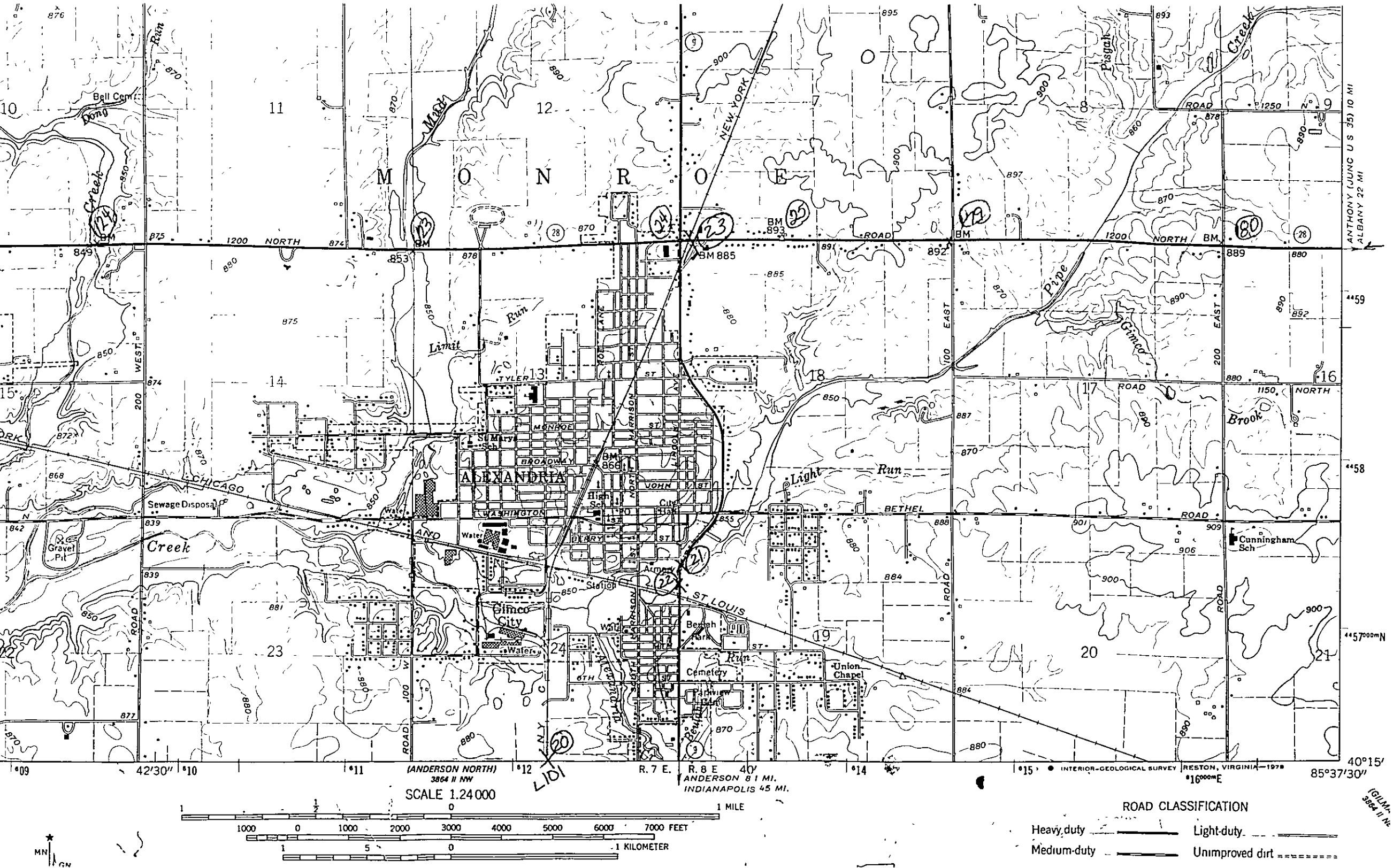




Alexandria

879.168<sup>20</sup>

Designation T 193

State Indiana

County Madison

Nearest town Alexandria

County Madison

Distance and direction from nearest town About 1.2 miles south

Character of mark A bronze disk

Stamping T 193 1946

Established by U.S.C. & G.S.

Detailed description About 1.2 miles south along the New York Central Railroad  
416 ft from the Station at Alexandria, at an east-west gravel road crossing, about  
1 pole north of pole 154/35, 39 feet east of the east rail of the main track,  
24 feet north of the center line of the gravel road, 8 feet north of a con-  
crete fence corner post, 1 foot west of the fence line, about 1.5 feet below  
the track, and set in the top of a concrete post projecting 5 inches.

879.168

Alexandria

21  
857.833

In Madison County, at Alexandria, at the southeast edge of town, at the Lincoln Avenue steel truss bridge (west or downstream of the State Road 9 concrete arch bridge) over Pipe Creek, set in top at the west end of the southwest concrete guardrail of the State Road 9 bridge over Pipe Creek, 27 feet west of the center line of S. R. 9, 15 feet east of the center line of the road, 1.0 foot above the roadway, level with S. R. 9, in the top of the base on the south edge, a chiseled triangle.

85

Alexandria

22  
856.617

In Madison County, at Alexandria, at the southeast edge of town, at the State Road 9 concrete arch bridge over Pipe Creek, set in the top of the southeast wingwall, 19 feet east of the center line of S. R. 9, 0.7 foot north of the south end of the bridge, level with the center line of S. R. 9, a standard Indiana Flood Control and Water Resources Commission bronze bench mark tablet, stamped "MAD 1 1954".

Alexandria

23  
884.490

Designation H 185

State Indiana

County Madison

Nearest town Alexandria

County Madison

Distance and direction from nearest town At Alexandria

Character of mark A bronze disk

Stamping H 185 1946

Established by U.S.C. & G.S.

Detailed description At Alexandria, about 0.9 mile northeast along the New York Central Railroad from the Station, at the crossing of State Highway 28, and in the southeast quarter of the intersection of State Highways 9 and 28, 2 poles south of pole 152/25, 194 feet east of the center line of State Highway 9, 34 feet east of the east rail, 38 feet south of the center line of highway 28, 9 feet south-southwest of an 8 inch concrete fence corner post, 2.5 feet west of the fence line, about level with the crossing, and set in the top of a concrete post projecting 6 inches.

884.490

DECEMBER 1971

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## VERTICAL CONTROL DATA

by the  
NATIONAL GEODETIC SURVEY  
SEA LEVEL DATUM OF 1929

QUAD 390854 PAGE NO. 13  
INDIANA  
LATITUDE 39°30' TO 40°00'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM CINCINNATI NJ 16-3

LINE 105

## REPORT ON CONDITION OF BENCH MARK

R

1079A115  
(19)  
Designation O 4 State Indiana County Madison  
Nearest town Pendleton County Madison Date June 1947  
Distance and direction from nearest town About 2.1 miles southwest  
Character of mark A bronze disk Stamping O 4 ELEV 868.437 FT.  
Established by U.S.C. & G.S.  
Present condition Good  
Detailed Report About 2.1 miles southwest along the New York Central Railroad from the Station at Pendleton, set in the top of the north concrete coping of the north wing wall of a masonry stone and concrete culvert No. 425, between poles No. 257/31 & 257/32, 23.5 feet northwest of the northwest rail of the main track, 57 feet northeast of a siding switch stand and about 2.5 feet below the track.

## DESCRIPTION OF BENCH MARK

204  
Designation W 234 State Indiana County Madison  
Nearest town Pendleton County Madison Date June 1947  
Distance and direction from nearest town About 0.1 mile southwest  
Character of mark A bronze disk Stamping W 234 1947  
Established by U.S.C. & G.S.  
Detailed description About 0.1 mile southwest along the New York Central Railroad from the Station at Pendleton, set in the top of the north wing wall of the railroad overpass bridge over State Highway 38, across tracks from pole No. 255/33, 10 feet northwest of and about 3 feet below the track.

## DESCRIPTION OF BENCH MARK

1079A115  
(242)  
Designation Y 234 State Indiana County Madison  
Nearest town Pendleton County Madison Date June 1947  
Distance and direction from nearest town About 1.5 miles southwest  
Character of mark A bronze disk Stamping Y 234 1947  
Established by U.S.C. & G.S.  
Detailed description About 1.5 miles southwest along the New York Central Railroad from the Station at Pendleton, about 0.1 mile northeast along State Highway 67 from its junction with State Highway 9 leading south, 64 feet southeast and across the track from mile post 257, 23.5 feet northwest of the northwest edge of State Highway 67, 7.5 feet northeast of pole No. 256/53, 35 feet southeast of the southeast rail of the track, 2 feet southwest of a white wooden witness post, about 1 foot above the track and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

1079A115  
(243)  
Designation X 234 State Indiana County Madison  
Nearest town Pendleton County Madison Date June 1947  
Distance and direction from nearest town About 0.5 mile southwest  
Character of mark A bronze disk Stamping X 234 1947  
Established by U.S.C. & G.S.  
Detailed description About 0.5 mile southwest along the New York Central Railroad from the Station at Pendleton, 58 feet southeast and across the track from Mile post 256, 26 feet southeast of the southeast rail of the track, 8 feet northeast of pole No. 255/53, 29.5 feet northwest of the northwest edge of the pavement of State Highways 67 & 9, 2 feet southwest of a white wooden witness post, about 6 feet below the track and set in the top of a concrete post projecting 6 inches.

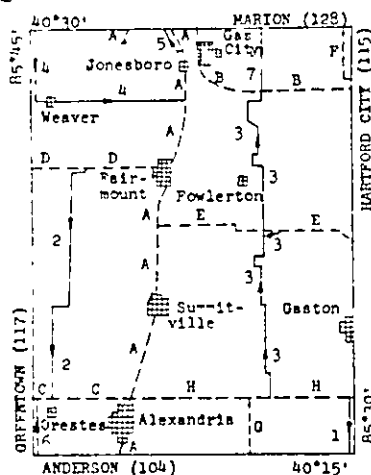
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Publication Copy

THIRD-ORDER LEVELING  
Sea Level Datum of 1929

FAIRMOUNT QUADRANGLE  
INDIANA 116  
N4C16-W4E1

Delaware, Grant, and  
Madison Counties  
Edition of 5/15/70



USC&GS Leveling Lines

- A 400557 (Line 101), First-order
- B 400552 (Line 104), Second-order
- C 400253 (Line 105), Second-order
- D 400853 (Line 109), Second-order
- E 400553 (Line 110), Second-order
- F 400853 (Line 112), Second-order
- G 400553 (Line 113), Second-order
- I 400553 (Line 117), Second-order

INDEX OF PERMANENT MARKS

| MARK (USGS)     | PAGE NO. | MARK (USGS) | PAGE NO. |
|-----------------|----------|-------------|----------|
| 24 EOM 1958 B81 | 1        | B 37 1934   | 2,2      |
| 27 EOM 1958 B82 | 1        | P 185 1946  | 2        |
| 36 EOM 1958 B83 | 1        | S 185 1946  | 2        |
| 37 EOM 1958 B84 | 1        | Y 185 1946  | 1        |
| 38 EOM 1958 B85 | 1        | Z 185 1946  | 2        |
| 39 EOM 1958 B86 | 2        | K 204 1946  | 1        |
| 40 EOM 1958 B87 | 2        | E 217 1947  | 2        |
| 41 EOM 1958 B88 | 2        | Z 217 1947  | 1        |
| 42 EOM 1958 B89 | 2        | C 216 1947  | 1        |
| 43 EOM 1958 B90 | 2        |             |          |
| 44 EOM 1958 B91 | 2        |             |          |
| 45 EOM 1958 B92 | 2        |             |          |
| 46 EOM 1958 B93 | 2        |             |          |
| 47 EOM 1958 B94 | 2        |             |          |

ISMC

NOT STAMPED

2

LINE 1.

FROM POINT 2.5 MILES SOUTH OF GASTON ALONG ROADS SOUTH  
N.E.P. SOUTHEAST CORNER OF QUADRANGLE INTO ANDERSON  
QUADRANGLE (By R. H. Paine, 1951, Book AV 262 a)

C 216 1947 (USC&GS)

905.628

U.E., Gaston, 3.0 mi S. of, along 600 West Road; in  
S.E. corner of wooden floor of steel bridge over  
Little Creek, copper nail and washer

891.25

LINE 2.

FROM POINT 2.5 MILES WEST OF FAIRMOUNT ALONG ROADS SOUTH  
TO POINT 0.5 MILE NORTH OF ORESTES (By E. O. Miner,  
Book AV 630 a)

C 214 (USC&GS) (Reported destroyed, 1959)

875.376

U.E., Fairmount, 3.5 mi W. of crossing of New York  
Central Railroad, along State Highway 25, thence  
1.5 mi S. along 200 West Road, 45 ft NE. of center-  
line of crossroads, on concrete fencepost, chiseled  
square

Feet

884.59

Fairmount, 3.5 mi W. of crossing of N.Y.C. RR. along  
State Highway 26, thence 2.0 mi S. along 200 West  
Road; in SW. cor. sec. 35, T. 23 N., R. 7 E.,  
160 ft N. of centerline of rd. at junction of T-rd.  
N.; in E. headwall of concrete culvert, standard  
tablet stamped '34 EOM 1958 881'

891.063

U.E., Fairmount, 3.5 mi W. of crossing of N.Y.C. RR.,  
along State Highway 26, thence 1.0 mi S. along  
200 West Road; 25 ft SW. of centerline of cross-  
roads; on concrete headwall of culvert; chiseled  
square

881.85

U.E., Fairmount, 3.5 mi W. of crossing of N.Y.C. RR.,  
along State Highway 26, thence 3.5 mi S. along  
200 West Road, 30 ft NW. of centerline of cross-  
roads, on concrete headwall of culvert, chiseled  
square

885.83

Fairmount, 3.5 mi W. of crossing of N.Y.C. RR.,  
along State Highway 26, thence 4.1 mi S. along 200  
West Road; 1.8 mi N. of Summittown, thence 3.2 mi  
W.; near NW. cor. sec. 14, T. 22 N., R. 7 E.; 350  
ft S. of centerline of rd. at junction of T-rd. E.,  
in SE. wingwall of concrete bridge over Coahran  
Ditch; standard tablet stamped '35 EOM 1958 885'

885.291

U.E., Summittown, 0.5 mi W. of crossing of N.Y.C. RR.,  
along rds., thence 0.2 mi N., thence 2.9 mi  
W. along 1650 North Road, 25 ft NW. of center-  
line of crossroads, on concrete headwall of  
culvert, chiseled square

897.24

Summittown, 0.5 mi W. of crossing of N.Y.C. RR.,  
along rds., thence 0.2 mi N., thence 3.7 mi  
along 1650 North Road, near W. 1/4 cor. sec. 22,  
T. 22 N., R. 7 E., at NW. corner of bridge over  
Hasty Ditch; 7 ft lower than centerline of rd.,  
in concrete footing of bridge, standard tablet  
stamped '36 EOM 1958 884'

883.612

U.E., Summittown, 0.9 mi SW. of, along 100 East  
Road, thence 4.0 mi W. along 1550 North Road, 35 ft  
SW. of centerline of crossroads, on S. headwall of  
concrete culvert; chiseled square

887.9

Summittown, 2.2 mi S. of, along 100 East Road, thence  
4.0 mi W. along 1400 North Road, 2.5 mi W. of Orestes,  
along 300 West Road, in SW. cor. sec. 34, T. 22 N.,  
R. 7 E., at offset crossroads, 100 ft W. of center-  
line of rd. at junction of T-rd. S., 17 ft N. of  
centerline of rd.; in concrete post, standard  
tablet stamped '37 EOM 1958 875'

874.59

U.E., Orestes, 0.9 mi N. of, along 300 West Road, on  
E. concrete headwall of culvert, chiseled square

867.17

"Y 185 1946" (USC&GS)

872.421

LINE 3.

FROM POINT 2.5 MILES SOUTH AND 2.8 MILES WEST OF GASTON  
ALONG ROADS GENERALLY NORTH TO POINT 3.3 MILES WEST OF  
UPLAND (By E. O. Miner, 1953, Book AV 630 a)

"Z 217 1947" (USC&GS)

897.044

U.E., Gaston, 2.5 mi S. of, along 600 West Road,  
thence 2.8 mi W. along State Highway 25, thence  
0.4 mi N., on W. headwall of concrete culvert,  
chiseled square

896.5

U.E., Gaston, 1.5 mi S. of, along 600 West Road,  
thence 2.8 mi W. along 700 North Road, 20 ft SE.  
of centerline of rd. at junction of T-rd. S., on  
concrete headwall of culvert, chiseled square

899.5

Gaston, 3.0 mi W. of, along 850 North Road, thence  
0.5 mi S. along 900 West Road, near NE. cor. sec.  
1, T. 21 N., R. 8 E., 340 ft S. of centerline of  
crossroads, 17 ft W. of centerline of rd., in  
concrete fencepost, standard tablet stamped  
'38 EOM 1958 895'

895.70

U.E., Gaston, 3.0 mi W. of, along 850 North Road,  
thence 1.0 mi N. along 900 West Road, 30 ft SW.  
of centerline of rd. at junction of T-rd. S., on  
concrete headwall of culvert, chiseled square

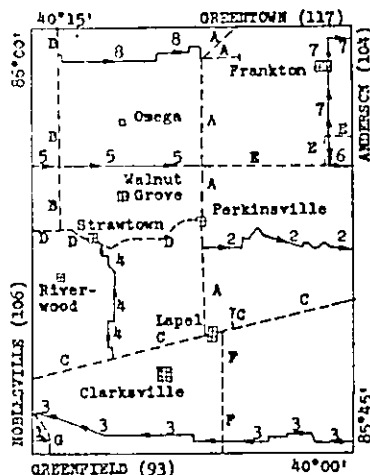
886.45



FILE COPY

Hamilton, Madison, and  
Tipton Counties

Edition of 3/5/70



USC&GS Leveling Lines

- A. 400853 (Line 102), Second-order
- B. 400853 (Line 103), Second-order
- C. 400853 (Line 105), Second-order
- D. 400853 (Line 107), Second-order
- E. 400853 (Line 108), Second-order
- F. 400853 (Line 120), Second-order
- G. 400853 (Line 121), Second-order

INDEX OF PERMANENT MARKS

| MARK (USC&GS)          | PAGE NO. | MARK (USC&GS) | PAGE NO. |
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| 29 JWM 1952 834        | 1        | M 42 1934     | 1        |
| 30 JWM 1952 857        | 1        | Y 193 1946    | 2        |
| 32 JWM 1952 RESET 1963 | 1        | Z 193 1946    | 2        |
| 33 JWM 1952 871        | 1        | E 104 1946    | 2        |
| 34 JWM 1952 846        | 1        | L 104 1946    | 2        |
| 35 JWM 1952 838        | 1        | U 194 1946    | 2        |
| 36 JWM 1952 819        | 1        | E 205 1946    | 2        |
| 37 JWM 1952 809        | 1        | F 205 1946    | 2        |
| 38 JWM 1952 816        | 1        | K 205 1946    | 2        |
| 104 EOM 1958 831       | 1        | Q 209 1946    | 1        |
| 105 EOM 1958 808       | 2        | P 236 1947    | 1        |
| 107 EOM 1958 830       | 2        | M 237 1947    | 1        |
| 108 EOM 1958 858       | 2        | Q 237 1947    | 1        |
| 109 EOM 1958 853       | 2        |               |          |

Feet

LINE 1.

FROM POINT 3.0 MILES SOUTH OF NOBLESVILLE ALONG ROADS WEST INTO NOBLESVILLE QUADRANGLE (By R. H. Paine, 1951; Book AV 284 a)

"N 237 1947" (USC&GS) 826.462

LINE 2.

FROM POINT 3.5 MILES NORTH OF FISHERSBURG ALONG ROADS GENERALLY EAST INTO ANDERSON QUADRANGLE (By J. W. McLaughlin, 1952; Book AV 330 a)

"L 194 1946" (USC&GS) (Reported destroyed, 1962) 818.712

Perkinsville, 0.4 mi S. of, along State Highway 13, thence 2.3 mi SE., thence 0.4 mi S.; 2.0 mi WNW. of Hamilton, thence 0.5 mi S.; near E. 1/4 cor. sec. 3, T. 19 N., R. 6 E.; 25 ft SW. of junction of T-rd. W.; 1 ft E. of fence line; in concrete post; standard tablet stamped "29 JWM 1952 834"

833.656

Hamilton, in SE. 1/4 sec. 1, T. 19 N., R. 6 E.; 40 ft SW. of crossroads, 1 ft E. of fence line; in concrete post; standard tablet stamped "30 JWM 1952 857"

856.780

LINE 3

FROM ANDERSON QUADRANGLE ALONG ROADS GENERALLY WEST TO POINT 1.7 MILES SOUTHEAST OF NOBLESVILLE (By J. W. McLaughlin, 1952; Book AV 330 a)

Pendleton, 1.6 mi W. of, along State Highway 38, in SE. 1/4 sec. 18, T. 18 N., R. 7 E.; 162 ft N. of centerline of hwy., 2 ft W. of hwy. right-of-way fence; 120 ft SE. of power pole, 103 ft N. of end of paved gutter; in concrete post; standard tablet stamped "32 JWM 1952 RESET 1963"

876.900

Pendleton, 3.0 mi W. of, along State Highway 38, thence 0.2 mi S., thence 0.5 mi W.; in SE. 1/4 sec. 14, T. 18 N., R. 6 E.; on E. end of curve; 15 ft N. of centerline of rd.; 3 ft NW. of fence corner; in concrete post; standard tablet stamped "33 JWM 1952 871"

870.974

"F 236 1947" (USC&GS)

862.442

Clarksville, 1.6 mi SE. of, along State Highway 38, thence 1.6 mi S.; at SE. cor. sec. 18, T. 18 N., R. 6 E.; 30 ft NW. of centerline of crossroads; 2 ft S. of fence line; in concrete post, standard tablet stamped "34 JWM 1952 846"

845.814

Clarksville, 0.5 mi NW. of, along State Highway 38, thence 2.2 mi S., at SW. cor. sec. 13, T. 18 N., R. 5 E.; 30 ft NE. of crossroads; 3 ft W. of fence line; in concrete post; standard tablet stamped "35 JWM 1952 838"

838.500

Clarksville, 1.4 mi NW. of, along State Highway 38, thence 1.4 mi S., thence 1.0 mi W., thence 0.4 mi S.; 4.3 mi SE. of Noblesville along State Highway 238; near E. 1/4 cor. sec. 16, T. 18 N., R. 5 E.; 35 ft NW. of junction of T-rd. N.; 3 ft S. of fence line; in concrete post; standard tablet stamped "36 JWM 1952 819"

819.100

"Q 237 1947" (USC&GS)

773.9-9

LINE 4

FROM POINT 1.0 MILE WEST OF DUPPIN ALONG ROADS NORTH TO STRAWTOWN (By J. W. McLaughlin, 1952; Book AV 330 a)

"M 42 1934" (USC&GS) 793.1

Strawtown, 3.9 mi SE. and S. of, near N. 1/4 cor. sec. 26, T. 19 N., R. 5 E.; 20 ft SE. of junction of T-rd. N.; 4 ft W. of telephone pole; in concrete post; standard tablet stamped "37 JWM 1952 809"

808

Strawtown, 1.9 mi SE. and S. of; at S. 1/4 cor. sec. 1, T. 19 N., R. 5 E.; at Victory Chapel Wesleyan Methodist Church; 32 ft NE. of centerline of cross road; 2 ft E. of telephone pole; in concrete post; standard tablet stamped "38 JWM 1952 816"

815.76

"Q 209 1946" (USC&GS)

794.506

LINE 5

FROM NOBLESVILLE QUADRANGLE ALONG ROADS EAST TO POINT 2.5 MILES NORTH OF PERKINSVILLE (By E. O. Miner, 1950; Book AV 656 a)

Arcadia, 1.4 mi E. of, along rds.; 100 ft E. and 20 ft S. of bridge over Cicero Creek; in NW. corner of lawn; 3 ft higher than rd., in base on N. side of 36-in. maple tree, lag screw (Reference mark No. 3 to Cicero Creek gaging station)

840.1

"K 205 1946" (USC&GS)

850.467

U.E., Walnut Grove, 1.0 mi N. of, along rds., thence 1.1 mi W.; on SW. wingwall of concrete bridge over Long Branch; chiseled square

843.91

Walnut Grove, 1.0 mi N. of, along rds., thence 0.6 mi E.; on N. line sec. 23, T. 20 N., R. 5 E.; 15 ft S. and 150 ft W. of drive N.; 2 ft W. of E. end of concrete headwall; in concrete post, standard tablet stamped "104 EOM 1953 831"

831.41

U.E., Walnut Grove, 1.0 mi N. of, along rds., thence 1.4 mi E.; on N. end of W. backwall of steel bridge over Bear Creek; chiseled square

822.1

FRANKTON  
QUAD  
(39)  
(43)  
LAPOL  
QUAD

Walnut Grove, 1.0 mi N. of, along rds., thence 2.4 mi E.; near N. 1/4 cor. sec. 19, T. 20 N., R. 6 E.; 2 ft. lower than rd.; in SE. stone wingwall of steel bridge over Duck Creek; standard tablet stamped "105 EOM 1958 808"

808.165

"E 194 1946" (USC&GS)

833.292

LINE 6.

