

LB0778

DESIGNATION - 133
PID - LB0778
STATE/COUNTY- IN/TIPPECANOE
USGS QUAD - ROMNEY (1980)

*CURRENT SURVEY CONTROL

* NAD 83(1997)- 40 21 34.16634(N) 086 58 16.41353(W) ADJUSTED
* NAVD 88 - 191.210 (meters) 627.33 (feet) ADJUSTED

LAPLACE CORR- -2.55 (seconds) DEFLEC99
GEOID HEIGHT- -33.52 (meters) GEOID03
DYNAMIC HT - 191.117 (meters) 627.02 (feet) COMP
MODELED GRAV- 980,132.6 (mgal) NAVD 88

HORZ ORDER - THIRD
VERT ORDER - SECOND CLASS 0

.The horizontal coordinates were established by classical geodetic methods

.and adjusted by the National Geodetic Survey in May 1999.

.The orthometric height was determined by differential leveling and adjusted in June 1991.

.The Laplace correction was computed from DEFLEC99 derived deflections.

.The geoid height was determined by GEOID03.

.The dynamic height is computed by dividing the NAVD 88 geopotential number by the normal gravity value computed on the Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45 degrees latitude ($g = 980.6199$ gals.).

.The modeled gravity was interpolated from observed gravity values.

; North East Units Scale Factor
Converg.
;SPC IN W - 567,439.494 909,522.571 MT 0.99996778 +0 04
21.4
;SPC IN W - 1,861,674.41 2,983,991.97 sFT 0.99996778 +0 04
21.4
;UTM 16 - 4,467,658.804 502,443.213 MT 0.99960007 +0 01
07.1

!
!SPC IN W - Elev Factor x Scale Factor = Combined Factor
!UTM 16 - 0.99997526 x 0.99996778 = 0.99994304
0.99997526 x 0.99960007 = 0.99957534

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PID	Reference Object	Distance	Geod. Az
			ddmmss.s
CC9052	133 RM 1	21.855 METERS	04322
132			2690124.8

SUPERSEDED SURVEY CONTROL

NAD 83(1986)-	40 21 34.17372(N)	086 58 16.42538(W)	AD()	3
NAD 27	- 40 21 34.03630(N)	086 58 16.37360(W)	AD()	3
NGVD 29 (??/??/92)	191.296 (m)	627.61 (f)	ADJ UNCH	2

.Superseded values are not recommended for survey control.
 .NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 .See file [dsdata.txt](#) to determine how the superseded data were derived.

_U.S. NATIONAL GRID SPATIAL ADDRESS: 16TEK0244367659(NAD 83)
 _MARKER: DD = SURVEY DISK
 _SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 _SP_SET: SET IN TOP OF CONCRETE MONUMENT
 _STAMPING: 133
 _STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 +STABILITY: SURFACE MOTION

HISTORY	- Date	Condition	Report By
HISTORY	- 1948	MONUMENTED	INGS
HISTORY	- 1946	GOOD	NGS
HISTORY	- 1966	GOOD	CGS
HISTORY	- 1966	GOOD	NGS

STATION DESCRIPTION

DESCRIBED BY INDIANA GEODETIC SURVEY 1948 (RCB)
 STATION IS LOCATED ABOUT 5 MILES SOUTHWEST OF LAFAYETTE ON THE SOUTH SIDE OF STATE HIGHWAY NO. 25. IT IS 65 FEET SOUTH OF THE CENTER OF HIGHWAY, 34 FEET SOUTHWEST OF A TELEPHONE POLE, 33 FEET SOUTH OF A FENCELINE AND 2 FEET SOUTH OF A WHITE WITNESS POST. THE MARK IS A 4X4 INCH CONCRETE POST SET FLUSH WITH THE GROUND WITH A STANDARD USC AND GS AND SS BM DISK STAMPED NO 133.

REFERENCE MARK NO. 1 IS 71.70 FEET NORTHEAST OF THE STATION. IT IS 23 FEET SOUTH OF THE CENTER OF HIGHWAY, 21 FEET EAST OF A TELEPHONE POLE AND 1 FOOT SOUTH OF A FENCELINE. THE MARK PROJECTS 4 INCHES AND THE DISK IS STAMPED NO 133 NO 1 1948.

