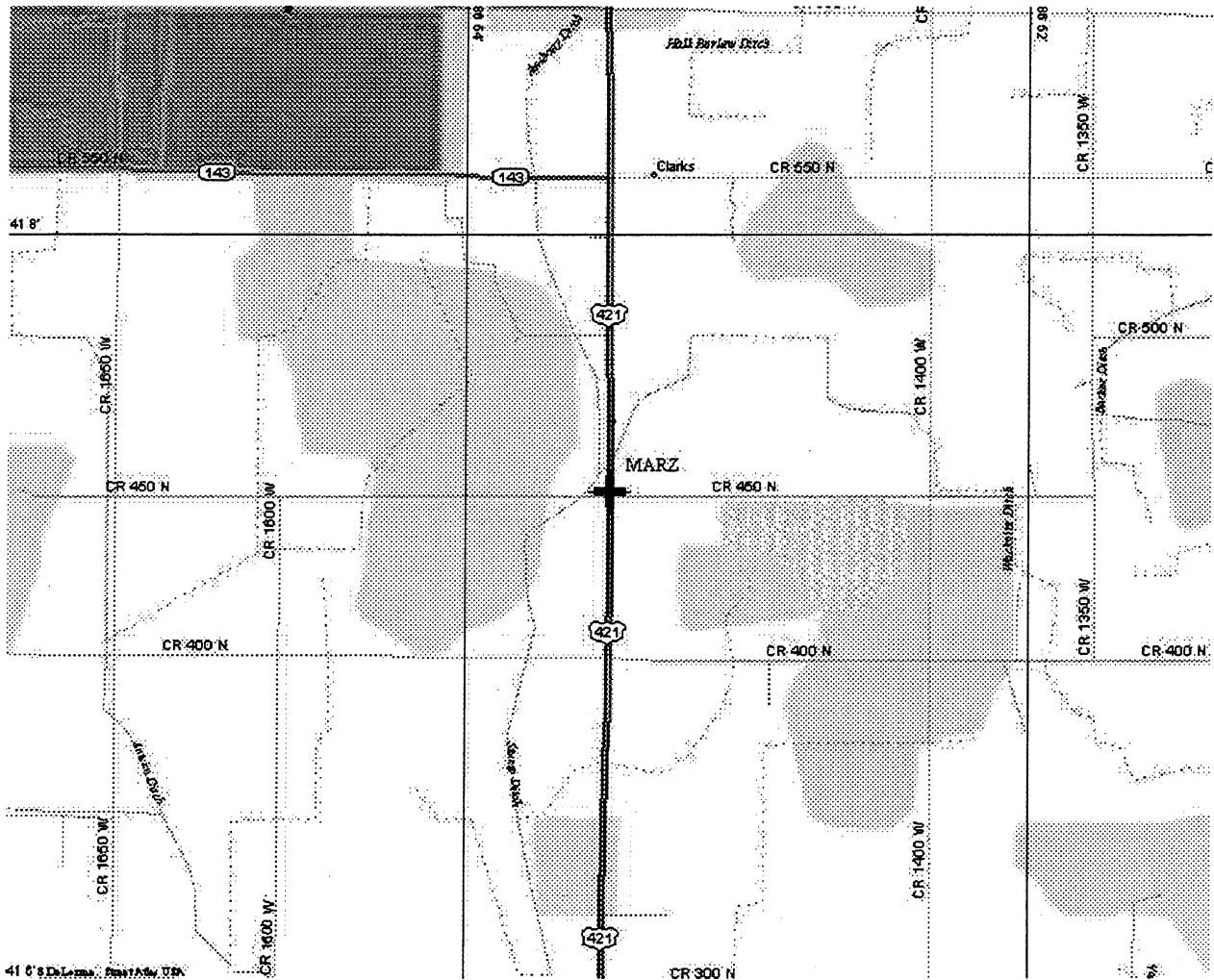
Designator MARY AZ MK

4-Character ID MARZ

County PULASKI

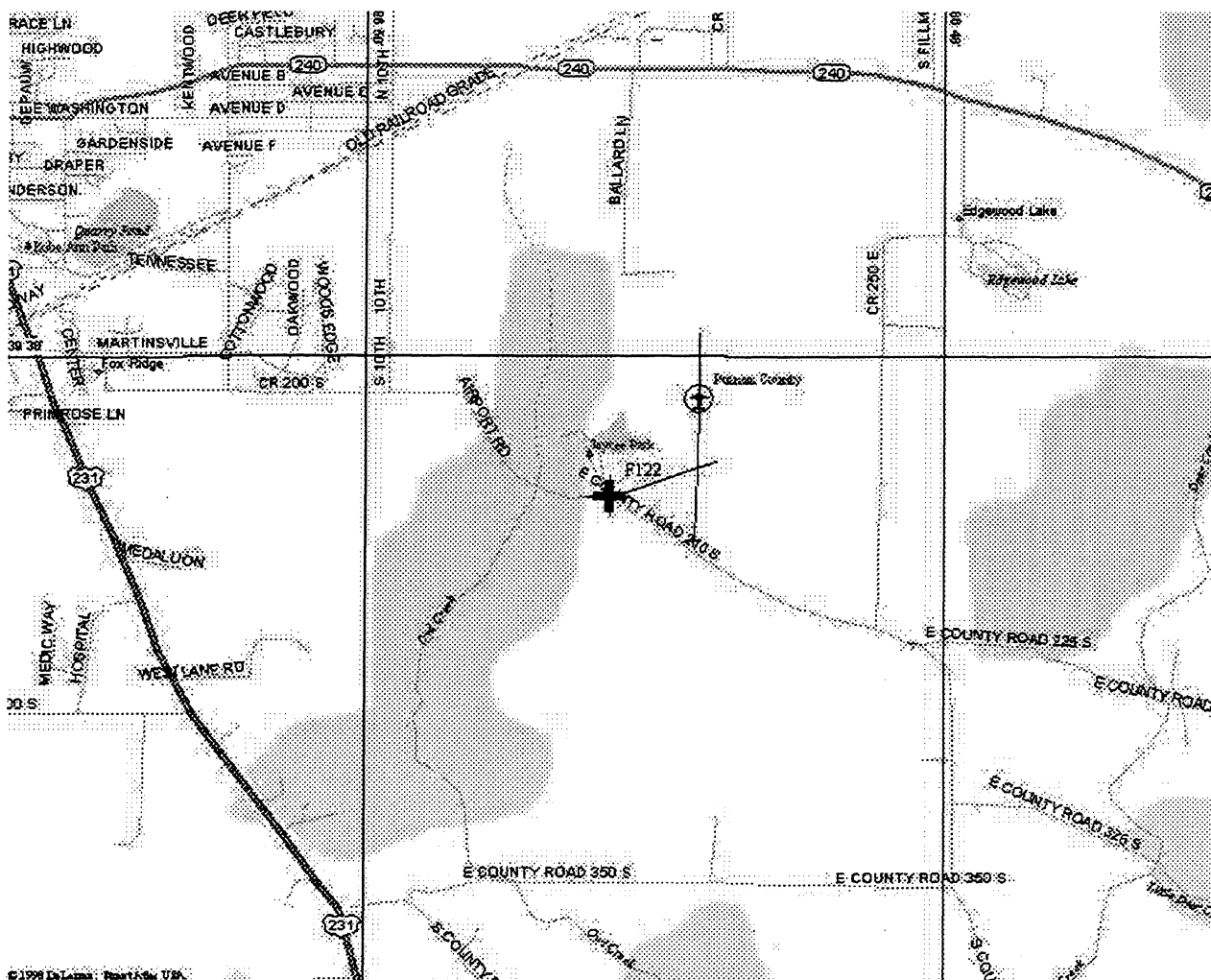
Description and Location Map

DESCRIBED BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED ABOUT 28 KM (17.40 MI) NORTHEAST OF RENSSELAER, 3 KM (1.85 MI) NORTH OF MEDARYVILLE, IN THE NORTHWEST QUADRANT OF THE JUNCTION OF U.S. HIGHWAY 421 AND COUNTY ROAD 450N, NEAR THE EAST EDGE OF A PASTURE AND IN THE HIGHWAY RIGHT-OF-WAY. OWNERSHIP- INDIANA DEPARTMENT OF TRANSPORTATION. TO REACH FROM THE JUNCTION OF U.S. HIGHWAY 421 AND STATE HIGHWAY 143 ABOUT 3 KM (1.85 MI) NORTH OF MEDARYVILLE, GO SOUTH ON HIGHWAY 421 FOR 1.53 KM (0.95 MI) TO THE STATION ON THE RIGHT, JUST BEFORE THE JUNCTION OF GRAVEL COUNTY ROAD 450N. THE STATION IS SET IN THE TOP OF A 30 CM SQUARE CONCRETE POST PROJECTING 15 CM ABOVE GROUND. IT IS 37.2 M (122.0 FT) NORTH OF THE CENTER OF COUNTY ROAD 450N, 9.8 M (32.2 FT) WEST OF THE HIGHWAY CENTER, 0.4 M (1.3 FT) SOUTH OF A STEEL WITNESS POST AND 0.2 M (0.7 FT) EAST OF A DILAPIDATED FENCE LINE.



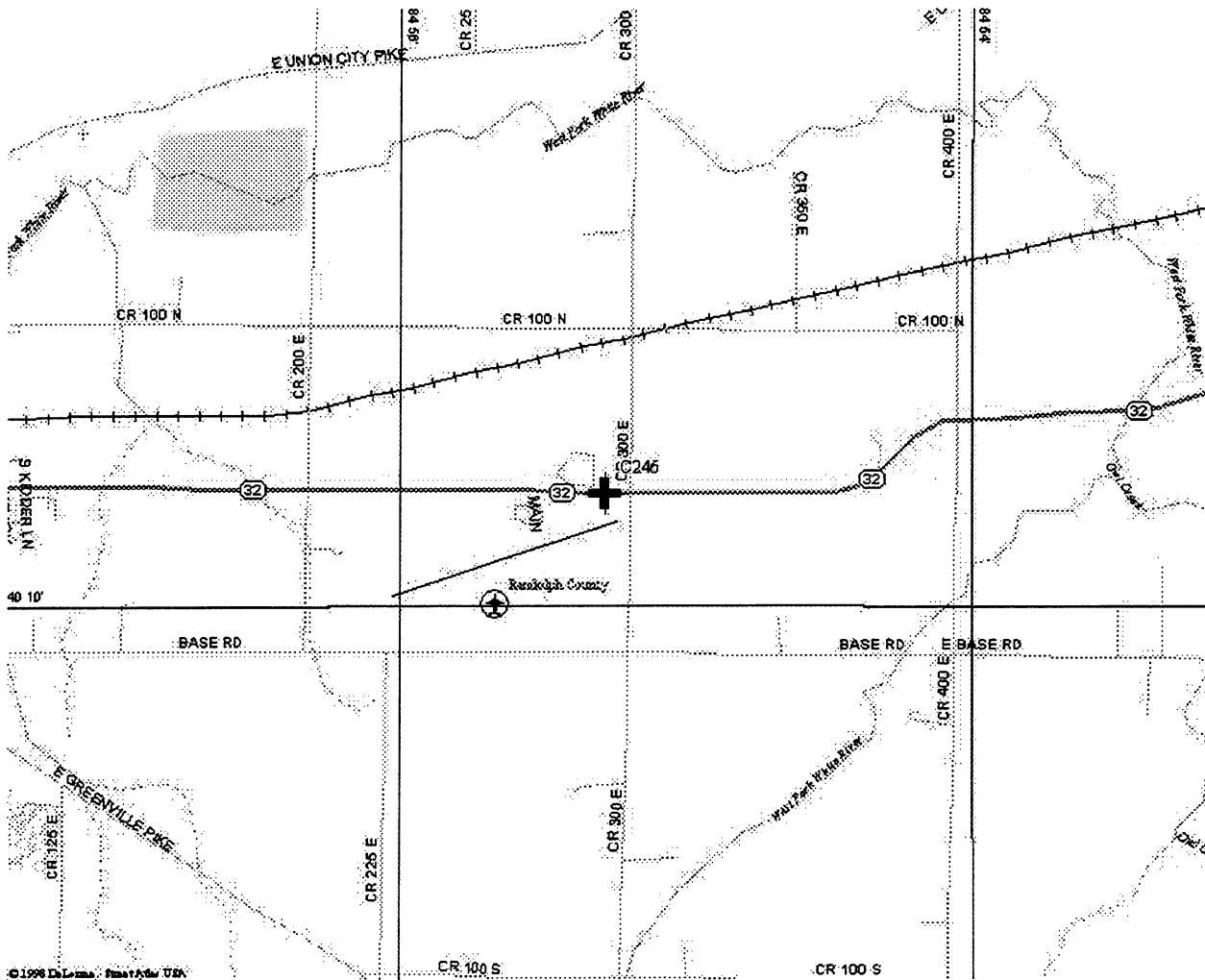
Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED ABOUT 11 KM (6.85 MI) NORTH OF INTERSTATE HIGHWAY 70, 5 KM (3.10 MI) SOUTHEAST OF GREENCASTLE, IN THE EAST QUADRANT OF THE JUNCTION OF COUNTY ROAD 200S AND THE AIRFIELD ENTRANCE ROAD, IN GRASS JUST OUTSIDE OF THE AIRPORT PERIMETER FENCE, AND ACROSS THE AIRPORT ENTRANCE ROAD FROM THE ENTRANCE TO THE JAYCEE PARK. OWNERSHIP--INDIANA DEPARTMENT OF TRANSPORTATION. TO REACH FROM THE JUNCTION OF U.S. HIGHWAY 231 AND STATE HIGHWAY 240 IN GREENCASTLE, GO SOUTH ON HIGHWAY 231 FOR 0.12 KM (0.05 MI) TO A PAVED ROAD LEFT (MARTINSVILLE STREET). TURN LEFT, EAST ON MARTINSVILLE STREET FOR 0.92 KM (0.55 MI) TO A PAVED T-JUNCTION (FIRST STREET). TURN RIGHT, SOUTH-SOUTHEAST ON FIRST STREET FOR 0.16 KM (0.10 MI) TO A PAVED T-JUNCTION. TURN LEFT, EAST, THEN SOUTHEASTERLY ON COUNTY ROAD 200S FOR 2.14 KM (1.30 MI) TO THE AIRPORT ENTRANCE ROAD AND THE STATION ON THE LEFT. THE STATION IS SET IN THE TOP OF A 30 CM ROUND CONCRETE POST PROJECTING 3 CM ABOVE GROUND. IT IS 12.4 M (40.7 FT) NORTHEAST OF THE CENTER OF COUNTY ROAD 200S, 5.8 M (19.0 FT) EAST-SOUTHEAST OF THE CENTER OF THE AIRPORT ENTRANCE ROAD, 3.6 M (11.8 FT) EAST OF THE EXTENDED CENTER OF THE PARK ENTRANCE ROAD, 3.6 M (11.8 FT) NORTH-NORTHEAST OF A WOODEN FENCE CORNER POST, 0.35 M (1.15 FT) WEST-NORTHWEST OF THE CHAIN LINK PERIMETER FENCE AND 0.25 M (0.82 FT) WEST-NORTHWEST OF A FIBERGLASS WITNESS POST.



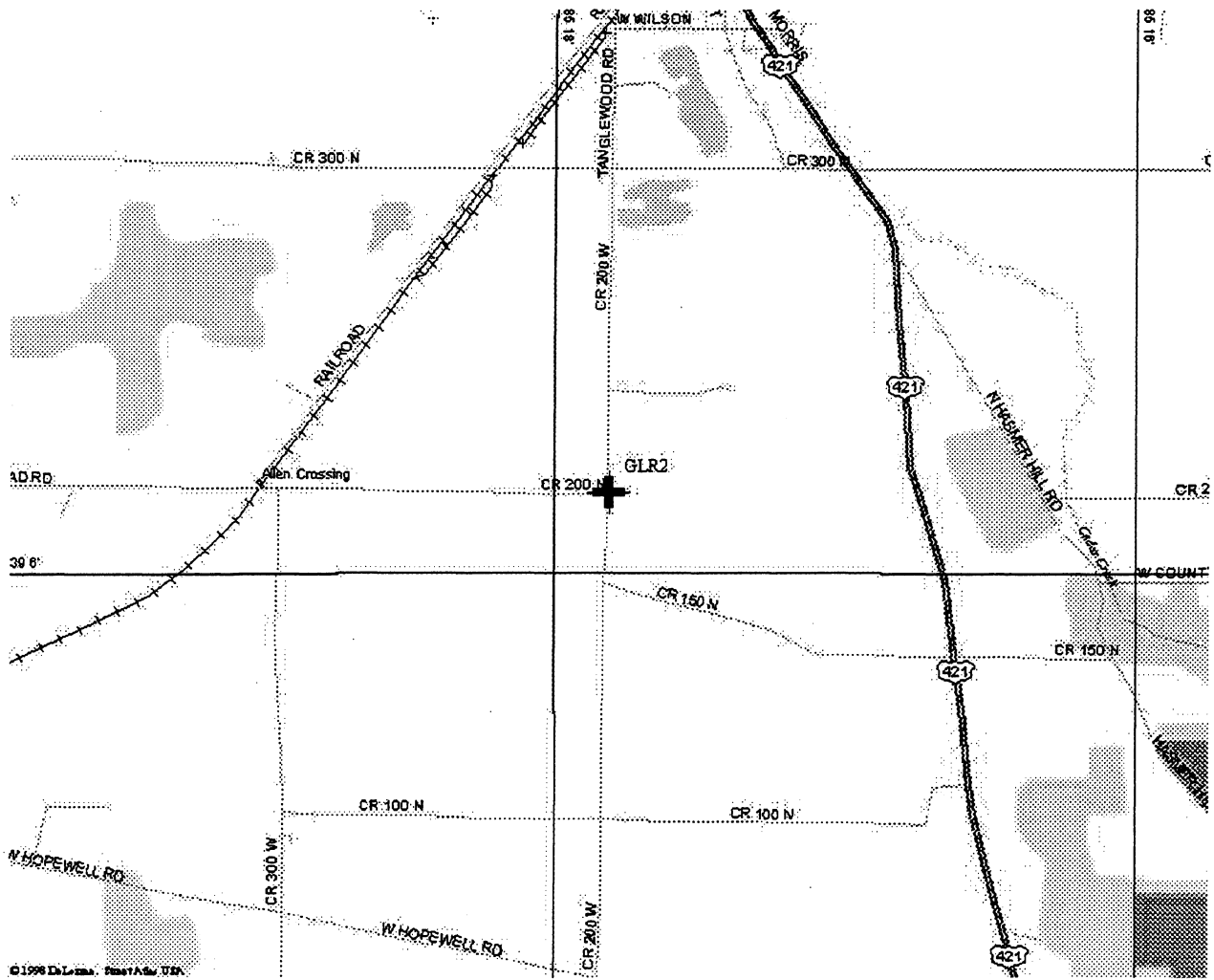
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THIS STATION IS LOCATED ABOUT 25 MILES (40.2 KM) NORTH OF RICHMOND. TO REACH THE STATION FROM THE WEST, GO 33 MILES (53.1 KM) EAST ON STATE ROUTE 32 FROM THE COURTHOUSE IN WINCHESTER. FROM THE EAST, GO 5.3 MILES (8.5 KM) ON STATE ROAD 32 WEST OF STATE ROAD 227 TO THE RANDOLPH COUNTY AIRPORT. CONTACT INDOT, HENRY ALDRIDGE, 100 NORTH SENATE AVENUE, INDIANAPOLIS, IN 46204-22249, PHONE 317-232-6764. THIS STATION IS A DISC SET IN CONCRETE. AZIMUTH 247 DEGREES AND 30.50 METERS (100.07 FT) TO THE CENTER OF A 15 INCH ELM TREE, AZIMUTH 59 DEGREES AND 29.90 METERS (98.10 FT) TO THE CENTER OF A NEW ELECTRIC RISOR POLE (NO NUMBER THIS DATE), AZIMUTH 92 DEGREES AND 28.39 METERS (93.14 FT) TO THE CENTER OF THE SIGN POST (RANDOLPH COUNTY AIRPORT).



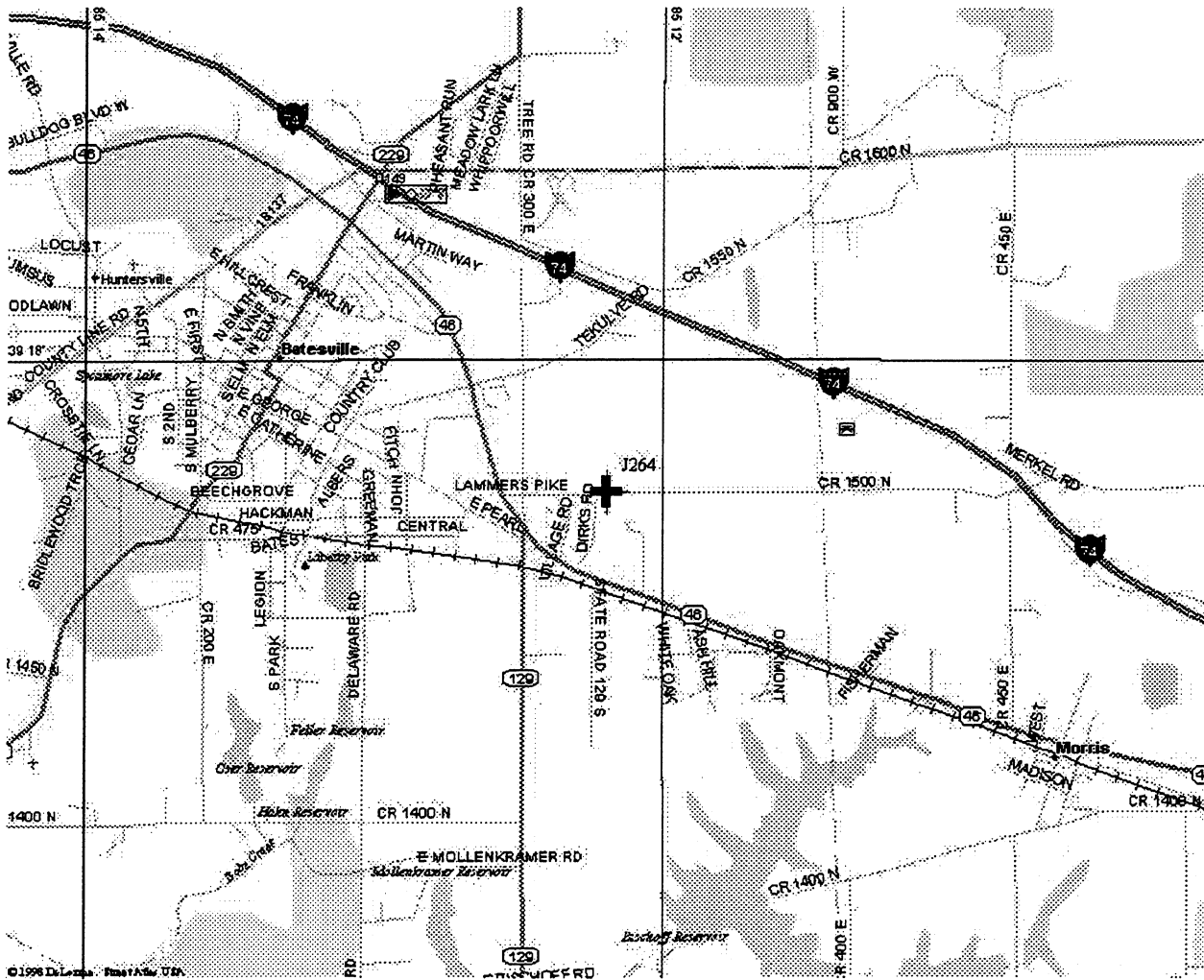
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) FROM THE JUNCTION OF U.S. HIGHWAY 421 AND STATE ROAD 350 IN OSGOOD, GO 1.1 MILE (1.8 KM) SOUTHEAST ON HIGHWAY 421 TO COUNTY ROAD 300 NORTH (BLACKTOP ROAD), THEN WEST ON COUNTY ROAD 300 NORTH FOR 0.7 MILES (1.1 KM) TO COUNTY ROAD 200 WEST (BLACKTOP ROAD - ALSO KNOWN AS TANGLEWOOD ROAD), SOUTH ON COUNTY ROAD 200 WEST FOR 1.0 MILE (1.6 KM) TO COUNTY ROAD 200 NORTH, A GRAVEL ROAD RUNNING WEST TO THE STATION, IN THE SOUTHEAST CORNER OF A FARM FIELD, IN NORTHWEST QUADRANT OF T-INTERSECTION. LOCATED 7.60 METERS (24.93 FT) WEST OF CENTERLINE OF COUNTY ROAD 200 WEST, 6.30 METERS (20.67 FT) NORTH OF CENTERLINE COUNTY ROAD 200 NORTH, 1.33 METERS (4.36 FT) NORTHWEST OF COUNTY ROAD IDENTIFICATION SIGN AND 15.44 METERS (50.66 FT) NORTHEAST OF STOP SIGN, SET IN THE TOP OF A SQUARE CONCRETE POST PROJECTING 3 FEET (0.9 M) ABOVE GROUND.