FROM POINT 2.0 MILES SOUTH OF FRANKTON ALONG ROADS SOUTH FOR 1.0 MILE THENCE EAST INTO ANDERSON QUADRANGLE (By E. O. Miner, 1958; Book AV 656 a)

"Y 193 1946" (USC&GS) (Reported destroyed, 1962)

864.447

"Z 193 1946" (USC&GS)

870.169

LINE 7.

FROM POINT 2.0 MILES SOUTH OF FRANKTON ALONG ROADS NORTH TO POINT 2.0 MILES NORTH OF FRANKTON THENCE EAST INTO ANDERSON QUADRANGLE (By E. O. Miner, 1958; Book AV 656 a)

"Y 193 1946" (USC&GS) (Also in line 6)

864.447

U.E., Frankton; on corner of NW. curb at 11th and Sigler Streets; chiseled square

862.39

Frankton, 0.3 mi N. of, along rds., near W. 1/4 cor. sec. 32, T. 21 N., R. 7 E.; 6 ft NE. of NE. corner of steel bridge over Pipe Creek; in concrete wingwall; standard tablet stamped "107 EOM 1958 830" (Reported destroyed, 1962)

830.443

U.E., Frankton, 1.8 mi N. of, along rds., thence 0.5 mi E.; 200 ft E. of junction of T-rd. N.; on N. headwall of culvert; chiseled square

860.14

LINE 8.

FROM POINT 2.5 MILES NORTH AND 2.0 MILES WEST OF OMEGA EAST ALONG ROADS TO POINT 2.4 MILES SOUTHWEST OF ELWOOD (By E. O. Miner, 1958; Book AV 656 a)

"E 205 1946" (USC&GS)

859.204

"F 205 1946" (USC&GS)

859.696

Omega, 2.5 mi N. of, along rds., thence 0.2 mi W.; in SE. 1/4 sec. 27, T. 21 N., R. 5 E.; in NW. wingwall of steel bridge over Weasel Creek; standard tablet stamped "108 EOM 1958 858"

858.010

Omega, 2.5 mi N. of, along rds., thence 1.7 mi E.; on S. line sec. 25, T. 21 N., R. 5 E.; in NW. wingwall of concrete culvert; standard tablet stamped "109 EOM 1958 853"

853.299

U.E., Elwood, 2.0 mi S. of, along State Highway 13, thence 1.0 mi W., thence 0.5 mi S., thence 0.4 mi W.; 150 ft E. of concrete block factory; on N. headwall; chiseled square

840.87

"U 194 1946" (USC&GS)

841.855

FRANKTON  
QUAD  
202

FRANKTON  
QUAD  
203

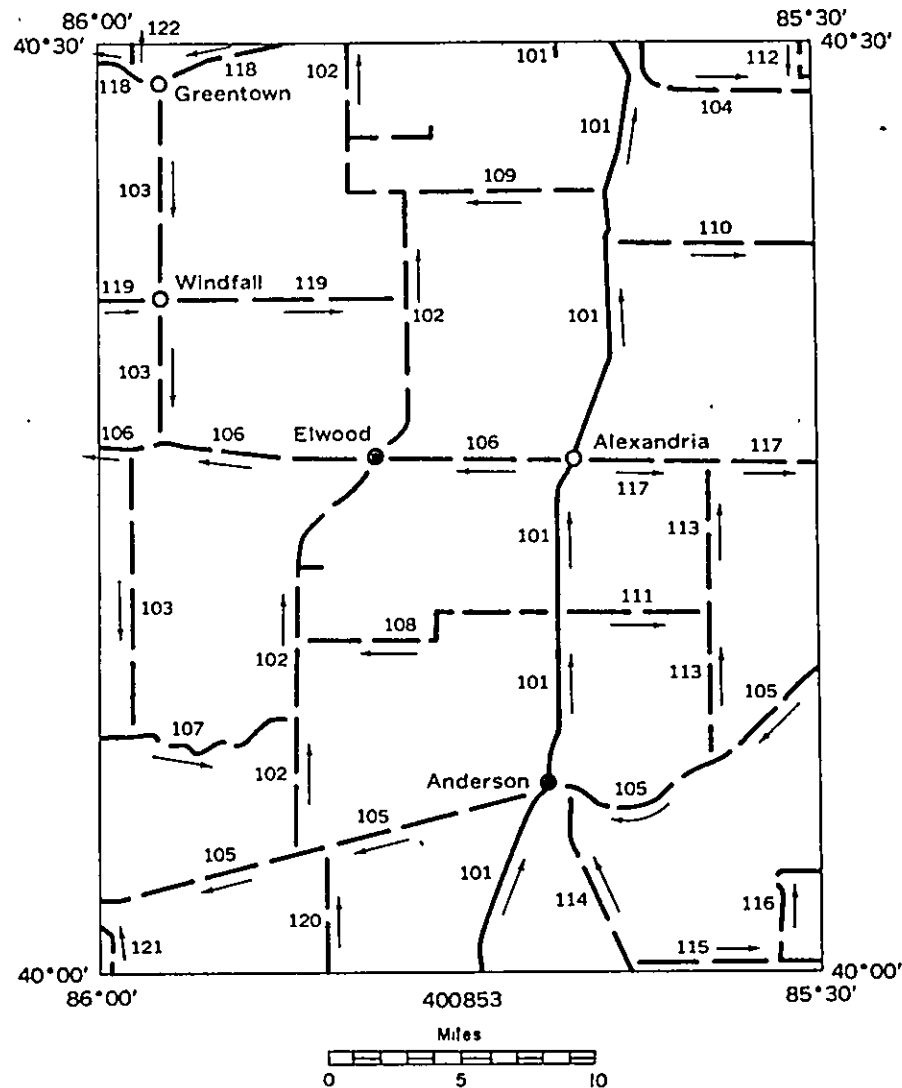
APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

# VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD-----400853  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MONIE NC 16-12



REPLACES EARLIER LISTS

USCOMM-NOAA-ASHEVILLE

750W  
P STREET

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

REPLACES ELEV. OF JUNE 1959

ANDERSON SOUTH 1-14  
NORTHLINE 101  
(First-order)

This line follows the New York Central RR N through Anderson & Alexandria to the end of the quad, then re-enters going S along State Hwy. 9 to the end of the line.

The original field work (440) was done in 1916 by a party supervised by J.H. Peters. The line was releveled (L-11935) (second-order) from BM R 4 to the end of the line in November 1946 and (L-12250) from the beginning of the line to BM N 234 in June 1947 by parties supervised by Clarence Symms, Jr.

The 1947 elevations are based on a supplementary adjustment of 1947 and the 1946 elevations are based on a supplementary adjustment of 1951.

| BENCH MARK     | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|----------------|----------------------|---------------------|
| P 4            | 265.798              | 872.039             |
| V 234          | 265.798              | 872.039             |
| Q 4 RESET 1947 | 267.819              | 879.669             |
| U 234          | 268.901              | 882.219             |
| T 234          | 268.553              | 881.078             |
| S 234          | 267.712              | 878.318             |
| R 234          | 267.930              | 879.034             |
| Q 234          | 266.594              | 874.650             |
| N 234          | 264.922              | 869.165             |
| R 4            | 270.055              | 886.005             |
| S 4            | 269.167              | 883.092             |
| T 4            | 270.389              | 887.101             |
| ANDERSON AZI   | 272.440              | 893.830             |
| ANDERSON       | DESTROYED            |                     |
| ANDERSON RM 1  | DESTROYED            |                     |
| ANDERSON RM 2  | DESTROYED            |                     |
| K 193          | 260.392              | 854.303             |
| U 4            | 262.255              | 860.415             |
| L 193          | 269.690              | 884.808             |
| M 193          | 269.941              | 885.631             |
| N 193          | 271.370              | 890.320             |
| P 193          | 271.733              | 891.511             |
| V 4            | 272.537              | 894.148             |
| Q 193          | 269.805              | 885.185             |
| R 193          | 269.499              | 884.181             |
| S 193          | 270.102              | 886.160             |
| T 193          | 267.971              | 879.168             |
| W 4            | DESTROYED            |                     |
| H 185          | 269.593              | 884.490             |
| PAINTER        | 272.090              | 892.682             |

LINE 101  
(Continued)

| BENCH MARK   | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|--------------|----------------------|---------------------|
| PAINTER RM 1 | 273.374              | 896.895             |
| PAINTER RM 2 | 272.500              | 894.027             |
| PAINTER AZI  | 274.491              | 900.559             |
| G 185        | 273.671              | 897.869             |
| F 185        | 269.498              | 884.178             |
| E 185        | 272.456              | 893.883             |
| D 185        | 270.873              | 888.689             |
| Y 4          | 269.053              | 882.718             |
| C 185        | 266.564              | 874.552             |
| Z 4          | NOT RECOVERED        |                     |
| J 185        | 268.903              | 882.226             |
| K 185        | 269.826              | 885.254             |
| L 185        | 271.039              | 889.234             |
| M 185        | 268.293              | 880.225             |
| N 185        | 269.357              | 883.715             |
| B 5          | 266.885              | 875.605             |
| C 5          | 264.534              | 867.892             |
| P 185        | 263.556              | 864.683             |
| Q 185        | 262.697              | 861.865             |
| R 185        | 261.744              | 858.738             |
| D 5          | 261.866              | 859.139             |
| E 5          | 261.338              | 857.406             |
| S 185        | 260.922              | 856.042             |

THE LINE LEAVES AND RE-ENTERS THE  
QUADANGLE AS SECOND ORDER

## SPUR LINE TO MARION AIRPORT

|       |         |         |
|-------|---------|---------|
| Y 174 | 258.638 | 848.548 |
| Z 174 | 258.529 | 848.191 |
| A 175 | 258.586 | 848.378 |

## END OF THE SPUR LINE

LINE 102  
(Second-order)

This line follows State Hwy. 13, 37, 26 & again 13 N from the jct. with line 105 through Elwood to the end of the quad.

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929
 GRID 400853 PAGE NO. 1  
 INDIANA  
 LATITUDE 40°00' TO 40°30'  
 LONGITUDE 85°30' TO 86°00'  
 DIAGRAM MUNCIE NK 16-12
LINE 102  
(Continued)

The field work (L-11929) was done in November 1946 by a party supervised by Clarence Symms, Jr.

These elevations are based on a supplementary adjustment of 1951.

| BENCH MARK        | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|-------------------|----------------------|---------------------|
| F 194             | DESTROYED            |                     |
| G 194             | 258.409              | 847.797             |
| H 194             | 257.146              | 843.653             |
| J 194             | 252.846              | 829.546             |
| L 194             | 249.544              | 818.712             |
| M 194             | 249.419              | 818.302             |
| N 194 RESET 1965  |                      | 809.378             |
| P 194 RESET 1965  |                      | 812.301             |
| Q 194             | 253.044              | 830.195             |
| E 194             | 253.988              | 833.292             |
| R 194             | 255.009              | 836.642             |
| S 194             | 256.553              | 841.708             |
| T 194             | 252.860              | 829.592             |
| U 194             | 256.598              | 841.855             |
| V 194             | 259.965              | 852.902             |
| FRANKTON RM 1     | 262.204              | 860.248             |
| FRANKTON          | 262.806              | 862.223             |
| FRANKTON RM 2     | DESTROYED            |                     |
| FRANKTON RM 3     | 866.373              |                     |
| FRANKTON AZI      | 260.259              | 853.866             |
| W 194             | 257.016              | 843.227             |
| X 194             | 262.789              | 862.167             |
| Y 194             | 262.371              | 860.796             |
| Z 194             | 262.592              | 861.521             |
| A 195             | 264.748              | 868.594             |
| B 195             | 263.329              | 863.939             |
| C 195             | 266.124              | 873.108             |
| MAD G 2 (IH Comm) | 264.339              | 867.252             |
| D 195             | 264.877              | 869.017             |
| E 195             | 265.472              | 870.969             |
| MAD G 3 (IH Comm) | 265.457              | 870.920             |
| F 195             | 266.063              | 872.908             |
| Q 195             | 267.833              | 878.715             |
| GQ 195 (IHC)      | 273.861              | 898.492             |
| H 195             | 274.508              | 900.615             |
| J 195             | 270.184              | 886.429             |
| K 195             | 269.908              | 885.523             |
| L 195             | 267.801              | 878.610             |
| M 195             | 267.599              | 877.948             |
| N 195             | 267.978              | 879.191             |
| P 195             | 264.647              | 868.263             |

LINE 102  
(Continued)

| BENCH MARK | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|------------|----------------------|---------------------|
| Q 195      | 264.842              | 868.902             |

SPUR LINE TO  
TRIANGULATION STATION JACOB

|            |         |         |
|------------|---------|---------|
| R 195      | 267.308 | 876.993 |
| S 195      | 266.269 | 873.584 |
| JACOB AZI  | 267.495 | 877.607 |
| JACOB      | 268.361 | 880.448 |
| JACOB RM 1 | 268.567 | 881.124 |
| JACOB RM 2 | 269.702 | 884.847 |

## END OF THE SPUR LINE

|                |         |         |
|----------------|---------|---------|
| T 195          | 263.178 | 863.443 |
| Q 204          | 263.539 | 864.628 |
| GRA Q 15 (ISH) | 263.645 | 864.975 |

LINE 103  
(Second-order)

This line follows State Hwy. 213 gravel road S from Greentown through Windfall to the jct. with line 107.

The field work (L-11929) was done in November 1946 by a party supervised by Clarence Symms, Jr.

These elevations are based on a supplementary adjustment of 1951.

| BENCH MARK | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|------------|----------------------|---------------------|
| X 204      | 260.938              | 856.094             |
| W 204      | 256.242              | 840.687             |
| V 204      | 257.082              | 843.443             |
| U 204      | 257.712              | 845.510             |
| T 204      | 259.342              | 850.858             |
| S 204      | 259.911              | 852.725             |
| R 204      | 260.437              | 854.450             |
| Q 204      | 259.866              | 852.577             |
| B 205      | 263.136              | 863.305             |
| A 205      | 263.324              | 863.922             |

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 2  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 103  
(Continued)

| BENCH MARK | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|------------|----------------------|---------------------|
| Z 204      | 263.721              | 865.225             |
| Y 204      | 265.085              | 869.700             |
| C 205      | 262.211              | 860.271             |
| D 205      | 262.895              | 862.515             |
| E 205      | 261.886              | 859.204             |
| F 205      | 262.036              | 859.696             |
| G 205      | 260.123              | 853.420             |
| H 205      | 261.406              | 857.630             |
| J 205      | 258.872              | 849.316             |
| K 205      | 259.223              | 850.467             |
| L 205      | 255.588              | 838.542             |
| M 205      | 252.756              | 829.250             |
| N 205      | 250.864              | 823.043             |

LINE 104  
(Second-order)

This line follows the Pennsylvania RR S & E across the NE corner of the quad.

The original field work (L-4145) was done in October 1934 by a party supervised by W.M. Gibson. BM H 203 was leveled (L-12184) in November 1946 by a party supervised by Clarence Symms, Jr.

These elevations are derived from a combination of both levelings and are based on a supplementary adjustment of 1951.

| BENCH MARK      | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|-----------------|----------------------|---------------------|
| Y 36 RESET 1970 |                      | 850.657             |
| Z 36            | DESTROYED            |                     |
| A 37            | 263.354              | 864.021             |
| BM (PRR)        | 266.252              | 873.528             |
| B 37            | 266.197              | 873.348             |
| C 37            | 274.562              | 900.792             |
| H 203           | 279.463              | 916.872             |

LINE 105  
(Second-order)

This line follows the Cleveland, Cincinnati, Chicago & St. Louis Rwy. & the Central Indiana RR SW through Anderson to the end of the quad.

The original field work (L-6128) was done in October 1934 and April 1935 by a party supervised by W.M. Gibson. Releveling (L-11929) was done from BM E 209 to BM M 42 in November 1946 by a party supervised by Clarence Symms, Jr. Additional releveling (L-12189) was done from BM T 41 to BM J 42 in August 1947 also by a party supervised by Clarence Symms, Jr.

These elevations are derived from a combination of the three levelings and are based on a supplementary adjustment of 1951.

| BENCH MARK      | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|-----------------|----------------------|---------------------|
| Q 41            | 282.896              | 928.135             |
| R 41            | 278.909              | 915.054             |
| S 41            | DESTROYED            |                     |
| T 41            | 276.838              | 908.259             |
| U 41 RESET 1936 |                      | 913.435             |
| V 41            | 275.955              | 905.362             |
| W 41            | 275.951              | 905.349             |
| X 41            | DESTROYED            |                     |
| Y 41            | 272.902              | 895.346             |
| Z 41            | 272.548              | 894.185             |
| A 42            | 269.586              | 884.467             |
| B 42            | 267.512              | 877.662             |
| C 42            | 265.072              | 869.657             |
| D 42            | 264.826              | 868.850             |
| E 42            | 269.695              | 884.824             |
| F 42            | 269.157              | 883.059             |
| N 250           | 266.652              | 874.841             |
| G 42            | 268.432              | 880.681             |
| M 250           | 265.481              | 870.999             |
| H 42            | 266.130              | 873.128             |
| L 250           | 265.026              | 869.506             |
| J 42            | 264.430              | 867.551             |
| E 209           | 264.236              | 866.914             |
| F 209           | 263.160              | 863.384             |
| G 209           | 262.494              | 861.199             |

LINE 105  
(Continued)

| BENCH MARK | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|------------|----------------------|---------------------|
| K 42       | 261.631              | 858.368             |
| K 194      | 252.413              | 828.125             |
| C 209      | 256.126              | 840.307             |
| L 42       | 256.121              | 840.290             |
| D 209      | 250.612              | 822.216             |
| M 42       | 243.266              | 798.115             |
| N 42       | 247.380              | 811.613             |

LINE 106  
(Second-order)

This line follows State Hwy. 28 W from Alexandria through Elwood to the end of the quad.

The field work (L-11929) was done in November 1946 by a party supervised by Clarence Symms, Jr.

These elevations are based on a supplementary adjustment of 1951.

| BENCH MARK  | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|-------------|----------------------|---------------------|
| W 185       | 259.924              | 852.767             |
| X 185       | 258.695              | 848.735             |
| Y 185       | 265.986              | 872.656             |
| Z 185       | 266.216              | 873.410             |
| K 206       | 265.735              | 871.832             |
| L 206       | 264.248              | 866.954             |
| M 206       | 264.613              | 868.151             |
| N 206 (IHC) | 264.337              | 867.246             |
| TM 1 M      | 264.445              | 867.600             |
| P 206       | 264.933              | 869.201             |
| Q 206       | 263.762              | 865.359             |
| ELWOOD      | 264.517              | 867.836             |
| ELWOOD NO 1 | 264.178              | 866.724             |
| ELWOOD AZI  | 263.075              | 863.105             |
| R 206       | 262.834              | 862.315             |
| S 206       | 263.243              | 863.656             |
| T 206       | 263.838              | 865.608             |
| U 206       | 263.587              | 864.785             |
| V 206       | DESTROYED            |                     |
| TM 4 M      | 263.617              | 864.883             |
| W 206       | 264.727              | 868.525             |
| X 206       | 263.874              | 865.727             |

LINE 107  
(Second-order)

This line follows various roads & State Hwy. 37 E to the jct. with line 102.

The field work (L-11929) was done in November 1946 by a party supervised by Clarence Symms, Jr.

These elevations are based on a supplementary adjustment of 1951.

| BENCH MARK | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|------------|----------------------|---------------------|
| S 209      | 251.746              | 825.937             |
| P 205      | 247.872              | 813.227             |
| R 209      | 238.575              | 782.725             |
| Q 209      | 242.166              | 794.506             |
| P 209      | 247.199              | 811.019             |
| N 209      | 245.309              | 804.818             |
| M 209      | 243.789              | 799.831             |
| L 209      | 245.868              | 806.652             |

LINE 108  
(Second-order)

This line follows a county road W from the jct. with line 101 to the jct. with line 102.

The field work (L-11929) was done in November 1946 by a party supervised by Clarence Symms, Jr.

These elevations are based on a supplementary adjustment of 1951.

| BENCH MARK | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|------------|----------------------|---------------------|
| TM 1 L     | 272.725              | 894.765             |
| U 193      | 270.521              | 887.534             |
| V 193      | 268.856              | 882.072             |
| W 193      | 266.603              | 874.680             |
| X 193      | 267.946              | 879.086             |
| Y 193      | 263.484              | 864.447             |
| Z 193      | 265.228              | 870.169             |
| A 194      | 261.229              | 857.049             |
| B 194      | 255.181              | 837.206             |
| C 194      | 246.924              | 810.116             |
| D 194      | 254.864              | 836.166             |

•USGS Third-order elevation.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 3  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 109  
(Second-order)

This line follows State Hwy. 26 W from the jct. with line 101 to the jct. with line 102.

The field work (L-11929) was done in November 1946 by a party supervised by Clarence Symms, Jr.

These elevations are based on a supplementary adjustment of 1951.

| BENCH MARK                 | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|----------------------------|----------------------|---------------------|
| GRA Q 12<br>(Ind H. Comm.) | 261.830              | 859.021             |
| H 204                      | 266.860              | 875.523             |
| J 204                      | DESTROYED            |                     |
| K 204                      | DESTROYED            |                     |
| L 204                      | 267.620              | 878.017             |
| M 204                      | 267.839              | 878.735             |
| N 204                      | 267.332              | 877.072             |
| P 204                      | DESTROYED            |                     |

LINE 110  
(Second-order)

This line follows a gravel county road E from the jct. with line 101 to the end of the quad.

