

# LB2594

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DESIGNATION - BAUGH  
 PID - LB2594  
 STATE/COUNTY- IN/TIPPECANOE  
 USGS QUAD - ROMNEY (1980)

\*CURRENT SURVEY CONTROL

* NAD 83(1997)-	40 18 56.60363(N)	086 56 29.93625(W)	ADJUSTED
* NAVD 88	- 225.03 (+/-2cm)	738.3 (feet)	VERTCON
LAPLACE CORR-	-2.56 (seconds)		DEFLEC99
GEOID HEIGHT-	-33.51 (meters)		GEOID03
HORZ ORDER	- FIRST		
VERT ORDER	- THIRD ? (See Below)		

.The horizontal coordinates were established by classical geodetic methods

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

.The NAVD 88 height was computed by applying the VERTCON shift value to

.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

.The vertical order pertains to the NGVD 29 superseded value.

.The Laplace correction was computed from DEFLEC99 derived deflections.

.The geoid height was determined by GEOID03.

	North	East	Units	Scale Factor	
Converg.					
;SPC IN W	- 562,583.273	912,042.669	MT	0.99996845	+0 05
30.0					
;SPC IN W	- 1,845,741.95	2,992,259.99	sFT	0.99996845	+0 05
30.0					
;UTM 16	- 4,462,802.001	504,957.812	MT	0.99960030	+0 02
15.9					

!	- Elev Factor	x	Scale Factor	=	Combined Factor
!SPC IN W	- 0.99996996	x	0.99996845	=	0.99993841
!UTM 16	- 0.99996996	x	0.99960030	=	0.99957027

	Primary Azimuth Mark	Grid Az
:SPC IN W	- PURDUE UNIV HEATING PLT STK	010 52 53.1
:UTM 16	- PURDUE UNIV HEATING PLT STK	010 56 07.2

PID	Reference Object	Distance	Geod. Az
			dddmmss.s

LB2600 PURDUE UNIV HEATING PLT STK	APPROX.12.6 KM 0105823.1
LB2606 LAFAYETTE GAS PLANT STACK	APPROX.12.6 KM 0184410.1
LB2610 LAFAYETTE CO CTHSE STATUE	APPROX.12.1 KM 0193630.2
LB2614 LAFAYETTE ST MARYS CATH SPIRE	APPROX.12.4 KM 0232050.2
LB2586 LAFAYETTE TV STA WLFI MAST	APPROX.12.3 KM 0391412.2
CC7787 BAUGH AZ MK	0534437.1
LB2597 LAFAYETTE RAD STA WBAA MAST	APPROX. 5.7 KM 0595733.6
CC7790 BAUGH RM 3	22.357 METERS 06652
CC7788 BAUGH RM 1	77.925 METERS 08658
LB2211 ODELL VORTAC ABANDONED	APPROX.10.6 KM 2510114.5
CC7789 BAUGH RM 2	60.741 METERS 30715

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SUPERSEDED SURVEY CONTROL

NAD 83(1986)-	40 18 56.61090(N)	086 56 29.94820(W)	AD( )	1
NAD 27	- 40 18 56.48750(N)	086 56 29.91210(W)	AD( )	1
NGVD 29 (07/19/86)	225.11 (m)	738.5 (f)	LEVELING	3

.Superseded values are not recommended for survey control.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 .[See file dsdata.txt](#) to determine how the superseded data were derived.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: 16TEK0495862802(NAD 83)  
 \_MARKER: DS = TRIANGULATION STATION DISK  
 \_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT  
 \_SP\_SET: TOP OF SQUARE CONCRETE MONUMENT  
 \_STAMPING: BAUGH 1934  
 \_PROJECTION: FLUSH  
 \_MAGNETIC: N = NO MAGNETIC MATERIAL  
 \_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY

HISTORY	- Date	Condition	Report By
HISTORY	- 1934	MONUMENTED	CGS
HISTORY	- 1942	GOOD	CGS
HISTORY	- 1948	GOOD	CGS
HISTORY	- 1966	GOOD	CGS
HISTORY	- 1970	GOOD	NGS
HISTORY	- 19970101	GOOD	INDNR

STATION DESCRIPTION

DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (GLA)  
 1.5 MILES WEST AND 1 MILE NORTH (BY ROAD) FROM SOUTH RAUB, IN A

BARN LOT OWNED BY L. W. BAUGH, IN THE BOARD FENCE RUNNING NORTH FROM THE NORTHEAST CORNER OF THE BARN TO THE ROAD, 25 FEET NORTH OF THE NORTHEAST CORNER OF THE BARN, 28.5 FEET SOUTH OF THE SOUTH RIGHT-OF-WAY FENCE OF THE ROAD, AND IS FLUSH WITH THE GROUND.