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED 3.5 MILES (5.6 KM) NORTH OF BALLSTOWN, 3 MILES (4.8 KM) SOUTH OF OLDENBURG AND 2 MILES (3.2 KM) SOUTH OF INTERSTATE HIGHWAY 74 IN BATESVILLE. TO REACH THE STATION FROM THE INTERCHANGE OF INTERSTATE HIGHWAY 74 AND STATE HIGHWAY 229, GO SOUTH ON STATE HIGHWAY 229 FOR 0.17 MILES (0.27 KM) TO THE INTERSECTION WITH STATE HIGHWAY 46, TURN LEFT AND GO SOUTHEASTERLY ON STATE HIGHWAY 46 FOR 0.9 MILES (1.4 KM) TO A CROSS ROAD (LAMMERS PIKE), TURN LEFT AND GO EAST ON LAMMERS PIKE FOR 0.3 MILES (0.5 KM) TO THE STATION ON LEFT, IN THE RIGHT-OF-WAY OF LAMMERS PIKE, CONTACT IS ROAD SUPERINTENDENT WILLIAM WILBURN, 2710 NORTH HASMER HILL ROAD, OSGOOD IN 47037, PHONE 812-689-4720. THE STATION PROJECTS ABOUT 0.13 METERS (0.43 FT) ABOVE GROUND. IT IS 33.99 METERS (111.52 FT) WEST OF ARROW ON FIRE HYDRANT, 29.84 METERS (97.90 FT) NORTH OF POWER POLE NUMBER 21, 7.92 METERS (25.98 FT) NORTH OF THE CENTERLINE OF LAMMERS PIKE, 1.83 METERS (6.00 FT) SOUTH OF POWER POLE 477-767 AND 0.46 METERS (1.51 FT) NORTHEAST OF CORNER FENCE POST.



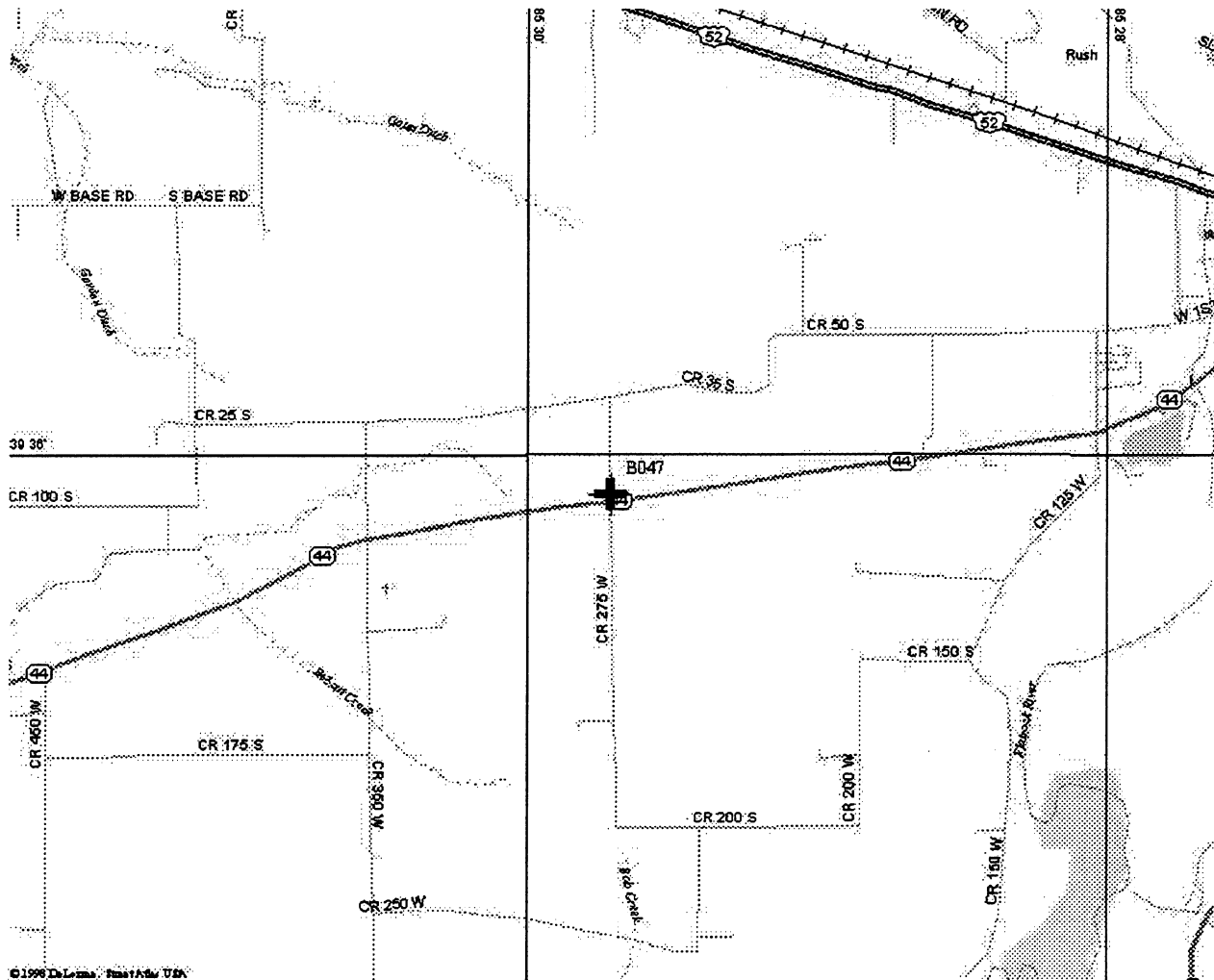
Designator B 47

4-Character ID B047

County RUSH

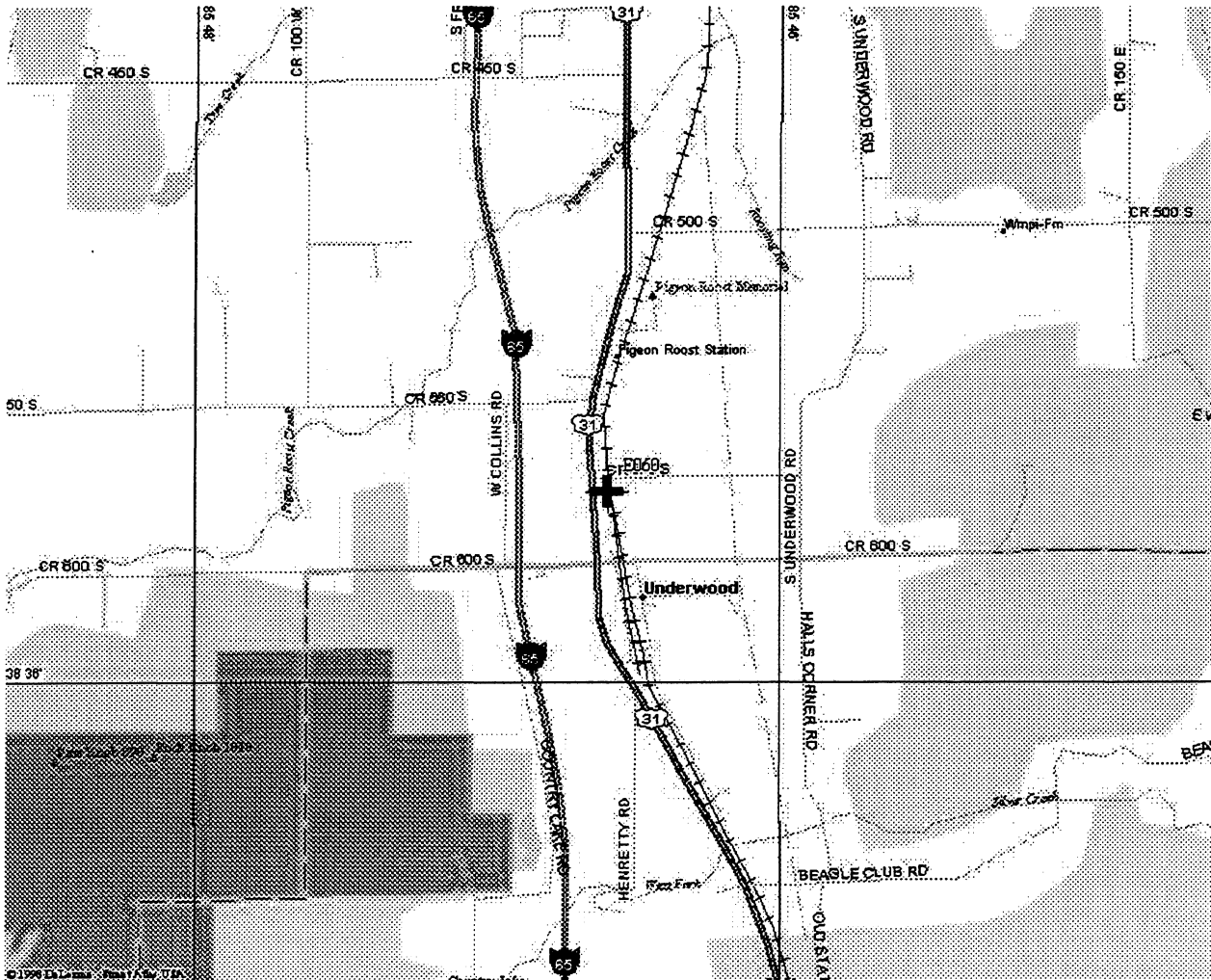
Description and Location Map

RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (JCB) RECOVERY NOTE BY WOOLPERT LLP 1998 (JCB). THE STATION IS LOCATED 2.3 MI (3.7 KM) WEST OF RUSHVILLE, AND 4.0 MI (6.4 KM) NORTHEAST OF HOMER. TO REACH THE STATION FROM THE INTERSECTION OF STATE RT 44 AND STATE RT 3, GO WEST ON STATE RT 44 FOR 2.3 MI (3.7 KM) TO THE INTERSECTION OF STATE RT 44 AND COUNTY ROAD 275W. THE STATION IS IN THE NORTHWEST QUADRANT OF THE INTERSECTION. THE STATION IS A STANDARD BENCHMARK DISK SET IN A CONCRETE MONUMENT AND IS STAMPED--B 47 1934--. THE STATION IS 17.9 M (58.7 FT) NORTHWEST FROM THE POWERPOLE CLOSEST TO STATE RT 44 IN THE NORTHEAST QUADRANT OF THE INTERSECTION, 4.0 M (13.1 FT) SOUTHWEST FROM THE POWERPOLE NE OF ST. RT. 44 IN THE NORTHWEST QUADRANT OF THE INTERSECTION, AND 7.5 M (24.6 FT) WEST FROM THE CENTERLINE OF COUNTY ROAD 275W.



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED ABOUT 3 MILES (4.8 KM) SOUTH OF SCOTTSBURG. CONTACT IS AMERICAN PREMIER UNDERWRITERS, WILLIAM STOCKHOFF, MANAGER, ONE EAST FOURTH STREET, 13TH FLOOR, CINCINNATI OH 45202, PHONE 800-543-1935. TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 31 AND STATE ROAD 56, GO SOUTH 5.4 MILES (8.7 KM) ON HIGHWAY 31 TO COUNTY ROAD 575 SOUTH (HARDY ROAD). THE STATION IS 56.4 METERS (185.0 FT) EAST OF THE CENTER OF HIGHWAY 31 AND 44.5 METERS (146.0 FT) SOUTH OF THE CENTER OF COUNTY ROAD 575 SOUTH. THE STATION IS SET IN THE TOP OF A HEADWALL 2 METERS (6.6 FT) BELOW RAILROAD TRACKS. AZIMUTH 01 DEGREES 50.4 METERS (165.4 FT) TO A POWER POLE, AZIMUTH 105 DEGREES 28.48 METERS (93.44 FT) TO A 12-INCH SWEET GUM TREE, AZIMUTH 162 DEGREES 12.99 METERS (42.62 FT) TO A 8-INCH ELM TREE, AZIMUTH 270 DEGREES 4.5 METERS (14.8 FT) TO THE EAST EDGE OF THE EAST RAIL OF THE TRACKS.



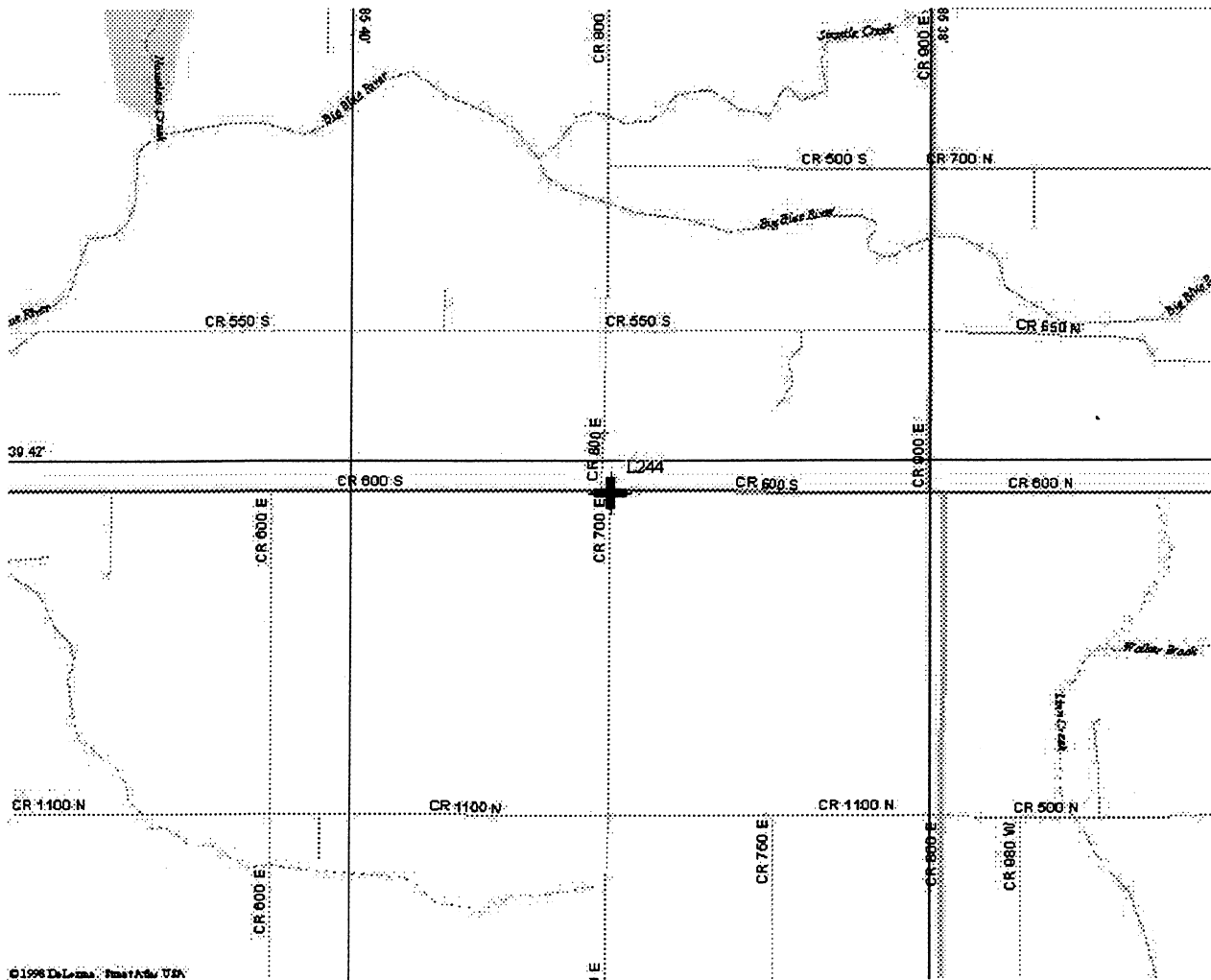
Designator L 244 RESET

4-Character ID L244

County SHELBY

Description and Location Map

DESCRIBED BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS LOCATED ABOUT 2.5 MILES (4.0 KM) NORTHEAST OF MORRISTOWN. TO REACH THE STATION FROM THE JUNCTION OF STATE ROAD 9 AND U.S. HIGHWAY 52, GO SOUTHEAST FOR 6.7 MILES (10.8 KM) TO A T ROAD, COUNTY ROAD 700 EAST, THENCE GO NORTH 2.5 METERS (8.2 FT) TO THE MARK ON THE LEFT, AT THE SOUTHWEST CORNER OF THE INTERSECTION OF COUNTY ROAD 1200 NORTH AND 700 EAST, SHELBY COUNTY. SHELBY COUNTY ROAD SUPERVISOR DALLAS PHILLIPS, 407 SOUTH HARRISON STREET, COURTHOUSE ROOM 107, SHELBYVILLE IN 46176, PHONE 317-392-6485. THE STATION IS SET IN THE TOP OF A ROUND CONCRETE MONUMENT. LOCATED 10.1 METERS (33.1 FT) TO SOUTHWEST FACE OF POWER POLE AT AZIMUTH 130 DEGREES, 17.2 METERS (56.4 FT) TO SOUTH FACE OF 28-INCH MAPLE TREE AT AZIMUTH 30 DEGREES, 4.0 METERS (13.1 FT) WEST OF CENTERLINE COUNTY ROAD 700 EAST AND 10.5 METERS (34.4 FT) SOUTH OF CENTERLINE COUNTY ROAD 1200 NORTH.



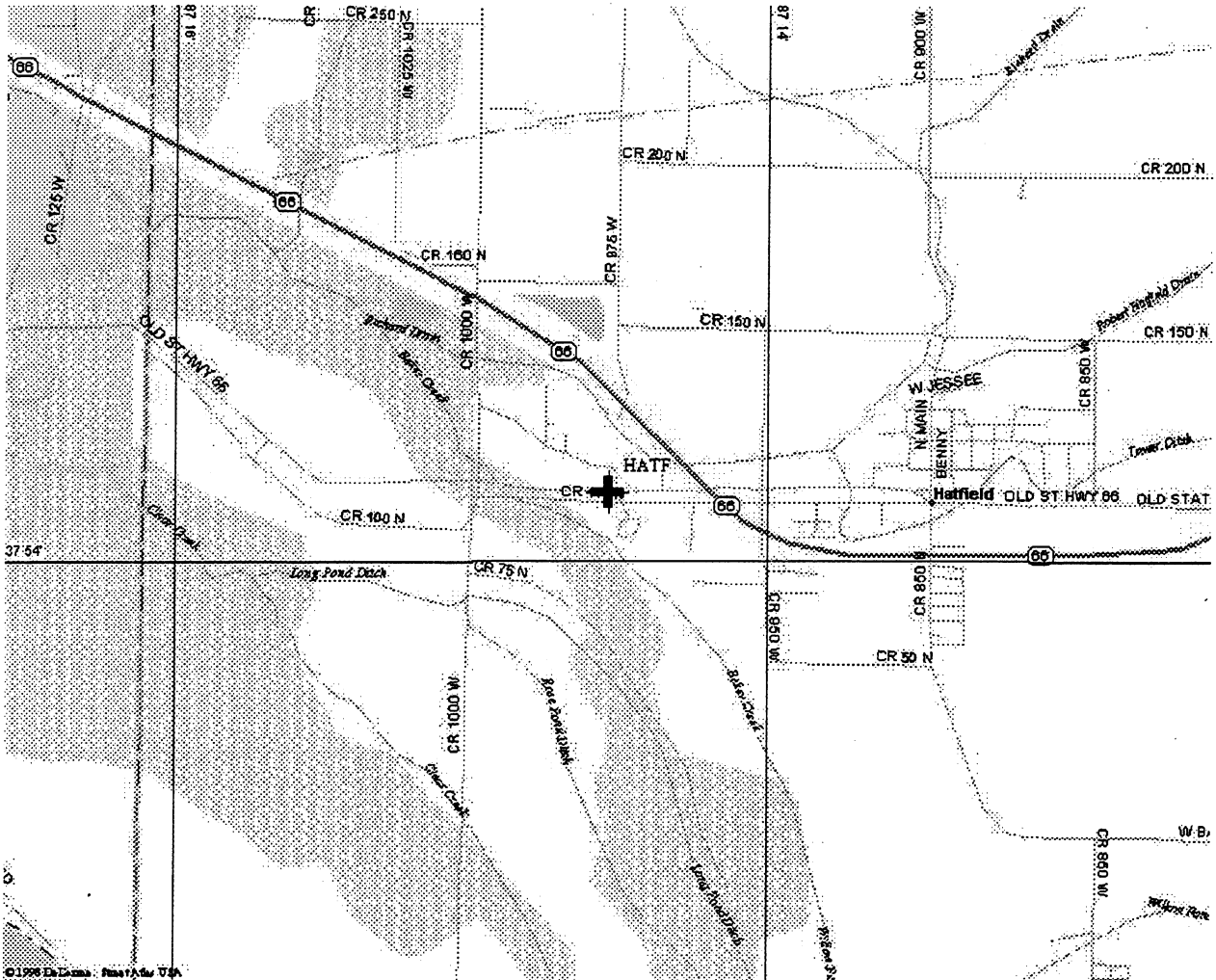
Designator HATFIELD

4-Character ID HATF

County SPENCER

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS 0.05 MILES (0.08 KM) WEST ALONG OLD HIGHWAY 66 FROM THE HATFIELD POST OFFICE, ON PROPERTY OF CLARENCE SALEE. THE STATION IS 48.6 FEET (14.8 M) NORTH OF CENTERLINE OF OLD HIGHWAY 66 AND IS 11.55 MILES (18.59 KM) WEST OF SPENCER COUNTY COURTHOUSE IN ROCKPORT. THE AZIMUTH MARK COULD NOT BE FOUND, BUT RM 1 AND RM 2 WERE FOUND IN FAIR CONDITION. THE MONUMENT IS 0.35 METERS (1.15 FT) NORTH OF WITNESS POST.



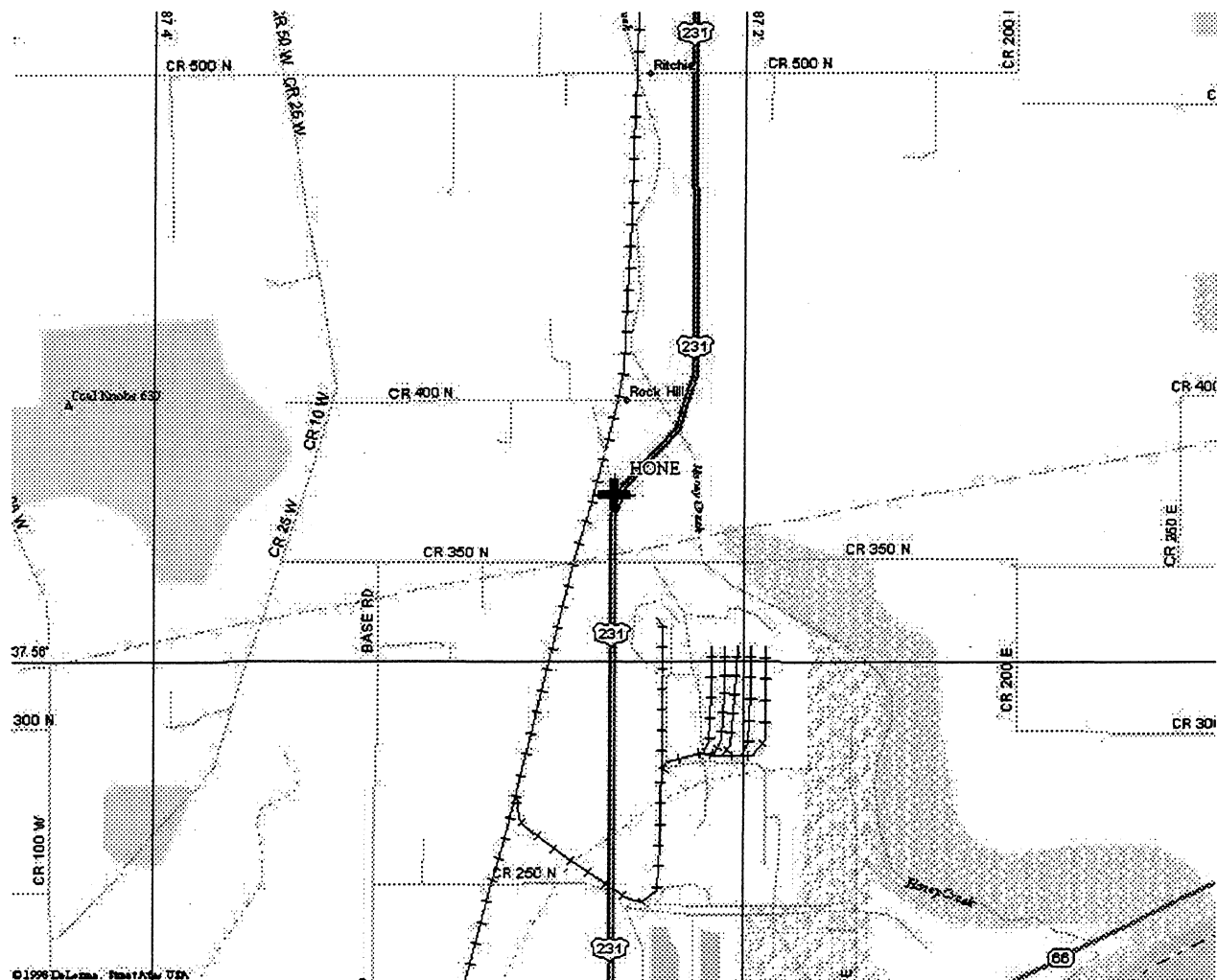
Designator HONEY

4-Character ID HONE

County SPENCER

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED ABOUT 25 MILES (40.2 KM) EAST OF EVANSVILLE. TO REACH THE STATION FROM THE JUNCTION OF STATE ROUTE 231 AND STATE ROUTE 66, GO NORTH FOR 2.4 MILES (3.9 KM) ON STATE ROUTE 231 TO COUNTRY ROAD 75 EAST. THE STATION IS 11.4 METERS (37.4 FT) EAST OF CENTER OF COUNTRY ROAD 75 EAST AND 15.8 METERS (51.8 FT) NORTHWEST OF CENTER OF STATE ROUTE 231. CONTACT - HENRY ALDRIDGE AT INDOT, 100 NORTH SENATE AVENUE, INDIANAPOLIS IN 46204-2249, PHONE 317-232-6764. LOCATED AT AZIMUTH 308 DEGREES AND 20.84 METERS (68.37 FT) TO A POWER POLE, AZIMUTH 43 DEGREES AND 13.20 METERS (43.31 FT) TO A POWER POLE, AZIMUTH 208 DEGREES AND 11.95 METERS (39.21 FT) TO POWER POLE NUMBER E70-745.