The field work (L-12185) was done in May 1947 by a party supervised by Clarence Symms, Jr.

These elevations are based on a supplementary adjustment of 1951.

| BENCH MARK | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|------------|----------------------|---------------------|
| Z 216      | 268.247              | 880.074             |
| A 217      | 268.616              | 881.284             |
| B 217      | 268.401              | 880.579             |
| C 217      | 269.148              | 883.030             |
| D 217      | 269.036              | 882.662             |
| E 217      | 268.823              | 881.963             |
| F 217      | 268.203              | 879.929             |
| G 217      | 268.247              | 880.074             |
| Y 216      | 268.176              | 879.841             |

LINE 111  
(Second-order)

This line follows a county road E from the jct. with line 101 to the jct. with line 113.

The field work (L-12185) was done in May 1947 by a party supervised by Clarence Symms, Jr.

These elevations are based on a supplementary adjustment of 1951.

| BENCH MARK | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|------------|----------------------|---------------------|
| X 218      | 264.809              | 868.794             |
| Y 218      | 264.000              | 866.140             |
| Z 218      | 271.538              | 890.871             |
| A 219      | 269.681              | 884.778             |
| B 219      | 264.206              | 866.816             |

LINE 112  
(Second-order)

This line follows State Hwy. 221 across the NE corner of the quad.

The field work (L-12117) was done in November 1946 by a party supervised by Clarence Symms, Jr.

These elevations are based on a supplementary adjustment of 1951.

| BENCH MARK | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|------------|----------------------|---------------------|
| F 203      | 266.743              | 875.139             |
| G 203      | 273.569              | 897.534             |

LINE 113  
(Second-order)

This line follows the Delaware Madison County Line Rd. N from the jct. of line 105 to the jct. with line 117.

LINE 113  
(Continued)

The field work (L-12185) was done in May 1947 by a party supervised by Clarence Symms, Jr.

These elevations are based on a supplementary adjustment of 1951.

| BENCH MARK | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|------------|----------------------|---------------------|
| T 218      | 278.535              | 913.827             |
| S 218      | 265.276              | 870.326             |
| R 218      | 277.936              | 911.862             |
| Q 218      | 277.755              | 911.268             |
| P 218      | 278.109              | 912.429             |
| N 218      | 276.093              | 905.815             |
| M 218      | 274.504              | 900.602             |
| L 218      | 264.936              | 869.211             |
| K 218      | 274.889              | 901.865             |
| J 218      | 273.953              | 898.794             |
| H 218      | 278.456              | 913.568             |
| G 218      | 274.068              | 899.171             |

LINE 114  
(Second-order)

This line follows the Cleveland, Cincinnati, Chicago & St. Louis RR N to the jct. with line 105, E of Anderson.

The field work (L-6131) was done in November 1934 by a party supervised by W.M. Gibson.

These elevations are based on a supplementary adjustment of 1951.

| BENCH MARK | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|------------|----------------------|---------------------|
| K 44       | DESTROYED            |                     |
| L 44       | 280.916              | 921.639             |
| M 44       | 279.944              | 918.450             |
| N 44       | 277.992              | 912.045             |
| P 44       | 271.960              | 892.255             |

LINE 115  
(Second-order)

This line follows U.S. Hwy. 36 E from the jct. of line 114 to the jct. with line 116.

LINE 115  
(Continued)

The field work (L-12231) was done in July 1947 by a party supervised by Clarence Symms, Jr.

These elevations are based on a supplementary adjustment of 1951.

| BENCH MARK       | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|------------------|----------------------|---------------------|
| S 247 RESET 1960 |                      | 936.912             |
| T 247            | 293.925              | 964.319             |
| U 247            | 292.096              | 958.318             |
| V 247            | 303.139              | 994.549             |
| W 247            | 308.725              | 1012.875            |

LINE 116  
(Second-order)

This line follows U.S. Hwy. 36 W & black top roads N & E at the SE corner of the quad.

The field work (L-12231) was done in July 1947 by a party supervised by Clarence Symms, Jr.

These elevations are based on a supplementary adjustment of 1951.

| BENCH MARK                    | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|-------------------------------|----------------------|---------------------|
| 133 HH 25 (IGS)<br>RESET 1961 |                      | 1031.069            |
| 132 GG 25(IGS)                | 310.832              | 1019.788            |
| FADELY                        | 310.973              | 1020.251            |
| FADELY RM 1                   | 310.984              | 1020.287            |
| FADELY RM 2                   | 311.623              | 1022.383            |
| FADELY AZI                    | 309.159              | 1014.299            |
| S 248                         | 300.129              | 984.673             |
| T 248                         | 303.599              | 996.058             |
| U 248                         | 297.468              | 975.943             |
| V 248                         | 285.817              | 937.718             |
| W 248                         | 294.095              | 964.877             |
| X 248                         | 285.496              | 936.665             |
| Y 248                         | 303.919              | 997.108             |

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEALEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 4  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM NUNCIE NK 16-12

LINE 117  
(Second-order)

This line follows U.S. Hwy. 28 E from Alexandria to the end of the quad.

The field work (L-12185) was done in May 1947 by a party supervised by Clarence Symms, Jr.

These elevations are based on a supplementary adjustment of 1951.

| BENCH MARK       | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|------------------|----------------------|---------------------|
| U 217            | 271.893              | 892.036             |
| V 217            | 271.103              | 889.444             |
| W 217            | 271.561              | 890.946             |
| X 217            | 273.216              | 896.376             |
| Y 217            | 272.599              | 894.352             |
| Z 217 RESET 1963 |                      | 897.648             |
| A 218            | 273.677              | 897.889             |
| B 218            | 275.232              | 902.990             |
| C 218            | 276.036              | 905.628             |

LINE 118  
(Second-order)

This line follows the New York, Chicago & St. Louis RR SW through Greentown then NW to the end of the quad.

The original field work (L-6170) was done in October 1934 by a party supervised by W.M. Gibson. The line was re-leveled (L-11932) from BM Y 26 to the end of the line in October 1946 by a party supervised by Clarence Symms, Jr.

These elevations are derived from a combination of both levelings and are based on a supplementary adjustment of 1951.

| BENCH MARK | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|------------|----------------------|---------------------|
| X 26       | 262.303              | 860.572             |
| Y 26       | 259.802              | 852.367             |
| Z 26       | DESTROYED            |                     |
| U 191      | 256.129              | 840.317             |

LINE 119  
(Second-order)

This line follows a gravel & county road E through Windfall to the jct. with line 102.

The field work (L-11929) was done in November 1946 by a party supervised by Clarence Symms, Jr.

These elevations are based on a supplementary adjustment of 1951.

| BENCH MARK | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|------------|----------------------|---------------------|
| Q 208      | 264.184              | 866.744             |
| S 208      | 264.076              | 866.389             |
| T 208      | 264.005              | 866.156             |
| U 208      | 263.802              | 865.490             |
| V 208      | 263.039              | 862.987             |
| W 208      | 264.100              | 866.468             |
| X 208      | 263.688              | 865.116             |
| Y 208      | 265.205              | 870.093             |
| Z 208      | 266.700              | 874.998             |
| A 209      | 264.562              | 867.984             |
| B 209      | 266.611              | 874.706             |

LINE 120  
(Second-order)

This line follows State Hwy. 13 N to the jct. with line 105.

The field work (L-12190) was done in July 1947 by a party supervised by Clarence Symms, Jr.

These elevations are based on a supplementary adjustment of 1951.

| BENCH MARK | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|------------|----------------------|---------------------|
| F 236      | 262.873              | 862.442             |
| E 236      | DESTROYED            |                     |
| D 236      | 261.384              | 857.557             |
| C 236      | 264.453              | 867.626             |
| B 236      | 263.940              | 865.943             |

LINE 121  
(Second-order)

This line follows State Hwy. 238 across the SW corner of the quad.

The field work (L-12190) was done in July 1947 by a party supervised by Clarence Symms, Jr.

These elevations are based on a supplementary adjustment of 1951.

| BENCH MARK | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|------------|----------------------|---------------------|
| N 237      | 251.863              | 826.321             |
| P 237      | 250.137              | 820.658             |
| Q 237      | 237.424              | 778.949             |

LINE 122  
(Second-order)

This line follows a gravel road N at the NW corner of the quad.

The field work (L-11932) was done in 1946 by a party supervised by Clarence Symms, Jr.

These elevations are based on a supplementary adjustment of 1951.

| BENCH MARK | ADJUSTED<br>(Meters) | ELEVATION<br>(Feet) |
|------------|----------------------|---------------------|
| V 191      | 258.472              | 848.004             |

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

REPLACES DESCR. OF JUNE 1959

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929QUAD 400853 PAGE NO. 1  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

## ANDERSON SOUTH QUADRANGLE

## LINE 101

U. S. DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
Form 565-A

## RECOVERY NOTE, BENCH MARK

Designation P 4 State Indiana County Madison  
Nearest town Pendleton County Madison June 1947  
Distance and direction from nearest town About 0.6 mile northeast  
Character of mark A chiseled square Stamping  
Established by U.S.C. & G.S.  
Present condition ?????? (\*)

Detailed report About 0.6 mile northeast along the New York Central Railroad from the Station at Pendleton, in the top of the northeast end of the northwest head wall of the bridge over Fall Creek, 7.3 feet northwest of the northwest rail, 2.5 feet southwest of the northeast end of the head wall and about 1 foot below the track. (\*) This mark is very indefinite. The level party hit this point as it seemed to be at the approximate original description and although it checked fairly well it is possible that almost any point on the head wall would have checked. There is a faint outline of a square but should be used with caution.

NOT RECOVERED December 1960 USGS Report.

## DESCRIPTION OF BENCH MARK

Designation V 234 State Indiana County Madison  
Nearest town Pendleton County Madison  
Distance and direction from nearest town About 0.6 mile north  
Character of mark A bronze disk Stamping V 234 1947  
Established by U.S.C. & G.S.  
Detailed description About 0.6 mile north along the New York Central Railroad from the Station at Pendleton, about 3 rails south of mile post 255, set in the top of the north end of the west head wall of a concrete bridge over Fall Creek, 7.3 feet west of the west rail and about 1 foot below the track.

## DESCRIPTION OF BENCH MARK

Designation Q 4 RESET 1947 State Indiana County Madison  
Nearest town Pendleton County Madison  
Distance and direction from nearest town About 1.6 miles northeast  
Character of mark A bronze disk Stamping Q 4 ELEV. 878.702 FT  
Established by U.S.C. & G.S. RESET 1947  
Detailed description About 1.6 miles northeast along the New York Central Railroad from the Station at Pendleton, at a gravel cross road, 255 feet northeast and across the tracks from mile post 254, 33.5 feet southeast of the southeast rail, 123 feet southwest of the center line of the gravel road, 11.5 feet northwest of the fence line, 12 feet south of pole 253/51, 1.5 feet northwest of a white wooden witness post, about level with the track and set in the top of a stone post projecting 18 inches.  
NOTE — This bench mark was found loose in the ground by a party from this Bureau and was reset in June 1947.

## DESCRIPTION OF BENCH MARK

Designation U 234 State Indiana County Madison  
Nearest town Pendleton County Madison  
Distance and direction from nearest town About 2.3 miles northeast  
Character of mark A bronze disk Stamping U 234 1947  
Established by U.S.C. & G.S.  
Detailed description About 2.3 miles northeast along the New York Central Railroad from the Station at Pendleton, at pole 253/15, set in the top of the southwest corner of the concrete base of semaphore signal tower No. 2532, 6.5 feet east of the east rail and about level with the tracks.

## DESCRIPTION OF BENCH MARK

Designation T 234 State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town About 4.85 miles southwest  
Character of mark A bronze disk Stamping T 234 1947  
Established by U.S.C. & G.S.  
Detailed description About 4.85 miles southwest along the New York Central Railroad from the Station at Anderson, about 3.2 miles northeast of the Station at Pendleton, at a gravel cross road, 80 feet northwest and across the tracks from pole 252/20, 37.5 feet west of the west rail, 20 feet south of the center line of the gravel road, 5.5 feet south of telephone pole IPL, 1.5 feet north of a white wooden witness post, about 2 feet below the track and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation S 234 State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town About 3.6 miles southwest  
Character of mark A bronze disk Stamping S 234 1947  
Established by U.S.C. & G.S.  
Detailed description About 3.6 miles southwest along the New York Central Railroad from the Station at Anderson, about 14 rails south of mile post 251, 15 rails south of switch tower "TAPT", set in the top of the south end of the west head wall of an 8 by 5 foot concrete culvert, 11 feet west of the west rail, 1.7 feet north of the south end of the head wall and about 1 foot below the track.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

(CONT'D)

QUAD 400853 PAGE NO. 2  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

## DESCRIPTION OF BENCH MARK

⑩ Designation R 234 State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town About 2.65 miles southwest  
Character of mark A bronze disk Stamping R 234 1947  
Established by U.S.C. & G.S.  
Detailed description About 2.65 miles southwest along the New York Central Railroad from the Station at Anderson, at a black top road crossing, directly across the tracks from pole 250/10, 36.5 feet west of the west rail, 20 feet north of the center line of the black top road, 3.5 feet northeast of a concrete fence corner post, 2.8 feet east of the fence line, 1.5 feet south of a white wooden witness post, about 1 foot below the track and set in the top of a concrete post projecting 6 inches.

## REPORT ON CONDITION OF BENCH MARK

R

⑨ Designation R 4 State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town At Madison  
Character of mark A bronze disk Stamping R4 ELEV 886.005 FT  
Established by U.S.C. & G.S.  
Present condition Good  
Detailed Report At Anderson, set vertically in the west face of the stone wall of the New York Central Railroad Station, at 15th and Meridian Street, 1.4 feet north of the southwest corner of the building and 2.9 feet above the side walk.

For additional bench marks in the vicinity of Anderson see,  
"Newcomerstown, Ohio, to Hundy, Ind. (Indiana Portion)", and  
"Rushville to Anderson, Indiana."

## DESCRIPTION OF BENCH MARK

⑦ Designation Q 234 State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town About 1.45 miles southwest  
Character of mark A bronze disk Stamping Q 234 1947  
Established by U.S.C. & G.S.  
Detailed description About 1.45 miles southwest along the New York Central Railroad from the Station at Anderson, about 9 rails northeast of the crossing of West 25th Streets north east and across 25th Street from the Guide Lamp Plant, 3 rails northeast of mile post 249, 19 feet northwest of the northwest rail, 33.5 feet southwest of a semaphore signal post, 7 feet southwest of a pole, 14 feet southeast of the center line of a cinder alley, 1.5 feet northeast of a white wooden witness post, 5.5 feet below the track and set in the top of a concrete post projecting 5 inches.

## REPORT ON CONDITION OF BENCH MARK

R

⑩ Designation S 4 State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town At Anderson  
Character of mark A bronze disk Stamping S4 ELEV 883.092 FT  
Established by U.S.C. & G.S.  
Present condition Good  
Detailed Report At Anderson, set vertically in the west face of the stone wall of the post office building, 17 feet north of the southwest corner of the building, 6.5 feet north of the center of the west entrance to the building, and about 2.6 feet above the ground.

## DESCRIPTION OF BENCH MARK

⑧ Designation N 234 State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town At Anderson  
Character of mark A bronze disk Stamping N 234 1947  
Established by U.S.C. & G.S.  
Detailed description At Anderson, about 0.55 mile southwest along the New York Central Railroad from the Station, at the crossing of Sherman Street, 60.5 feet west of the northwest of the Co-Operative Tool & Die Co. Building, 30.5 feet east of the center line of Sherman Street, 18 feet south of the south rail of the main track, 2.5 feet north of pole 248/07, 1.5 feet east of a white wooden witness post, about level with the track and set in the top of a concrete post projecting 5 inches.

## REPORT ON CONDITION OF BENCH MARK

R

⑪ Designation T 4 State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town At Anderson  
Character of mark A bronze disk Stamping T4 ELEV 887.101 FT  
Established by U.S.C. & G.S.  
Present condition Good  
Detailed Report At Anderson, set vertically in the west face of the stone wall of the stair railing at the south entrance to the Madison County Court House, 7.7 feet north of the southwest corner of the railing of the steps, and 3.5 feet above the side walk.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

(CONT'D)

QUAD 400853 PAGE NO. 3  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 101

FORM 685A  
(11-8-58)U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## RECOVERY NOTE, BENCH MARK

R

Designation AZIMUTH MARK ANDERSON State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town a mile NE of center  
Character of mark R.W. disk set in top of concrete post  
Established by U.S.C.&G.S.  
Present condition good  
Detailed report About a mile air line NE of the heart of Anderson, on the campus of Anderson College, 0.25 mile W of Nursery Road, 132 feet S of center line of East Fifth Street, 123 feet E of NE corner of East Hall dormitory, 8 feet E of center line of a driveway, 8-1/2 feet W of W edge of concrete tennis court, and 2.5 feet N of projected line of S edge of the said court, it projects 10 inches above ground.

FORM 685A  
(11-8-58)U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## RECOVERY NOTE, BENCH MARK

R

Designation ANDERSON State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town a mile NE of center  
Character of mark "standard triangulation station disk"  
Established by U.S.C.&G.S.  
Present condition DESTROYED  
Detailed report The described location according to original bench mark description is now occupied by a concrete sidewalk. It is considered highly probable that the subsurface triangulation mark remains undisturbed.

FORM 685A  
(11-8-58)U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## RECOVERY NOTE, BENCH MARK

R

Designation R.M. 1 ANDERSON State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town a mile NE of center  
Character of mark ----  
Established by U.S.C.&G.S.  
Present condition DESTROYED  
Detailed report According to a letter from then City Engineer of Anderson, Mr. Edwin J. Denman to The Director of the Coast Survey dated 13 June 1961, the subject mark was destroyed shortly prior to that date by a contractor during the widening of Nursery Road. Now at the location "16 feet W of the center line of Nursery Road" falls on the widened pavement. The present curb line is 19 feet from the present center line which closely approximates the previous center line.

## RECOVERY NOTE, BENCH MARK

R

Designation R.M. 2 ANDERSON State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town a mile NE of center  
Character of mark ----  
Established by U.S.C.&G.S.  
Present condition DESTROYED  
Detailed report The described location falls now near the center line of a 5-foot concrete sidewalk. No evidence of the mark was found. It is presumed destroyed.

## DESCRIPTION OF BENCH MARK

Designation K 193 State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town At Anderson  
Character of mark A bronze disk  
Established by U.S.C. & G.S.  
Detailed description At Anderson, about 0.6 mile north along the New York Central Railroad from the Station, at the intersection of John and West 10th Street, 70 feet north-west and across the tracks from the northwest corner of the R. D. Motor Express Garage, 8.5 feet west of the west rail of the main track, 30 feet south of West 10th Street, 16 feet east of the center line of John Street, 2.4 feet north of the north leg of a signal control box, 12 feet south of the warning signal flasher, about level with the rail, and set in the top of a concrete post projecting 5 inches.

## REPORT ON CONDITION OF BENCH MARK

R

Designation U 4 State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town About 1.75 miles north  
Character of mark A bronze disk  
Established by U.S.C. & G.S.  
Present condition Fair (\*)  
Detailed Report About 1.75 miles north along the New York Central Railroad from the Station at Anderson, set in the top of the east end of the north abutment of bridge No. 433 over Kilbuck Creek, 4.4 feet east of the east rail, and about 1 foot below the track.  
(\*) The disk is badly battered and seems to have been re-stamped, but the mark is still tightly intact.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 4  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

## ANDERSON NORTH QUANDRANGLE

## DESCRIPTION OF BENCH MARK

(15) Designation L 193 State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town About 2.8 miles north  
Character of mark A bronze disk Stamping L 193 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.8 miles north along the New York Central Railroad from the Station at Anderson, set in the northeast angle of the intersection of the Pennsylvania Railroad, 84 feet north of the west corner of of switch tower DOW, 105 feet south of the center line of Cross Street, 53 feet northeast of the northeast rail of the Pennsylvania Railroad, 56 feet southeast and across the N.Y.C. track from N.Y.C. pole No. 162/25, 22 feet east of the east rail of the N.Y.C. track, 27 feet west of the center line of a cinder drive way leading to the tower, about 1 foot below the track, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

(16) Designation P 193 State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town About 5.8 miles north  
Character of mark A bronze disk Stamping P 193 1946  
Established by U.S.C. & G.S.  
Detailed description About 5.8 miles north along the New York Central Railroad from the Station at Anderson, about 1.0 mile south of the grain elevator at Linwood, set in the southeast angle of an east-west gravel road crossing, 2 poles south of pole 159/20, 23 feet east of the east rail of the track, 29 feet south of the center line of the gravel road, 13 feet south of a 6 inch concrete fence corner post, 1 foot west of the fence line, about 1.5 feet below the track, and set in the top of a concrete post projecting 5 inches.

## DESCRIPTION OF BENCH MARK

(16) Designation M 193 State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town About 3.8 miles north  
Character of mark A bronze disk Stamping M 193 1946  
Established by U.S.C. & G.S.  
Detailed description About 3.8 miles north along the New York Central Railroad from the Station at Anderson, at an east-west gravel road crossing, 39 feet west of the west rail of the track, 24 feet south of the center line of the gravel road, 24 feet northwest of the 2nd pole north of pole 161/25, 8 feet south of a concrete fence corner post, about 3 feet below the track, and set in the top of a concrete post projecting 5 inches.

## REPORT ON CONDITION OF BENCH MARK

(19) Designation V 4 State Indiana County Madison  
Nearest town Linwood County Madison  
Distance and direction from nearest town At Linwood  
Character of mark A bronze disk Stamping V 4 ELEV 894.185 FT  
Established by U.S.C. & G.S.  
Present condition Fair(\*)  
Detailed Report At Linwood, along the New York Central Railroad, set in the top of the concrete platform at the south entrance to the I. O. A. Store, 146 feet east of the east rail of the main track, 25 feet north of the center line of a black top road, 8 feet east of the southeast corner of the store building, and about level with the street.  
(\*) Mark is set so near the door way that it is continually walked on. The platform in front of the store does not appear to be too good a structure and there fore is probably not too solid.  
For additional bench marks in the vicinity of Linwood, see Windfall Area, Indiana—Line 8."

## DESCRIPTION OF BENCH MARK

(17) Designation N 193 State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town About 4.6 miles north  
Character of mark A bronze disk Stamping N 193 1946  
Established by U.S.C. & G.S.  
Detailed description About 4.6 miles north along the New York Central Railroad from the Station at Anderson, at an east-west gravel cross road, about 1 1/2 poles north of pole 160/35, 51 feet west of the west rail of the track, 32 feet north of the center line of the gravel road, 18.5 feet north of telephone pole 14, 17 feet north of a fence corner post, 1 foot east of the fence line, about level with the track, and set in the top of a concrete post projecting 5 inches.