REFERENCE MARK NO. 2 IS 70.15 FEET SOUTHWEST OF THE STATION. IT IS 57 FEET SOUTH OF THE CENTER OF HIGHWAY, 24 FEET SOUTH OF A TELEPHONE POLE AND 3 FEET NORTHEAST OF A FENCE CORNER. THE MARK PROJECTS 4 INCHES AND THE DISK IS STAMPED NO 133 NO 2 1948.

NO 132 WAS USED AS THE AZIMUTH MARK AND IS 0.7 MILE WEST OF THE STATION. IT IS 52 FEET NORTHWEST OF THE NORTHWEST CORNER OF A HOUSE, 50 FEET NORTHWEST OF A TELEPHONE POLE, 33 FEET SOUTH OF THE CENTER OF STATE HIGHWAY NO. 25, 3 FEET NORTH OF A FENCELINE AND 2 FEET WEST OF A WHITE WITNESS POST. THE MARK IS A 4X4 INCH CONCRETE POST FLUSH WITH THE GROUND WITH A STANDARD USC AND GS AND SS BM DISK STAMPED NO 132.

TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS NO. 25 AND NO. 43 WHICH IS 2 MILES SOUTHWEST OF LAFAYETTE GO SOUTHWEST ON STATE HIGHWAY NO. 25 FOR 4.2 MILES TO THE STATION ON THE LEFT AS DESCRIBED, CONTINUE FOR 0.7 MILE TO STATION NO. 132, ON THE LEFT, WHICH WAS USED AS THE AZIMUTH MARK.

HEIGHT OF LIGHT ABOVE STATION MARK 26 METERS.

STATION RECOVERY (1946)

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1946
1.6 MI SW FROM SHADELAND.

ABOUT 1.55 MILES SOUTHWEST ALONG STATE HIGHWAY 25 FROM THE PLAINS GRANGE BUILDING AT SHADELAND, IN THE CENTER OF A CURVE IN THE HIGHWAY WITH TANGENTS EXTENDING NORTHEAST AND WEST, 120 FEET SOUTHEAST AND ACROSS THE ROAD FROM THE SOUTHEAST CORNER OF A TWO STORY WHITE HOUSE, 108 FEET EAST OF THE SOUTHEAST END OF AN 18 INCH CONCRETE CULVERT, 65 FEET SOUTHEAST OF THE CENTERLINE OF THE HIGHWAY, 16 FEET NORTHWEST OF A 12 INCH ASH TREE, 2 FEET SOUTHEAST OF A WHITE WOODEN WITNESS POST, AND ABOUT 3 FEET ABOVE THE HIGHWAY. A STATE SURVEY STANDARD DISK, STAMPED 133 AND SET IN THE TOP OF A CONCRETE POST FLUSH WITH THE GROUND.

STATION RECOVERY (1966)

RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1966 (WHB)
133 RECOVERED IN GOOD CONDITION. (IND. GEOD. S).
NO 133 NO. 1 1948 RECOVERED IN GOOD CONDITION. (USC AND GS).
NO 133 NO. 2 1948 RECOVERED IN GOOD CONDITION. (USC AND GS).
AZ MK 132 (I. G. S.) RECOVERED IN GOOD CONDITION.

IN STA DESCRIPTION, DELETE REFERENCE TO WITNESS POST.
IN R. M. NO. 1 PORTION, DELETE REFERENCE TO FENCE LINE.
DESCRIPTION OTHERWISE CORRECT.

STATION RECOVERY (1966)

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1966
RECOVERED IN GOOD CONDITION.
1 National Geodetic Survey, Retrieval Date = DECEMBER 21,
2007

N-29

PBM 133

(Ind. Deod. S.) S Sec. 10-22-5, 1.6 miles southwest along State Highway 25 from the Plains Grange building at Shadeland, at the middle of a curve in the highway with tangents extending northeast and west, 120 feet southeast across the highway from the southeast corner of a ~~white~~ Blue-Grey two-story house, 108 feet east of the southeast end of an 3636 18 inch concrete culvert, 65 feet southeast of the center- 25 W line of the highway, 16 feet northwest of a 12 inch ash tree, 2 feet southeast of a white wooden witness post, and about 3 feet higher than the highway. A State Survey standard disk, stamped "133" and set in the top of a concrete post flush with the ground. Elev. 627.610 feet. Attica Area, page 7, line 6. formerly mis-gridded as "0-29"

RECOVERED 8/87

" OCT. 4, 1994 IN GOOD CONDITION

" 7/11/07 In Good Condition (MWE) SIGN / POST SET 3' SOUTH