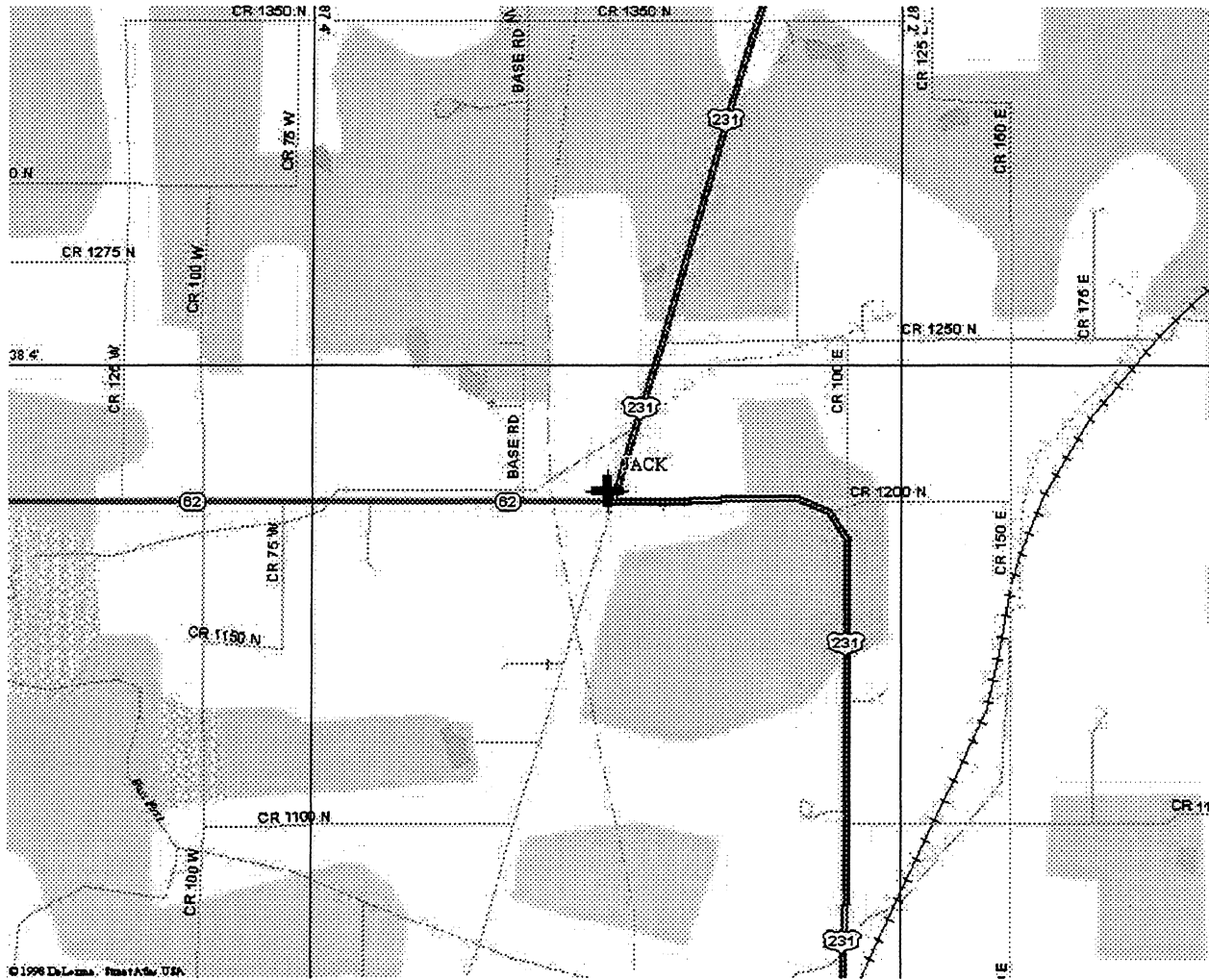
Designator JACKSON

4-Character ID JACK

County SPENCER

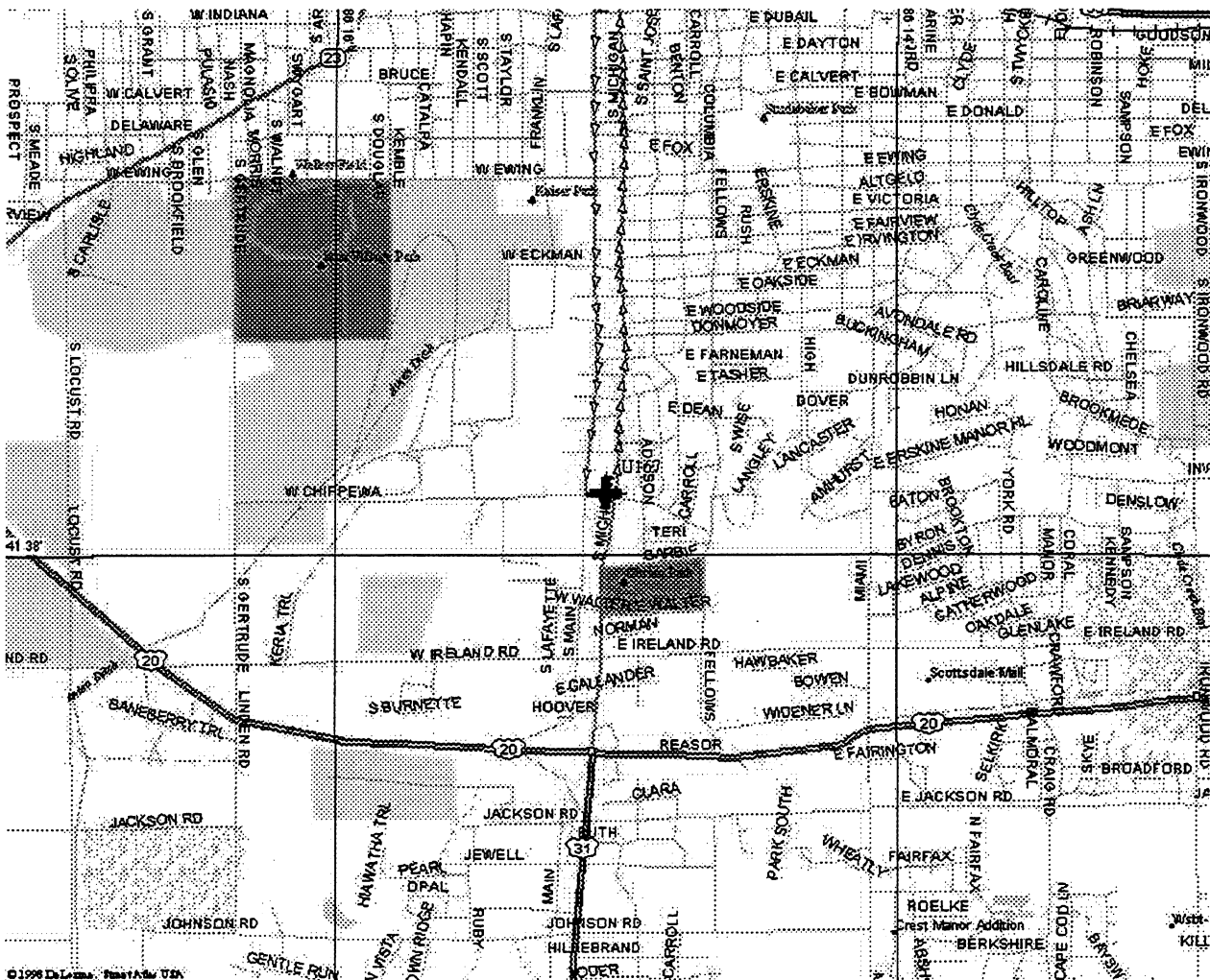
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED ABOUT 25 MILES (40.2 KM) EAST OF EVANSVILLE. TO REACH THE STATION FROM THE JUNCTION OF INTERSTATE HIGHWAY 64 AND U.S. HIGHWAY 231, GO SOUTH FOR 10.3 MILES (16.6 KM) ON U.S. HIGHWAY 231 TO THE JUNCTION OF STATE ROUTE 62. THE STATION IS ABOUT 30 METERS (98.4 FT) WEST OF THE CENTER OF HIGHWAY 231 AND ABOUT 36 METERS (118.1 FT) NORTH OF CENTER OF STATE ROUTE 62. CONTACT IS MS. PAT KRAMER, RR 1, GENTRYVILLE IN 47537, PHONE 812-362-8542. LOCATED AZIMUTH 151 DEGREES AND 29.90 METERS (98.10 FT) TO A TRAFFIC SIGNAL LIGHT POLE, AZIMUTH 184 DEGREES AND 28.90 METERS (94.82 FT) TO A 42-INCH CATAPLA TREE, AZIMUTH 359 DEGREES AND 20.10 METERS (65.94 FT) TO A 38-INCH MAPLE TREE, AZIMUTH 45 DEGREES AND 10.99 METERS (36.06 FT) TO THE SOUTHWEST CORNER OF FRIENDSHIP CHURCH (CHURCH IS NOT IN USE).



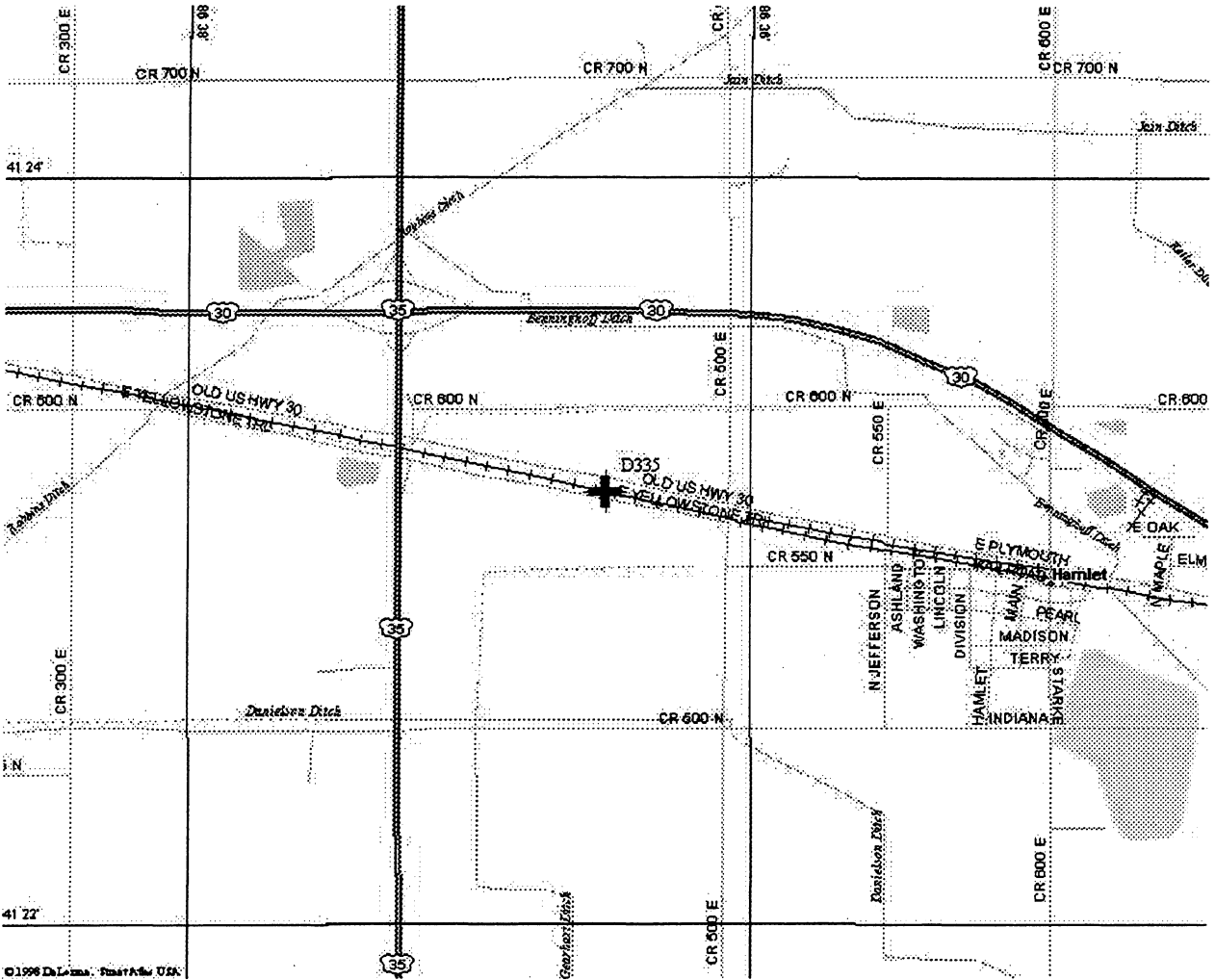
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED ABOUT 0.3 MILES (0.5 KM) NORTH OF THE SOUTH CITY LIMIT SIGN OF SOUTH BEND. TO REACH THIS STATION FROM THE SOUTH, GO NORTH FOR 0.9 MILES (1.4 KM) FROM U.S. HIGHWAY 20 WHERE U.S. HIGHWAY 31 JOINS ON MICHIGAN STREET (WHERE OLD U.S. HIGHWAY 31 DIVIDES). FROM THE NORTH, GO SOUTH FROM KEY BANK 2.6 MILES (4.2 KM) TO THE INTERSECTION OF MICHIGAN STREET AND CHIPPEWA AVENUE IN A TRIANGULAR SHAPED PAVED ISLAND, IN THE SOUTHWEST QUADRANT OF THE INTERSECTION. CONTACT IS JIM ARNOLD, INDOT, LAPORTE DISTRICT, PO BOX 429, LAPORTE IN 46350, PHONE 219-362-3520. LOCATED AT AZIMUTH 118 DEGREES AND 13.19 METERS (43.27 FT) TO THE NORTHWEST CORNER OF A CONCRETE PEDESTRIAN CROSSING SIGNAL BASE, AZIMUTH 260 DEGREES AND 6.58 METERS (21.59 FT) TO A POWER POLE 327.178, AZIMUTH 195 DEGREES AND 6.32 METERS (20.73 FT) TO THE NORTH EDGE OF A STORM INLET, AND AZIMUTH 360 DEGREES AND 1.85 METERS (6.07 FT) TO THE BACK OF CURB OF SOUTH SIDE CHIPPEWA AVENUE.



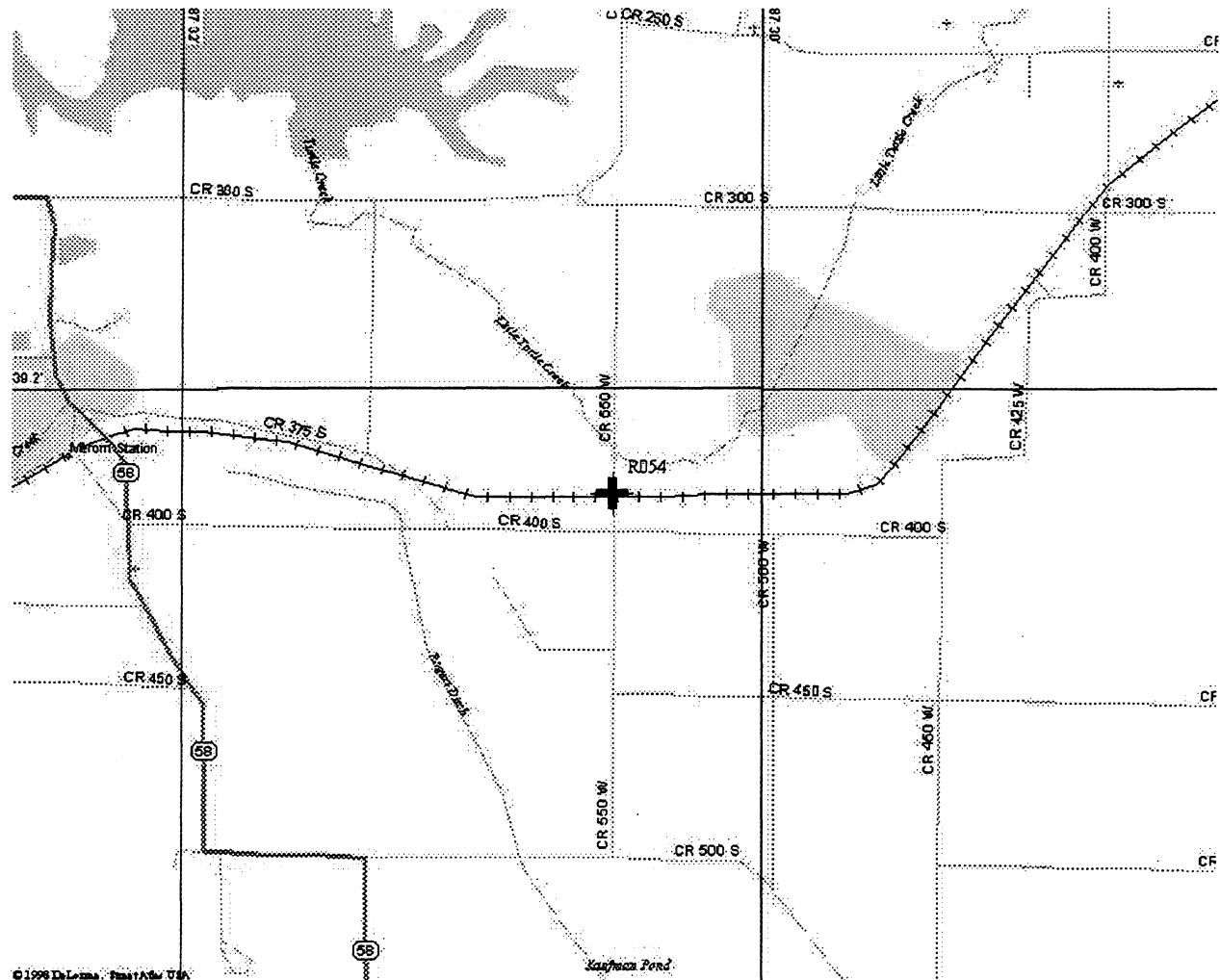
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) ABOUT 1.4 MILES (2.3 KM) WEST OF HAMLET FROM THE INTERSECTION OF STARKE STREET AND OLD U.S. ROUTE 30 (PLYMOUTH STREET), PARALLELING THE NORFOLK SOUTHERN TRACKS, TO THE STATION ON THE SOUTH SIDE OF ROAD. THE STATION IS A DISK SET ATOP A COPPER-CLAD STEEL ROD PROJECTING 2 INCHES ABOVE THE GROUND INSIDE CASING AND ENCRICLED BY A 6 INCH METAL CASING FLUSH WITH SURROUNDING GROUND. LOCATED 19.35 METERS (63.48 FT) NORTH OF NORTH RAIL OF TRACKS, 8.47 METERS (27.79 FT) SOUTH OF THE CENTERLINE OF OLD U.S. ROUTE 30 (PLYMOUTH STREET) AND 1.11 METERS (3.64 FT) WEST OF POWER POLE 785911.



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS LOCATED ABOUT 11.3 KM (7.00 MI) SOUTHWEST OF SULLIVAN, 4.0 KM (2.50 MI) EAST OF MEROM, ALONG THE WEST SIDE OF COUNTY ROAD 550 WEST AND A RAILROAD CROSSING. OWNERSHIP--COUNTY ROAD SUPERVISOR ROBERT STULTZ 1469 EAST COUNTY ROAD 75 NORTH, SULLIVAN IN 47882, PHONE 812-268-5457. TO REACH THE STATION FROM THE JUNCTION OF COUNTY ROADS 350 WEST (MAIN STREET) AND 300 SOUTH (MEROM STREET) NEAR CENTER OF NEW LEBANON, GO WEST FOR 3.2 KM (2.00 MI) ALONG 300 SOUTH TO A GRAVEL ROAD (550 WEST) ON THE LEFT. TURN LEFT, SOUTH FOR 1.4 KM (0.85 MI) ALONG 550 WEST TO THE STATION ON THE RIGHT, JUST BEFORE THE RAILROAD TRACKS. STATION IS 10.5 METERS (34.4 FT) NORTH OF THE NORTH RAIL, 8.1 METERS (26.6 FT) NORTH-NORTHWEST OF A RAILROAD CROSSING SIGN, 7.9 METERS (25.9 FT) WEST OF 550 WEST CENTERLINE, 2.2 METERS (7.2 FT) WEST OF UTILITY POLE NUMBER 307, 0.9 METERS (3.0 FT) SOUTH OF A FENCE, 0.2 METERS (0.7 FT) EAST OF A WITNESS POST, ABOUT 0.4 METERS (1.3 FT) BELOW ROAD GRADE AND PROJECTING 4 CM ABOVE GROUND.