## DESCRIPTION OF BENCH MARK

(20) Designation Q 193 State Indiana County Madison  
Nearest town Linwood County Madison  
Distance and direction from nearest town About 1.0 mile north  
Character of mark A bronze disk Stamping Q 193 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.0 mile north along the New York Central Railroad from the grain elevator at Linwood, about 4.0 miles south of the Station at Alexandria, at an east-west gravel road crossing, 37 feet west of the west rail of the track, 20 feet north of the center line of the gravel road, 1 1/2 poles south of pole 157/20, 9 feet north of a fence corner, 1.4 feet east of the fence line, about 4 feet below the track, and set in the top of a concrete post projecting 5 inches.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 5  
INDIAN  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 101

(CONT'D)

## DESCRIPTION OF BENCH MARK

(21) Designation R 193 State Indiana County Madison  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 3.2 miles south  
Character of mark A bronze disk Stamping R 193 1946  
Established by U.S.C. & G.S.  
Detailed description About 3.2 miles south along the New York Central Railroad from the Station at Alexandria, at the crossing of State Highway 128, about 1 pole south of pole 156/30, 47 feet east of the east rail of the track, 44 feet south of the center line of Highway 128, 10 feet southeast of a power pole along the highway, 9 feet south of a fence corner, 1.5 feet west of the fence line, about 2.5 feet below the track, and set in the top of a concrete post projecting 5 inches.

Form 6854  
(7-0-58)

DESTROYED

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## RECOVERY NOTE, BENCH MARK

R

Designation W 4 State Indiana County  
Nearest town Alexandria County  
Distance and direction from nearest town  
Character of mark  
Established by  
Present condition Destroyed  
Detailed report  
Chief of Party  
Recovery Date 9-28-62  
Stamping W 4 Elev. 864.855  
Ft.

This bench mark was destroyed, and has been returned to this office.

## ALEXANDRIA QUADRANGLE

## DESCRIPTION OF BENCH MARK

(22) Designation S 193 State Indiana County Madison  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 2.2 miles south  
Character of mark A bronze disk Stamping S 193 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.2 miles south along the New York Central Railroad from the Station at Alexandria, at an east-west gravel road crossing, 62 feet south of pole 155/30, 28 feet west of the west rail of the track, 26 feet north of the center line of the gravel road, 10 feet north of telephone pole 1936, 9 feet north of a fence corner, 1 foot east of the fence line, about level with the track, and set in the top of a concrete post projecting 5 inches.

## DESCRIPTION OF BENCH MARK

(24) Designation H 185 State Indiana County Madison  
Nearest town Alexandria County Madison  
Distance and direction from nearest town At Alexandria  
Character of mark A bronze disk Stamping H 185 1946  
Established by U.S.C. & G.S.  
Detailed description At Alexandria, about 0.9 mile northeast along the New York Central Railroad from the Station, at the crossing of State Highway 28, and in the southeast quarter of the intersection of State Highways 9 and 28, 2 poles south of pole 152/25, 194 feet east of the center line of State Highway 9, 34 feet east of the east rail, 38 feet south of the center line of highway 28, 9 feet south-southwest of an 8 inch concrete fence corner post, 2.5 feet west of the fence line, about level with the crossing, and set in the top of a concrete post projecting 6 inches.  
For additional bench marks in the vicinity of Alexandria, see "Windfall Area, Indiana--Line 4."

## DESCRIPTION OF BENCH MARK

(23) Designation T 193 State Indiana County Madison  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 1.2 miles south  
Character of mark A bronze disk Stamping T 193 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.2 miles south along the New York Central Railroad from the Station at Alexandria, at an east-west gravel road crossing, about 1 pole north of pole 154/35, 39 feet east of the east rail of the main track, 24 feet north of the center line of the gravel road, 8 feet north of a concrete fence corner post, 1 foot west of the fence line, about 1.5 feet below the track and set in the top of a concrete post projecting 5 inches.

## DESCRIPTION OF BENCH MARK

(25) ? Designation PAINTER State Indiana County Madison  
Nearest town Alexandria County Madison November 1948  
Distance and direction from nearest town About 0.4 mile east  
Character of mark A bronze triangulation disk (Station disk) Stamping PAINTER 1934  
Established by U.S.C. & G.S.  
Detailed description About 0.4 mile east along State Highway 28 from its intersection with State Highway 9 at the northeast part of Alexandria, at the southeast corner of a cultivated field, and a barn on the north side of the highway, 48.5 feet north of the center line of the highway, 46 feet southwest of the southwest corner of the barn, 17 feet west of the barn yard fence, 24 feet northwest of an 8 inch wooden fence corner post, 21 feet northeast of power pole No. MA 30 41, and set in the top of a concrete post about 1 foot below the surface of the ground.

(SEE OVER)

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 6  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

## DESCRIPTION OF BENCH MARK

Designation PAINTER NO. 1 State Indiana County Madison  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 0.4 mile east  
Character of mark A triangulation reference disk Stamping PAINTER NO I 1934  
Established by U.S.C. & G.S.  
Detailed description About 0.4 mile east along State Highway 28 from its intersection with State Highway 9 at the northeast part of Alexandria, about 127 feet north-northeast of station PAINTER, 174 feet north of the center line of the highway, 70 feet north-northwest of the northwest corner of the barn, 0.5 foot west of a fence leading north, and set in the top of a concrete post projecting 10 inches.

## DESCRIPTION OF BENCH MARK

Designation PAINTER NO II State Indiana County Madison  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 0.4 mile east  
Character of mark A triangulation reference disk Stamping PAINTER NO II 1934  
Established by U.S.C. & G.S.  
Detailed description About 0.4 mile east along State Highway 28 from its intersection with State Highway 9 at the northeast part of Alexandria, about 129 feet southwest and across the highway from Station PAINTER, 175 feet southwest and across the highway from the southwest corner of the barn, 29 feet south of the center line of the highway, 75 feet north of a telephone pole, 0.5 foot north of the south right-of-way fence, about level with the highway, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation PAINTER (AZI.) State Indiana County Madison  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 0.75 miles east  
Character of mark A bronze triangulation reference disk Stamping PAINTER AZIMUTH 1934  
Established by U.S.C. & G.S.  
Detailed description About 0.75 miles east along State Highway 28 from its intersection with State Highway 9 at the northeast part of Alexandria, 118 feet northeast of the northeast corner of the east one of two bungalow houses, 28 feet south of the center line of the highway, 41 feet east of an 8 inch concrete fence corner post, 2 feet north of the south right-of-way fence line, 3 feet northwest of telephone pole No.26, about 0.5 foot above the highway, and set in the top of a concrete post projecting 8 inches.

## DESCRIPTION OF BENCH MARK

Designation G 185 State Indiana County Madison  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 2.0 miles north  
Character of mark A bronze disk Stamping G 185 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.0 miles north along the New York Central Railroad from the Station at Alexandria, about 2 poles south of pole 151/20, set in the northeast quarter of a gravel road crossing, 101 feet northwest and across the road from the northwest corner of a two story farm house, 34 feet east of the east rail, 27 feet north of the center line of the road, 4.5 feet northwest of a fence corner, 3.5 feet west of the fence line, about level with the crossing, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation F 185 State Indiana County Madison  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 2.7 miles north  
Character of mark A bronze disk Stamping F 185 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.7 miles north along the New York Central Railroad from the Station at Alexandria, about 2.85 miles south of the Station at Summitville, 1 1/2 poles north of pole 150/35, set in the top of the north end of the west concrete head wall of bridge No. 401, 6.5 feet west of the west rail, 1 foot south of the north end of the head wall, and about level with the track.

## DESCRIPTION OF BENCH MARK

Designation E 185 State Indiana County Madison  
Nearest town Summitville County Madison  
Distance and direction from nearest town About 2.05 miles south  
Character of mark A bronze disk Stamping E 185 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.05 miles south along the New York Central Railroad from the Station at Summitville, set in the southeast quarter of a black top road crossing, 117 feet east and across the road and track from mile post 150, 35 feet southeast of the southeast rail, 33 feet east of the center line of the north-south black top road, 3.5 feet south of a power line brace pole, 3 feet southwest of a 10 inch concrete fence corner post, about level with the crossing and set in the top of a concrete post projecting 6 inches.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 7  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 101

(30)

## DESCRIPTION OF BENCH MARK

Designation D 185 State Indiana County Madison  
Nearest town Summitville County Madison  
Distance and direction from nearest town About 1.4 miles south  
Character of mark A bronze disk Stamping D 185 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.4 miles south along the New York Central Railroad from the Station at Summitville, about 100 yards south of culvert 396, set in the southwest quarter of a gravel road crossing, 52 feet north of the 3rd pole south of pole 149/15, 27.5 feet west of the west rail, 19 feet south of the center line of the gravel road, 3 feet east of a 6 inch concrete fence corner post, about 1 foot below the crossing, and set in the top of a concrete post projecting 6 inches.

NOT RECOVERED

## REPORT ON CONDITION OF BENCH MARK

R

Designation Z 4 State Indiana County Madison  
Nearest town Summitville County Madison  
Distance and direction from nearest town At Summitville  
Character of mark A bronze disk Stamping  
Established by U.S.C. & G.S.  
Present condition Not recovered  
Detailed Report Mark was thoroughly searched for but was not recovered.

## ORIGINAL DESCRIPTION

At Summitville, Madison County, 0.5 mile north along the New York Central Railroad from the station, about 575 feet north of a street crossing, at the point where a highway leaves the track, on the east side of the track, at the east end of a jog in the right-of-way fence, and at the fence corner. A standard disk, stamped "ELEV 879.536 FT Z 4" and set in the top of a concrete post projecting 11 inches above ground.

(31)

## REPORT ON CONDITION OF BENCH MARK

R

Designation Y 4 State Indiana County Madison  
Nearest town Summitville County Madison  
Distance and direction from nearest town At Summitville  
Character of mark A chiseled square Stamping  
Established by U.S.C. & G.S.  
Present condition Good  
Detailed Report Recovered as described; The building is now the Three Pigs Cafe.

At Summitville, Madison County, at the building formerly occupied by the Summitville Bank, and on the north end of the doorsill. An outlined square.

(33)

## DESCRIPTION OF BENCH MARK

Designation J 185 State Indiana County Madison  
Nearest town Summitville County Madison  
Distance and direction from nearest town About 1.2 miles north  
Character of mark A bronze disk Stamping J 185 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.2 miles north along the New York Central Railroad from the Station at Summitville, about 100 yards north of a private road crossing, set in the top of the west end of the north concrete abutment of a 6 foot concrete bridge, 95 feet southwest and across the track from a "W" sign post, 10 feet west of the west rail, 1 foot west of the head wall of the bridge, about 2 feet below the track. "W" post means whistle post.

(32)

## DESCRIPTION OF BENCH MARK

Designation C 185 State Indiana County Madison  
Nearest town Summitville County Madison  
Distance and direction from nearest town At Summitville  
Character of mark A bronze disk Stamping C 185 1946  
Established by U.S.C. & G.S.  
Detailed description At Summitville, along the New York Central Railroad, about 140 feet north of the north end of the Station, set in the top of the southeast corner of the concrete foundation of the southeast pier of the Railroad water tower, about 3 feet below the track.

(34)

## DESCRIPTION OF BENCH MARK

Designation K 185 State Indiana County Madison  
Nearest town Summitville County Madison  
Distance and direction from nearest town About 1.65 miles north  
Character of mark A bronze disk Stamping K 185 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.65 miles north along the New York Central Railroad from the Station at Summitville, set in the southeast quarter of a gravel road crossing, about 1.0 mile south of the Madison-Grant County line, 81 feet east of the east rail, 83 feet northeast and across a gravel road paralleling the track from railroad culvert No. 387A, 43 feet east of the center line of the gravel road leading south, 18 feet south of the center line of the east-west gravel road, 3 feet east of telephone pole 907, 1 foot north of a fence line, about 1 foot below the crossing, and set in the top of a concrete post projecting 6 inches.

OBSERVED IN GOOD CONDITION  
AUGUST 1990

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 8  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNGIE NK 16-12

## FAIRMOUNT QUADRANGLE

## DESCRIPTION OF BENCH MARK

Designation L 185 State Indiana County Grant  
Nearest town Summitville County Madison  
Distance and direction from nearest town About 2.65 miles north  
Character of mark A bronze disk Stamping L 185 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.65 miles north along the New York Central Railroad from the Station at Summitville, about 2.6 miles south of the Station at Fairmount, set in the northeast quarter of the Madison-Grant County Line road crossing, 43 feet east of the east rail, 25 feet north of the center line of the road, 4 feet north of telephone pole 961, 3 feet north-northwest of a 6 inch concrete fence corner post, 1 foot west of the fence line, about 3 feet below the crossing, and set in the top of a concrete post projecting 6 inches.

## REPORT ON CONDITION OF BENCH MARK

Designation B 5 State Indiana County Grant  
Nearest town Fairmount County Grant  
Distance and direction from nearest town At Fairmount  
Character of mark A chiseled square  
Established by U.S.C. & G.S.  
Present condition Good  
Detailed Report Recovered as follows: At Fairmount at the Public School Building, a chiseled square on the top stone step of the south entrance to the school, on the southwest corner of the step, 0.4 foot east of the wall at the entrance.  
Note: This description does not fit the old description in that it is not the same entrance or the same end of the step. There were no other marks that looked like a chiseled square and this one checked the elevation on the re-leveled line Anderson to Warsaw. The above mentioned chiseled square is extremely faint and there is much doubt as to whether it is the original mark or not, or as to whether the same point would be recovered again. I would recommend that the mark be disregarded in computations and future publications.

## DESCRIPTION OF BENCH MARK

Designation M 185 State Indiana County Grant  
Nearest town Fairmount County Grant  
Distance and direction from nearest town About 1.6 miles south  
Character of mark A bronze disk Stamping M 185 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.6 miles south along the New York Central Railroad from the Station at Fairmount, set in the southeast quarter of a gravel road crossing, 92 feet southeast and across the track from pole 144/15, 43 feet east of the east rail, 21 feet south of the center line of the road, 7 feet south of the fence corner post, 1 foot west of the right-of-way fence, 8 feet southwest of power pole No. IGS/GR10528, about 3 feet below the crossing, and set in the top of a concrete post projecting 6 in.

## REPORT ON CONDITION OF BENCH MARK

Designation C 5 State Indiana County Grant  
Nearest town Fairmount County Grant  
Distance and direction from nearest town About 0.6 mile north  
Character of mark A bronze disk Stamping C ELEV 867. 92FT  
Established by U.S.C. & G.S.  
Present condition Good  
Detailed Report About 0.6 mile north along the New York Central Railroad from the Station at Fairmount, about 0.15 mile north of the Snyder canning factory, set in the northeast quarter of the crossing of State Highway 26, 99 feet east southeast and across the track from pole 142/15, 92 feet north of the center line of the highway, 42 feet east of the east rail of the main track, 48 feet north of a 4 inch concrete fence corner post, 3.5 feet west of the XXXX fence line, about 1 foot below the crossing, and set in the top of a stone post projecting 8 inches. (\*) the disk has been beaten and the number 5 in the designation and the 8 in the elevation are no longer legible.

## DESCRIPTION OF BENCH MARK

Designation N 185 State Indiana County Grant  
Nearest town Fairmount County Grant  
Distance and direction from nearest town About 0.6 mile south  
Character of mark A bronze disk Stamping N 185 1946  
Established by U.S.C. & G.S.  
Detailed description About 0.6 mile south along the New York Central Railroad from the Station at Fairmount, set in the southwest quarter of a black top road crossing, 39 feet south of the center line of the road, 27 feet west of the west rail, 26 feet southeast of a 6 inch concrete fence corner post, 6 feet north of pole 143/15 and in line with the row of poles, about 0.5 foot below the crossing, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation P 185 State Indiana County Grant  
Nearest town Fairmount County Grant  
Distance and direction from nearest town About 1.65 miles north  
Character of mark A bronze disk Stamping P 185 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.65 miles north along the New York Central Railroad from the Station at Fairmount, set in the southeast quarter of a gravel road crossing and in the southwest angle of a "T" road leading south, 40 feet east of the east rail, 53 feet west of the center line of the gravel road leading south, 20 feet south of the center line of the east-west gravel road, 4 feet south of power pole IGS GR 140-83207, 4 feet west of a 6 inch concrete right-of-way marker, about 2 feet below the crossing, and set in the top of a concrete post projecting 6 in.

APRIL 1971

U.S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

400853 PAGE NO. 9  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12  
LINE 101

## DESCRIPTION OF BENCH MARK

Designation Q 185 State Indiana County Grant  
Nearest town Fairmount County Grant  
Distance and direction from nearest town About 2.7 miles north  
Character of mark A bronze disk Stamping Q 185 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.7 miles north along the New York Central Railroad from the Station at Fairmount, set in the northeast quarter of a gravel road crossing set in the top of the north end of the east head wall of a 3 foot steel pipe culvert, 18 feet southeast and across the track from pole 140/10, 28 feet north of the center line of the road, 12 feet east of the east rail, about 4 feet below the track, and set in a drill hole.  
Note: Mark is about 1.9 miles south of the Station at Jonesboro

## DESCRIPTION OF BENCH MARK

Designation R 185 State Indiana County Grant  
Nearest town Jonesboro County Grant  
Distance and direction from nearest town About 0.9 mile south  
Character of mark A bronze disk Stamping R 185 1946  
Established by U.S.C. & G.S.  
Detailed description About 0.9 mile south along the New York Central Railroad from the Station at Jonesboro, set in the northwest quarter of a gravel road crossing, 27 feet west of the west rail, 24 feet north of the center line of the gravel road, 24 feet northeast of a 6 inch concrete fence corner post, 4 feet south of second pole north of pole No. 139/10, and in line with the row of poles, about 3 feet below the crossing and set in the top of a concrete post projecting 6 inches.

## REPORT ON CONDITION OF BENCH MARK

Designation D 5 State Indiana County Grant  
Nearest town Jonesboro County Grant  
Distance and direction from nearest town At Jonesboro November 1946  
Character of mark A chiseled square Stamping  
Established by U.S.C. & G.S.  
Present condition Good  
Detailed Report At Jonesboro, at the high school set on the top of the south end of the bottom limestone window sill of the first window south of the west entrance, and about 0.4 foot above the side walk.

## REPORT ON CONDITION OF BENCH MARK

Designation E 5 State Indiana County Grant  
Nearest town Jonesboro County Grant  
Distance and direction from nearest town At Jonesboro November 1946  
Character of mark A bronze disk Stamping ESELEY 857.078 FT  
Established by U.S.C. & G.S.  
Present condition Good  
Detailed Report At Jonesboro, along the New York Central Railroad about 0.4 mile north of the Station, about 200 yards west of the High School, along the west right-of-way fence of the Railroad, 44 feet west of the west rail of the main track, 34 feet southwest of a relay switch box, 9 feet east of power pole GR 73 A163, 17 feet west of pole 138/30, about level with the track, and set in the top of a stone post projecting 16 inches.

## DESCRIPTION OF BENCH MARK

Designation S 185 State Indiana County Grant  
Nearest town Jonesboro County Grant  
Distance and direction from nearest town About 0.6 mile north  
Character of mark A bronze disk Stamping S 185 1946  
Established by U.S.C. & G.S.  
Detailed description About 0.6 mile north along the New York Central Railroad from the Station at Jonesboro, at the junction of a side track leading to the Parante Cable and Wire Company, across the track from the first pole north of pole 137/30, 52 feet east of the east rail of the main track, 35 feet northeast of the northeast rail of the side track, 31 feet northeast of the side track switch lock, 5 feet north of power pole No. 103 GR 62A1 11, and at the southwest corner of a garden, about level with the tracks and set in the top of a concrete post projecting 6 inches.

THE LINE LEAVES AND RE-ENTERS THE QUADRANGLE AS  
SECOND ORDER

## SPUR LINE TO MARION AIRPORT

DESIGNATION Y 174 STATE Indiana COUNTY Grant R  
NEAREST TOWN Marion COUNTY Grant CHIEF OF PARTY D. B. Ankeny  
DISTANCE AND DIRECTION FROM NEAREST TOWN Approximately 4.4 miles south RECOVERY DATE August 1968  
CHARACTER OF MARK Standard bronze disk STAMPING Y 174 1946  
ESTABLISHED BY USC&GS PRESENT CONDITION Good  
DETAILED REPORT

About 1.0 mile south along State Route #9 from its intersection with State Route #37 on the southwest side of Marion, Indiana. The mark is just south of the drive leading into the Civil Air Patrol Building (the old Airport Terminal Building) 96 feet south of the driveway, 60 feet west of the center line of the highway, 2.8 feet north of the southeast fence corner of the old fence around the airport, 1 foot east of the fence line, about level with the highway and set in concrete post projecting 6 inches.

DESIGNATION Z 174 STATE Indiana COUNTY Grant R  
NEAREST TOWN Marion COUNTY Grant CHIEF OF PARTY D. B. Ankeny  
DISTANCE AND DIRECTION FROM NEAREST TOWN Approximately 4.4 miles south RECOVERY DATE August 1968  
CHARACTER OF MARK Standard bronze disk STAMPING Z 174 1946  
ESTABLISHED BY USC&GS PRESENT CONDITION Good  
DETAILED REPORT

The mark is 1.0 mile south along State Route #9 from its intersection with State Route #37 on the southwest side of Marion, Indiana. Set vertically in the south face of concrete foundation of south wall of the northerly of two T-Hangers west of the Civil Air Patrol Building (old Airport Terminal Building), 45 feet east of the southwest corner, 44 feet west of the southeast corner of the hanger and 0.7 feet above the ground.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 10  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

N/A

|                                          |                               |                   |             |                |             |   |
|------------------------------------------|-------------------------------|-------------------|-------------|----------------|-------------|---|
| DESIGNATION                              | A 175                         | STATE             | Indiana     | COUNTY         | Grant       | R |
| NEAREST TOWN                             | Marion                        | COUNTY            | Grant       | CHIEF OF PARTY | D. R. Ankne |   |
| DISTANCE AND DIRECTION FROM NEAREST TOWN | Approximately 4.4 miles south | RECOVERY DATE     | August 1968 |                |             |   |
| CHARACTER OF MARK                        | Standard bronze disk          | STAMPING          | A 175 1946  |                |             |   |
| ESTABLISHED BY                           | USC&GS                        | PRESENT CONDITION | Good        |                |             |   |

DETAILED REPORT  
The mark is 1.0 mile south along State Route #9 from its intersection with State Route #37 on the southwest side of Marion, Indiana. The mark is set vertically in the west face of the concrete foundation of razed old north hanger, 0.4 feet north of southwest corner of foundation, approximately 215 feet northwest of northwest corner of the Civil Air Patrol Building (the old airport terminal building), approximately 220 feet west of the west edge of State Route #9 and flush with the ground.

END OF THE SPUR LINE

LINE 102  
LAPEL QUADRANGLE

## RECOVERY NOTE, BENCH MARK

R

DESIGNED  
Designation F 194  
Nearest town Fisherburg  
Distance and direction from nearest town 0.45 miles north  
Character of mark Bronze disk  
Also horizontal control point ☐  
Detailed report:  
Post broken off.