SURFACE, UNDERGROUND, REFERENCE AND AZIMUTH MARKS ARE STANDARD BRONZE DISKS SET IN CONCRETE AS DESCRIBED.

REFERENCE MARK NO. 1 IS EAST OF THE STATION, IN THE NORTH-SOUTH FENCE AT THE SOUTH END OF A GATE, 12 FEET SOUTH OF THE SOUTH RIGHT-OF-WAY FENCE, 427.40 FEET EAST-SOUTHEAST OF REFERENCE MARK NO 2, AND IS FLUSH WITH THE GROUND. REFERENCE MARK NO. 2 IS NORTHWEST OF THE STATION, IN A NORTH-SOUTH FENCE BETWEEN A GARDEN TO THE WEST AND A FIELD TO THE EAST, 70 FEET NORTH OF THE CENTER LINE OF THE ROAD, AND PROJECTS 3 INCHES.

AZIMUTH MARK IS NORTHEAST OF THE STATION, IN THE WEST RIGHT-OF-WAY FENCE OF A GRAVEL ROAD, 15 FEET SOUTH OF AN OLD STUMP WITH LIVE SHOOTS, 0.3 MILE NORTH OF A T-INTERSECTION, AND PROJECTS 4 INCHES.

A LA PLACE AZIMUTH IS TO BE OBSERVED FROM THIS STATION WITH NO 424 (TRAVERSE STATION) DESCRIBED ELSEWHERE AS INITIAL.

A 77 FOOT TOWER WILL CLEAR ALL LINES EXCEPT THOSE TO STATIONS GRAY AND MELLOTT WHICH REQUIRE 116-FOOT TOWERS ON EACH END.

STATION RECOVERY (1942)

RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1942 (CMS)  
RECOVERED AS DESCRIBED.

STATION RECOVERY (1948)

RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1948 (RCB)  
STATION WAS RECOVERED AS DESCRIBED AND ALL MARKS WERE FOUND IN GOOD CONDITION. THE OLD DESCRIPTION IS ADEQUATE.

HEIGHT OF LIGHT ABOVE STATION MARK 30 METERS.

STATION RECOVERY (1966)

RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1966 (WHB)  
BAUGH 1934 RECOVERED IN GOOD CONDITION.  
NO. 1 1934 NOT RECOVERED.  
NO. 2 1934 RECOVERED IN GOOD CONDITION.  
AZ MK BAUGH 1934 POST BADLY CHIPPED. OTHERWISE GOOD.

REF. MK NO. 1 NOT RECOVERED AFTER DIMENSION CHECKS. FENCE, MENTIONED IN DESCRIPTION, NO LONGER EXISTS. ENTIRE AREA OF ORIGINAL SITE OF R. M. NO. 1 NOW CULTIVATED.

OTHER MARKS FOUND AS DESCRIBED.

STATION RECOVERY (1970)

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1970 (JLC)  
THE STATION MARK, REFERENCE MARK 2 AND THE AZIMUTH MARK WERE

RECOVERED IN GOOD CONDITION. REFERENCE MARK 1 WAS SEARCHED FOR BUT NOT RECOVERED. A DIFFERENCE WAS NOTED IN THE DISTANCE TO REFERENCE MARK 2. REFERENCE MARK 3 WAS ESTABLISHED AT THIS TIME. A NEW AND COMPLETE DESCRIPTION FOLLOWS.

THE STATION IS LOCATED ABOUT 8 MILES SOUTH-SOUTHWEST OF LAFAYETTE, 4 MILES NORTHWEST OF ROMNEY AND 2 MILES WEST-NORTHWEST OF SOUTH RAUB. THE PROPERTY IS NOW OWNED BY THE LAFAYETTE LOAN AND TRUST COMPANY.

TO REACH THE STATION FROM THE JUNCTION OF U. S. HIGHWAY 231 AND STATE HIGHWAY 28, IN THE NORTH EDGE OF ROMNEY, GO NORTH ON U. S. HIGHWAY 231 FOR 3.05 MILES TO A CROSSROAD, TURN LEFT AND GO WEST ON 800 S ROAD FOR 1.6 MILES TO A SIDE ROAD RIGHT, CEMETERY ON LEFT, TURN RIGHT AND GO NORTH ON 150 W ROAD FOR 1.05 MILES TO A SIDE ROAD LEFT, (TO REACH THE AZIMUTH MARK FROM THIS POINT, CONTINUE NORTH ON 150 W ROAD FOR 0.35 MILE TO THE MARK ON THE LEFT), TURN LEFT AND GO WEST ON A GRAVELED ROAD FOR 0.45 MILE TO A BARN AND THE STATION ON THE LEFT.