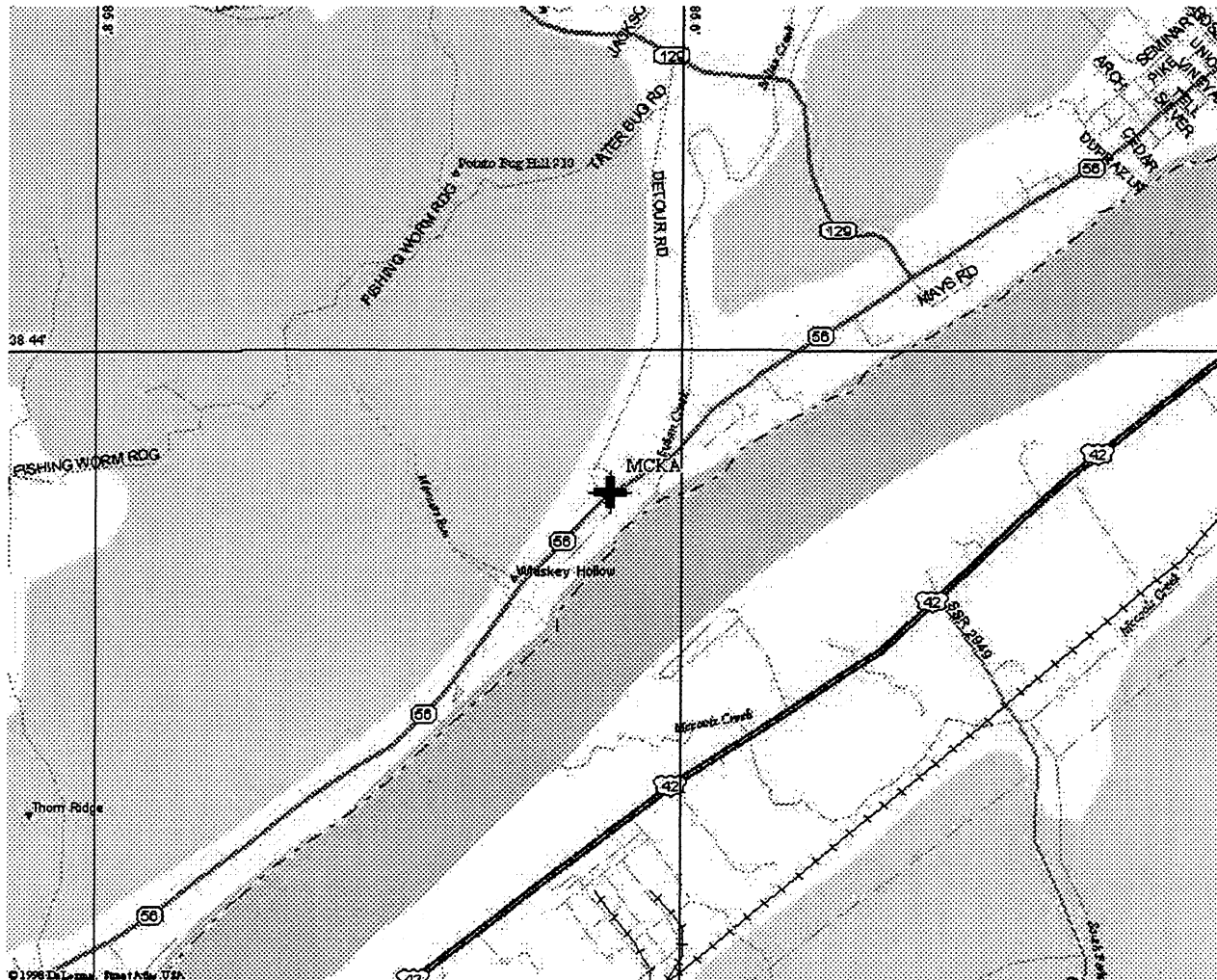
Designator MCKAY

4-Character ID MCKA

County SWITZERLAND

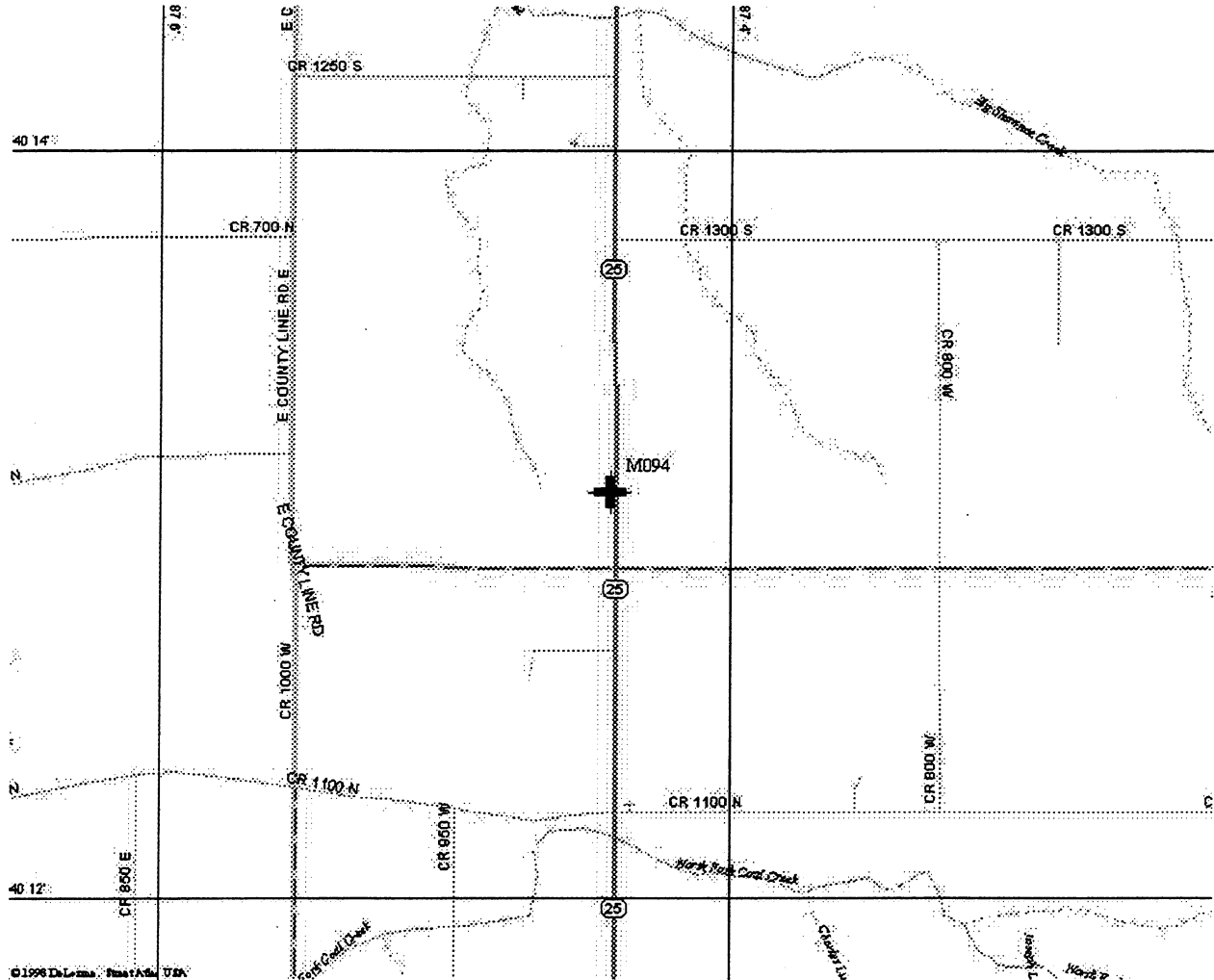
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS LOCATED ABOUT 2.5 MILES (4.0 KM) WEST OF VEVAY, ON STATE ROAD 56. TO REACH STATION FROM THE INTERSECTION OF STATE ROAD 56 AND STATE ROAD 129, GO WEST ON STATE ROAD 56, AT 1.0 MILE (1.61 KM) CROSS NARROW BRIDGE OVER INDIAN CREEK, CONTINUE 0.15 MILES (0.24 KM) TO STATION ON RIGHT (NORTH). THE STATION IS SET IN A SQUARE CONCRETE MONUMENT. MONUMENT HAS BEEN HIT, ALL CORNERS KNOCKED OFF, BUT DISC IS INTACT. THE STATION PROJECTS 12 CM ABOVE GROUND AND IS NEAR THE SOUTHEAST CORNER OF GRASS STRIP FORMED BY STATE ROAD 56, DETOUR ROAD, DIRT ROAD AND GRAVEL ROAD LEADING TO CONCRETE BLOCK BUILDING. MCKAY RM 1 BEARS MAG AZIMUTH 103 DEGREES AT 23.6 METERS (77.4 FT), REFERENCE MARK 2 DESTROYED, TELEPHONE POLE AT END OF WOODEN FENCE END BEARS MAG AZIMUTH 85 DEGREES AT 40.05 METERS (131.40 FT), WITNESS SIGN ON T POST BEARS MAG AZIMUTH 149 DEGREES 0.50 METERS (1.64 FT), TELEPHONE POLE BEARS MAG AZIMUTH 180 DEGREES AT 18.10 METERS (59.38 FT), POWER POLE WITH 3 GUYS BEARS MAG AZ 263 DEGREES AT 50.58 METERS (165.94 FT), CENTERLINE OF HIGHWAY 56 IS 9.90 METERS (32.48 FT) SOUTH, GRAVEL ROAD CENTERLINE (TO BLOCK BUILDING) 16.3 METERS (53.5 FT) TO EAST, CENTERLINE DIRT ROAD 19.5 METERS (64.0 FT) NORTH.



Description and Location Map

RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (GTF) DESCRIBED BY WOOLPERT LLP 1998 (GTF). THE STATION IS 14 MI (22.5 KM) SOUTHWEST OF LAFAYETTE 7 MI (11.3 KM) NORTH OF WAYNETOWN, AND 5 MI (8.0 KM) SOUTH OF ODELL. TO REACH THE STATION FROM THE JUNCTION OF STATE ROUTES 28 AND 25 IN ODELL, PROCEED 4.9 MI (7.9 KM) SOUTH ALONG STATE ROUTE 25 TO THE STATION ON THE RIGHT. THE STATION IS A STANDARD BENCHMARK DISK IN A CONCRETE MONUMENT STAMPED--M 94 1946--. THE STATION IS 10.0 M (32.8 FT) WEST OF THE CENTERLINE OF STATE ROUTE 25, 5.8 M (19.0 FT) NORTH OF THE CENTERLINE OF A GRAVEL DRIVEWAY, AND 6.0 M (19.7 FT) SOUTHEAST OF A UTILITY POLE.



Description and Location Map

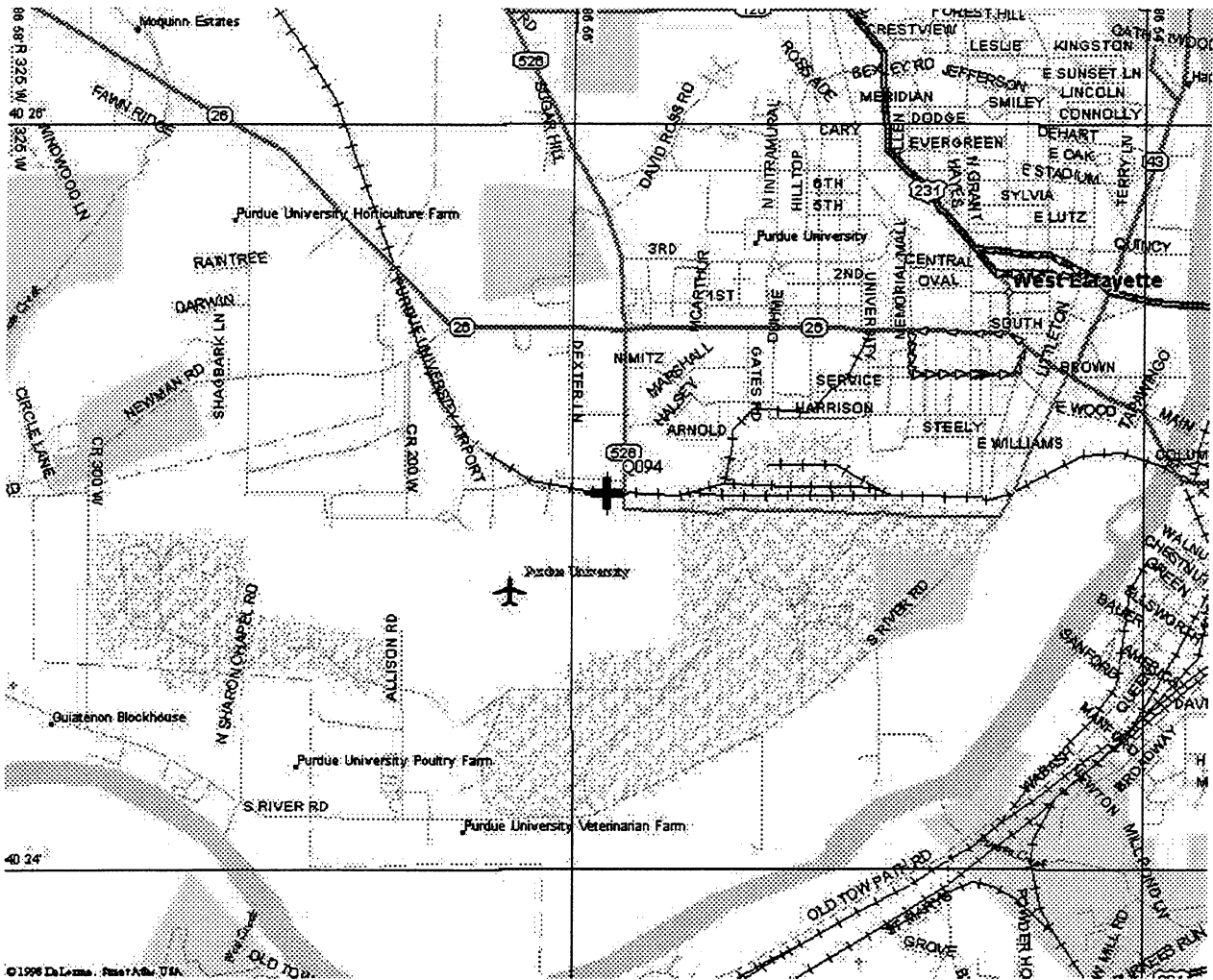
RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED NEAR THE SOUTHWEST SIDE OF LAFAYETTE, ALONG THE NORTH SIDE OF THE LAFAYETTE-PURDUE UNIVERSITY AIRPORT, IN THE SOUTHWEST QUADRANT OF THE JUNCTION OF STATE HIGHWAY 526 (AIRPORT ROAD) AND A RAILROAD TRACK, AND IN A STRIP OF GRASS BETWEEN THE RAILROAD AND AN ACCESS ROAD LEADING TO SEVERAL HANGARS. OWNERSHIP--NEW YORK CENTRAL AND ST. LOUIS RAILROAD. TO REACH FROM THE UNDERPASS AT THE JUNCTION OF INTERSTATE HIGHWAY 65, U.S. HIGHWAY 231 AND STATE HIGHWAY 43 (EXIT 178) ABOUT 7 KM (4.35 MI) NORTH OF LAFAYETTE, GO SOUTHWESTERLY ON HIGHWAYS 43 AND 231 FOR 8.29 KM (5.15 MI) TO THE T-JUNCTION OF STATE HIGHWAY 26 (STATE STREET) IN WEST LAFAYETTE. TURN RIGHT, WEST AND UPHILL ON STATE STREET FOR 2.25 KM (1.40 MI) TO A PAVED CROSSROAD (STATE HIGHWAY 526/AIRPORT ROAD). TURN LEFT, SOUTH ON AIRPORT ROAD FOR 0.8 KM (0.50 MI) TO THE TERMINAL AND TWO PARKING LOTS JUST PAST A RAILROAD TRACK. TURN RIGHT, WEST THROUGH A PARKING LOT FOR 0.12 KM (0.05 MI) TO THE STATION ON THE RIGHT. THE STATION IS SET IN THE TOP OF A 30 CM SQUARE CONCRETE POST PROJECTING 12 CM ABOVE GROUND. IT IS 15.0 M (49.2 FT) SOUTH OF AND ABOUT 1.5 M (4.9 FT) LOWER THAN THE SOUTH RAIL OF THE TRACKS, 14.0 M (45.9 FT) NORTHEAST OF A FIRE HYDRANT, 13.7 M (44.9 FT) EAST-NORTHEAST OF THE NORTHEAST CORNER OF A STEEL CABLE DUCT COVER, 12.4 M (40.7 FT) NORTH OF THE NORTHEAST CORNER OF THE CHAIN LINK AIRPORT PERIMETER FENCE, 8.6 M (28.2 FT) NORTH OF THE CENTER OF THE PAVED ACCESS ROAD, 5.4 M (17.7 FT) SOUTH OF THE SOUTHWEST CORNER OF A CONCRETE CABLE DUCT COVER, 4.9 M (16.1 FT) WEST-SOUTHWEST OF A MOTORCYCLE PARKING ONLY SIGN, 3.6 M (11.8 FT) WEST OF THE NORTHWEST CORNER OF THE PARKING LOT AND 0.2 M (0.7 FT) SOUTH OF A FIBERGLASS WITNESS POST. NOTE--THIS STATION IS DESIGNATED AS THE PRIMARY AIRPORT CONTROL STATION.

(location map on following page)

Designator Q 94

4-Character ID Q094

County TIPPECANOE



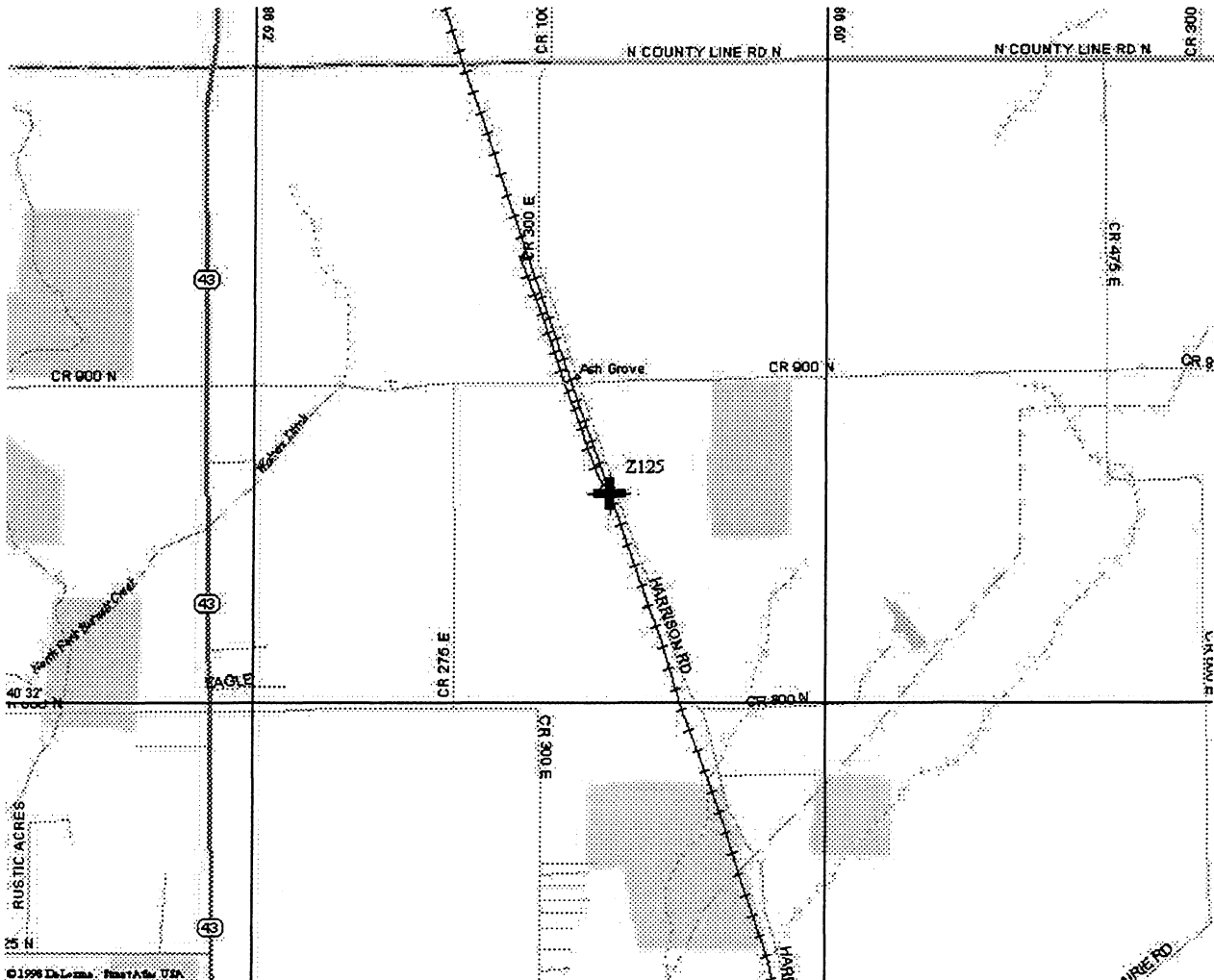
Designator Z 125

4-Character ID Z125

County TIPPECANOE

Description and Location Map

RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (CWH) DESCRIBED BY WOOLPERT LLP 1998 (CWH). THE STATION IS LOCATED ABOUT 14.48 KM (9.00 MI) NORTH-NORTHEAST OF LAFAYETTE, ON PROPERTY OWNED BY STEVEN AND LISA RIDER 8624 HARRISON ROAD, BATTLEGROUND, INDIANA 47920, PHONE NUMBER (765) 567-7039. TO REACH THE STATION FROM THE JUNCTION OF INTERSTATE 65 AND STATE ROUTE 43 (EXIT 178 ON INTERSTATE 65), GO NORTH 5.3 KM (3.30 MI) ON STATE ROUTE 43 TO COUNTY ROAD 900 NORTH (ALSO KNOWN AS CROSSROADS), TURN RIGHT AND PROCEED 1.85 KM (1.15 MI) EAST ALONG COUNTY ROAD 900 NORTH OVER A CROSSING OF THE CSX RAILROAD, TO HARRISON ROAD IN ASH GROVE, TURN RIGHT AND PROCEED 0.72 KM (0.45 MI) SOUTHEAST AND PARALLEL TO THE CSX RAILROAD ALONG HARRISON ROAD TO A GRAVEL DRIVE ON THE RIGHT. TURN RIGHT AND PROCEED ALONG THE GRAVEL DRIVE, CROSSING THE RAILROAD, TO THE STATION ON THE RIGHT. THE STATION IS A STANDARD BENCHMARK DISK SET IN THE TOP OF A CONCRETE MONUMENT, STAMPED--Z 125 1946--. THE STATION IS SET IN THE TOP OF A 0.25 M (0.82 FT) SQUARE CONCRETE POST AND IS FLUSH WITH THE GROUND. THE STATION IS 37.1 M (121.7 FT) SOUTH OF THE WEST SIGNAL OF THE CSX RAILROAD, 20.0 M (65.6 FT) WEST OF A 0.15 M (0.49 FT) SQUARE CONCRETE MARKER POST--NUMBER IN-008302--FOR FIBER OPTIC LINE, 2.9 M (9.5 FT) WEST OF THE END FENCE POST AND 1.2 M (3.9 FT) SOUTH-SOUTHEAST OF UTILITY POLE BG2-15-7.



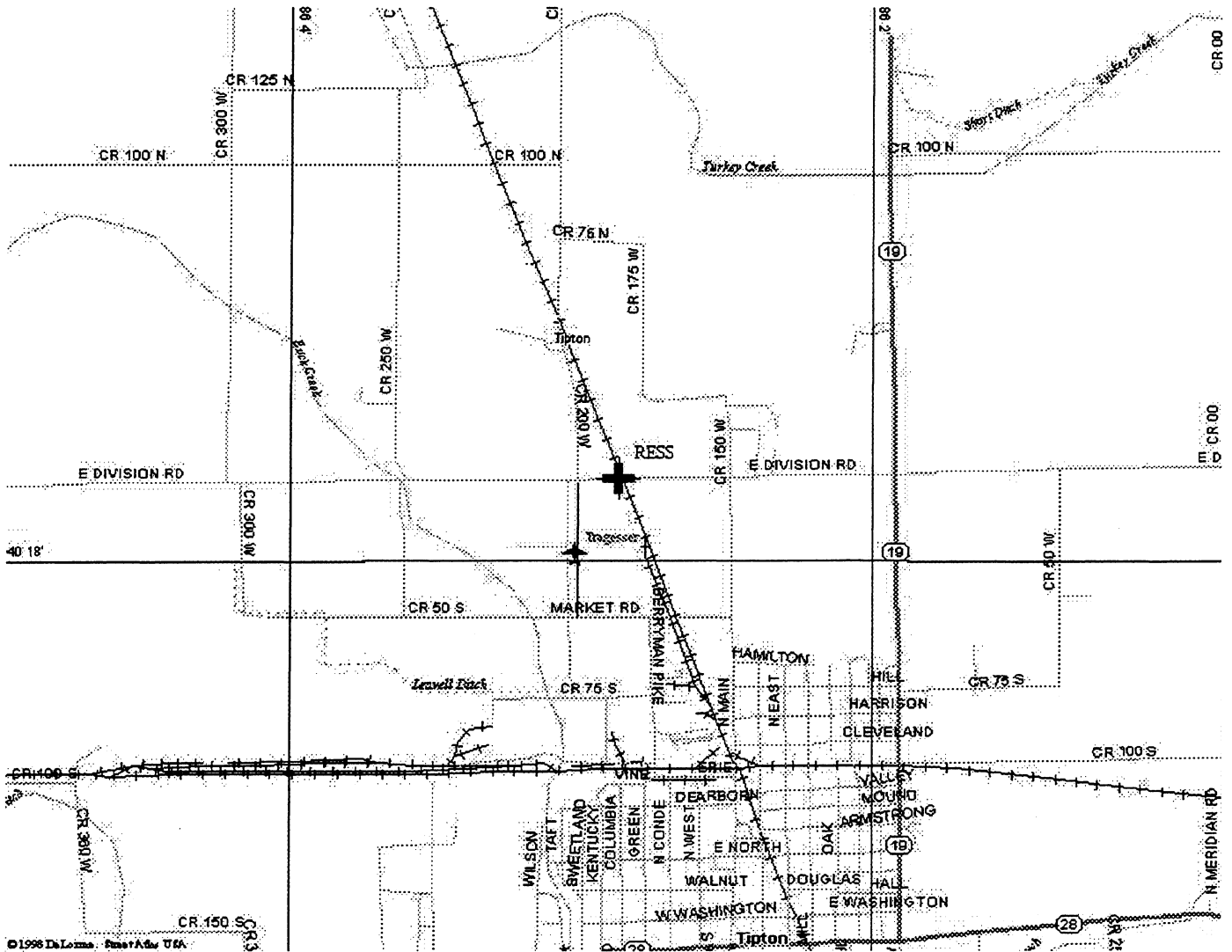
Designator RESSLER RESET

4-Character ID RESS

County TIPTON

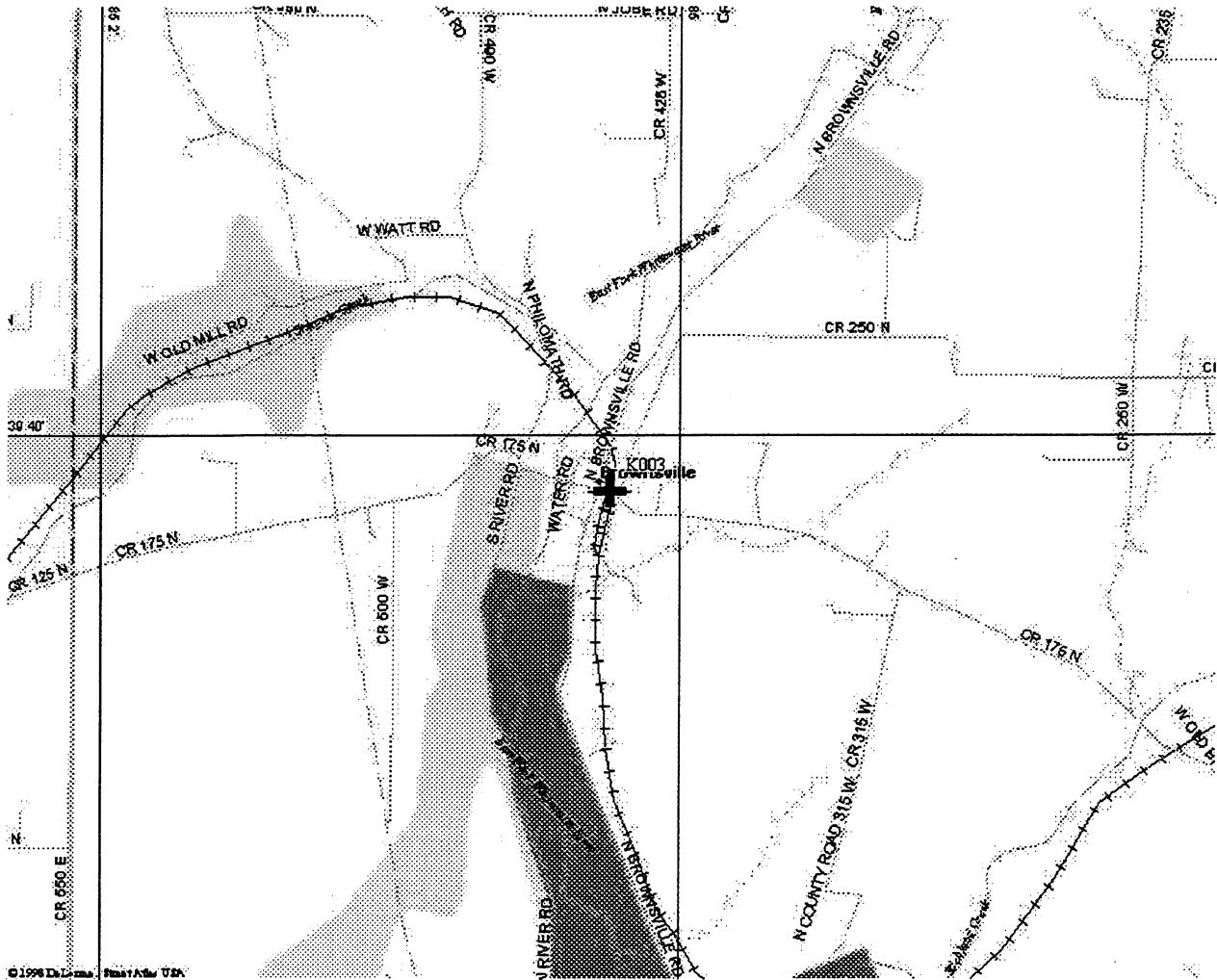
Description and Location Map

DESCRIBED BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS 1 MILE (1.6 KM) NORTH OF TIPTON, 5.5 MILES (8.9 KM) SOUTHEAST OF SHARPSVILLE AND 5.5 MILES (8.9 KM) SOUTHWEST OF WINDFALL. TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAY 28 AND STATE HIGHWAY 19, GO NORTH ALONG STATE HIGHWAY 19 FOR 1.4 MILES (2.3 KM) TO A CROSSROAD (DIVISION ROAD). TURN LEFT AND GO WEST ALONG DIVISION ROAD FOR 0.4 MILES (0.6 KM) TO THE RAILROAD TRACKS CROSSING THE ROAD, AND THE STATION ON THE RIGHT. OWNERSHIP--ON RIGHT-OF-WAY OF THE NORFOLK AND SOUTHERN RAILROAD, MR. J.A. ERWIN, DIVISION SUPERINTENDENT, 8111 NELSON ROAD, FORT WAYNE IN 46903, PHONE 219-493-5300. THE STATION IS SET IN A ROUND CONCRETE MONUMENT. IT IS 12.10 METERS (39.70 FT) NORTH OF THE CENTERLINE OF DIVISION ROAD, 6.80 METERS (22.31 FT) NORTHWEST OF NORTHWEST BOLT ON BASE OF RAILROAD CROSSING GATE, 3.79 METERS (12.43 FT) SOUTHWEST OF NORTHWEST CORNER OF METAL SIGNAL BOX AND 2.15 METERS (7.05 FT) EAST OF THE EAST RAIL OF RAILROAD TRACK, ABOUT 0.2 METERS (0.7 FT) ABOVE GRADE.