State Indiana  
Described in  
Established by USC&GS  
Present condition DESTROYED

County Hamilton  
Chief of party USGS  
Recovery date Sept. 1966  
Stamping F 194 1946

## DESCRIPTION OF BENCH MARK

(46)  
Designation G 194  
Nearest town Fisherburg  
Distance and direction from nearest town About 1.45 miles north  
Character of mark A bronze disk  
Established by U.S.C. & G.S.  
Detailed description About 1.45 miles north along State Highway 13 from the junction of State Highways 32 & 132 at Fisherburg, at an east-west gravel cross road, 29 feet east of the center line of the highway, 28 feet north of the center line of the gravel road, 13 feet north of a fence corner, 12 feet north of a telephone pole, 1 foot west of the fence line, about level with the highway, and set in the top of a concrete post projecting 6 inches.

State Indiana  
County Madison  
Stamping G 194 1946

## DESCRIPTION OF BENCH MARK

(47)  
Designation H 194  
Nearest town Fisherburg  
Distance and direction from nearest town About 2.5 miles north  
Character of mark A bronze disk  
Established by U.S.C. & G.S.  
Detailed description About 2.5 miles north along State Highway 13 from the junction of State Highways 32 & 132 at Fisherburg, about 2.75 miles south along Highway 13 from the concrete bridge over West Fork White River, at a gravel cross road, 31 feet west of the center line of the highway, 28 feet north of the center line of the gravel road, 13 feet north of a fence corner, 13 feet north of power pole 63/214, 1 foot east of the fence line, about level with the highway, and set in the top of a concrete post projecting 6 inches.

State Indiana  
County Madison  
Stamping H 194 1946

County Hamilton

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 11  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 102

## DESCRIPTION OF BENCH MARK

Designation J 194 State Indiana County Madison  
Nearest town Fishersburg County Madison  
Distance and direction from nearest town About 3.55 miles north  
Character of mark A bronze disk Stamping J 194 1946  
Established by U.S.C. & G.S.

Detailed description About 3.55 miles north along State Highway 13 from the junction of State Highways 32 & 132 at Fishersburg, about 1.7 miles south of the concrete bridge over West Fork White River at Perkinsville, Madison County, set in the northeast angle of an east-west gravel cross road, 31 feet east of the center line of the highway, 29 feet north of the center line of the gravel road, 4.5 feet south of a telephone pole, 10.5 feet north of a fence corner, 1 foot west of the fence line, about 1 foot above the highway, and set in the top of a concrete post projecting 6 inches.

## FRANKTON QUADRANGLE

## DESCRIPTION OF BENCH MARK

Designation L 194 State Indiana County Hamilton  
Nearest town Perkinsville County Madison  
Distance and direction from nearest town About 1.2 miles south  
Character of mark A bronze disk Stamping L 194 1946  
Established by U.S.C. & G.S.

Detailed description About 1.2 miles south along State Highway 13 from the concrete bridge over West Fork White River at Perkinsville, about 0.1 mile north of the God's Acre farm, set in the top of the east end of the northwest wing wall of a 20 foot concrete bridge over a ditch, 16.5 feet west of and about level with the center line of the highway.

NOT RECOVERED February 1962 USGS Report.

## DESCRIPTION OF BENCH MARK

Designation M 194 State Indiana County Hamilton  
Nearest town Perkinsville County Madison  
Distance and direction from nearest town About 0.3 mile south  
Character of mark A bronze disk Stamping M 194 1946  
Established by U.S.C. & G.S.

Detailed description About 0.3 mile south along State Highway 13 from the concrete bridge over West Fork White River at Perkinsville, at a cross road (black top leading east, and gravel road leading west), 27 feet west of the center line of the highway, 28 feet south of the center line of the gravel road, 58.5 feet north of a telephone pole, 9 feet south of a fence corner, 1 foot east of the fence line, about 1 foot above the highway, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation N 194 RESET 1965 State Indiana County Hamilton  
Nearest town Perkinsville County  
Distance and direction from nearest town At Perkinsville  
Character of mark C&GS Bench Mark disk  
Established by Indiana State Highway Comm.  
Stamping N 194 RESET 1965  
Detailed description

At Perkinsville, 21 feet west of the center line of State Highway 13, about 1 foot above the level of the road, and set in the top of the northwestern most corner of the northwestern most wingwall of bridge over the White River.

## DESCRIPTION OF BENCH MARK

Designation P 194 RESET 1965 State Indiana County Hamilton  
Nearest town Perkinsville County  
Distance and direction from nearest town 0.95 miles north  
Character of mark C&GS Bench Mark disk  
Established by Indiana State Highway Comm.  
Stamping P 194 RESET 1965  
Detailed description

About 0.95 mile north along State Highway 13 from the bridge over West Fork White River at Perkinsville, about 0.5 mile south of the junction of State Highway 37, at the junction of a blacktop road leading west, 20 feet west of the center line of State Highway 13, about 1 foot above the level of the road, and set in the north end of a wingwall.

## DESCRIPTION OF BENCH MARK

Designation Q 194 State Indiana County Hamilton  
Nearest town Perkinsville County Madison  
Distance and direction from nearest town About 1.45 miles north  
Character of mark A bronze disk Stamping Q 194 1946  
Established by U.S.C. & G.S.

Detailed description About 1.45 miles north along State Highway 13 from the bridge over West Fork White River at Perkinsville, at the junction of State Highway 37, and an east-west gravel road, 50 feet west of the center line of the paved highway (37 & 13), 22 feet north of the center line of the gravel road, 7.5 feet north of a pipe fence corner post, 1 foot east of the fence line, about 1.5 feet above the highway, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation E 194 State Indiana County Madison  
Nearest town Perkinsville County Madison  
Distance and direction from nearest town About 2.5 miles north  
Character of mark A bronze disk Stamping E 194 1946  
Established by U.S.C. & G.S.

Detailed description About 2.5 miles north along State Highway 13 from the West Fork White River bridge at Perkinsville, at an east-west gravel cross road, 61 feet east of the center line of the highway, 26 feet south of the center line of the gravel road, 15 feet southwest of a fence corner post, 17 feet northeast of a fence corner post, 1 foot northwest of the fence line, about 2.5 feet below the highway, and set in the top of a concrete post projecting 6 inches.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 12  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

## 55 DESCRIPTION OF BENCH MARK

Designation R 194 State Indiana County Madison  
Nearest town Perkinsville County Madison  
Distance and direction from nearest town About 3.5 miles north  
Character of mark A bronze disk Stamping R 194 1946  
Established by U.S.C. & G.S.  
Detailed description About 3.5 miles north along State Highway 13 from the concrete bridge over West Fork White River at Perkinsville, at an east-west gravel cross road, 0.5 mile south of a black top road leading west to Aroma, 50 feet east of the center line of the highway, 49 feet north of the center line of the gravel road, 44 feet south of a telephone pole, 7 feet north of a round concrete fence corner post, 1 foot west of the fence line, about 1.5 feet above the highway, and set in the top of a concrete post projecting 5 inches.

## 58 DESCRIPTION OF BENCH MARK

Designation U 194 State Indiana County Madison  
Nearest town Elwood County Madison  
Distance and direction from nearest town About 5.7 miles southeast  
Character of mark A bronze disk Stamping U 194 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.6 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, thence about 4.1 miles south along State Highway 37, 204 feet south of the center line of a gravel cross road, 36 feet east of the center line of the highway, and set in the top of the south end of the east head wall of a 2 by 3 foot concrete culvert, and about 3 feet below the highway.

## 56 DESCRIPTION OF BENCH MARK

Designation S 194 State Indiana County Madison  
Nearest town Perkinsville County Madison  
Distance and direction from nearest town About 4.5 miles north  
Character of mark A bronze disk Stamping S 194 1946  
Established by U.S.C. & G.S.  
Detailed description About 4.5 miles north along State Highway 13 from the concrete bridge over West Fork White River at Perkinsville, 0.5 mile north of a black top road leading west to Aroma, set in the southeast angle of the "T" junction of a gravel road leading east, 49 feet east of the center line of the highway, 54 feet south of the center line of the side road, 20 feet south of a concrete fence corner post, 1 foot west of the fence line, about level with the highway, and set in the top of a concrete post projecting 6 inches.

## 59 DESCRIPTION OF BENCH MARK

Designation V 194 State Indiana County Madison  
Nearest town Elwood County Madison  
Distance and direction from nearest town About 6.5 miles southeast  
Character of mark A bronze disk Stamping V 194 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.6 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, thence about 4.1 miles south along State Highway 37, thence about 0.8 mile east along a gravel county road; at the intersection of a north-south black top road, 36 feet west of the center line of the black top road, 18 feet north of the center line of the gravel road, 17 feet west of a fence corner, 13 feet west of a telephone pole, 1 foot south of a fence line, about 0.5 foot below the intersection, and set in the top of a concrete post projecting 6 inches.

## 60 DESCRIPTION OF BENCH MARK

Designation T 194 State Indiana County Hamilton  
Nearest town Perkinsville County Madison  
Distance and direction from nearest town About 5.4 miles north  
Character of mark A bronze disk Stamping T 194 1946  
Established by U.S.C. & G.S.  
Detailed description About 5.4 miles north along State Highway 13 from the concrete bridge over West Fork White River at Perkinsville, at the junction of State Highway 128 leading east and a paved road leading west, 55 feet west of the center line of the highway, 52 feet south of the center line of the paved road, 54 feet southeast of the southeast corner of a concrete bridge under the paved road, 12 feet east of a telephone pole, 1 foot below the highway, and set in the top of a concrete post projecting 6 inches.  
Note: Mark may be reached from Elwood by going about 1.6 miles east along State Highway 28 from its intersection with State Highway 13, thence about 5.15 miles south along State Highway 37.

## 61 RECOVERY NOTE, BENCH MARK

R

Designation FRANKTON RM 1 State Indiana County Madison  
Nearest town Elwood Described in Chief of party J. L. Cook  
Distance and direction from nearest town 3 miles southeast of Elwood Recovery date 1970  
Character of mark Reference mark disk Established by U.S.C. & G.S. Stamping FRANKTON NO 1 1934  
Also horizontal control point [X] Present condition Good  
Detailed report: To reach the mark from the post office in Elwood, go south on State Highway 13 for 2.0 miles to the junction of State Highway 37, continue south on 900 W Road for 1.0 mile to a crossroad, turn left and go east on 900 N Road for 0.9 mile to a farm lane on the left, turn left and go north on the farm lane for 0.2 mile to the mark on the right. The mark is 162 feet south of a metal witness post and 0.5 foot east of a north-south fence line. It is set in the top of a 10-inch square concrete monument which projects 1-inch.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 13  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 102

## RECOVERY NOTE, BENCH MARK

Designation FRANKTON  
Nearest town Elwood  
Distance and direction from nearest town 3 miles southeast of Elwood  
Character of mark Triangulation station  
Also horizontal control point ☒  
Established by U.S.C.&G.S. Stamping FRANKTON 1934  
Present condition Good  
Detailed report: To reach the mark from the post office in Elwood, go south on State Highway 13 for 2.0 miles to the junction of State Highway 37, continue south on 900 W Road for 1.0 mile to a crossroad, turn left and go east on 900 N Road for 0.9 mile to a farm lane on the left, turn left and go north on farm lane for 0.4 mile to the mark on the right. The mark is 181 feet east of the center of the farm lane, 104 feet southeast of the southeast corner of a large red barn and 19.8 feet west of a metal witness post set in a north-south fence line. It is set in the top of a 12-inch cylindrical concrete monument which is 10 inches underground.

R

## RECOVERY NOTE, BENCH MARK

Designation FRANKTON (AZI)  
Nearest town Elwood  
Distance and direction from nearest town 3 miles southeast of Elwood  
Character of mark Reference mark disk  
Also horizontal control point ☒  
Established by U.S.C.&G.S. Stamping FRANKTON AZIMUTH 1934  
Present condition Good  
Detailed report: To reach the mark from the post office in Elwood, go south on State Highway 13 for 2.0 miles to the junction of State Highway 37, continue south on 900 W Road for 1.0 mile to a crossroad, turn left and go east on 900 N Road for 1.05 miles to a crossroad and the mark in the northwest angle of intersection. The mark is 28 feet northwest of the center of the intersection, 4 feet west of the corner post of a wire fence and 1-foot north of an east-west wire fence. It is set in the top of a 12-inch cylindrical concrete monument which projects 10 inches.

R

## RECOVERY NOTE, BENCH MARK

Designation FRANKTON RM 2  
Nearest town Elwood  
Distance and direction from nearest town 3 miles southeast of Elwood  
Character of mark Reference mark disk  
Also horizontal control point ☒  
Established by U.S.C.&G.S. Stamping FRANKTON NO 2 1934  
Present condition Destroyed  
Detailed report: The property owner requested the mark be removed from his pasture. The mark was destroyed at this time.

R

## DESCRIPTION OF BENCH MARK

Designation W 194  
Nearest town Elwood  
Distance and direction from nearest town About 4.8 miles southeast  
Character of mark A bronze disk  
Established by U.S.C.&G.S.  
Detailed description About 1.6 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, thence about 3.2 miles south along State Highway 37, about 0.45 mile southwest of the "Y" junction of State Highway 13 leading north to Elwood, 0.1 mile northeast of a brick house on the northwest side of the highway, across highway from a large double billboard sign, 33 feet northwest of the center line of the highway, and set in the top of the northeast end of the northwest head wall of a 3 by 3 foot concrete culvert, and about 5 feet below the highway.

## DESCRIPTION OF BENCH MARK

Designation FRANKTON RM 3  
Nearest town Elwood  
Distance and direction from nearest town 3 miles southeast of Elwood  
Character of mark Reference mark disk  
Established by U.S.C.&G.S.  
Detailed description To reach the mark from the post office in Elwood, go south on State Highway 13 for 2.0 miles to the junction of State Highway 37, continue south on 900 W Road for 1.0 mile to a crossroad, turn left and go east on 900 N Road for 0.9 mile to a farm lane on the left, turn left and go north on the farm lane for 0.2 mile to the mark on the right. The mark is 105 feet east of the center of the farm lane and 3.5 feet west of the southeast corner of a large red barn. It is set in the top of a 12-inch cylindrical concrete monument which is flush with the ground.  
A Wye level connection was made from FRANKTON 1934 to FRANKTON RM 3.

63

## DESCRIPTION OF BENCH MARK

Designation X 194  
Nearest town Elwood  
Distance and direction from nearest town About 4.15 miles southeast  
Character of mark A bronze disk  
Established by U.S.C.&G.S.  
Detailed description About 1.6 miles east along State highway 28 from its intersection with State Highway 13 at Elwood, thence about 2.55 miles south along State Highway 37, about 0.2 mile northeast of the "Y" junction of State Highway 13 leading north to Elwood, at the southwest corner of the Elwood Airport, 49 feet southeast of the center line of the highway, 96 feet southwest of the center line of the southwest entrance to the Airport (Not Main entrance), 1 foot northwest of a fence line and set in the top of a concrete post projecting 6 inches.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 14  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

## ELWOOD QUADRANGLE

## DESCRIPTION OF BENCH MARK

Designation Y 194 State Indiana County Madison  
Nearest town Elwood County Madison  
Distance and direction from nearest town About 4.15 miles southeast  
Character of mark A bronze disk Stamping Y 194 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.6 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, thence about 2.55 miles south along State Highway 37; at the Elwood Airport, set vertically in the northwest face of the concrete foundation of the hanger, 0.7 foot northeast of the southwest corner, and 1 foot above the ground.

## DESCRIPTION OF BENCH MARK

Designation B 195 State Indiana County Madison  
Nearest town Elwood County Madison  
Distance and direction from nearest town About 2.5 miles northeast  
Character of mark A bronze disk Stamping B 195 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.6 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, thence about 0.9 mile northeast along State Highway 37; set in the top of the northeast end of the southeast head wall of a 20 foot concrete culvert over a creek, 24 feet southeast of and about level with the center line of the highway.

## DESCRIPTION OF BENCH MARK

Designation Z 194 State Indiana County Madison  
Nearest town Elwood County Madison  
Distance and direction from nearest town About 3.7 miles southeast  
Character of mark A bronze disk Stamping Z 194 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.6 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, thence about 2.1 miles southwest along State Highway 37; at the northeast corner of the Elwood Airport, about 0.45 mile north of the entrance to the airport, 50 feet southeast of the center line of the highway, 2.5 feet northeast of the fence corner, 1 foot northwest of the fence line, and set in the top of a concrete post projecting 5 inches, about 2.5 feet above the highway.

## DESCRIPTION OF BENCH MARK

Designation C 195 State Indiana County Madison  
Nearest town Elwood County Madison  
Distance and direction from nearest town About 3.45 miles northeast  
Character of mark A bronze disk Stamping C 195 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.6 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, thence about 1.85 miles northeast along State Highway 37; set in the "T" formed by the junction of a gravel road leading south, and a curve in the highway with tangents extending north and southwest, 45 feet southeast of the center line of the highway at the approximate center of the curve, 70 feet west of the center line of the gravel road, 68 feet northwest of power pole No. MA 19101, about 2 feet below the highway, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation A 195 State Indiana County Madison  
Nearest town Elwood County Madison  
Distance and direction from nearest town About 2.8 miles southeast  
Character of mark A bronze disk Stamping A 195 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.6 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, thence about 1.2 miles southwest along State Highway 37; 0.2 miles northeast of the crossing of the Pennsylvania Railroad, at the intersection of an east-west paved road, 106 feet north of the center line of the paved road, 50 feet northwest of the center line of the highway, 11 feet north east of a fence corner, 13 feet northeast of telephone pole 121/2, about 2 feet above the highway, and set in the top of a concrete post projecting 5 inches.

## DESCRIPTION OF BENCH MARK

Designation MAD G2 (I.H. Comm) State Indiana County Madison  
Nearest town Elwood County Madison November 1946  
Distance and direction from nearest town About 4.05 miles northeast  
Character of mark An Ind. Highway Commission Survey disk Stamping MAD G2  
Established by Indiana Highway Commission  
Detailed description About 1.6 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, thence about 2.45 miles northeast along State Highway 37; about 0.2 mile south of a gravel road crossing, set in the top of the west end of the southeast wing wall of a 20 foot concrete culvert over a ditch, 168 feet north of the center line of a drive leading to the Delbert Cochran Farm, 24 feet east of and about 1 foot below the center line of the highway.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 15  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 102

(CONT'D)

## DESCRIPTION OF BENCH MARK

Designation D 195 State Indiana County Madison  
Nearest town Elwood  
Distance and direction from nearest town About 5.25 miles northeast  
Character of mark A bronze disk Stamping D 195 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.6 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, thence about 3.65 miles northeast along State Highway 37; about 0.55 miles south of the Union Valley Christian Church, at an east-west gravel road crossing, 50 feet west of the center line of highway 37, 72 feet south of the center line of the cross road, 11 feet northwest of power pole 19 126, 9 feet south of a fence corner, about 2.5 feet below the highway, and set in the top of a concrete post projecting 6 inches.  
Notes: Mark may be reached from the Methodist Church at Rigdon by going about 4.05 miles south along State Highway 37.

## DESCRIPTION OF BENCH MARK

Designation F 195 State Indiana County Madison  
Nearest town Rigdon  
Distance and direction from nearest town About 1.4 miles south  
Character of mark A bronze disk Stamping F 195 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.4 miles south along State Highway 37 from the Methodist Church at Rigdon, at the junction of a gravel road leading east, 46 feet north of the center line of the prolonged road east, 51 feet south of the entrance to the Michael Meyer Farm, 24 feet west of the center line of the highway, and set in the top of the north end of the west head wall of a 10 by 3 foot concrete box culvert about 1 foot below the highway.

## DESCRIPTION OF BENCH MARK

Designation E 195 State Indiana County Madison  
Nearest town Rigdon  
Distance and direction from nearest town About 3.25 miles south  
Character of mark A bronze disk Stamping E 195 1946  
Established by U.S.C. & G.S.  
Detailed description About 3.25 miles south along State Highway 37 from the Methodist Church at Rigdon, about 0.25 mile north of the Union Valley Christian Church, 0.2 mile south of a gravel cross road, set in the top of the west end of the north-east wing wall of a 32 foot concrete bridge over a creek, 22 feet east of and about 1 foot below the center line of the highway.

## DESCRIPTION OF BENCH MARK

Designation G 195 State Indiana County Madison  
Nearest town Rigdon  
Distance and direction from nearest town About 0.95 mile south  
Character of mark A bronze disk Stamping G 195 1946  
Established by U.S.C. & G.S.  
Detailed description About 0.95 miles south along State Highway 37 from the Methodist Church at Rigdon, at an east-west gravel cross road, 80 feet west of the center line of the highway, 27 feet south of the center line of the cross road, 14 feet southeast of a 6 inch concrete filled iron pipe fence corner post, 14 feet southeast of power pole MA 3 85, 1.3 feet northeast of the fence line, about 1 foot below the highway, and set in the top of a concrete post projecting 5 inches.

## DESCRIPTION OF BENCH MARK

Designation MAD G3 (I.H. Comm) State Indiana County Madison  
Nearest town Rigdon  
Distance and direction from nearest town About 2.15 miles south  
Character of mark An Ind. Highway Commission survey disk Stamping MAD G 3  
Established by Indiana Highway Commission  
Detailed description About 2.15 miles south along State Highway 37 from the Methodist Church at Rigdon, about 0.1 mile south of the junction of a "T" road leading west, set in the top of the west end of the southeast wing wall of a 20 foot concrete culvert over a ditch, 25 feet east of and about level with the center line of the highway.

## DESCRIPTION OF BENCH MARK

Designation GG 195 (I.H.C.) State Indiana County Madison  
Nearest town Rigdon  
Distance and direction from nearest town In town  
Character of mark A bronze disk in a concrete post Stamping GG 195 1946  
Established by Indiana Highway Commission  
Detailed description In the south part of Rigdon, at the junction of State Highway 37 and an asphalt road leading north into Rigdon, 0.1 mile south of Rigdon Methodist Church, 133 feet north of the center of the intersection of State Highway 37 and the road leading north, 75 feet northwest of the center of the highway, 39 feet east of the center of the asphalt road. A bronze disk of the Indiana Highway Commission set in the top of a concrete post projecting about 18-inches.

POINT ISABELL QUAD.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 16  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

## DESCRIPTION OF BENCH MARK

Designation H 195 State Indiana County Madison  
Nearest town Rigdon County Madison  
Distance and direction from nearest town At Rigdon  
Character of mark A bronze disk Stamping H 195 1946  
Established by U.S.C. & G.S.  
Detailed description At Rigdon, set vertically in the north face of the stone water table of the Rigdon Methodist Church Building, 1 foot west of the northeast corner, and 1.9 feet above the ground.

## DESCRIPTION OF BENCH MARK

Designation L 195 State Indiana County Grant  
Nearest town Rigdon County Madison  
Distance and direction from nearest town About 3.1 miles north  
Character of mark A bronze disk Stamping L 195 1946  
Established by U.S.C. & G.S.  
Detailed description About 3.1 miles north along a black top road from the Methodist Church at Rigdon, at the intersection of State Highway 26, about 2.0 miles east along State Highway 26 from its intersection with State Highway 13 at Point Isabel, Grant County, 60 feet south of the center line of the highway, 41 feet west of the center line of the black top road, 29 feet southeast of a fence corner, 29.5 feet northwest of a fence corner, 1 foot northeast of the fence line, about level with the intersection, and set in the top of a concrete post projecting 6 in.