THE STATION MARK IS A STANDARD DISK STAMPED BAUGH 1934, SET IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE MONUMENT WHICH PROJECTS 1-INCH. IT IS 189 FEET EAST OF A FARM HOUSE, 35 FEET SOUTHEAST OF A TRIANGULAR BLAZED TREE, 25.4 FEET NORTH OF THE NORTHEAST CORNER OF A BARN, 49 FEET SOUTH OF THE CENTER OF A GRAVELED ROAD AND 2 FEET WEST OF A NORTH-SOUTH WIRE FENCE.

REFERENCE MARK 2 IS A STANDARD DISK STAMPED BAUGH NO II 1934, SET IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE MONUMENT WHICH PROJECTS 3 INCHES. IT IS 74 FEET NORTH OF THE CENTER OF THE GRAVELED ROAD, 63 FEET NORTH-NORTHWEST OF A POWERLINE POLE AND 0.5 FOOT EAST OF A NORTH-SOUTH WIRE FENCE.

REFERENCE MARK 3 IS A STANDARD DISK STAMPED BAUGH 1934 NO 3 1970, SET IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE MONUMENT WHICH IS FLUSH WITH THE GROUND. IT IS 22 FEET SOUTH OF THE CENTER OF THE GRAVELED ROAD, 4 FEET WEST OF A 16-INCH TREE AND 1.0 FEET NORTH OF AN EAST-WEST WIRE FENCE.

THE AZIMUTH MARK IS A STANDARD DISK STAMPED BAUGH 1934 AZIMUTH, SET IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE MONUMENT WHICH PROJECTS 5 INCHES. IT IS 33.6 FEET NORTH OF A POWERLINE POLE, 25 FEET WEST OF THE CENTER OF ROAD AND 3 FEET EAST OF A METAL WITNESS POST AND WIRE FENCE.

AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN--2 MILES WEST-NORTHWEST OF SOUTH RAUB.

HEIGHT OF LIGHT ABOVE STATION MARK 99.3 FEET.

STATION RECOVERY (1997)

RECOVERY NOTE BY IN DEPT OF NAT RES 1997 (LC)  
RECOVERED AS GOOD.

1 National Geodetic Survey, Retrieval Date = DECEMBER 21,  
2007

Q-35

South Raub, 1 mile west of, along roads, thence 1.0 mile north, thence 0.5 mile west near northwest corner of section 36 Township 22 North Range 5 West, 28 feet south of fence 25 feet north of northeast corner of barn, in concrete post, USC&GS standard triangulation station disk stamped "BAUGH 1934"

Elevation 738.533

Geological Survey third-order

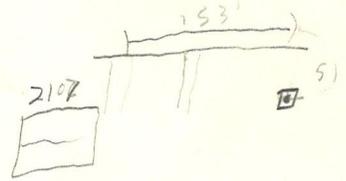
Recovered 6-80

RECOVERED 8/87

" OCT. 3, 1994 IN GOOD CONDITION

" 7/9/07

51' South of C<sub>L</sub> of 7005<sub>So</sub>  
153' East of C<sub>L</sub> of Drive  
way 2107 House  
on 7005



Q-35

South Raub, 1.0 miles west of, along roads, thence 1.0 mile north, thence 0.5 miles west near northwest corner Section 36 Township 22 North Range 5 West, 199 feet northwest of station, 70 feet north of centerline of road 1 foot east of fence in concrete post, USC&GS standard reference mark disk stamped "Baugh No 2 1934"

Elevation 738.935

RECOVERED 8/87

" OCT. 3, 1994 IN GOOD CONDITION (F/L REMOVED)

" 7/9/07 Fair Condition (MWF)

70' North of Section Corn

R-34

South Raub, 1.0 mile west of along roads, thence 1.3 miles north in section 25, T 22 North, R 5 West, 0.3 miles north of junction of T-road West in West right of way fence line of road, Approx 0.1 mile north of lane to the east, near survey sign.  
in concrete post USC&GS standard azimuth mark disk stamped "BAUGH 1934"

NGS Second-order

Elevation 724.146

Recovered 8/80

RECOVERED 8/87

" Oct. 3, 1994 IN FAIR CONDITION

" 7/11/07 In Fair Condition