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED 6.4 KM (3.95 MI) WEST-NORTHWEST OF LIBERTY, IN BROWNSVILLE, NEAR THE CENTER OF TOWN, IN THE SOUTHWEST QUADRANT OF THE RAILROAD CROSSING AT OLD BROWNSVILLE ROAD BROWNSVILLE. OWNERSHIP--UNKNOWN. TO REACH THE STATION FROM THE INTERSECTION OF SOUTH MAIN STREET AND OLD BROWNSVILLE ROAD, NEAR THE CENTER OF BROWNSVILLE, GO EAST FOR ABOUT 30 METERS (98.4 FT) ALONG OLD BROWNSVILLE ROAD TO THE STATION ON THE RIGHT, JUST BEFORE THE RAILROAD CROSSING AND JUST EAST OF A GRAVEL TRACK ROAD. STATION IS 10.8 METERS (35.4 FT) WEST OF THE WEST RAIL OF TRACKS, 10.2 METERS (33.5 FT) SOUTH OF THE OLD BROWNSVILLE FENCE, 7.6 METERS (24.9 FT) EAST OF THE NORTHEAST CORNER OF A CHAIN LINK FENCE, 4.3 METERS (14.1 FT) EAST OF A GRAVEL TRACK ROAD CENTER, 1.9 METERS (6.2 FT) SOUTHEAST OF A SHORT UTILITY BRACE POLE WITH ONE GUY WIRE, 1.8 METERS (5.9 FT) NORTH OF A UTILITY POLE MARKED--B.M.-- AND WITNESS POST, ABOUT 0.3 METERS (1.0 FT) ABOVE THE TRACK ROAD LEVEL AND FLUSH WITH GROUND.



Designator ARP

4-Character ID ARPP

County VANDERBURGH

Description and Location Map

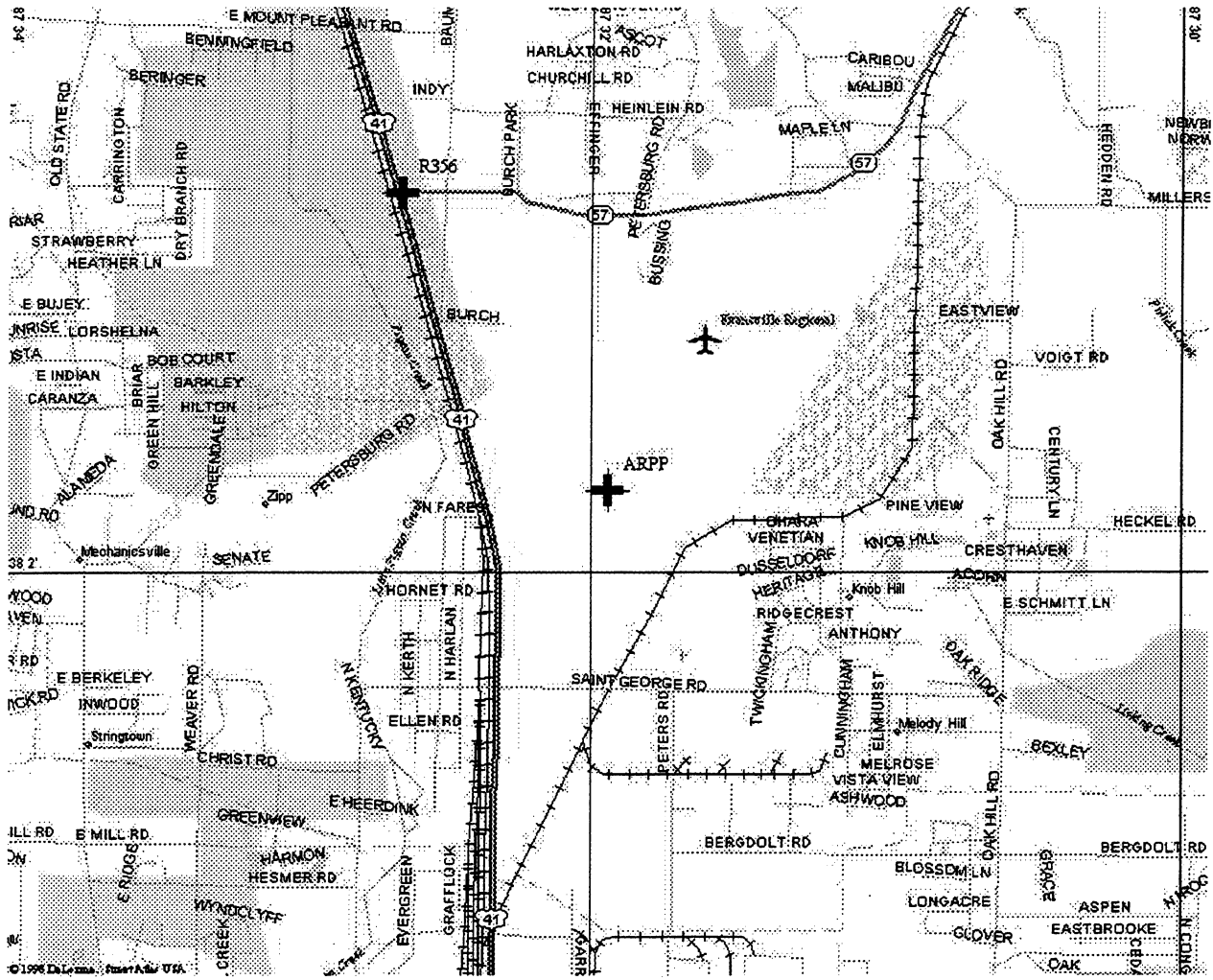
RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED NEAR THE NORTHEAST SIDE OF EVANSVILLE, AT THE EVANSVILLE DRESS REGIONAL AIRPORT, IN GRASS IN THE SOUTHEAST QUADRANT OF THE JUNCTION OF RUNWAYS 18-36 AND 9-27, ALSO IN THE SOUTHEAST QUADRANT OF THE JUNCTION OF RUNWAY 9-27 AND TAXI A (PARALLEL TAXI FOR RUNWAY 4-22), BETWEEN RUNWAY 4-22 AND PARALLEL TAXI A, AND ABOUT IN LINE WITH THE NORTH FACE OF THE TRI-STATE AERO HANGAR LOCATED AT THE WEST RAMP. OWNERSHIP--CITY OF EVANSVILLE, 6221 FLIGHT LINE DRIVE, EVANSVILLE IN 47711. AIRPORT MANAGER IS ROBERT H. WORKING, PHONE 812-421-4401. FOR ACCESS THROUGH LOCKED GATE 9, CONTACT ONE OF THE CAPTAINS OR LIEUTENANTS AT THE SAFETY DEPARTMENT, PHONE 812-421-4408. IF NOT EQUIPPED WITH GROUND RADIO AND STROBE LIGHT AN ESCORT IS REQUIRED. TO REACH FROM THE JUNCTION OF U.S. HIGHWAY 41 AND STATE HIGHWAY 57 IN NORTHEAST EVANSVILLE, GO EASTERLY ON HIGHWAY 57 FOR 1.13 KM (0.70 MI) TO THE AIRPORT ENTRANCE ON RIGHT. TURN RIGHT, SOUTH ON THE ENTRANCE ROAD FOR 0.32 KM (0.20 MI) TO A PAVED ROAD RIGHT. TURN RIGHT, SOUTHWEST ON THE ROAD FOR 0.16 MI (0.26 KM) TO A LOCKED GATE. PASS THROUGH GATE AND GO SOUTHWEST FOR 0.16 KM (0.10 MI) TO A ROAD LEFT ON THE SOUTH SIDE OF THE SAFETY BUILDING. TURN LEFT, EAST ON THE ROAD FOR 0.16 KM (0.10 MI) TO THE EAST CORNER OF THE NORTH RAMP. TURN RIGHT, EAST ACROSS THE RAMP FOR 0.16 KM (0.10 MI) TO CONNECTOR TAXI A2. TURN RIGHT, SOUTHEAST FOR 0.08 KM (0.05 MI) TO PARALLEL TAXI A. TURN RIGHT, SOUTHWEST ALONG THE TAXI FOR 0.64 KM (0.40 MI) TO THE JUNCTION OF RUNWAY 9-27. CONTINUE AHEAD, SOUTHWEST, CROSSING RUNWAY 9-27 AND ALONG A TAXI FOR 0.11 KM (0.05 MI) TO THE STATION ON LEFT. THE STATION IS SET INTO THE TOP OF A 25 CM SQUARE CONCRETE POST FLUSH WITH GROUND. LOCATED 27.5 M (90.2 FT) SOUTHEAST OF THE CENTER OF TAXI, 23.9 M (78.4 FT) SOUTH-SOUTHEAST OF THE 5TH TAXI LIGHT SOUTHWEST OF THE RUNWAY 9-27, 20.68 M (67.85 FT) NORTHWEST OF TRIANGULATION STATION DRESS, 18.7 M (61.4 FT) EAST-NORTHEAST OF THE 6TH TAXI LIGHT (AND FIBERGLASS WITNESS POST) FROM THE RUNWAY AND 18.1 M (59.4 FT) SOUTHEAST OF THE SOUTHEAST EDGE OF THE TAXI. NOTE--THIS STATION IS DESIGNATED AS THE PRIMARY AIRPORT CONTROL STATION.

(location map on following page)

Designator ARP

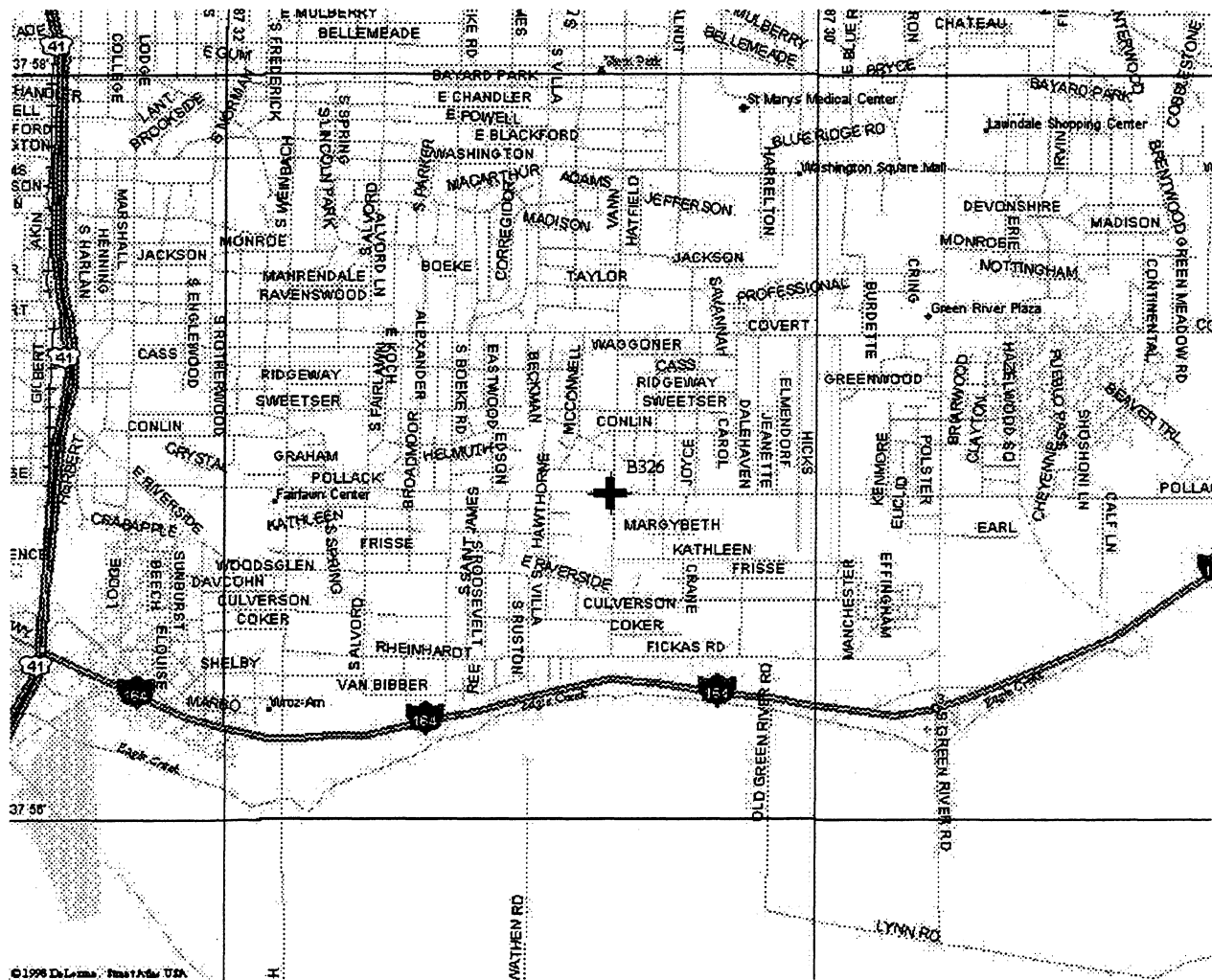
4-Character ID ARPP

County VANDERBURGH



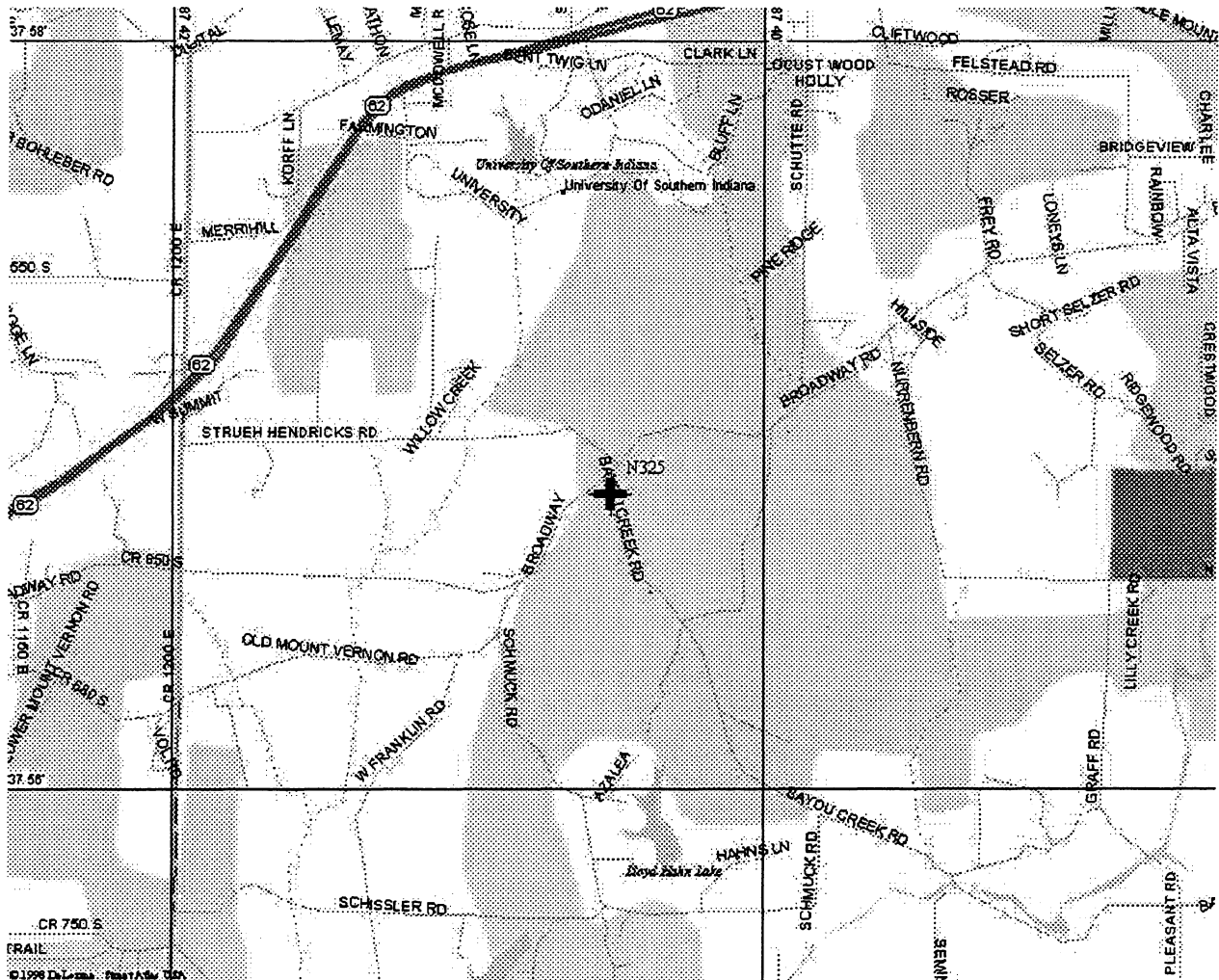
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED ABOUT 4.6 MILES (7.4 KM) EAST OF EVANSVILLE CENTER. AT I-64 AND STATE ROAD 66 (LLOYD EXPRESSWAY) INTERSECTION GO 3.0 MILES (4.8 KM) WEST ON STATE ROAD 66 TO VANN AVENUE. TURN SOUTH ONTO VANN. GO 2.0 MILES (3.2 KM) TO POLLACK AVENUE INTERSECTION. STATION IS 23.82 METERS (78.15 FT) WEST-SOUTHWEST FROM CENTER OF INTERSECTION, 8.5 METERS (27.9 FT) SOUTH OF THE CENTERLINE OF POLLACK AVENUE, 22.3 METERS (73.2 FT) WEST OF THE CENTERLINE OF VANN AVENUE, 10.7 METERS (35.1 FT) WEST OF FIRE HYDRANT, 1.8 METERS (5.9 FT) WEST OF NORTH GUY WIRE BASE, 10.6 METERS (34.8 FT) WEST-NORTHWEST OF EAST POWER POLE, 8.6 METERS (28.2 FT) EAST-SOUTHEAST OF WEST POWER POLE, 3.7 METERS (12.1 FT) NORTH-NORTHWEST OF SOUTH GUY WIRE BASE AND IS RECESSED 10 CM BELOW GROUND.



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATE ROAD 62 WEST OF THE CITY OF EVANSVILLE TO SCHUTTE ROAD, SOUTH ON SCHUTTE ROAD 1.1 MILES (1.8 KM) TO BROADWAY AVENUE T-INTERSECTION (OLD STATE ROAD 62), WEST ON BROADWAY AVENUE 0.7 MILES (1.1 KM) TO BAYOU CREEK ROAD (BLACKTOP ROAD RUNNING SOUTH), SOUTH ON BAYOU CREEK ROAD 400 FEET (121.9 M) TO CRUSHED STONE DRIVE ON EAST SIDE OF ROAD ENTERING OIL TANK STORAGE AND FARM FIELD AREA. LOCATED 14.33 METERS (47.01 FT) SOUTHWEST OF THE METAL CASING AND PUMP OF AN OLD OIL WELL, 8.47 METERS (27.79 FT) NORTHWEST OF THE NORTHWEST CORNER OF A CONCRETE BLOCK BUILDING, 10.97 METERS (35.99 FT) EAST OF THE CENTERLINE OF BAYOU CREEK ROAD, SET IN THE TOP OF A ROUND CONCRETE POST ABOUT LEVEL WITH THE GROUND.



Designator R 356

4-Character ID R356

County VANDERBURGH

Description and Location Map

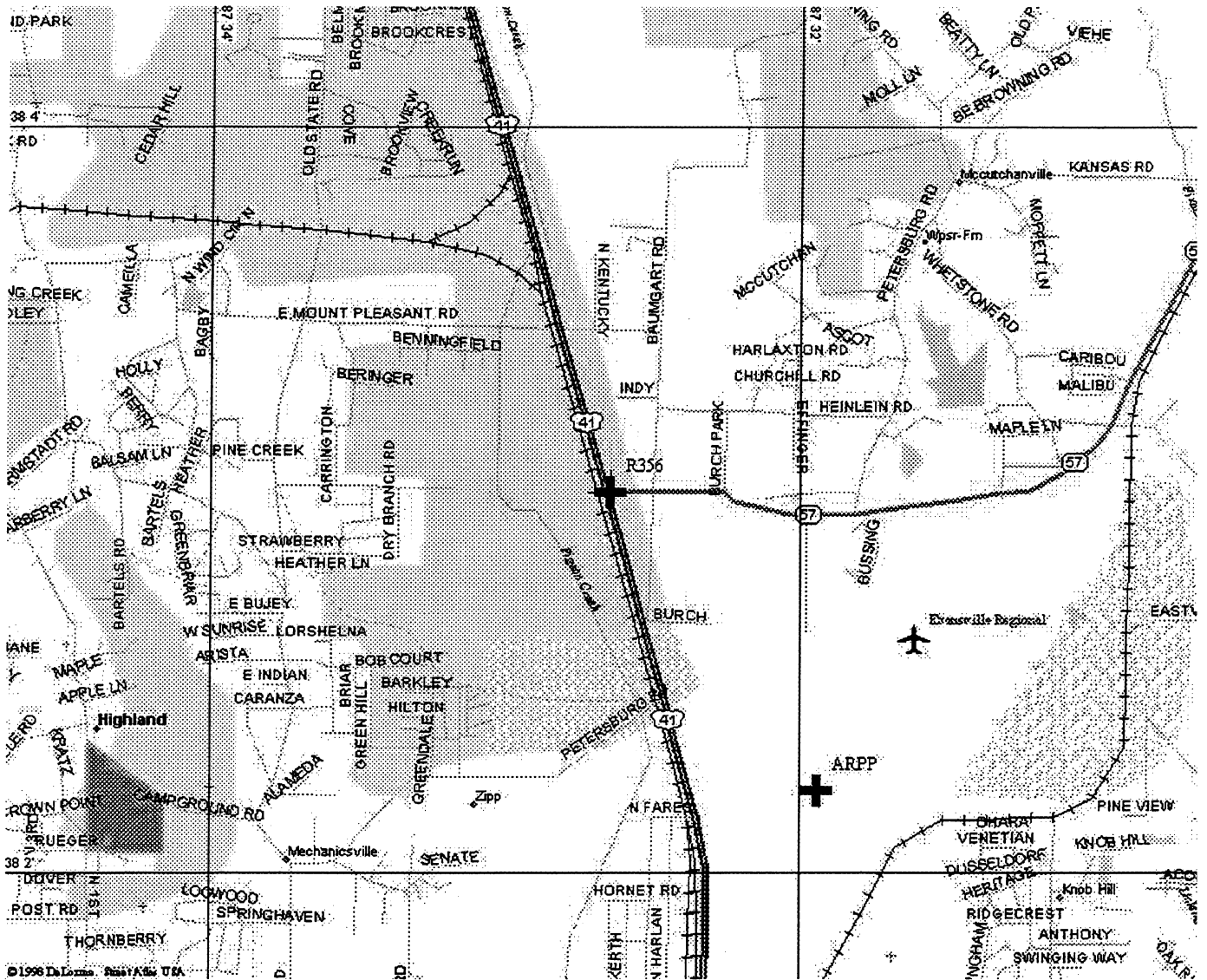
RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED NEAR THE NORTH SIDE OF EVANSVILLE, ABOUT 0.5 KM (0.30 MI) NORTHWEST OF THE EVANSVILLE DRESS REGIONAL AIRPORT, NEAR THE SOUTHWEST CORNER OF THE PARKING LOT FOR THE CUMMINS DIESEL PROPERTY, AND IN THE HIGHWAY RIGHT-OF-WAY. OWNERSHIP--INDIANA DEPARTMENT OF TRANSPORTATION. THE STATION IS LOCATED IN THE NORTHEAST QUADRANT OF THE JUNCTION OF U.S. HIGHWAY 41 AND STATE HIGHWAY 57. THE STATION IS A PUNCH HOLE ON THE TOP CENTER OF A STAINLESS STEEL DATUM POINT FASTENED TO A STAINLESS STEEL ROD ENCASED IN A 12.7 CM PVC PIPE WITH A LOGO CAP SURROUNDED BY CONCRETE RECESSED 8 CM BELOW GROUND. IT IS 25.2 M (82.7 FT) EAST OF THE CENTER OF THE NORTHBOUND LANES OF HIGHWAY 41, 16.0 M (52.5 FT) NORTH OF THE CENTER OF HIGHWAY 57, 6.0 M (19.7 FT) EAST-NORTHEAST OF THE CENTER OF A STEEL DRAIN, 3.54 M (11.61 FT) EAST OF THE EAST CORNER OF A CONCRETE BASE FOR A STEEL POWER POLE WITH A METER, 4.48 M (14.70 FT) NORTH OF THE CENTER OF A 0.8 M (2.6 FT) DIAMETER STEEL MANHOLE COVER, 3.29 M (10.79 FT) WEST-NORTHWEST OF THE CENTER OF A 0.4 M (1.3 FT) SQUARE CONCRETE CABLE DUCT COVER, 1.5 M (4.9 FT) SOUTHWEST OF THE SOUTHWEST EDGE OF THE CUMMINS PARKING LOT AND 0.85 M (2.79 FT) EAST OF POWER POLE NUMBER 84 3 AND A FIBERGLASS WITNESS POST.