## DESCRIPTION OF BENCH MARK

Designation J 195 State Indiana County Grant  
Nearest town Rigdon County Madison  
Distance and direction from nearest town About 1.05 miles north  
Character of mark A bronze disk Stamping J 195 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.05 miles north along a black top road from the Methodist Church at Rigdon, at the intersection of an east-west gravel road, 27.5 feet west of the center line of the black top road, 30 feet north of the center line of the gravel road, 12 feet southwest of a fence corner, 13 feet northeast of a fence corner, 1 foot southeast of the fence line, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation M 195 State Indiana County Grant  
Nearest town Point Isabel County Grant  
Distance and direction from nearest town About 1.0 mile east  
Character of mark A bronze disk Stamping M 195 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.0 mile east along State Highway 26 from its intersection with State Highway 13 at Point Isabel, at a north-south gravel cross road, 81 feet east of the center line of the cross road, 39 feet north of the center line of the highway, 25 feet east of a fence corner, 1 foot south of the fence line, 5 feet west of a telephone pole, 1 foot above the highway, and set in the top of a concrete post projecting 5 inches.

## DESCRIPTION OF BENCH MARK

Designation K 195 State Indiana County Grant  
Nearest town Rigdon County Madison  
Distance and direction from nearest town About 2.1 miles north  
Character of mark A bronze disk Stamping K 195 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.1 miles north along a black top road from the Methodist Church at Rigdon, about 1.0 mile south of the intersection of State Highway 26, at an east-west cross road, 31 feet east of the center line of the black top road, 17 feet north of the center line of the cross road, 10 feet east of a fence corner, 1 foot south of the fence line, about level with the intersection, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation N 195 State Indiana County Grant  
Nearest town Point Isabel County Grant  
Distance and direction from nearest town At Point Isabel  
Character of mark A bronze disk Stamping N 195 1946  
Established by U.S.C. & G.S.  
Detailed description At Point Isabel, about 0.35 mile north along State Highway 13 from its intersection with State Highway 26, at the Green Township School, set vertically in the west face of the brick wall of the west entrance to the School, 5.1 feet north of the center of the main entrance, and 1.6 feet above the top concrete step.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 17

INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 102

82

## DESCRIPTION OF BENCH MARK

Designation P 195 State Indiana County Grant  
Nearest town Point Isabel County Grant  
Distance and direction from nearest town About 0.9 mile north  
Character of mark A bronze disk Stamping P 195 1946  
Established by U.S.C. & G.S.  
Detailed description About 0.9 mile north along State Highway 13 from the Green Township School at Point Isabel, set in the top of the south end of the west concrete railing of a 40 foot concrete arch bridge over Grassy Fork Creek, 15 feet west of and about 3 feet above the center line of the highway.

85

## DESCRIPTION OF BENCH MARK

Designation S 195 State Indiana County Grant  
Nearest town Point Isabel County Grant  
Distance and direction from nearest town About 4.0 miles northeast  
Character of mark A bronze disk Stamping S 195 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.7 miles north along State Highway 13 from the Green Township School at Point Isabel, thence about 2.3 miles east along a county road; about 0.25 mile east of a gravel cross road, set in the top of the center of the north head wall of a 6 foot concrete culvert, 11 feet north of the center line of the road, 55 feet west of power pole GR 69 4, and about 1.2 feet above the road.

83

## DESCRIPTION OF BENCH MARK

Designation Q 195 State Indiana County Grant  
Nearest town Point Isabel County Grant  
Distance and direction from nearest town About 1.7 miles north  
Character of mark A bronze disk Stamping Q 195 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.7 miles north along State Highway 13 from the Green Township School at Point Isabel, set in the northeast quarter of a gravel cross road, 64 feet north of the center line of the gravel road, 43 feet east of the center line of the highway, 6.5 feet southeast of power pole 17/869 which is at a fence corner, 1.7 feet southwest of a fence corner, 2.5 feet below the highway, and set in the top of a concrete post projecting 6 inches.

86

## DESCRIPTION OF BENCH MARK

Designation JACOB(AZI) State Indiana County Grant  
Nearest town Point Isabel County Grant November 1946  
Distance and direction from nearest town About 4.45 miles northeast  
Character of mark A bronze triangulation reference disk Stamping JACOB AZIMUTH 1934  
Established by U.S.C. & G.S.  
Detailed description About 1.7 miles north along State Highway 13 from the Green Township School at Point Isabel, thence about 2.75 miles east along a county road; about 0.3 mile west of a gravel cross road, 125 feet northeast and across the county road from power pole 81/83, 15 feet north of the center line of the road, 0.5 foot south of a woven wire fence, about level with the road, and set in the top of a concrete post projecting 3 inches.

## SPUR LINE TO TRIANGULATION STATION JACOB

84

## DESCRIPTION OF BENCH MARK

Designation R 195 State Indiana County Grant  
Nearest town Point Isabel County Grant  
Distance and direction from nearest town About 2.75 miles northeast  
Character of mark A bronze disk Stamping R 195 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.7 miles north along State Highway 13 from the Green Township School at Point Isabel, thence about 1.05 miles east along a gravel road; at the intersection of a north-south gravel road, set vertically in the northwest face of a round concrete corner fence post 1.3 feet in diameter, 16 feet south of the center line of the east west road, 16 feet east of the center line of the north-south road, and 2.6 feet above the ground.

88

## DESCRIPTION OF BENCH MARK

Designation JACOB State Indiana County Grant  
Nearest town Point Isabel County Grant November 1946  
Distance and direction from nearest town About 5.4 miles northeast  
Character of mark A bronze triangulation station disk Stamping JACOB 1934  
Established by U.S.C. & G.S.  
Detailed description About 1.7 miles north along State Highway 13 from the Green Township School at Point Isabel, thence about 3.05 miles east along a county road, thence about 0.65 mile north along a gravel road; set in the southeast part of farm yard of farm owned by Grant T. Munson, 124 feet south of the southeast corner of the house, 43 south of the center line of the drive way, 44 feet west of a north-south fence line around the yard, 40.6 feet north of an east-west board fence, 59.5 feet northwest of the southeast corner of the fence around the yard, and set in the top of a concrete post about 12 inches under the surface of the ground.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 18  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

## DESCRIPTION OF BENCH MARK

Designation JACOB NO 1 State Indiana County Grant  
Nearest town Point Isabel County Grant November 1946  
Distance and direction from nearest town About 5.4 miles northeast  
Character of mark A bronze triangulation reference disk Stamping JACOB NO 1 1934  
Established by U.S.C. & G.S.  
Detailed description About 1.7 miles north along State Highway 13 from the Green Township School at Point Isabel, thence about 3.05 miles east along a county road, thence about 0.65 mile north along a gravel road; at the Grant T. Munson Farm, 66 feet east-southeast of the southeast corner of the farm house, 24 feet west of the center line of the gravel road, 42 feet north of the center line of the drive way, 1 foot east of the fence line, 9.5 feet north of a telephone pole, 95.9 feet northeast of the station mark, about level with the county road, and set in the top of a concrete post about flush with the ground.

## DESCRIPTION OF BENCH MARK

Designation G 204 State Indiana County Grant  
Nearest town Swayzee County Grant  
Distance and direction from nearest town About 2.0 miles south  
Character of mark A bronze disk Stamping G 204 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.0 miles south along State Highway 13 from the post office at Swayzee, about 1.0 mile north of the Crossroads at Normal, at the intersection of U. S. Highway 35 and State Highway 22, 142 feet south of the center line of U. S. Highway 35, 40 feet east of the center line of Highway 13, 13 feet south of a power pole with a transformer, 7.2 feet south of a right-of-way marker, 6.5 feet south of a fence corner, about 1 foot below the intersection, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation JACOB NO 2 State Indiana County Grant  
Nearest town Point Isabel County Grant November 1946  
Distance and direction from nearest town About 5.4 miles northeast  
Character of mark A bronze triangulation reference disk Stamping JACOB NO. 2 1934  
Established by U.S.C. & G.S.  
Detailed description About 1.7 miles north along State Highway 13 from the Green Township School at Point Isabel, thence about 3.05 miles east along a county road, thence about 0.65 mile north along a gravel road; at the Grant T. Munson Farm. This mark has had a new 2 car frame garage built over it, but in the construction the mark was left accessible in that they left the disk open and poured a concrete floor around it. Mark is now set in the southeast corner of the garage, 4.4 feet north of the south wall, 2.8 feet west of the east wall, and 3 inches below the garage floor.

## DESCRIPTION OF BENCH MARK

Designation GRA G15 (I.H.C.) State Indiana County Grant  
Nearest town Swayzee County Grant November 1946  
Distance and direction from nearest town About 1.0 mile south  
Character of mark An Ind. Highway Comm. Survey disk Stamping GRA G 15  
Established by Indiana Highway Commission  
Detailed description About 1.0 mile south along State Highway 13 from the post office at Swayzee, about 1.0 mile north along State Highway 13 from its intersection with U. S. Highway 35 and State Highway 22, at a crossroad, 38 feet west of the center line of the highway, 82 feet north of the center line of the cross road, 6 feet north of a telephone pole, 10 feet north of a highway right-of-way marker post, about 1.5 feet below the highway, and set in the top of a concrete post projecting 10 inches.

END OF THE SPUR LINE

## DESCRIPTION OF BENCH MARK

Designation T 195 State Indiana County Grant  
Nearest town Point Isabel County Grant  
Distance and direction from nearest town About 2.7 miles north  
Character of mark A bronze disk Stamping T 195 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.7 miles north along State Highway 13 from the Green Township School at Point Isabel, about 3.7 miles south along State Highway 13 from the post office at Swayzee, at the Crossroads at Normal, 69 feet north of the center line of the east-west road, 41 feet west of the center line of the highway, 6 feet north of a fence corner post, 3.5 feet south of a telephone pole, 1 foot east of a fence line, about level with the highway, and set in the top of a concrete post projecting 6 inches.

APRIL 1971

U.S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 19  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 103

LINE 103

## DESCRIPTION OF BENCH MARK

Designation X 204 State Indiana County Howard  
Nearest town Greentown County Howard  
Distance and direction from nearest town At Greentown  
Character of mark A bronze disk Stamping X 204 1946  
Established by U.S.C. & G.S.  
Detailed description At Greentown, at the intersection of State Highway 213 with U. S. Highway 35 and State Highway 22, 250 feet south of the center line of Highway 35, 38 feet east of the center line of highway 213, 21.5 feet south of a highway R.O.W. marker, 6.5 feet south of a telephone pole, 1 foot west of the fence line, about 2 feet below the center of highway 213, and set in the top of a concrete post projecting 3 inches.

## DESCRIPTION OF BENCH MARK

Designation W 204 State Indiana County Howard  
Nearest town Greentown County Howard  
Distance and direction from nearest town About 1.0 mile south  
Character of mark A bronze disk Stamping W 204 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.0 mile south along State Highway 213 from its intersection with U. S. Highway 35 at Greentown, at a cross road, 45 feet south of the center line of the gravel cross road, 27 feet west of the center line of the highway, set in the top of the north end of the 5.5 foot west concrete head wall of a 16 inch pipe culvert, and 0.5 foot below the highway.

## DESCRIPTION OF BENCH MARK

Designation V 204 State Indiana County Howard  
Nearest town Greentown County Howard  
Distance and direction from nearest town About 2.0 miles south  
Character of mark A bronze disk Stamping V 204 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.0 miles south along State Highway 213 from the intersection of U. S. Highway 35 at Greentown, about 2.0 miles north of the intersection of State Highway 26, at an east-west gravel cross road, 51 feet north of the center line of the cross road, 38 feet west of the center line of the highway, 3 feet east of power pole No. 25-043, 2.3 feet north of a highway right-of-way marker, 1 foot east of the fence line, about level with the highway, and set in the top of a concrete post projecting 5 inches.

## DESCRIPTION OF BENCH MARK

Designation U 204 State Indiana County Howard  
Nearest town Greentown County Howard  
Distance and direction from nearest town About 3.0 miles south  
Character of mark A bronze disk Stamping U 204 1946  
Established by U.S.C. & G.S.  
Detailed description About 3.0 miles south along State Highway 213 from its intersection with U. S. Highway 35 at Greentown, about 1.0 mile north of the intersection of State Highway 26, an east-west cross road, 50 feet south of the center line of the road leading west, 26 feet west of the center line of the highway, and set in the top of the north end of the 12 foot west concrete head wall of a double 24 inch pipe culvert, and about level with the highway.

## DESCRIPTION OF BENCH MARK

Designation T 204 State Indiana County Howard  
Nearest town Greentown County Howard  
Distance and direction from nearest town About 4.1 miles south  
Character of mark A bronze disk Stamping T 204 1946  
Established by U.S.C. & G.S.  
Detailed description About 4.1 miles south along State Highway 213 from its intersection with U. S. Highway 35 at Greentown, 0.1 mile south of the intersection of State Highway 28, 0.9 mile north of the Tipton-Howard County Line, set in the top of the south end of the 5.5 foot east concrete head wall of a 16 inch pipe culvert, 30 feet east of and about 1 foot below the center line of the highway.  
Note: Mark is about 4.0 miles north along State Highway 213 from the main crossroad at Windfall.

## DESCRIPTION OF BENCH MARK

Designation S 204 State Indiana County Howard  
Nearest town Windfall County Tipton  
Distance and direction from nearest town About 3.1 miles north  
Character of mark A bronze disk Stamping S 204 1946  
Established by U.S.C. & G.S.  
Detailed description About 3.1 miles north along State Highway 213 from the Main Crossroads at Windfall, at the Tipton-Howard County Line road and Church, 202 feet north of the center line of the road leading east, 28 feet east of the center line of the highway, set in the top of the center of the west wall of a 3 by 3 foot grill covered concrete drain box, and about 1.5 feet below the highway.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 20  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

## DESCRIPTION OF BENCH MARK

Designation R 204 State Indiana County Tipton  
Nearest town Windfall County Tipton  
Distance and direction from nearest town About 1.9 miles north  
Character of mark A bronze disk Stamping R 204 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.9 miles north along State Highway 213 from the Main Crossroad at Windfall, about 0.1 mile south of a cross road, set in the top of the north end of the east concrete head wall of a 12 inch pipe culvert, 29 feet north of the center line of a drive leading to a farm house, 29 feet east of the center line of the highway, and about level with the highway.

## DESCRIPTION OF BENCH MARK

Designation Q 204 State Indiana County Tipton  
Nearest town Windfall County Tipton  
Distance and direction from nearest town About 1.0 mile north  
Character of mark A bronze disk Stamping Q 204 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.0 mile north along State Highway 213 from the Main Crossroad at Windfall, at a gravel cross road, 31 feet west of the center line of the highway, 61 feet north of the center line of the cross road, 13 feet northeast of a fence corner, and set in the top of the center of the east wall of a 3 by 3 foot grill covered concrete drain box.

## DESCRIPTION OF BENCH MARK

Designation B 205 State Indiana County Tipton  
Nearest town Windfall County Tipton  
Distance and direction from nearest town About 1.05 miles south  
Character of mark A bronze disk Stamping B 205 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.05 miles south along State Highway 213 from the main cross road at Windfall, 258 feet south of the center line of a gravel cross road, 27 feet east of the center line of the highway, and set in the top of the south end of the east concrete head wall of a 15 inch pipe culvert, and about 0.5 foot below the highway.

## DESCRIPTION OF BENCH MARK

Designation A 205 State Indiana County Tipton  
Nearest town Windfall County Tipton  
Distance and direction from nearest town About 2.05 miles south  
Character of mark A bronze disk Stamping A 205 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.05 miles south along State Highway 213 from the main cross road at Windfall, at a cross road, 30 feet north of the center line of the cross road, 40 feet west of the center line of the highway, and set in the top of the southwest end of the angle shaped head wall for a 36 inch pipe culvert under the highway, and a 16 inch pipe culvert under the side road, and about 3 feet below the intersection.

## DESCRIPTION OF BENCH MARK

Designation Z 204 State Indiana County Tipton  
Nearest town Windfall County Tipton  
Distance and direction from nearest town About 3.05 miles south  
Character of mark A bronze disk Stamping Z 204 1946  
Established by U.S.C. & G.S.  
Detailed description About 3.05 miles south along State Highway 213 from the main cross road at Windfall, at a cross road, 53 feet north of the center line of the gravel cross road, 27 feet east of the center line of the highway, set in the top of the south end of the east concrete head wall of a 16 inch pipe culvert, and about 0.5 foot below the highway.

## DESCRIPTION OF BENCH MARK

Designation Y 204 State Indiana County Tipton  
Nearest town Windfall County Tipton  
Distance and direction from nearest town About 4.3 miles south  
Character of mark A bronze disk Stamping Y 204 1946  
Established by U.S.C. & G.S.  
Detailed description About 4.3 miles south along State Highway 213 from the main cross road at Windfall, about 0.3 mile south of a gravel cross road, at the approximate top of a grade, 249 feet north of a highway right-of-way marker, 159 feet north west and across the highway from the northern most of 3 walnut trees on the highway right-of-way, 40 feet west of the center line of the highway, 1 foot east of the right-of-way fence, and about 1.5 feet below the highway. Set in the top of a concrete post projecting 4 inches.  
Note: Mark may be reached from the Crossroads at Hobbs by going about 0.55 mile west along State Highway 28, thence about 1.2 miles north along State Highway 213.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 21  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 103

## DESCRIPTION OF BENCH MARK

Designation C 205 State Indiana County Tipton  
Nearest town Hobbs County Tipton  
Distance and direction from nearest town About 2.45 miles southwest  
Character of mark A bronze disk Stamping C 205 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.55 miles west along State Highway 28 from the Crossroads at Hobbs, thence about 0.9 mile south along a gravel road; about 0.4 mile south of a cross road, set in the top of the northeast end of the southwest wing wall of a 22 foot concrete bridge, 11 feet west of the center line of the gravel road, 0.6 foot west of the concrete banister, and about level with the road.

## DESCRIPTION OF BENCH MARK

Designation F 205 State Indiana County Tipton  
Nearest town Hobbs County Tipton  
Distance and direction from nearest town About 4.8 miles southwest  
Character of mark A bronze disk Stamping F 205 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.55 miles west along State Highway 28 from the Crossroads at Hobbs, thence about 3.25 miles south along a gravel road; 0.25 mile north of a cross road, set at a "T" fence corner in the west right-of-way fence, 2 feet southeast of the fence corner post, 14 feet west of the center line of the road, 1 foot east of the fence line, about level with the road, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation D 205 State Indiana County Tipton  
Nearest town Hobbs County Tipton  
Distance and direction from nearest town About 3.05 miles southwest  
Character of mark A bronze disk Stamping D 205 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.55 miles west along State Highway 28 from the Crossroads at Hobbs, thence about 1.5 miles south along a gravel road; at a cross road with a farm house in the southeast angle, 47 feet east of the center line of the north-south road, 18 feet north of the center line of the cross road, 29 feet east of a fence corner, 1 foot south of a wire fence and set in the top of a concrete post projecting 3 inches about level with the intersection.

## DESCRIPTION OF BENCH MARK

Designation G 205 State Indiana County Tipton  
Nearest town Hobbs County Tipton  
Distance and direction from nearest town About 6.0 miles southwest  
Character of mark A bronze disk Stamping G 205 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.55 miles west along State Highway 28 from the Crossroads at Hobbs, thence about 4.45 miles south along a gravel road; at the Tipton-Hamilton County line crossroad and a correction jog in the north-south road, 288 feet north of the center line of the road leading east, 31.5 feet east and across the road north from a "T" fence corner post in the west right-of-way fence, 15 feet east of the center line of the road north, 1 foot west of a wire fence, about 1 foot below the road, and set in the top of a concrete post projecting 5 inches.

## DESCRIPTION OF BENCH MARK

Designation E 205 State Indiana County Tipton  
Nearest town Hobbs County Tipton  
Distance and direction from nearest town About 3.75 miles southwest  
Character of mark A bronze disk Stamping E 205 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.55 miles west along State Highway 28 from the Crossroads at Hobbs, thence about 2.2 miles south along a gravel road; about 0.7 mile south of a gravel cross road, 0.3 mile north of a cross road, set in the top of the southwest end of the northwest abutment of a 27 foot concrete bridge over Bacon Prairie Creek running diagonally northeast and southwest across the road, 10 feet west of the center line of the gravel road, 0.9 foot west of the concrete banister, and level with the road.

## DESCRIPTION OF BENCH MARK

Designation H 205 State Indiana County Hamilton  
Nearest town Hobbs County Tipton  
Distance and direction from nearest town About 6.95 miles southwest  
Character of mark A bronze disk Stamping H 205 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.55 miles west along State Highway 28 from the Crossroads at Hobbs, thence about 5.4 miles south along a gravel road; about 0.9 mile south of the Tipton-Hamilton County line Crossroads, at an east-west gravel cross road, 62 feet west of the center line of the north-south road, 45 feet west of the fence corner, 16 feet north of the center line of the east-west road, 15.9 feet east of a 16 inch walnut tree, 1 foot south of the fence, about level with the road, and set in the top of a concrete post projecting 4 inches.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 22  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

## DESCRIPTION OF BENCH MARK

Designation J 205 State Indiana County Hamilton  
Nearest town Hobbs County Tipton  
Distance and direction from nearest town About 7.6 miles southwest  
Character of mark A bronze disk Stamping J 205 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.55 miles west along State Highway 28 from the Crossroads at Hobbs, thence about 6.05 miles south along a gravel road; 0.35 mile north of the junction of a road leading east, 0.15 mile south of a cross road, set in the top of the southwest end of the northeast abutment of a 30 foot concrete bridge, 11 feet east of the center line of the road, and about level with the bridge floor.

## DESCRIPTION OF BENCH MARK

Designation M 205 State Indiana County Hamilton  
Nearest town Cicero County Hamilton  
Distance and direction from nearest town About 3.6 miles northeast  
Character of mark A bronze disk Stamping M 205 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.3 miles east along along a black top road leading to Strawtown from the Hamilton State Bank at Cicero, thence about 1.3 miles north along a gravel road; at an east-west gravel cross road, 58 feet south of the center line of the east-west road, 14 feet west of the center line of the north-south road, 1 foot east of a wire fence, about level with the roads and set in the top of a concrete post projecting 3 inches.

## DESCRIPTION OF BENCH MARK

Designation K 205 State Indiana County Hamilton  
Nearest town Hobbs County Tipton  
Distance and direction from nearest town About 8.95 miles southwest  
Character of mark A bronze disk Stamping K 205 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.55 miles west along State Highway 28 from the Crossroads at Hobbs, thence about 7.4 miles south along a gravel road; at an east-west black top road crossing, 41 feet south of the center line of the black top road, 11 feet east of the center line of the gravel road, and set in the top of the south end of the 6 foot east head wall of a 2 foot concrete pipe culvert under the north-south road, and about 0.5 foot above the intersection.

## DESCRIPTION OF BENCH MARK

Designation N 205 State Indiana County Hamilton  
Nearest town Cicero County Hamilton  
Distance and direction from nearest town About 3.1 miles northeast  
Character of mark A bronze disk Stamping N 205 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.3 miles east along a black top road leading to Strawtown from the Hamilton County State Bank at Cicero, thence about 0.8 mile north along a gravel road, at a cross road, about 0.15 mile north of a church and small cemetery, 28 feet south of the center line of the road leading east, 9 feet east of the north-south road, and set in the top of the south end of the 6 foot east concrete head wall of a 1.5 foot concrete culvert, and about 0.5 foot above the intersection.