(location map on following page)

Designator R 356

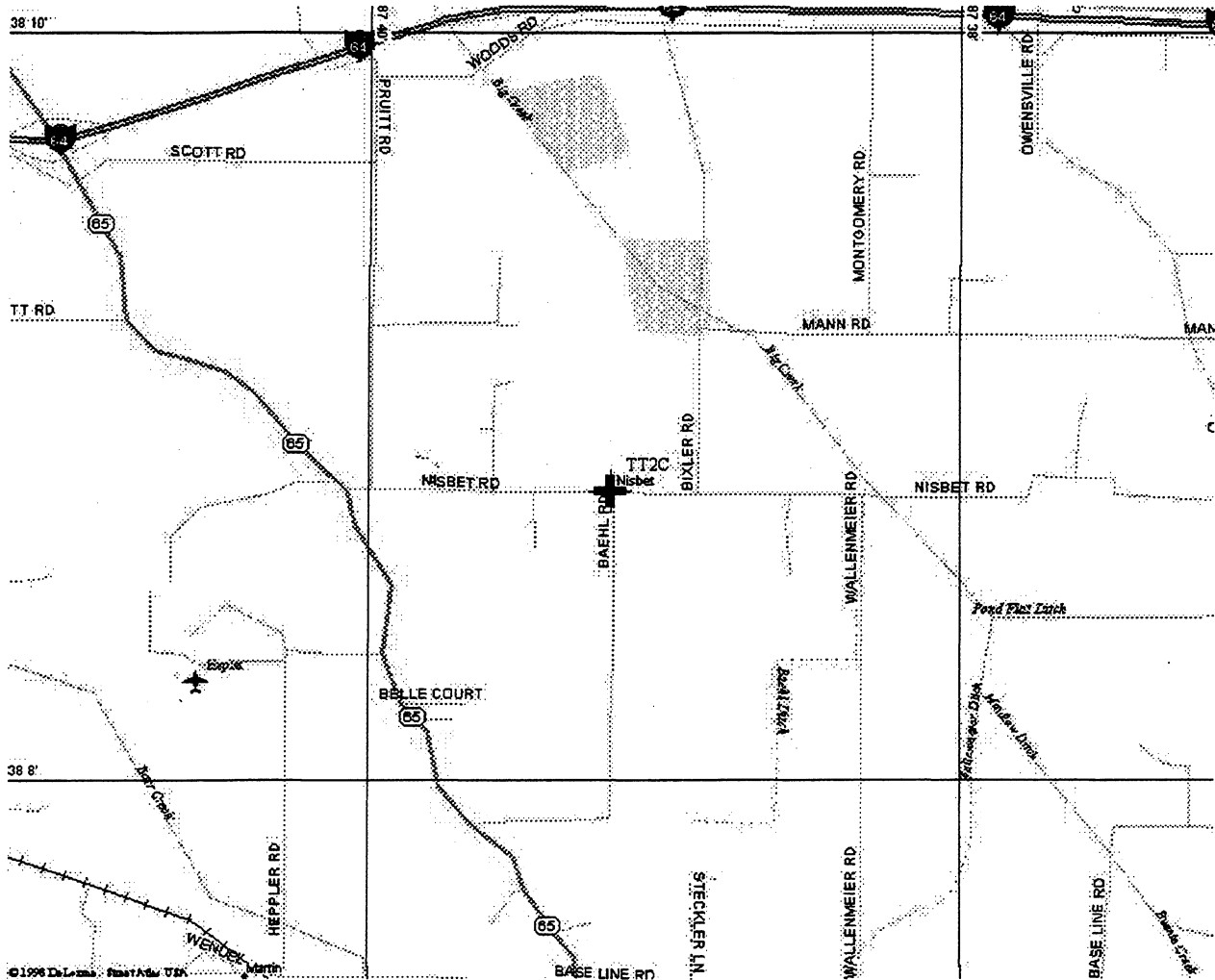
4-Character ID R356

County VANDERBURGH



Description and Location Map

DESCRIBED BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) IN NISBET, AT THE INTERSECTION OF NISBET ROAD AND BAEHL ROAD. TO REACH STATION FROM THE INTERSECTION OF INTERSTATE HIGHWAY 64 AND STATE ROAD 65, GO SOUTHEAST ON STATE ROAD 65 FOR 1.4 MILES (2.3 KM) TO NISBET ROAD, TURN LEFT, EASTERLY AND GO 0.8 MILE (1.3 KM) TO BAEHL ROAD AND THE STATION ON THE LEFT. THE STATION IS LOCATED IN STONE PARKING LOT OF THE NISBET INN, 6701 NISBET ROAD, PHONE 812-963-9305. THE STATION IS A U.S. GEOLOGICAL SURVEY BENCHMARK DISK SET FLUSH IN TOP OF A SQUARE CONCRETE MONUMENT SLIGHTLY LOWER THAN LEVEL OF PAVED ROAD. CENTERLINE NISBET ROAD 5.40 METERS (17.72 FT) SOUTH, EXTENDED CENTERLINE BAEHL ROAD 10.4 METERS (34.1 FT) WEST, CENTERLINE ABANDONED RAILROAD 7 METERS (23.0 FT) EAST, POWER POLE BEARS MAG AZIMUTH 301 DEGREES 6.45 METERS (21.16 FT), CONCRETE ROAD MARKER MARKED BAEHL ROAD BEARS MAG AZIMUTH 244 DEGREES 18.71 METERS (61.38 FT), TRIANGULAR CONE POST BEARS MAG AZIMUTH 355 DEGREES 7.37 METERS (24.18 FT), NORTHEAST CORNER BUILDING BEARS MAG AZ 332 DEGREES 41.25 METERS (135.33 FT), SOUTHEAST CORNER OF BUILDING BEARS MAG AZ 308 DEGREES 33.60 METERS (110.24 FT). THE MARK SHOWS SIGNS OF BEING SCRAPED AND DRIVEN OVER BUT IS IN GENERALLY GOOD CONDITION.



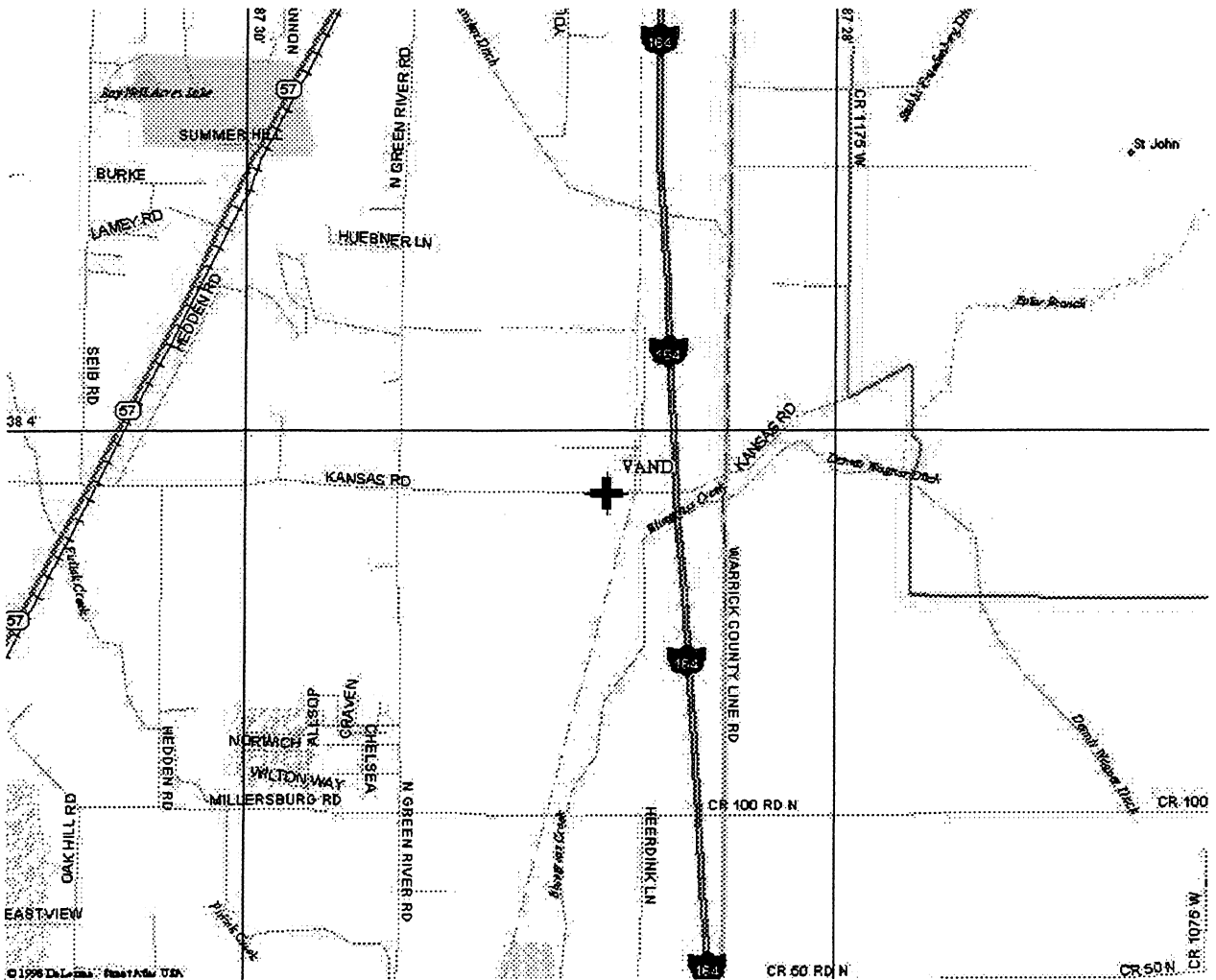
Designator VANDERBURGH STC

4-Character ID VAND

County VANDERBURGH

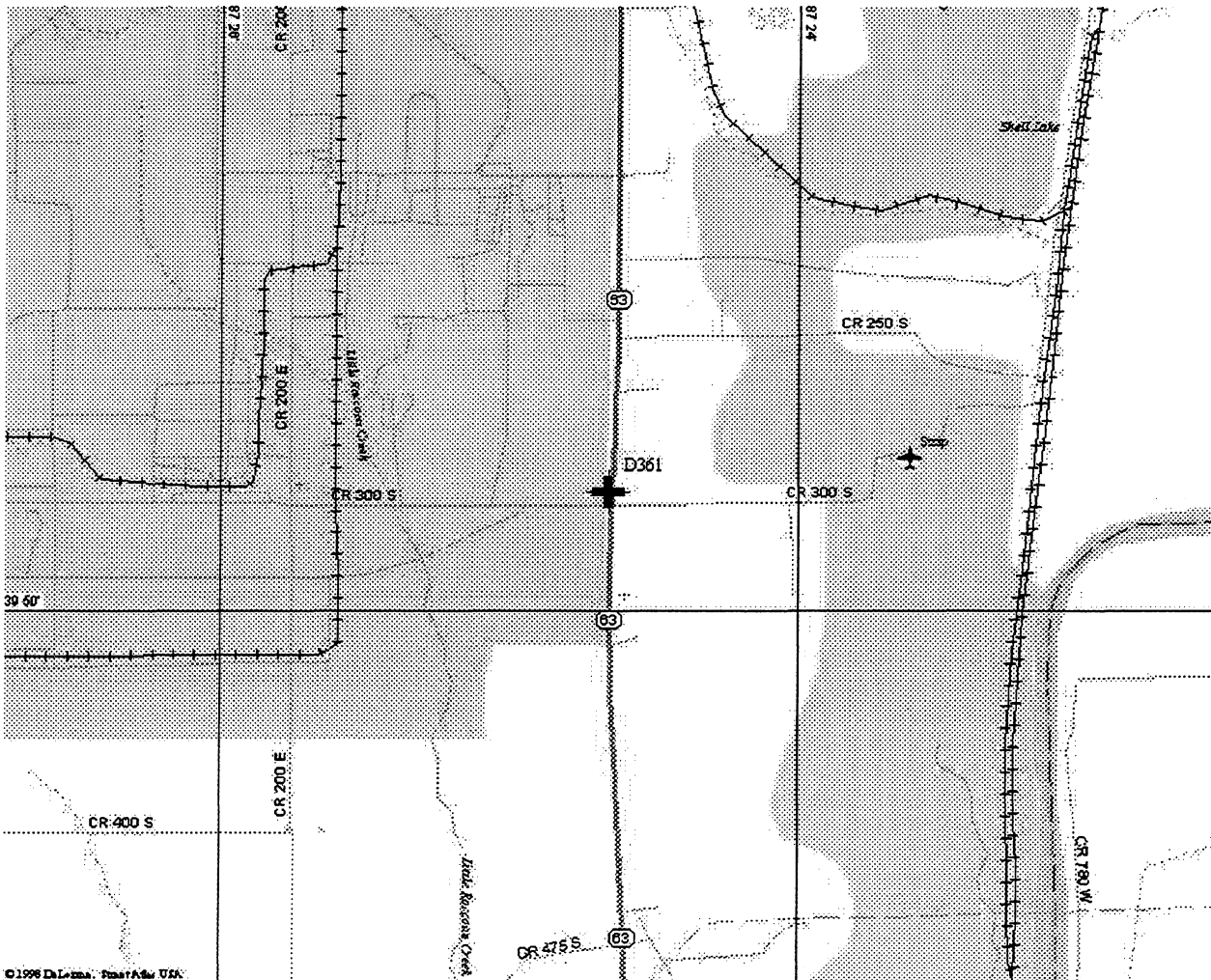
Description and Location Map

DESCRIBED BY SCHNEIDER ENGINEERING CORPORATION 1997 THE STATION IS 7 MILES (11.3 KM) NORTHEAST OF EVANSVILLE, 12 MILES (19.3 KM) NORTHWEST OF BOONVILLE AND 2 MILES (3.2 KM) SOUTH OF DAYLIGHT. TO REACH THE STATION FROM JUNCTION OF STATE ROAD 57 SOUTH AND I-165, GO SOUTH ON STATE ROAD 57 AND 3 MILES (4.8 KM) TO GREEN RIVER ROAD. TURN LEFT AND GO 2.0 MILES (3.2 KM) TO KANSAS ROAD. TURN LEFT AND GO 0.95 MILES (1.53 KM) TO THE STATION ON LEFT, AT ENTRANCE TO VANDERBURG COUNTY SHERIFF TRAINING CENTER. OWNERSHIP--VANDERBURG COUNTY SHERIFF DEPARTMENT. STATION IS A BERNTSEN STEEL ROD DRIVEN 4.9 METERS (16.1 FT) IN GROUND. LOCATED AT AZIMUTH 301 DEGREES 33.04 METERS (108.40 FT) TO SECOR HOUSE, AZIMUTH 59 DEGREES 19.00 METERS (62.34 FT) SOUTHWEST CORNER BRICK SIGN, AZIMUTH 180 DEGREES 9.20 METERS (30.18 FT) TO CENTERLINE ROAD.



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS 3 MILES (4.8 KM) SOUTH OF NEWPORT, ON STATE ROAD 63. TO REACH STATION FROM INTERSECTION OF U.S. HIGHWAY 31 WITH STATE ROAD 63, GO NORTH ON STATE ROAD 63 FOR 3.1 MILES (5.0 KM) TO SOUTH ENTRANCE OF NEWPORT CHEMICAL DEPOT AND THE STATION ON THE LEFT (WEST) SIDE OF STATE ROAD 63 AND THE NORTH SIDE OF ENTRANCE ROAD. THE MARK IS EAST OF RIGHT-OF-WAY FENCE APPARENTLY ON STATE HIGHWAY RIGHT-OF-WAY, BUT IS UNDER WATCH OF PLANT SECURITY. POINT OF CONTACT AT NEWPORT CHEMICAL DEPOT IS KEVIN RUDDUCK, PHONE 765-245-2251. POINT OF CONTACT AT INDOT IS HENRY ALDRIDGE, 100 N. SENATE AVENUE, INDIANAPOLIS IN 46204. THE STATION IS A STAINLESS STEEL ROD 0.07 METERS (0.23 FT) BELOW 5-INCH LOGO CAP. THE MARK IS 60.9 METERS (199.8 FT) NORTH OF THE CENTERLINE OF ENTRANCE ROAD/COUNTY ROAD 300 SOUTH, 36.9 METERS (121.1 FT) WEST OF THE CENTERLINE OF STATE ROAD 63 SOUTHBOUND LANES, 24.9 NORTHWEST OF THE NORTHEAST CORNER OF THE STONEWORK NEWPORT CHEMICAL DEPOT SIGN BASE, 25.5 METERS (83.7 FT) NORTH-NORTHWEST OF THE NORTHWEST CORNER OF SAID SIGN, 1.93 METERS (6.33 FT) NORTH OF THE SOUTH END OF THE WOVEN WIRE RIGHT-OF-WAY FENCE AND 0.5 METERS (1.6 FT) EAST OF FENCE AND FIBERGLASS WITNESS POST.



Designator FAA 3I3 A

4-Character ID 3I3A

County VIGO

Description and Location Map

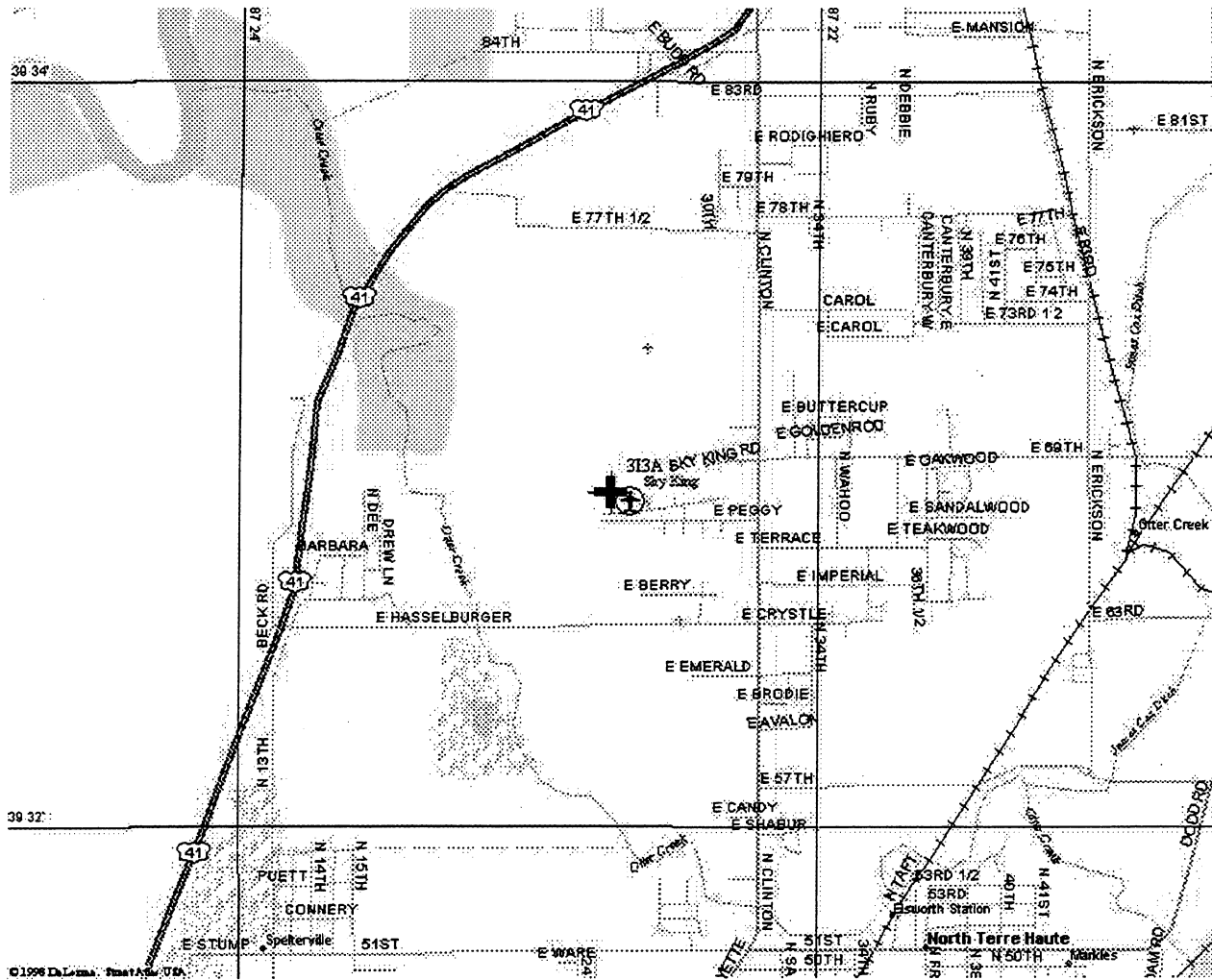
RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED IN THE NORTHERN PART OF TERRE HAUTE, AT THE SKY KING AIRPORT, IN GRASS NEAR THE CENTER OF THE AIRFIELD, IN THE SOUTHEAST QUADRANT OF THE JUNCTION OF RUNWAYS 8-26 AND 18-36, ALONG THE AIRPORT PERIMETER FENCE AND IN LINE WITH THE WEST FACE OF THE WESTERNMOST BRICK HOUSE LOCATED IN THE SOUTHEAST QUADRANT OF THE JUNCTION OF THE RUNWAYS. OWNERSHIP--SKY KING AIRPORT INC., 6898 NORTH CLINTON STREET, TERRE HAUTE IN 47805. AIRPORT MANAGER IS STEVE BROWN, PHONE 812-466-2229. CONTACT HIM FOR PERMISSION TO OCCUPY THIS STATION. TO REACH FROM THE UNDERPASS AT THE JUNCTION OF INTERSTATE HIGHWAY 70 AND U.S. HIGHWAY 41 (3RD STREET) AT EXIT 7 NEAR THE SOUTH SIDE OF TERRE HAUTE, GO NORTH ON HIGHWAY 41 FOR 3.86 KM (2.40 MI) TO THE JUNCTION OF U.S. HIGHWAY 40E (OHIO STREET) AND THE COURTHOUSE ON THE LEFT. CONTINUE NORTH ON HIGHWAY 41 FOR 0.80 KM (0.50 MI) TO A PAVED Y-JUNCTION ON THE RIGHT (LAFAYETTE AVENUE) AND A PAVED ROAD LEFT (SYCAMORE STREET). TURN RIGHT, NORTHEAST ON LAFAYETTE AVENUE FOR 4.43 KM (2.75 MI) TO A PAVED CROSSROAD (FT. HARRISON ROAD). CONTINUE NORTHEAST ON LAFAYETTE AVENUE FOR 5.15 KM (3.20 MI) TO A PAVED ROAD RIGHT (ROSEHILL AVENUE) AND THE PAVED AIRPORT ENTRANCE ROAD ON THE LEFT. TURN LEFT, WEST ON THE ENTRANCE ROAD FOR 0.16 KM (0.10 MI) TO THE APRON AND THE AIRPORT OFFICE ON THE LEFT. TURN LEFT, SOUTH ACROSS THE APRON AND CROSSING THE OVERRUN FOR RUNWAY END 26 FOR 0.12 KM (0.05 MI) TO THE SOUTH SIDE OF THE RUNWAY. TURN RIGHT, WEST ALONG THE RUNWAY FOR 0.56 KM (0.35 MI) TO THE STATION ON THE LEFT. THE STATION IS A PUNCH HOLE TOP CENTER OF A STAINLESS STEEL ROD IN A 2.5 CM GREASE FILLED SLEEVE 90 CM LONG ENCASED IN A 12.7 CM PVC PIPE WITH A LOGO CAP SURROUNDED BY CONCRETE RECESSED 5 CM BELOW THE GROUND. IT IS 31.9 M (104.7 FT) EAST OF THE CENTER OF RUNWAY 18-36, 30.5 M (100.1 FT) SOUTH OF THE CENTER OF RUNWAY 8-26, 24.4 M (80.1 FT) EAST OF THE EAST EDGE OF RUNWAY 18-36, 23.0 M (75.5 FT) SOUTH OF THE SOUTH EDGE OF RUNWAY 8-26, 20.45 M (67.09 FT) SOUTH OF THE RUNWAY LIGHT JUST SOUTH OF THE RUNWAYS JUNCTION, 1.25 M (4.10 FT) NORTHWEST OF A WOODEN FENCE CORNER POST, 1.2 M (3.9 FT) SOUTH OF THE EXTENDED LINE OF RUNWAY LIGHTS FOR RUNWAY 8-26 AND 0.9 M (3.0 FT) NORTH-NORTHWEST OF A FIBERGLASS WITNESS POST. NOTE--THIS STATION IS DESIGNATED AS THE PRIMARY AIRPORT CONTROL STATION.

(location map on following page)

Designator FAA 3I3 A

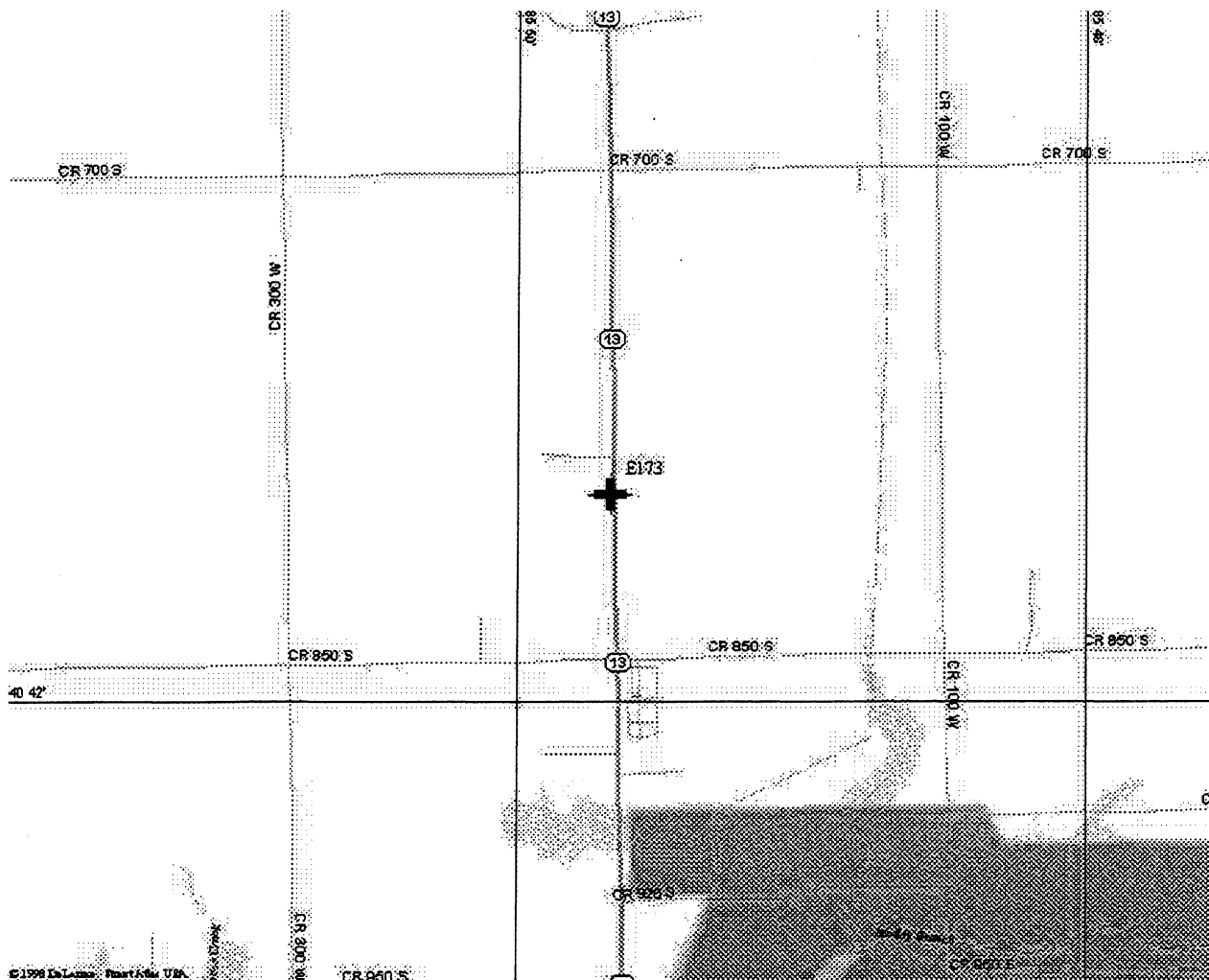
4-Character ID 3I3A

County VIGO



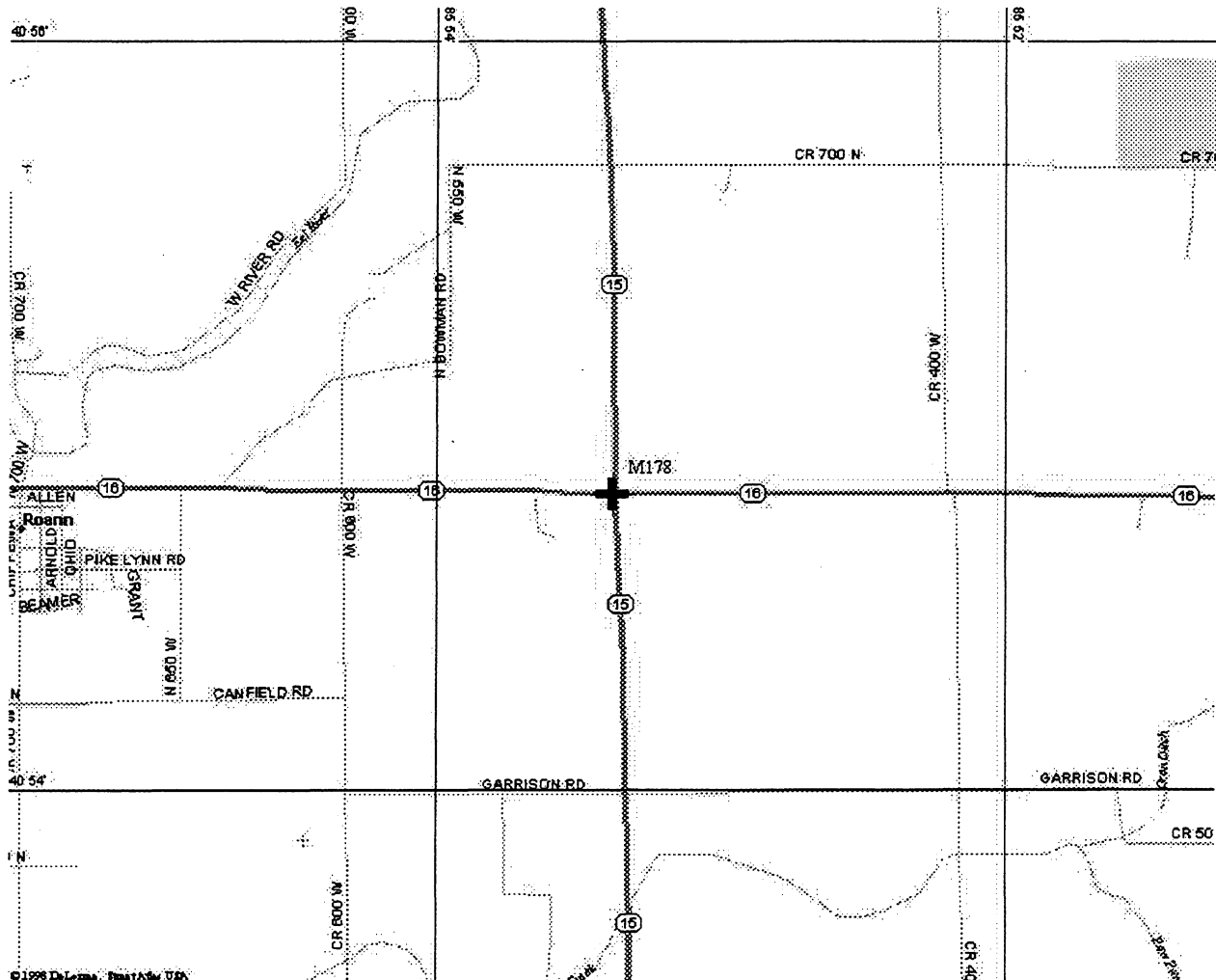
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED ABOUT 40.23 KILOMETERS (25.00 MI) SOUTH-SOUTHWEST OF HUNTINGTON, 25.7 KILOMETERS (15.95 MI) NORTHEAST OF MARION, 24.1 KILOMETERS (14.95 MI) EAST OF PERU, 10.5 KILOMETERS (6.50 MI) SOUTH OF WABASH, ON THE WEST SIDE OF STATE ROAD 13 RIGHT-OF-WAY, 3.22 KILOMETERS (2.00 MI) SOUTH OF JUNCTION STATE ROAD 124. OWNERSHIP--INDIANA DEPARTMENT OF TRANSPORTATION, 100 NORTH SENATE AVENUE, INDIANAPOLIS IN 46204. TO REACH STATION FROM THE COURTHOUSE IN CENTER OF WABASH, LOCATED ON STATE ROADS 13 AND 15, GO SOUTH ON STATE ROADS 13 AND 15 FOR 2.01 KILOMETERS (1.25 MI) TO THE POINT WHERE STATE ROAD 13 TURNS RIGHT AND STATE ROAD 15 CONTINUES STRAIGHT. TURN RIGHT, SOUTH ON STATE ROAD 13 FOR 5.15 KILOMETERS (3.20 MI) TO THE JUNCTION OF STATE ROAD 124. CONTINUE AHEAD SOUTH FOR 3.22 KILOMETERS (2.00 MI) TO THE STATION ON THE RIGHT, AT A FARM FIELD ENTRANCE AND ON NORTHEAST SIDE OF A LONE METAL I-BEAM MARKING CULTIVATED FIELD PROPERTY LINE SECTION LINE. STATION PROJECTS 0.1 METERS (0.3 FT) ABOVE GROUND. LOCATED 21.0 METERS (68.9 FT) SOUTH OF POWER POLE 234283, 12.1 METERS (39.7 FT) WEST OF THE CENTER OF HIGHWAY 13, 0.7 METERS (2.3 FT) NORTHEAST OF A LONE METAL I-BEAM PROJECTING ABOUT 1.3 METERS (4.3 FT) ABOVE GROUND MARKING PROPERTY LINE BETWEEN CULTIVATED FIELD AND 0.3 METERS (1.0 FT) SOUTH OF A FIBERGLASS WITNESS POST.



Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS 22 MILES (35.4 KM) WEST OF HUNTINGTON, 9 MILES (14.5 KM) NORTHWEST OF WABASH AND 2 MILES (3.2 KM) EAST OF ROANN. TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 13 AND STATE ROAD 16, GO WEST ON STATE ROAD 16 FOR 5.0 MILES (8.0 KM) TO THE INTERSECTION OF STATE ROAD 15 AND THE STATION, IN THE SOUTHWEST QUADRANT OF THE INTERSECTION, IN THE HIGHWAY RIGHT-OF-WAY. OWNERSHIP--INDIANA DEPARTMENT OF TRANSPORTATION, 100 N. SENATE AVENUE, ROOM 1101, STATE OFFICE BUILDING, INDIANAPOLIS IN 46204, HENRY ALDRIDGE, PHONE 317-232-6764. THE STATION IS SET IN A CONCRETE HEADWALL. DISK IS IN FAIR CONDITION SHOWING EVIDENCE OF BEING HIT WITH MOWING EQUIPMENT. DATUM POINT IS BARELY VISIBLE. IT IS 30.1 METERS (98.8 FT) WEST OF CENTERLINE OF STATE ROAD 15, 18.3 METERS (60.0 FT) SOUTH OF CENTERLINE OF STATE ROAD 16, 0.3 METERS (1.0 FT) WEST OF EAST END OF 2.6 METER (8.5 FT) LONG HEADWALL OF A 24-INCH CONCRETE PIPE RUNNING UNDER STATE ROAD 16, ABOUT 0.5 METERS (1.6 FT) BELOW LEVEL OF HIGHWAYS.



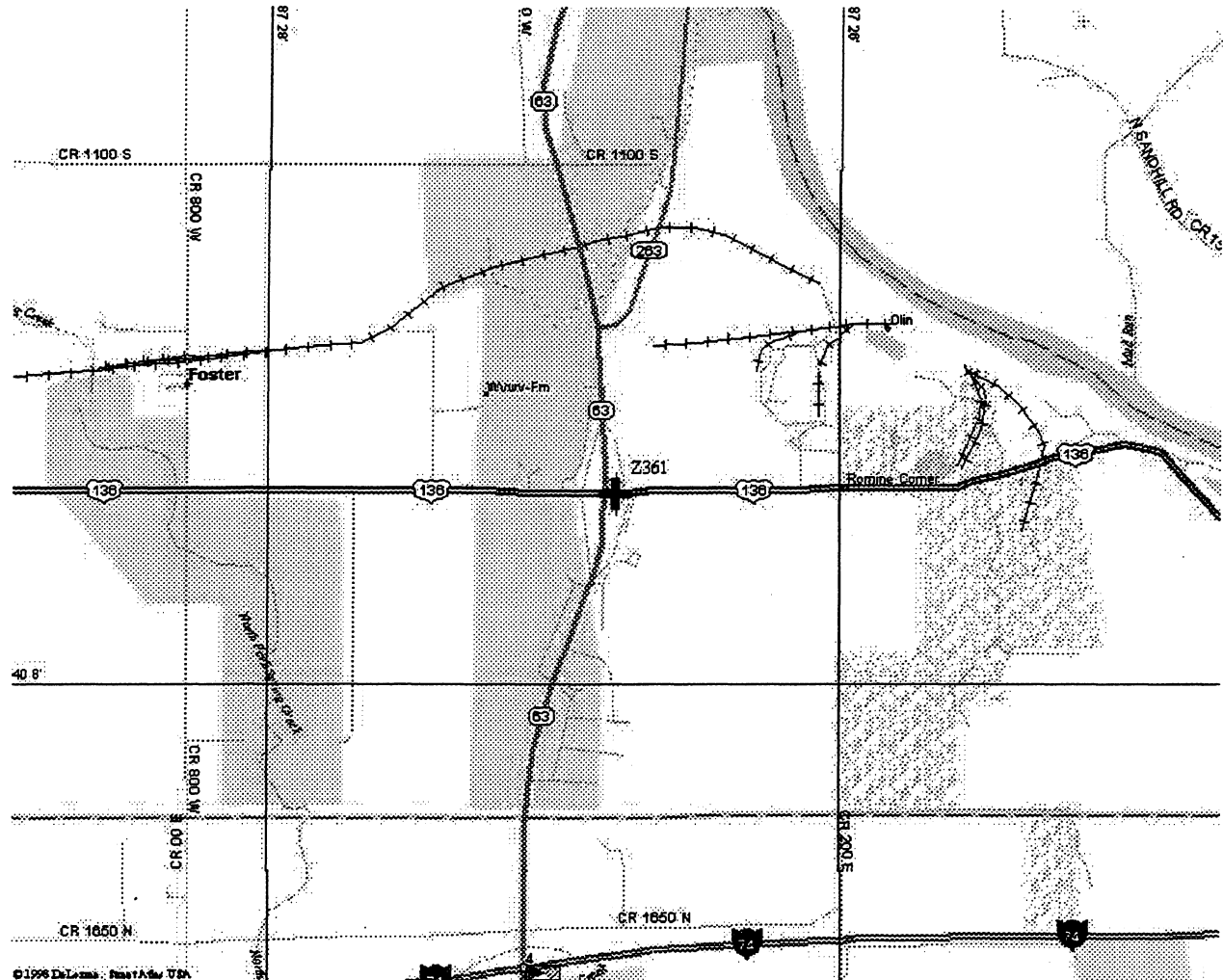
Designator Z 361

4-Character ID Z361

County WARREN

Description and Location Map

DESCRIBED BY NATIONAL GEODETIC SURVEY 1986 16.7 KM (10.4 MI) EAST FROM DANVILLE IL. 16.7 KM (10.35 MI) EASTERLY ALONG U.S. HIGHWAY 136 FROM ITS JUNCTION WITH U.S. HIGHWAY 150 IN DANVILLE IL, TOP OF AND 0.4 M (1.3 FT) NORTH OF THE SOUTH END OF THE EAST CONCRETE ABUTMENT OF THE U.S. HIGHWAY 136 OVERPASS OF THE HIGHWAY, AND 7.2 M (23.6 FT) SOUTH OF THE CENTERLINE OF THE HIGHWAY. THE MARK IS 0.3 M ABOVE THE HIGHWAY.



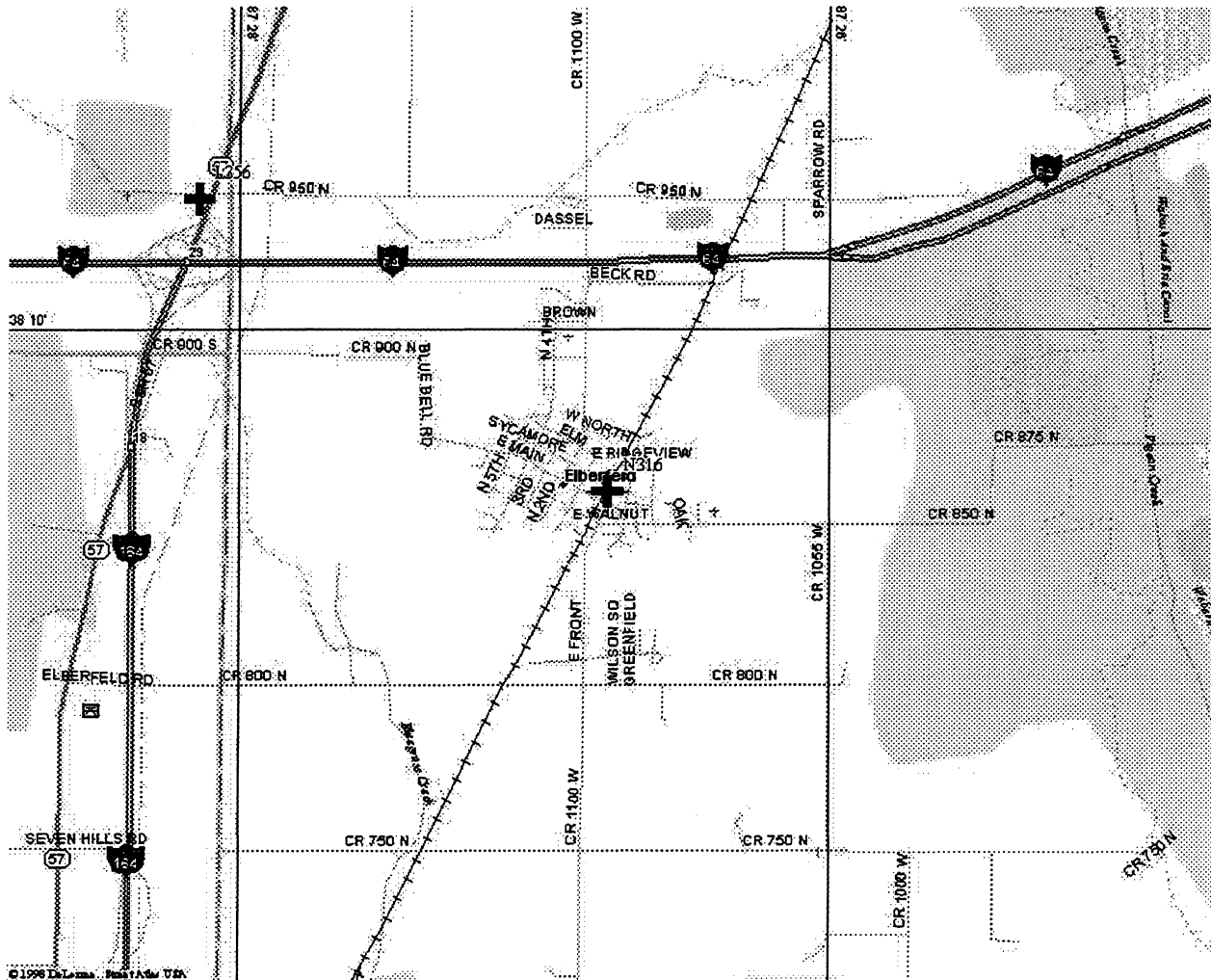
Designator N 316

4-Character ID N316

County WARRICK

Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) THE STATION IS LOCATED 1.3 MILES (2.1 KM) EAST OF INTERSTATE HIGHWAY 164, 0.6 MILES (1.0 KM) SOUTH OF INTERSTATE HIGHWAY 64, IN THE TOWN OF ELBERFELD. TO REACH THE STATION FROM THE INTERCHANGE OF INTERSTATE HIGHWAYS 64, 164, AND STATE HIGHWAY 57, GO NORTH ON STATE HIGHWAY 57 FOR 0.15 MILES (0.24 KM) TO A CROSSROAD. TURN RIGHT AT NOBLE CHAPEL ROAD AND GO EAST FOR 1.1 MILES (1.8 KM) TO A CROSSROAD, TURN RIGHT ON NORTH SECOND STREET AND GO SOUTH FOR 0.9 MILES (1.4 KM) TO A CROSSROAD, TURN LEFT ON MAIN STREET AND GO 0.1 MILES (0.2 KM) TO THE FIRST CROSSROAD OVER RAILROAD TRACKS, TURN LEFT AT EAST FRONT STREET AND GO NORTH 0.04 MILES (0.06 KM) TO STATION ON LEFT. OWNERSHIP--INDIANA SOUTHERN RAILROAD, GENERAL MANAGER, DICK NEWMAN, PHONE 812-354-8080. THE STATION IS SET IN A ROUND CONCRETE MONUMENT FLUSH WITH GROUND, ABOUT LEVEL WITH RAILROAD TRACKS. IT IS 71.6 METERS (234.9 FT) NORTHEAST OF THE CENTERLINE OF MAIN STREET, 22.71 METERS (74.51 FT) SOUTHWEST OF POWER POLE 661-352, 14.48 METERS (47.51 FT) WEST OF CENTERLINE OF EAST FRONT STREET, 8.47 METERS (27.79 FT) SOUTHEAST OF SOUTHEAST RAIL AND 0.47 METERS (1.54 FT) WEST OF METAL WITNESS POST.



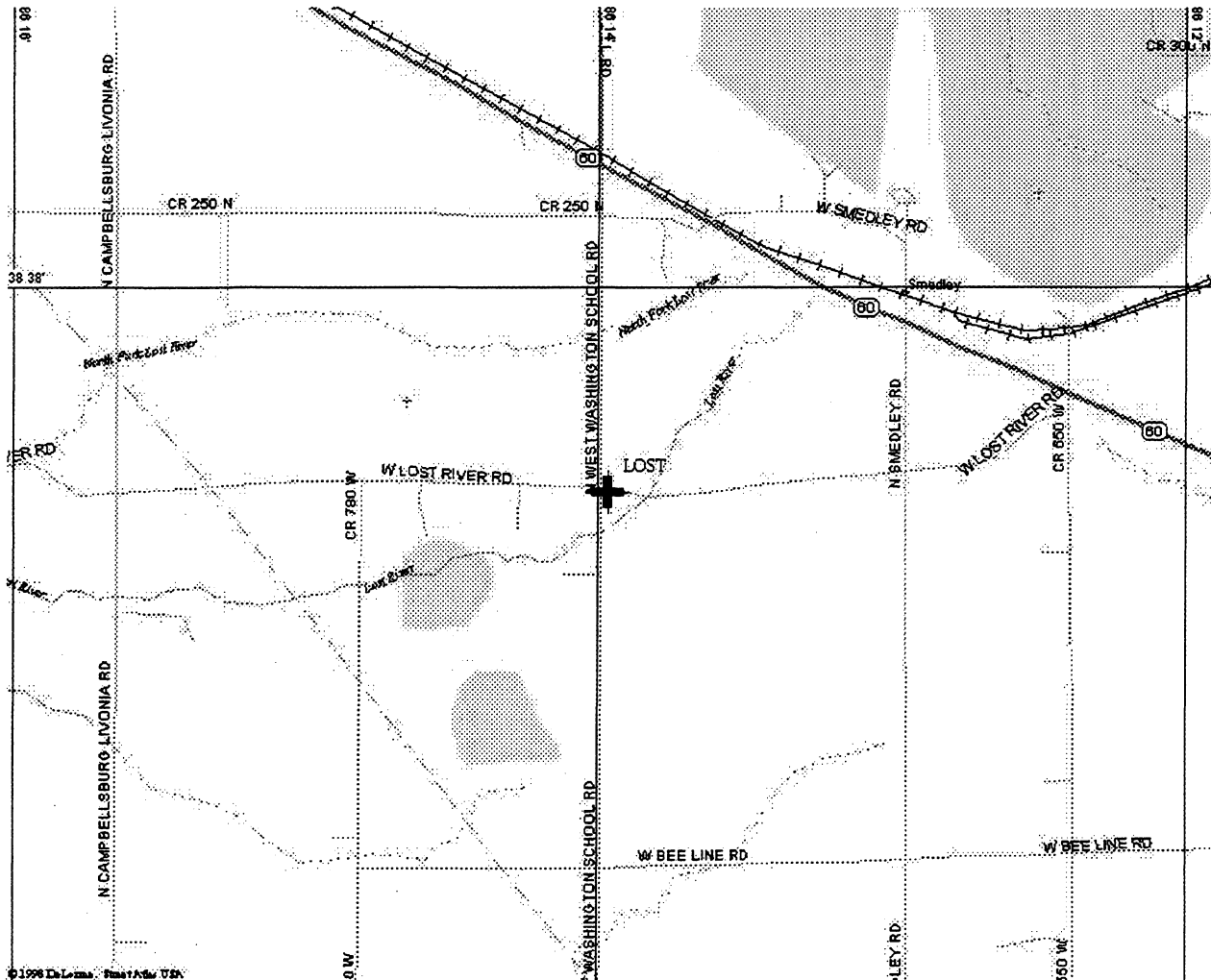
Designator LOST

4-Character ID LOST

County WASHINGTON

Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED ABOUT 10 KM (6.20 MI) WEST-NORTHWEST OF SALEM, IN WEEDS BETWEEN A SMALL WHITE BARN AND A PAVED ROAD, AND IN THE SOUTHEAST QUADRANT OF THE JUNCTION OF TWO PAVED ROADS. OWNERSHIP--BRIAN ROSENBAUM, 7883 WEST LOST RIVER ROAD, SALEM IN 47167, PHONE 812-755-5023. TO REACH FROM THE JUNCTION OF STATE HIGHWAYS 56 AND 60 NEAR THE WEST EDGE OF SALEM, GO NORTHWEST ON HIGHWAY 60 FOR 10.3 KM (6.40 MI) TO A PAVED ROAD LEFT. TURN LEFT, SOUTH ON WEST WASHINGTON SCHOOL ROAD FOR 1.61 KM (1.00 MI) TO THE PAVED JUNCTION OF LOST RIVER ROAD AND THE STATION ON THE LEFT. THE STATION IS SET IN THE TOP OF A 35 CM SQUARE CONCRETE POST PROJECTING 3 CM ABOVE GROUND. IT IS 28.0 M (91.9 FT) EAST OF THE CENTER OF WASHINGTON SCHOOL ROAD, 12.4 M (40.7 FT) NORTHEAST OF THE NORTHWEST CORNER OF A BARN, 11.4 M (37.4 FT) NORTHWEST OF THE NORTHEAST CORNER OF THE BARN, 10.5 M (34.4 FT) NORTH OF THE NORTH FACE OF THE BARN, 10.5 M (34.4 FT) SOUTH-SOUTHWEST OF THE CENTER OF LOST RIVER ROAD, 9.6 M (31.5 FT) SOUTHEAST OF THE WEST END OF A FENCE AND 5.5 M (18.0 FT) SOUTH OF A FENCE AND A FIBERGLASS WITNESS POST.