## DESCRIPTION OF BENCH MARK

Designation L 205 State Indiana County Hamilton  
Nearest town Hobbs County Tipton  
Distance and direction from nearest town About 9.95 miles southwest  
Character of mark A bronze disk Stamping L 205 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.55 miles west along State Highway 28 from the Crossroads at Hobbs, thence about 8.4 miles south along a gravel road; at a cross road, 22 feet north of the center line of the east-west road, 12 feet west of the center line of the north-south road, set in the top of the south end of the 6 foot west head wall of a 2 foot concrete pipe culvert under the north-south road.  
Note: Mark may be reached from the Hamilton State Bank at Cicero by going about 2.3 miles west along a black top road, thence about 2.3 miles north along a gravel road.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 23  
INDIANA 40°00' TO 40°30'  
LATITUDE 85°30' TO 86°00'  
LONGITUDE MUNCIE NK 16-12  
DIAGRAM

LINE 104

LINE 104

## DESCRIPTION OF BENCH MARK

|                                                      |               |                          |
|------------------------------------------------------|---------------|--------------------------|
| Designation Y 36 RESET 1970                          | State Indiana | County Ramsey            |
| Nearest town Gas City                                | County Ramsey | Chief of party           |
| Distance and direction from nearest town At Gas City |               | Leveling date April 1970 |
| Character of mark A C&GS Bench Mark disk             |               | Stamping Y 36 RESET 1970 |
| Established by Penn Central Company                  |               |                          |
| Detailed description                                 |               |                          |

At Gas City, set in the top of the east wall of the old pedestrian underpass, 228 feet north of the center line of Main Street (State Road 22), 14 feet west of the center line of the eastward track.

## DESCRIPTION OF BENCH MARK

|                                                                                                                                                                                                                                                                                                          |               |                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|
| Designation B.M. (P.R.R.)                                                                                                                                                                                                                                                                                | State Indiana | County Grant   |
| Nearest town Upland                                                                                                                                                                                                                                                                                      | County        | Chief of party |
| Distance and direction from nearest town 3.5 miles west                                                                                                                                                                                                                                                  |               | Leveling date  |
| Character of mark                                                                                                                                                                                                                                                                                        |               | Stamping       |
| Established by                                                                                                                                                                                                                                                                                           |               |                |
| Detailed description 3.5 miles west along the Pennsylvania Railroad from the station at Upland, Grant County, at bridge 148.41 over a dirt road, in the northeast corner of the concrete back wall, 10.7 feet north of the north rail, and about 5 feet lower than the top of the rail. A copper square. |               |                |

FORM 685A  
(1-8-58)

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## RECOVERY NOTE, BENCH MARK

|                                                                                                                                                                                                                                                                                                                          |               |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|
| Designation B 37                                                                                                                                                                                                                                                                                                         | State Indiana | County Grant   |
| Nearest town Upland                                                                                                                                                                                                                                                                                                      | County        | Chief of party |
| Distance and direction from nearest town 3.5 miles west                                                                                                                                                                                                                                                                  |               | Recovery Date  |
| Character of mark                                                                                                                                                                                                                                                                                                        |               | Stamping       |
| Established by                                                                                                                                                                                                                                                                                                           |               |                |
| Present condition                                                                                                                                                                                                                                                                                                        |               |                |
| Detailed report 3.5 miles west along the Pennsylvania Railroad from the station at Upland, Grant County, at bridge 148.41 over a dirt road, in the northwest corner of the concrete back wall, 11.5 feet north of the north rail, and about 5 feet lower than the top of the rail. A standard disk, stamped "B 37 1934". |               |                |

## RECOVERY NOTE, BENCH MARK

|                                                        |                             |                        |
|--------------------------------------------------------|-----------------------------|------------------------|
| Designation Z 36                                       | State Indiana               | County Grant           |
| Nearest town Gas City                                  | Described in                | Chief of party USGS    |
| Distance and direction from nearest town At Gas City   |                             | Recovery date May 1959 |
| Character of mark                                      | Established by USC&GS       | Stamping "Z 36 1934"   |
| Also horizontal control point <input type="checkbox"/> | Present condition DESTROYED |                        |
| Detailed report                                        |                             |                        |

Remains of concrete post were found as described.

## REPORT ON CONDITION OF BENCH MARK

|                                                                                                                                                                                                                                                                                      |               |                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------|
| Designation C 37                                                                                                                                                                                                                                                                     | State Indiana | County Grant       |
| Nearest town Upland                                                                                                                                                                                                                                                                  | County Grant  | November 1946      |
| Distance and direction from nearest town About 1.6 miles west                                                                                                                                                                                                                        |               | Stamping C 37 1934 |
| Character of mark A bronze disk                                                                                                                                                                                                                                                      |               |                    |
| Established by U.S.C. & G.S.                                                                                                                                                                                                                                                         |               |                    |
| Present condition Good                                                                                                                                                                                                                                                               |               |                    |
| Detailed Report About 1.6 miles west along the Pennsylvania Railroad from the Station at Upland, set in the top of the south end of the west abutment of a railroad concrete bridge No. 146/60 over a gravel road, 11 feet south and about 5 feet below the south rail of the track. |               |                    |

## DESCRIPTION OF BENCH MARK

|                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|
| Designation A 37                                                                                                                                                                                                                                                                                                                                                                                                    | State Indiana | County Grant   |
| Nearest town Gas City                                                                                                                                                                                                                                                                                                                                                                                               | County        | Chief of party |
| Distance and direction from nearest town 1.7 miles east                                                                                                                                                                                                                                                                                                                                                             |               | Leveling date  |
| Character of mark                                                                                                                                                                                                                                                                                                                                                                                                   |               | Stamping       |
| Established by                                                                                                                                                                                                                                                                                                                                                                                                      |               |                |
| Detailed description 1.7 miles east along the Pennsylvania Railroad from the station at Gas City, Grant County, in the southeast angle of a dirt-road crossing, 24.4 feet south of the south rail, 21 feet east of the center-line of the road, 11.3 feet northeast of a fence corner, and about 2 feet lower than the top of the rail. A standard disk, stamped "A 37 1934" and set in the top of a concrete post. |               |                |

## DESCRIPTION OF BENCH MARK

|                                                                                                                                                                                                                                                                                                                                                     |               |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------|
| Designation H 203                                                                                                                                                                                                                                                                                                                                   | State Indiana | County Grant        |
| Nearest town Upland                                                                                                                                                                                                                                                                                                                                 | County Grant  |                     |
| Distance and direction from nearest town About 0.85 miles west                                                                                                                                                                                                                                                                                      |               | Stamping H 203 1946 |
| Character of mark A bronze disk                                                                                                                                                                                                                                                                                                                     |               |                     |
| Established by U.S.C. & G.S.                                                                                                                                                                                                                                                                                                                        |               |                     |
| Detailed description About 0.85 mile west along the Pennsylvania Railroad from the Station at Upland, 0.15 mile east of mile post 146, 0.25 mile west of a wooden overpass over the railroad, set in the top of the west end of the north concrete head wall of a 3 foot stone masonry culvert, 7 feet north and about 1 foot below the north rail. |               |                     |

pos 238/47, in the northwest angle of a dirt-road crossing, 57 feet north of the north rail, 27.2 feet west of the centerline of the road, 6.1 feet west of a fence corner, and level with the track. A standard disk, stamped "Q 41 1934" and set in the top of a concrete post.

# DESCRIPTION OF BENCH MARK

Designation R 41  
Nearest town Daleville  
Distance and direction from nearest town 1.2 miles east  
Character of mark  
Established by  
State Indiana  
County  
Chief of party  
Levelling date  
Stamping  
County Delaware

Detailed description 1.2 miles east along the Cleveland, Cincinnati, Chicago & St. Louis Railway from the station at Daleville, Delaware County, 7 feet southwest of pole 238/47, in the southwest angle of a dirt-road crossing near the Richmond station of the Indiana Railroad, 35.6 feet south of the south rail, 35 feet west of the centerline of the road, 24.5 feet west of a concrete post at a fence corner, and about 1/2 foot lower than the track. A standard disk, stamped "R 41 1934" and set in the top of a concrete post.

# RECOVERY NOTE, BENCH MARK

Designation S 41  
Nearest town Daleville  
Distance and direction from nearest town At Daleville  
Character of mark  
Also horizontal control point ☐  
Detailed report:  
State Indiana  
County Delaware  
Chief of party Ind. Hwy. Comm.  
Recovery date Jan. 14, 1964  
Stamping "S 41 1934"  
Present condition DESTROYED

This bench mark post was broken off in the ground when the CCC & St. Louis's old station was removed.

direct, 47.5 feet north of the center line of State Highway 67 which parallels the track, 2.5 feet south of telegraph pole No. 242/22, 8.3 feet northeast of power pole No. 46/759, 1.5 feet north of a white wooden witness post, 3.5 feet below the track and set in the top of a concrete post projecting 3 inches.

# DESCRIPTION OF BENCH MARK

Designation U 41 RESET 1936  
Nearest town Chesterfield  
Distance and direction from nearest town 1.7 miles SW  
Character of mark Standard disk  
Established by State Hwy. Comm.  
Detailed description  
State Indiana  
County  
Chief of party USGS  
Levelling date  
Stamping "U 41 1934 RESET 1936"

Chesterfield, 1.7 miles SW of, along State Highway 37; on S line of Sec. 16, T 19 N R 8 E; 75 ft. NW of crossroads; 30 ft. SE of S rail of New York Central Railroad; 8 ft. SE of telephone pole; in concrete post; USCGS standard disk stamped "U 41 1934 RESET 1936".

RECOVERED AS DESCRIBED 1960 USGS Report.

ANDERSON SOUTH QUAD.

FORM 642A  
(1-8-58)

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

# RECOVERY NOTE, BENCH MARK

Designation V 41  
Nearest town Anderson  
Distance and direction from nearest town 1.8 miles east  
Character of mark  
Established by  
Present condition  
State Indiana  
County  
Chief of Party  
Recovery Date  
Stamping  
County Madison

Detailed report 1.8 miles east along the Cleveland, Cincinnati, Chicago & St. Louis Railway from the station at Anderson, Madison County, at the crossing of the Louisville and South Bend branch line, about 100 yards northeast of the Gridley signal tower, 26.3 feet southeast of pole 245/42, 31.7 feet south of the south rail of the main track, 18.1 feet northwest of a property-line marker, and about 1/2 foot lower than the track. A standard disk, stamped "V 41 1934" and set in the top of a concrete post.

APRIL 1971

U.S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929QUAD 400853 PAGE NO. 25  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE MK 16-12

LINE 105

## ANDERSON SOUTH QUAD. (CONT'D)

Form 603A  
(1-8-58)U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## RECOVERY NOTE, BENCH MARK

Designation W 41  
Nearest town Anderson  
Distance and direction from nearest town 1.8 miles east  
Character of mark  
Established by  
Present condition  
Detailed report 1.8 miles east along the Cleveland, Cincinnati, Chicago & St. Louis Railway from the station at Anderson, Madison County, 40 yards northeast of the crossing of the Pennsylvania Railroad, 4 yards north of the Gridley signal tower, at pole 245/45, in the top of the northwest corner of a concrete switch base, 0.8 foot southeast of the northwest corner, and level with the track. A standard disk, stamped "W 41 1934".

Form 603A  
(1-8-58)U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## RECOVERY NOTE, BENCH MARK

Designation Z 41  
Nearest town Anderson  
Distance and direction from nearest town At Anderson  
Character of mark  
Established by  
Present condition  
Detailed report At Anderson, Madison County, on the Cleveland, Cincinnati, Chicago & St. Louis Railway, at the crossing of the Pennsylvania Railroad, 33 feet west of the southwest corner of the Delco signal tower, 15.9 feet south of the line of three frame houses, 9.8 feet north of the north rail, in the base for switch rods, and about 1 foot lower than the track. A standard disk, stamped "Z 41 1934".

DESTROYED

## RECOVERY NOTE, BENCH MARK

Designation X 41  
Nearest town Anderson  
Distance and direction from nearest town 1.8 miles E  
Character of mark Standard disk  
Also horizontal control point ☐  
Detailed report:  
State Indiana  
County Madison  
Chief of party USGS  
Recovery date Dec. 1960  
Stamping "X 41 1934"  
Established by USC&GS  
Present condition DESTROYED

Post leaning over, disc removed.

Form 603A  
(1-8-58)U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## RECOVERY NOTE, BENCH MARK

Designation A 42  
Nearest town Anderson  
Distance and direction from nearest town At Anderson  
Character of mark  
Established by  
Present condition  
Detailed report At Anderson, Madison County, on the Cleveland, Cincinnati, Chicago & St. Louis Railway, in the southeast angle of the crossing of Pearl Street, 25.2 feet south of the south rail of the north track, 17.2 feet north of the north rail of the south track, 13.9 feet east of the east curb of the street, 2.3 feet north of a concrete property-line marker, and about 1 foot higher than the track. A standard disk, stamped "A 42 1934" and set in the top of a concrete post.

## DESCRIPTION OF BENCH MARK

Designation Y 41  
Nearest town Anderson  
Distance and direction from nearest town At Anderson  
Character of mark  
Established by  
Detailed description At Anderson, Madison County, on the Cleveland, Cincinnati, Chicago & St. Louis Railway, 50 yards southeast of the crossing of the Pennsylvania Railroad at Delco tower, opposite the Philadelphia Quarts Co. property, 26.2 feet east of a pole, in the top of the northeast corner of a concrete switch base, 5.8 feet south of the south rail, and about 1/2 foot lower than the track. A standard disk, stamped "Y 41 1934".

U.S. DEPARTMENT OF COMMERCE  
U. S. Coast and Geodetic Survey  
Form 603A

## RECOVERY NOTE, BENCH MARK

Designation B 42  
Nearest town Anderson  
Distance and direction from nearest town At Anderson  
Character of mark A bronze disk  
Established by U.S.C. & G.S.  
Present condition Good  
Detailed report At Anderson, at the intersection of the Central Indiana Railroad and Meridian Street, across the railroad from the station, 62.5 feet south of the south rail, 36 feet east of the center line of Meridian Street, 12 feet north of the northwest corner of the "THRIFT & SUPER MARKET", 1.7 feet east of the east edge of a concrete side walk, about 0.2 foot above the side walk and set in the top of a concrete post projecting 2 inches.

NOTE: Mark is about 0.6 mile south along Meridian Street from the Court House.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929QUAD 400853 PAGE NO. 26  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

(CONT'D)

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DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
Form 565-A

## RECOVERY NOTE, BENCH MARK

Designation C 42 State Indiana County Madison  
Nearest town Anderson County Madison August 1947  
Distance and direction from nearest town At Anderson  
Character of mark A bronze disk Stamping C 42 1934  
Established by U.S.C. & G.S.  
Present condition Good  
Detailed report At Anderson, about 0.8 mile west along the Central Indiana Railroad from the Meridian Street Station, 93 feet northeast of the center of the intersection of the Cleveland, Cincinnati, Chicago and St. Louis Railway, 27.5 feet north of the north rail of the C.I. RR, 23.5 feet southeast of the southeast rail of the C.C. & St. L. RR, between Cedar and Locust Streets, 2 feet northeast of a white wooden witness post, about level with the tracks and set in the top of a concrete post projecting 4 inches

R

106

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
Form 565-A

## RECOVERY NOTE, BENCH MARK

Designation F 42 State Indiana County Madison  
Nearest town Anderson County Madison August 1947  
Distance and direction from nearest town About 1.75 miles west  
Character of mark A bronze disk Stamping F 42 1934  
Established by U.S.C. & G.S.  
Present condition Good  
Detailed report About 1.75 miles west along the Central Indiana Railroad from the Meridian Street Station at Anderson, north and across the tracks from West Well Park, inside a garage building of a gasoline storage yard, about 75 yards west of the intersection of the Pennsylvania Railroad, 65 yards east of a paved road, 28 feet north of the north rail of the main track, 1.5 feet east of the west wall of the building, 5.5 feet north of the south wall of the building, 0.5 foot below the concrete floor, and set in the top of a concrete post.

NOTE: A hole was left in the concrete floor when the garage was built to give access to the mark.

R

104

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
Form 565-A

## RECOVERY NOTE, BENCH MARK

Designation D 42 State Indiana County Madison  
Nearest town Anderson County Madison August 1947  
Distance and direction from nearest town At Anderson  
Character of mark A bronze disk Stamping D 42 1934  
Established by U.S.C. & G.S.  
Present condition Good  
Detailed report At Anderson, about 0.85 mile west along the Central Indiana Railroad from the Meridian Street Station at Anderson, 77.5 feet west of the center of the intersection of the Cleveland, Cincinnati, Chicago and St. Louis Railway, 18.7 feet east of the east curb of Locust Street, 6.9 feet south of the south rail of the C. I. RR, 6.6 feet west of the north corner of a switch tower, set in the top of the southeast corner of a concrete switch base.

R

107

## DESCRIPTION OF BENCH MARK

Designation N 250 State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town About 2.75 miles west  
Character of mark A bronze disk Stamping N 250 1947  
Established by U.S.C. & G.S.  
Detailed description About 2.75 miles west along the Central Indiana Railroad from the Meridian Street Station at Anderson, about 0.3 mile east of an east-west paved road crossing, at a north-south gravel road crossing, 15.7 feet north of the north rail, 28 feet east of the center line of the gravel road, 11 feet east of a fence corner, 1.8 feet south of the fence line, 2 feet west of a white wooden witness post, about 1 foot below the track and set in the top of a concrete post projecting 4 inches.

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DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
Form 565-A

## RECOVERY NOTE, BENCH MARK

Designation E 42 State Indiana County Madison  
Nearest town Anderson County Madison August 1947  
Distance and direction from nearest town About 1.65 miles west  
Character of mark A bronze disk Stamping E 42 1934  
Established by U.S.C. & G.S.  
Present condition Good  
Detailed report About 1.65 miles west along the Central Indiana Railroad from the Meridian Street Station at Anderson, 60 yards east of the intersection of the Pennsylvania Railroad, at the north side of the West Well Park, 135 feet west of the center line of a dirt road crossing the track and running through the park, 13.7 feet south of the south rail of the C. I. RR, 16.5 feet north of the north rail of a spur track off the Pennsylvania Railroad, 9 feet northeast of the east one of a group of trees, 2 feet north of a white wooden witness post, about level with the track and set in the top of a concrete post projecting 5 inches.

R

108

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
Form 565-A

## RECOVERY NOTE, BENCH MARK

Designation G 42 State Indiana County Madison  
Nearest town Anderson County Madison August 1947  
Distance and direction from nearest town About 3.75 miles west  
Character of mark A bronze disk Stamping G 42 1934  
Established by U.S.C. & G.S.  
Present condition Good  
Detailed report About 3.75 miles west along the Central Indiana Railroad from the Meridian Street Station at Anderson, at a gravel road crossing, 14.2 feet south of the south rail, 33 feet east of the center line of the gravel road, 2.5 feet north of the fence line, 17 feet east of a fence corner post, 2 feet west of a white wooden witness post, about 1 foot below the track and set in the top of a concrete post projecting 6 inches.

R

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 27

INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 105

LAPEL QUADRANGLE

## DESCRIPTION OF BENCH MARK

Designation M 250 State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town About 4.75 miles west  
Character of mark A bronze disk Stamping M 250 1947  
Established by U.S.C. & G.S.

Detailed description About 4.75 miles west along the Central Indiana Railroad from the Meridian Street Station at Anderson, at a black top road crossing with a canning plant in the northwest quarter of the intersection, 36 feet east of the center line of the road, 68 feet north of the north rail of the main track, 14 feet east of the west end post of the railroad right-of-way fence, 2 feet south of the fence line, 2 feet north of a white wooden witness post, about 1 foot below the track and set in the top of a concrete post projecting 3 inches.

## RECOVERY NOTE, BENCH MARK

Designation J 42 State Indiana County Madison  
Nearest town Lapel County Madison  
Distance and direction from nearest town 1 mile east  
Character of mark Chief of Party  
Established by Recovery Date  
Present condition Stamping

Detailed report 1.0 mile east along the Central Indiana Railway from the station at Lapel, Madison County, 0.2 mile southeast of the Gwinn View Stock Farm Buildings, in the northeast angle of a gravel-road crossing, 27 feet north of the north rail, 15 feet east of the centerline of the gravel road, in the center of the top of a concrete section-corner post, about 4 feet higher than the ground, and 6 inches higher than the track. A standard disk, stamped "J 42 1934".

## RECOVERY NOTE, BENCH MARK

Designation H 42 State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town 5.8 miles west  
Character of mark Chief of Party  
Established by Recovery Date  
Present condition Stamping

Detailed report 5.8 miles west along the Central Indiana Railway from the Meridian Street station at Anderson, Madison County, about 160 yards south of the D. Sears house, 60 yards southeast of the L.D. Day home, in the northeast angle of the crossing of a gravel road, 24 feet east of the centerline of the gravel road, 15 feet north of the north rail, and 3 feet south of a fence line. A standard disk, stamped "H 42 1934" and set in the top of a concrete post projecting 6 inches above ground.

## DESCRIPTION OF BENCH MARK

Designation E 209 State Indiana County Madison  
Nearest town Lapel County Madison  
Distance and direction from nearest town About 1.25 miles northeast  
Character of mark A bronze disk Stamping E 209 1946  
Established by U.S.C. & G.S.

Detailed description About 1.0 mile east along the Central Indiana Railway from the station at Lapel, thence about 0.25 mile north along a gravel road, set in the southwest corner of the Lapel Airport, at an east-west gravel road crossing, about 0.1 mile south of the administration building, 9 1/2 feet east of the center line of the north-south road, 16 feet north of the center line of the east-west road, 5 feet northwest of power pole 5/151/350, about 0.5 foot above the intersection, and set in the top of a concrete post projecting 6 inches.

NOTE — It was reported in July 1953 that Lapel Airport has been discontinued and is no longer maintained; the land area is now cultivated in farm use.

## DESCRIPTION OF BENCH MARK

Designation L 250 State Indiana County Madison  
Nearest town Anderson County Madison  
Distance and direction from nearest town About 6.75 miles west  
Character of mark A bronze disk Stamping L 250 1947  
Established by U.S.C. & G.S.

Detailed description About 6.75 miles west along the Central Indiana Railroad from the Meridian Street Station at Anderson, about 0.3 mile east of a gravel road crossing, at a north-south gravel road crossing, 15.5 feet south of the south rail of the track, 27 feet west of the center line of the gravel road, 11.5 feet west of power pole No. 65/771, 8.5 feet west of a fence corner post, 2 feet north of the fence line, 2 feet west of a white wooden witness post, 1 foot below the track and set in the top of a concrete post projecting 4 inches.

Note: Mark is about 2.3 miles east of the Station at Lapel, Madison County.

## DESCRIPTION OF BENCH MARK

Designation F 209 State Indiana County Madison  
Nearest town Lapel County Madison  
Distance and direction from nearest town About 1.35 miles northeast  
Character of mark A bronze disk Stamping F 209 1946  
Established by U.S.C. & G.S.