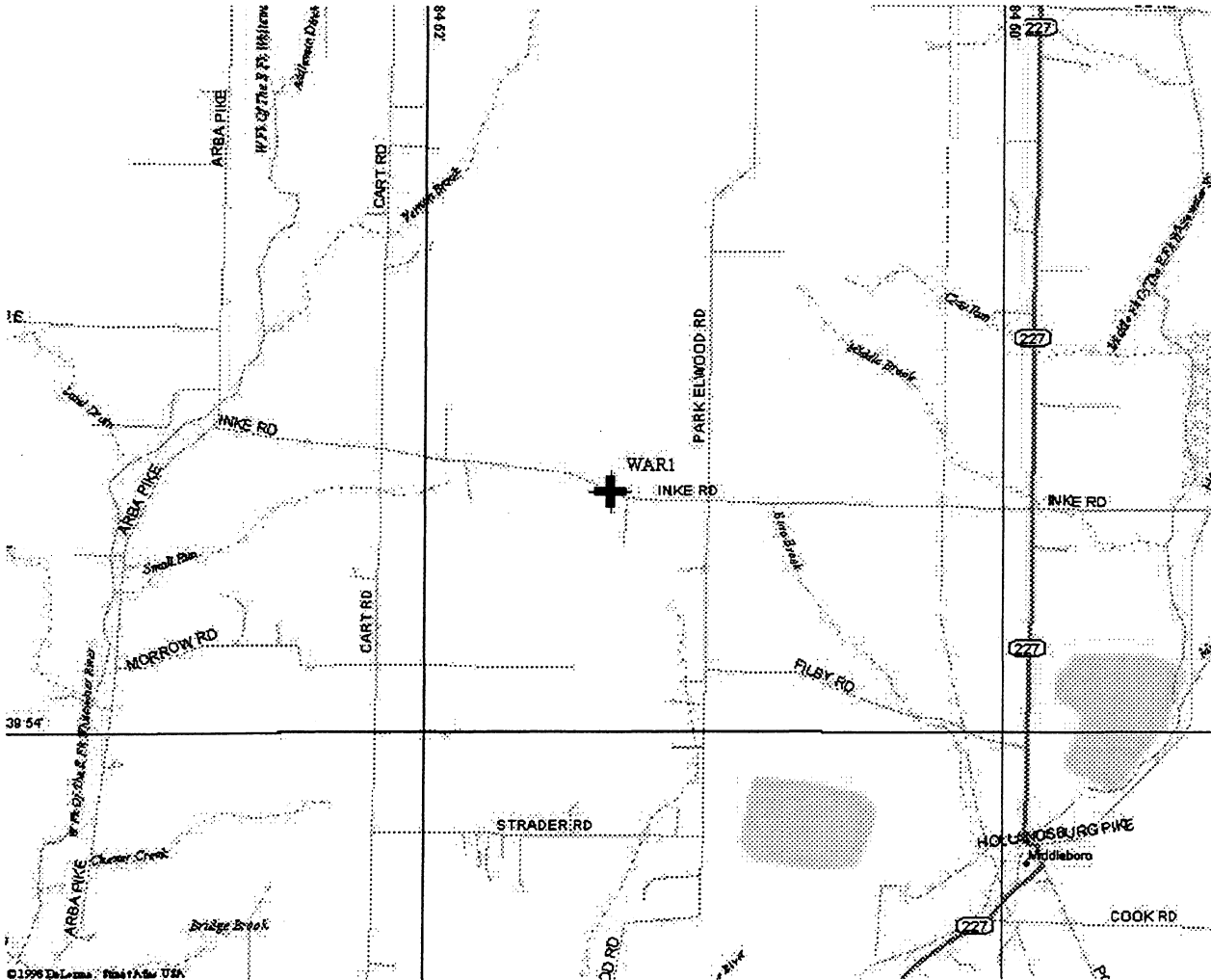
Designator WALTING RM 1

4-Character ID WAR1

County WAYNE

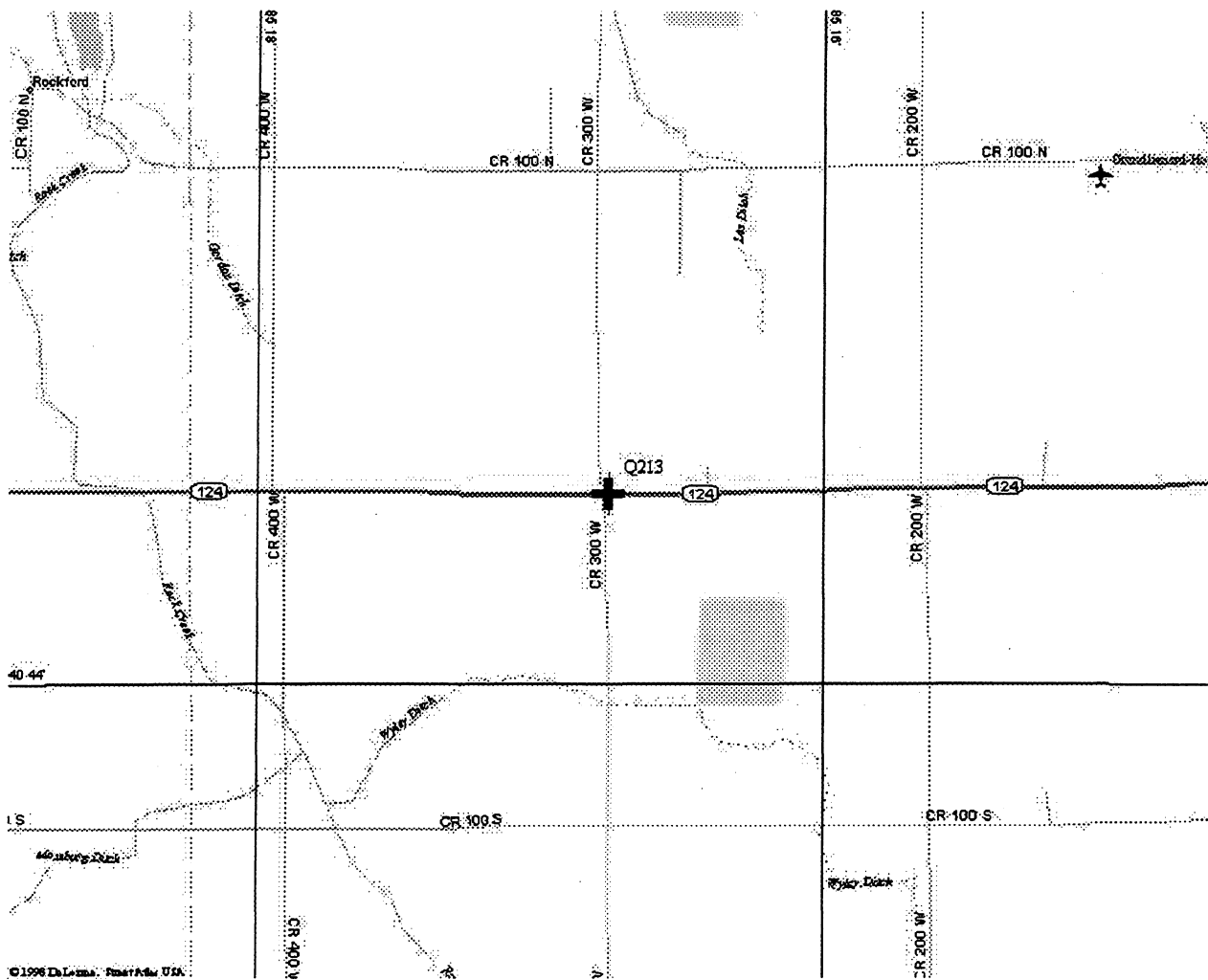
Description and Location Map

RECOVERY NOTE BY SCHNEIDER ENGINEERING CORPORATION 1997 (RGR) STATION IS ABOUT 5 KM (3.10 MI) NORTH OF RICHMOND, 6 KM (3.70 MI) SOUTHEAST OF FOUNTAIN CITY, AND 3 KM (1.85 MI) NORTHWEST OF MIDDLEBORO. OWNERSHIP--COUNTY ROAD SUPERVISOR. TO REACH THE STATION FROM THE INTERSECTION OF INTERSTATE HIGHWAY 70 AND STATE ROAD 27, FROM OFF-RAMP ON NORTH SIDE OF WEST BOUND I-70 AND STATE ROAD 27, TURN NORTH ON STATE ROAD 27 FOR 1.3 KILOMETERS (0.80 MI) TO ARBA PIKE, NORTH ON ARBA PIKE FOR 3.4 KILOMETERS (2.10 MI) TO INKE ROAD, TURN EAST ON INKE ROAD, 52.2 METERS (171.3 FT) EAST OF NEAREST UTILITY POLE TO WEST AND 27.3 METERS (89.6 FT) WEST OF NEAREST UTILITY POLE TO EAST. STATION IS SET ON SLOPING BANK, NORTH OF ROAD ABOUT 0.5 METER (1.6 FT) ABOVE GRADE OF ROAD.



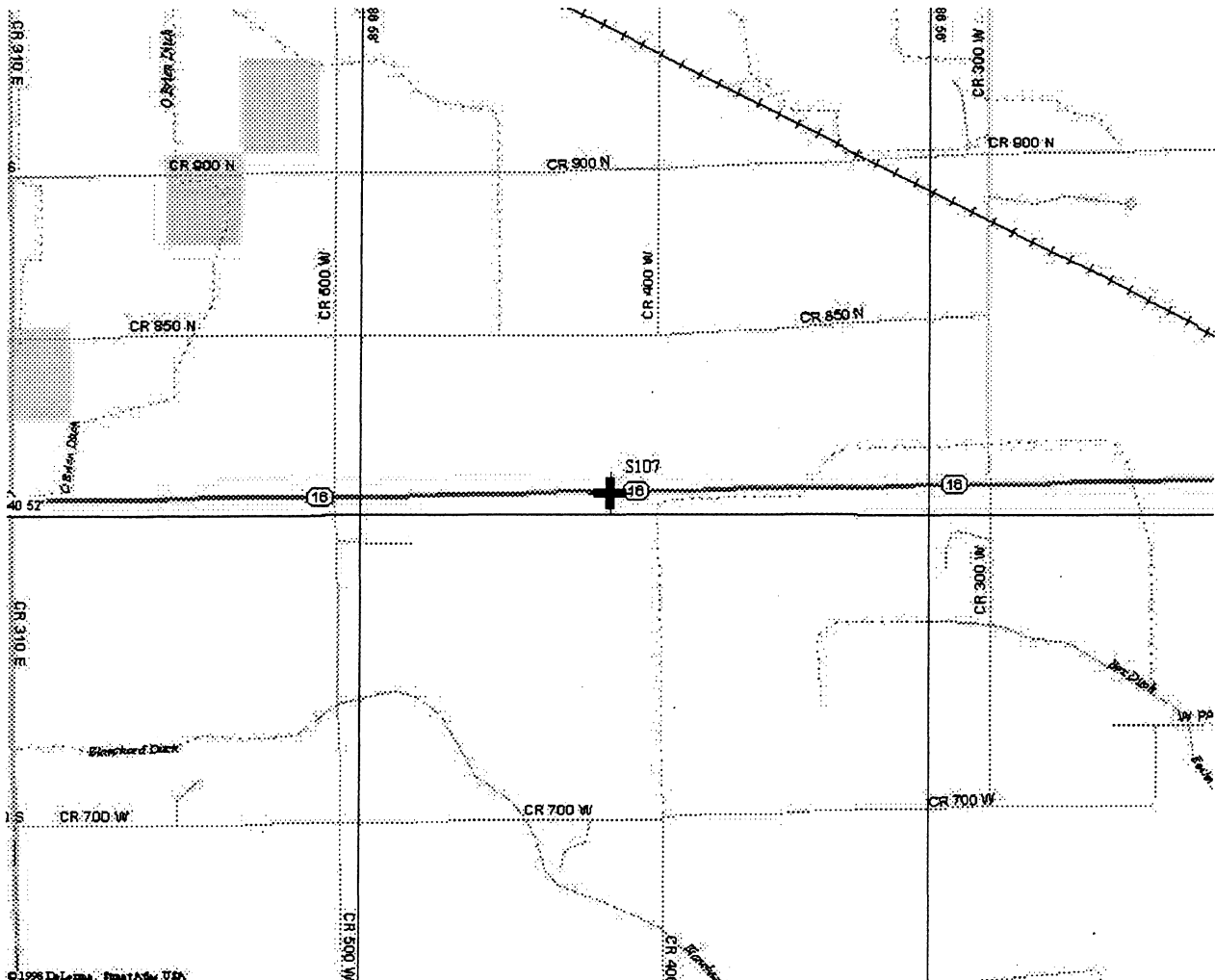
Description and Location Map

RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (GTF) DESCRIBED BY WOOLPERT LLP 1998 (GTF) . THE STATION IS 6 MI (9.7 KM) WEST OF BLUFFTON, 3 MI (4.8 KM) NORTH OF LIBERTY CENTER, ON PROPERTY OF MR. PLATT, HOUSE NUMBER 2958, STATE ROUTE 124. TO REACH THE STATION FROM THE INTERSECTION OF STATE ROUTE 3 AND STATE ROUTE 124, ONE MILE WEST OF PLUM TREE, PROCEED 5.0 MI (8.0 KM) ALONG STATE ROUTE 124 TO COUNTY ROAD 300 WEST, AND PROCEED APPROXIMATELY 100 FT (30.5 M) ALONG STATE ROUTE 124 TO THE STATION ON THE RIGHT. THE STATION IS LOCATED IN THE SOUTHEAST QUADRANT OF THE INTERSECTION OF STATE ROUTE 124 AND COUNTY ROAD 300 WEST. THE STATION IS A TRIANGULATION STATION DISK STAMPED--Q 213 1947-- SET IN A ROUND CONCRETE MONUMENT PROJECTING .15 M (0.49 FT) ABOVE THE GROUND. THE STATION IS 29.0 M (95.1 FT) EAST OF THE CENTERLINE OF COUNTY ROAD 300 WEST, 12.2 M (40.0 FT) SOUTH OF THE CENTERLINE OF STATE ROUTE 124, AND 12.6 M (41.3 FT) NORTHEAST OF A WHITE WELLS COUNTY WITNESS POST.



Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED ABOUT 6.15 KM (3.80 MI) WEST OF MONON, ALONG THE NORTH SIDE OF STATE HIGHWAY 16, SOUTH-SOUTHEAST OF A WINDMILL, JUST WEST OF A FIELD ENTRANCE AND GATE AND JUST SOUTH OF A RIGHT-OF-WAY FENCE AND WITNESS POST. OWNERSHIP--STATE OF INDIANA. TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 421 AND STATE HIGHWAY 16 NEAR THE CENTER OF MONON, GO WEST FOR 1.75 KM (1.10 MI) ON HIGHWAY 16 TO A RAILROAD CROSSING. CONTINUE WEST FOR 4.4 KM (2.75 MI) ON HIGHWAY 16 TO A FIELD ENTRANCE ON THE RIGHT AT A WINDMILL AND THE STATION, JUST WEST OF THE FIELD ENTRANCE. STATION IS 11.7 M (38.4 FT) NORTH OF THE HIGHWAY 16 CENTERLINE, 7.7 M (25.3 FT) EAST OF A CONCRETE STATE RIGHT-OF-WAY MARKER ABOUT 2-FOOT HIGH, 5.0 M (16.4 FT) WEST OF A FIELD ENTRANCE CENTER WITH GATE, 2.3 M (7.5 FT) WEST OF THE WEST GATE POST, 0.2 M (0.7 FT) EAST-SOUTHEAST OF A WITNESS POST, 0.1 M (0.3 FT) SOUTH OF A RIGHT-OF-WAY FENCE, ABOUT 0.2 M (0.7 FT) ABOVE THE HIGHWAY 16 LEVEL AND PROJECTING ABOUT 4 CM ABOVE GROUND.



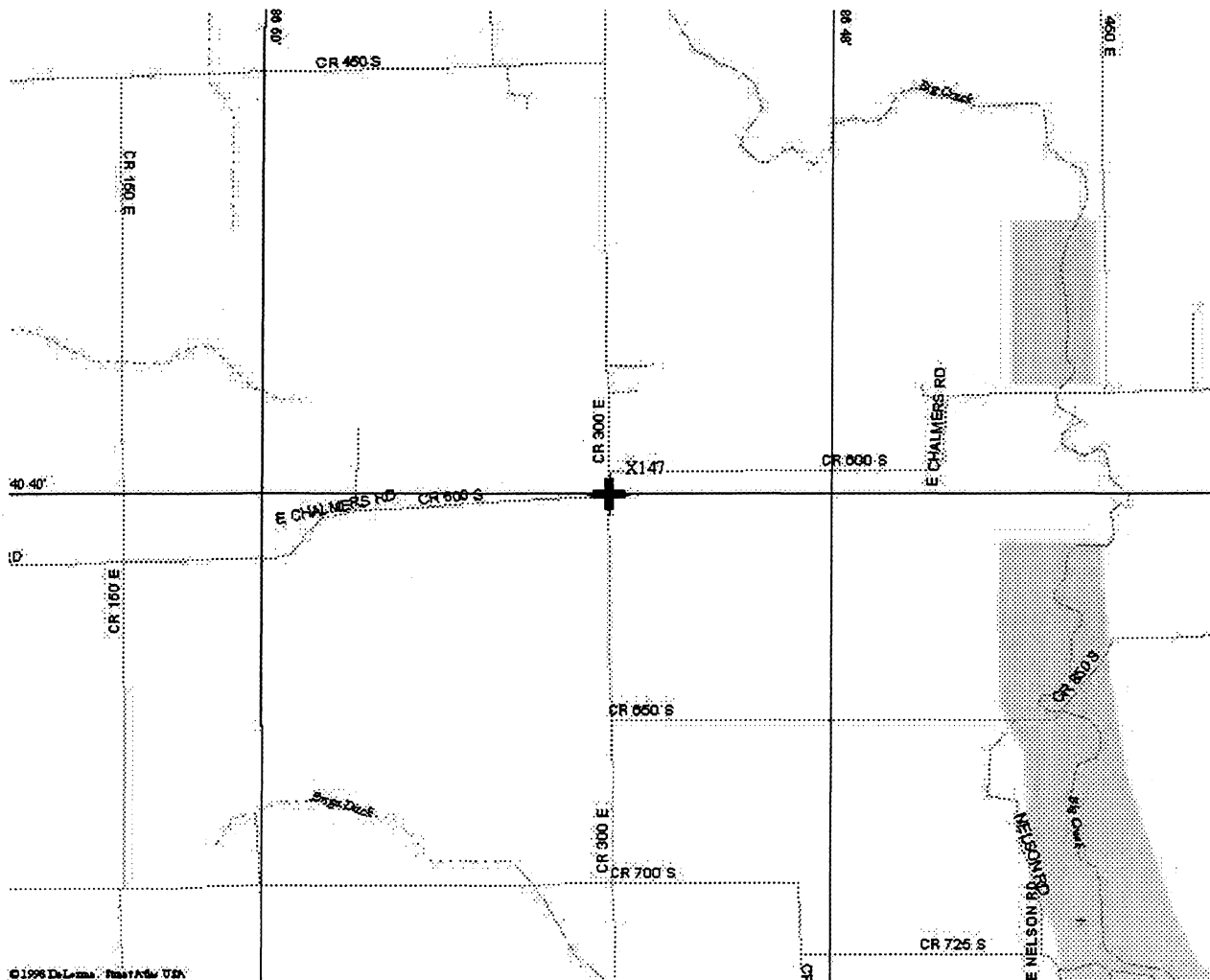
Designator X 147

4-Character ID X147

County WHITE

Description and Location Map

RECOVERY NOTE BY WOOLPERT CONSULTANTS 1998 (TEM) DESCRIBED BY WOOLPERT LLP 1998 (TEM). 9.0 MI (14.5 KM) SE OF MONTICELLO 3.0 MI (4.8 KM) EAST OF CHALMERS. TO REACH THE STATION FR FROM THE INTERSECTION OF INTERSTATE 65 AND STATE ROUTE 43 (EXIT 178 ON INTERSTATE 65), PROCEED 12.0 MI (19.3 KM) NORTH ALONG STATE ROUTE 43 TO THE INTERSECTION OF STATE ROUTE 43 AND WALNUT STREET IN THE TOWN OF CHALMERS, TURN RIGHT AND PROCEED 3.0 MILES (4.8 KM) EAST ALONG WALNUT STREET / CHALMERS ROAD TO THE INTERSECTION OF CHALMERS ROAD AND COUNTY ROAD 300E, THE STATION IS IN THE NORTHWEST QUADRANT OF THE INTERSECTION. THE STATION IS A STANDARD BENCHMARK DISK IN A ROUND CONCRETE MONUMENT, 0.84 M (2.76 FT) EAST OF A BURIED PHONE LINE MARKER, 6.5 M (21.3 FT) NORTH OF THE CENTERLINE OF CHALMERS ROAD, 12.4 M (40.7 FT) NORTH NORTHEAST OF A POWER POLE ACROSS CHALMERS ROAD.



Description and Location Map

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM) THE STATION IS LOCATED IN COLUMBIA CITY, IN THE NORTHWEST QUADRANT OF THE INTERSECTION OF VAN BUREN ST AND N. MCDONALD AV, JUST WEST-SOUTHWEST OF THE SOUTHEAST CORNER OF THE PARKING LOT AT THE FRATERNAL ORDER OF POLICE NO. 131 LITTLE TURTLE SCOUT LODGE BUILDING. OWNERSHIP--STATE OF INDIANA. TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 9 (MAIN ST.) AND 205 (VAN BUREN ST.) NEAR THE NORTHEAST CORNER OF THE COURTHOUSE SQUARE IN COLUMBIA CITY, GO WEST FOR 0.64 KM (0.40 MI) ON VAN BUREN STREET TO N. MCDONALD AVENUE ON THE RIGHT. TURN RIGHT, NORTH FOR ABOUT 30.0 M (98.4 FT) TO THE LODGE ENTRANCE AND PARKING LOT ON THE LEFT. TURN LEFT, MAKING A U-TURN, TO THE SOUTHEAST CORNER OF THE LOT AND THE STATION, JUST SOUTH OF THE SOUTH EDGE OF THE LOT. STATION IS 29.5 M (96.8 FT) SOUTH-SOUTHWEST OF THE SOUTHEAST CORNER OF THE LODGE, 17.0 M (55.8 FT) WEST OF THE N. MCDONALD AVENUE CENTER, 12.6 M (41.3 FT) WEST-NORTHWEST OF THE TOP CENTER OF A FIRE HYDRANT, 12.3 M (40.4 FT) NORTH OF THE VAN BUREN STREET CENTERLINE, 7.3 M (24.0 FT) WEST-SOUTHWEST OF A UTILITY POLE WITH TRANSFORMER, 4.9 M (16.1 FT) WEST OF THE WEST END OF A RAILROAD TIES WALL, 4.5 M (14.8 FT) NORTH-NORTHEAST OF A UTILITY POLE WITH STREET LIGHT AND WITNESS POST, 0.35 M (1.15 FT) SOUTH OF THE PARKING LOT RAILROAD TIE BORDER, ABOUT 5 FT (1.5 M) ABOVE THE VAN BUREN STREET LEVEL AND RECESSED ABOUT 3 CM BELOW GROUND. NOTE--TRIANGULATION STATION COLUMBIA IS NOW UNDER THE ASPHALT PARKING LOT.