Detailed description About 1.0 mile east along the Central Indiana Railway from the Station at Lapel, thence about 0.35 mile north along a gravel road, at the Lapel Airport, 129 feet west and across the north-south road from the southwest corner of the administration building, 159 feet south of a "T" fence corner in the west right-of-way fence, 16 feet west of the center line of the road, 9 feet north of transformer power pole No. 65-617 and in line with the row of poles, about 1 foot above the road, and set in the top of a concrete post projecting 6 in.

NOTE — It was reported in July 1953 that the airport is no longer in operation and the administration building has been converted into a dwelling.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 28  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

## DESCRIPTION OF BENCH MARK

Designation G 209 State Indiana County Madison  
Nearest town Lapel County Madison  
Distance and direction from nearest town About 1.45 mile northeast  
Character of mark A bronze disk Stamping G 209 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.0 mile east along the Central Indiana Railway from the Station at Lapel, thence about 0.45 mile north along a gravel road; at the northwest corner of the Lapel Airport, about 0.1 mile north of the administration building, 33 feet northeast and across the road from power pole 65/621, 16 feet east of the center line of the road, 2 feet south of a corner fence post and in line with the fence leading north, about 0.5 foot above the road, and set in the top of a concrete post projecting 6 inches.

NOTE — It was reported in July 1953 that the Airport is no longer in operation, the land has been cultivated and put in farm use, and the Administration building has been converted into a dwelling.

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## RECOVERY NOTE, BENCH MARK

Designation K 42 State Indiana County Madison  
Nearest town Lapel County Chief of Party  
Distance and direction from nearest town At Lapel Recovery Date  
Character of mark Stamping  
Established by  
Present condition  
Detailed report At Lapel, Madison County, on the Central Indiana Railway, 29.1 feet west of the west end of the station, 64 yards east of the east edge of Main Street, 55.2 feet northwest of the northwest corner of the Standard Elevator Co. building, 1 foot south of a pole, and 2 inches higher than the track. A standard disk, stamped "K 42 1934" and set in the top of a concrete post.

## DESCRIPTION OF BENCH MARK

Designation K 194 State Indiana County Hamilton  
Nearest town Lapel County Madison  
Distance and direction from nearest town About 0.9 mile west  
Character of mark A bronze disk Stamping K 194 1946  
Established by U.S.C. & G.S.  
Detailed description About 0.9 mile west along the Central Indiana Railroad from the Station at Lapel, set in the southwest angle of the Hamilton-Madison County Line Road, crossing, 16 feet south of the south rail of the track, 21 feet west of the county line road, 4.5 feet west of the fence corner, 1 foot north of the fence line, 9.5 feet southwest of a crossing warning sign, 22 feet north of power pole 812-1852, about level with the track and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation C 209 State Indiana County Hamilton  
Nearest town Lapel County Madison  
Distance and direction from nearest town About 1.6 miles west  
Character of mark A bronze disk Stamping C 209 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.6 miles west along the Central Indiana Railway from the Station at Lapel, about 0.35 mile east of a gravel road crossing, set in the top of the southeast end of the southwest concrete head wall of a 4 foot concrete box culvert under State Highway 32, 26 feet southwest of the center line of the highway, 24 feet northeast of the northeast rail of the track, and set in a drill hole about 3 feet below the highway.

## REPORT ON CONDITION OF BENCH MARK

Designation L 42 State Indiana County Hamilton  
Nearest town Lapel County Madison  
Distance and direction from nearest town About 2.4 miles west  
Character of mark A bronze disk Stamping L 42 1934  
Established by U.S.C. & G.S.  
Present condition Good  
Detailed Report About 2.4 miles west along the Central Indiana Railway from the Station at Lapel, about 240 yards west of the crossing of a dirt drive way to a white farm house on the south side of the track, 71 feet south and across the track from the center line of State Highway 32, 65 feet west of a 32 inch tree, 16 feet south of the south rail, 2 feet north of a fence line, about 0.5 foot above the track, and set in the top of a concrete post projecting 8 inches.

## DESCRIPTION OF BENCH MARK

Designation D 209 State Indiana County Hamilton  
Nearest town Lapel County Madison  
Distance and direction from nearest town About 3.4 miles west  
Character of mark A bronze disk Stamping D 209 1946  
Established by U.S.C. & G.S.  
Detailed description About 3.4 miles west along the Central Indiana Railway from the Station at Lapel, at Durbin, set vertically in the concrete foundation of the south wall of the Goodrich Elevator Company Building, 53.5 feet east of the southwest corner, 8 feet west of the center of the first window east of the southwest corner and 1 foot above the ground.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 29

INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 105

### REPORT ON CONDITION OF BENCH MARK

R

(121)  
Designation M 42 State Indiana County Hamilton  
Nearest town Lapel County Madison  
Distance and direction from nearest town About 4.4 miles west  
Character of mark A bronze disk Stamping M 42 1934  
Established by U.S.C. & G.S.  
Present condition Good  
Detailed Report About 4.4 miles west along the Central Indiana Railway from the Station at Lapel, about 1.0 mile west of the Grain Elevator at Durbin, at a north-south gravel road crossing, about 200 yards north of an imitation brick house on the east side of the gravel road, 143 feet east of the center line of the gravel road, 38.5 feet south of the center line of State Highway 32, 16.5 feet north of the north rail, 6.5 feet west of a telephone pole and in line with the row of polew, about level with the track, and set in the top of a concrete post projecting 6 inches.

NOT RECOVERED February 1958

### DESCRIPTION OF BENCH MARK

(122)  
Designation N 42 State Indiana County Hamilton  
Nearest town Noblesville County  
Distance and direction from nearest town 2.5 miles east Chief of party  
Character of mark Leveling data  
Established by Stamping  
Detailed description 2.5 miles east along the Central Indiana Railway from the station at Noblesville, Hamilton County, 0.3 mile east of the crossing of State Highway 38, about 800 feet east of a large dairy barn, 21 yards southeast of the first highway culvert east of the intersection of State Highways 32 and 38, 51 feet south of the south edge of State Highway 32, 12.2 feet south of the south rail, and about 15 inches lower than the track. A standard disk, stamped "N 42 1934" and set in the top of a concrete post.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 30  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

## LAPEL QUADRANGLE

## LINE 106

## DESCRIPTION OF BENCH MARK

Designation W 185 State Indiana County Madison  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 1.05 miles west  
Character of mark A bronze disk Stamping W 185 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.05 miles west along State Highway 28 from the intersection of State Highway 9 at Alexandria, about 0.3 mile west of the entrance to the race track, about 0.2 mile east of a gravel road leading north and a dirt road leading south, set in the top of the northwest end of the southeast concrete wing wall of a 40 foot concrete bridge over Mud Creek, 14 feet south of the center line of the highway, and about 0.5 foot above the bridge floor.

## ELWOOD QUADRANGLE

## DESCRIPTION OF BENCH MARK

Designation Z 185 State Indiana County Madison  
Nearest town Elwood County Madison  
Distance and direction from nearest town About 4.95 miles east  
Character of mark A bronze disk Stamping Z 185 1946  
Established by U.S.C. & G.S.  
Detailed description About 4.95 miles east along State Highway 28 from the intersection of State Highway 13 at Elwood, about 0.5 mile east of Joe Sturbois General Store, at a north-south gravel road, 134 feet northeast and across the intersection from the northeast corner of a white farm house, 28 feet north of the center line of the highway, 34 feet east of the center line of the gravel road, 19 feet east of the east end of a 14 inch clay pipe culvert under the side road, 3.5 feet east of telephone pole No. 163, about 1 foot below the intersection, and set in the top of a concrete post projecting 6 inches.  
Note: Mark is about 4.1 miles west along State Highway 28 from its intersection with State Highway 9 at the northeast part of Alexandria.

## DESCRIPTION OF BENCH MARK

Designation X 185 State Indiana County Madison  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 2.25 miles west  
Character of mark A bronze disk Stamping X 185 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.25 miles west along State Highway 28 from its intersection with State Highway 9 at Alexandria, about 0.2 mile west of a north-south cross road, set in the top of the north end of the east concrete abutment of a 60 foot concrete bridge over Lilly Creek, 14 feet north of the center line of the highway, 1 foot north of the north concrete bridge railing, and about 0.5 foot above the bridge floor.

## DESCRIPTION OF BENCH MARK

Designation K 206 State Indiana County Madison  
Nearest town Elwood County Madison  
Distance and direction from nearest town About 3.9 miles east  
Character of mark A bronze disk Stamping K 206 1946  
Established by U.S.C. & G.S.  
Detailed description About 3.9 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, about 0.5 mile west of Joe Sturbois General Store, set in the southeast quarter of the intersection of a north-south road, set in the top of the east end of the south concrete head wall of a 14 inch clay tile pipe culvert, 75 feet east of the center line of the gravel road, 19 feet south of the center line of the highway, and about level with the intersection.

## DESCRIPTION OF BENCH MARK

Designation Y 185 State Indiana County Madison  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 3.05 miles west  
Character of mark A bronze disk Stamping Y 185 1946  
Established by U.S.C. & G.S.  
Detailed description About 3.05 miles west along State Highway 28 from its intersection with State Highway 9 in the northeast part of Alexandria, about 125 yards east of Walker's Marathon Service Station and General Store, 29 feet north of the center line of the highway, 24 feet east of the center line of a north-south gravel road, 6 feet east southeast of a fence corner post, 4 feet east of telephone pole No. 123, 3 feet southwest of a highway R.O.W. marker, about 1 foot below the intersection, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation L 206 State Indiana County Madison  
Nearest town Elwood County Madison  
Distance and direction from nearest town About 2.85 miles east  
Character of mark A bronze disk Stamping L 206 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.85 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, about 1.25 miles east of the intersection of State Highway 37, set in the southwest quarter of a north-south gravel road, 190 feet southeast and across the highway from the southeast corner of a barn, 24 feet south of the center line of the highway, 47 feet west of the center line of the gravel road, 4 feet west of telephone pole No. 245, about 0.5 foot below the intersection, and set in the top of a concrete post projecting 5 inches.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 31  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 106

ELWOOD QUADRANGLE

## DESCRIPTION OF BENCH MARK

(129)  
Designation M 206 State Indiana County Madison  
Nearest town Elwood County Madison  
Distance and direction from nearest town About 1.9 miles east  
Character of mark A bronze disk Stamping M 206 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.9 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, about 0.3 mile east of the intersection of State Highway 37, set vertically in the west face of the northwest corner of the Red Corner School Building, 1 foot south of the northwest corner and about 0.8 foot above the ground.

## DESCRIPTION OF BENCH MARK

(130)  
Designation M 206 (I.H.C.) State Indiana County Madison  
Nearest town Elwood County Madison  
Distance and direction from nearest town About 1.6 miles east  
Character of mark A State Highway Comm disk. Stamping M 206 1946  
Established by Indiana Highway Commission  
Detailed description About 1.6 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, at the intersection of State Highway 37, 155 feet west of the center line of highway 37, 105 feet southeast of the southeast corner of a white house (Office for trailer camp & tourist court), 37 feet north of the center line of highway 28, 17.5 feet northeast of power pole MA 26-114, 16 feet northeast of a highway R.O.W. marker, about level with the intersection, and set in the top of a 6 inch iron pipe filled with cement projecting 10 inches.

## DESCRIPTION OF BENCH MARK

(131)  
Designation T.B.M. 1 M State Indiana County Madison  
Nearest town Elwood County Madison  
Distance and direction from nearest town 1.6 miles east  
Character of mark Chief of party  
Established by Levelling date  
Detailed description Stamping  
1.6 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, Madison County, at the intersection of State Highway 37, in the northwest quarter of the intersection, 17.5 feet southwest of bench mark M 206 (I.H.C.), and in power pole MA 26-114. A railroad spike.

## DESCRIPTION OF BENCH MARK

(131)  
Designation P 206 State Indiana County Madison  
Nearest town Elwood County Madison  
Distance and direction from nearest town At Elwood  
Character of mark A bronze disk Stamping P 206 1946  
Established by U.S.C. & G.S.  
Detailed description At Elwood, about 0.8 mile east along State Highway 28 from its intersection with Highway 13, set vertically in the east face of the concrete block foundation of the Wesleyan Methodist Church on the corner of East Main Street and 27th Street, 1 foot south of the northeast corner and about 2 feet above the ground.

## DESCRIPTION OF BENCH MARK

(132)  
Designation Q 206 State Indiana County Madison  
Nearest town Elwood County Madison  
Distance and direction from nearest town At Elwood  
Character of mark A bronze disk Stamping Q 206 1946  
Established by U.S.C. & G.S.  
Detailed description At Elwood, set vertically in the east face of the limestone masonry wall at the southeast corner of the Post Office building, 1 foot north of the south-east corner and about 3.8 feet above the side walk.

## DESCRIPTION OF BENCH MARK

(133)  
Designation ELWOOD State Indiana County Madison  
Nearest town Elwood County Madison  
Distance and direction from nearest town At Elwood  
Character of mark A bronze triangulation disk Stamping ELWOOD 1934  
Established by U.S.C. & G.S.  
Detailed description At Elwood, about 0.75 mile west along State Highway 28 from its intersection with State Highway 13, thence 1 block south along 4th Street; at the junction of A Street, 89 feet northwest of the northwest corner of the loading platform of the Stokely Food, Inc. Plant No. 31, 51 feet southeast of a telephone pole, 114 feet east of the prolonged center line of 4th Street, 40 feet south of the center line of A street, about 1 foot above the street and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

(134)  
Designation ELWOOD NO 1 State Indiana County Madison  
Nearest town Elwood County Madison  
Distance and direction from nearest town At Elwood  
Character of mark A bronze triangulation reference disk Stamping ELWOOD NO 1 1934  
Established by U.S.C. & G.S.  
Detailed description At Elwood, about 0.7 mile west along State Highway 28 from the intersection of State Highway 13 at Elwood, thence one block south along 5th Street; 133 feet northeast of the northwest corner of the loading platform of the Stokely Foods, Inc. Plant No. 31, 154 feet east of station ELWOOD, 79 feet west of the prolonged center line of 5th Street, 24 feet south of the center line of A Street, 6 inches south of the south edge of the side walk, level with the side walk, and set in the top of a concrete post projecting 2 inches.

APRIL 1971

U.S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929QUAD 400853 PAGE NO. 32  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MONCIE MK 16-12

## DESCRIPTION OF BENCH MARK

Designation ELWOOD (AZI) State Indiana County Madison  
Nearest town Elwood  
Distance and direction from nearest town At Elwood  
Character of mark A bronze triangulation reference disk  
Established by U.S.C. & G.S. Stamping ELWOOD AZIMUTH 1934  
Detailed description At Elwood, about 0.8 mile west along State Highway 28 from its intersection with State Highway 13 at Elwood, thence about 0.25 mile south along 3rd Street to its junction with D Street; about 95 yards east of the center line of 3rd Street, set on the lawn of the house at 327 D Street, 64.3 feet northeast of the northwest corner of the house, 47.4 feet northwest of a 32 inch ash tree, 51 feet north-northeast of the northeast corner of the house, 38.2 feet northeast of a 32 inch ash tree, about level with the street, and set in the top of a concrete post projecting 3 inches.  
Note: D Street is the first street south of the New York, Chicago and St. Louis Railroad.

## DESCRIPTION OF BENCH MARK

Designation R 206 State Indiana County Tipton  
Nearest town Elwood  
Distance and direction from nearest town About 1.75 miles west  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping R 206 1946  
Detailed description About 1.75 miles west along State Highway 28 from its intersection with State Highway 13 at Elwood, about 90 yards west of a two story white house on the north side of the highway, set in the top of the west end of the north concrete head wall of a 24 inch concrete pipe culvert, 130 feet west of a CURVE sign, 21 feet north of and about 1 foot below the center line of the highway.

## DESCRIPTION OF BENCH MARK

Designation S 206 State Indiana County Tipton  
Nearest town Elwood  
Distance and direction from nearest town About 2.9 miles west  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping S 206 1946  
Detailed description About 2.9 miles west along State Highway 28 from its intersection with State Highway 13 at Elwood, about 0.4 mile west of a 30 foot concrete bridge over Polywog Creek, about 0.15 mile east of a north-south road (gravel south, and black top leading north to Curtisville), at a "T" fence corner in the north right-of-way fence, 137 feet east of a telephone pole, 31 feet north of the center line of the highway, 5.5 feet west of the "T" fence post, 9 feet south-west of a highway right-of-way marker, about level with the highway, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation T 206 State Indiana County Tipton  
Nearest town Elwood  
Distance and direction from nearest town About 4.1 miles west  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping T 206 1946  
Detailed description About 4.1 miles west along State Highway 28 from its intersection with State Highway 13 at Elwood, about 1.55 miles east of the Crossroads at Hobbs, set in the southeast quarter of a north-south gravel road, and in the northeast quarter of the crossing of the New York, Chicago and St. Louis Railway and the gravel road, 37 feet south of the center line of the highway, 41 feet north of the north rail of the track, 26 feet east of the center line of the gravel road, 15 feet south of the east end of a 14 inch pipe culvert under the gravel road, 15 feet northeast of a telephone pole, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation U 206 State Indiana County Tipton  
Nearest town Hobbs  
Distance and direction from nearest town About 0.45 mile east  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping U 206 1946  
Detailed description About 0.45 mile east along State Highway 28 from the Crossroads at Hobbs, about 75 yards west of mile post P 212, on a curve in the highway with tangents extending northwest and east, set in the top of the northeast end of the southeast concrete abutment of a 12 foot concrete bridge, 15 feet northeast of and about 0.4 foot above the center line of the highway.

## RECOVERY NOTE, BENCH MARK

Designation V 206 State Indiana County Tipton  
Nearest town Hobbs  
Distance and direction from nearest town 0.55 miles west  
Character of mark Bronze disk  
Also horizontal control point ☐  
Detailed report: Present condition DESTROYED  
Chief of party USGS  
Recovery date May 6, 1959  
Stamping V 206 1946

Top of monument broken off section with imprint of disc lying nearby.

## DESCRIPTION OF BENCH MARK

Designation T.B.M. 4 M State Indiana County Tipton  
Nearest town Hobbs  
Distance and direction from nearest town 0.55 mile west  
Character of mark  
Established by  
Detailed description 0.55 mile west along State Highway 28 from the crossroads at Hobbs, at the intersection of State Highway 213, in the southwest quarter of the intersection, at a culvert under State Highway 213, and on the southwest corner of the west headwall. A chiseled square.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

# VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 33  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 106

## DESCRIPTION OF BENCH MARK

N/A  
Designation W 206 State Indiana County Tipton  
Nearest town Hobbs County Tipton  
Distance and direction from nearest town About 1.55 miles west  
Character of mark A bronze disk Stamping W 206 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.55 miles west along State Highway 28 from the Crossroads at Hobbs, about 1.0 mile west of the intersection of State Highway 213, at a north-south gravel road, 171 feet northwest and across the intersection from the northwest corner of a two story white farm house, 37 feet west of the center line of the north-south road, 29 feet north of the center line of the highway, 6 feet west of a highway R.O.W. marker, 1 foot south of the fence line, 5.5 feet west-northwest of telephone pole 321, about 1 foot above the intersection, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

N/A  
Designation X 206 State Indiana County Tipton  
Nearest town Hobbs County Tipton  
Distance and direction from nearest town About 2.55 miles west  
Character of mark A bronze disk Stamping X 206 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.55 miles west along State Highway 28 from the Crossroads at Hobbs, about 2.5 miles east of the Court House at Tipton, at a north-south gravel road, 40 feet east of the center line of the gravel road, 29 feet north of the center line of the highway, 6 feet east of a highway R.O.W. marker, 4.5 feet east of a telephone pole, 1.5 feet south of the fence line, about 1.5 feet below the highway, and set in the top of a concrete post projecting 4 inches.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 34  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 107

## DESCRIPTION OF BENCH MARK

Designation S 209 State Indiana County Hamilton  
Nearest town Cicero County Hamilton  
Distance and direction from nearest town About 1.35 miles east  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping S 209 1946

Detailed description About 1.35 miles east along a black top road leading to Strawtown from the Hamilton County State Bank at Cicero, about 0.2 mile east of a right angle turn in the road with tangents extending east and north, at the junction of a gravel road leading south, 16 feet north of the center line of the black top road, 14 feet west of power pole No. 57/428, 3.5 feet southwest of a gas line R.O.W. marker, 1.5 feet south of a "T" fence corner post in the north right-of-way fence, and about in line with the road leading south. Set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation P 205 State Indiana County Hamilton  
Nearest town Cicero County Hamilton  
Distance and direction from nearest town About 2.3 miles east  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping P 205 1946

Detailed description About 2.3 miles east along a black top road leading to Strawtown from the Hamilton County State Bank at Cicero, at the junction of a gravel road leading north, 57 feet north of the center line of the black top road, 39.5 feet north of power pole 57/507, 38 feet north of a fence corner, 16 feet west of the center line of the road leading north, 1 foot east of the fence line, about level with the junction, and set in the top of a concrete post projecting 6 in.

Note: This mark maybe reached from State Highway 37 at Strawtown by going about 1.95 miles west along a paved road leading to Cicero.

## DESCRIPTION OF BENCH MARK

Designation R 209 State Indiana County Hamilton  
Nearest town Strawtown County Hamilton  
Distance and direction from nearest town About 1.2 miles west  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping R 209 1946

Detailed description About 1.2 miles west along a paved road leading to Cicero from the junction of State Highway 37 at Strawtown, at a double span steel bridge over the White River, set in the top of the northeast end of the center pier of the bridge, 23 feet northeast and across the bridge from a Gaging Station, 10 feet northeast of the center line of the bridge, and about 1 foot below the bridge floor.

## DESCRIPTION OF BENCH MARK

Designation Q 209 State Indiana County Hamilton  
Nearest town Strawtown County Hamilton  
Distance and direction from nearest town At Strawtown  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping Q 209 1946

Detailed description At Strawtown, along State Highway 37, set in the top of the southwest end of the northwest concrete bridge railing of the bridge over White River, 18 feet northwest of and about 3.5 feet above the center line of highway 37.

## DESCRIPTION OF BENCH MARK

Designation P 209 State Indiana County Hamilton  
Nearest town Strawtown County Hamilton  
Distance and direction from nearest town About 1.0 mile east  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping P 209 1946

Detailed description About 1.0 mile east along a gravel road from its junction with State Highway 37 at Strawtown, set at a "T" fence corner post in the south right-of-way fence, 281 feet east-southeast and across the road from the southeast corner of a large red barn, 19 feet south of the center line of the road, 14 feet east of a 10 inch concrete fence post, 1 foot north of the "T" fence post and in line with the fence leading south, about level with the road, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation N 209 State Indiana County Hamilton  
Nearest town Strawtown County Hamilton  
Distance and direction from nearest town About 2.0 miles east  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping N 209 1946

Detailed description About 2.0 miles east along a gravel county road from its junction with State Highway 37 at Strawtown, about 0.45 mile west of the junction of a gravel road leading south, 121 feet southwest and across the road from the southwest corner of the home of George H. Eakin, 20 feet south of the center line of the road, 26 feet west of the extended center line of the drive way, 4.5 feet east of a telephone pole and in line with the row of poles, about level with the road, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation M 209 State Indiana County Hamilton  
Nearest town Strawtown County Hamilton  
Distance and direction from nearest town About 3.05 miles east  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping M 209 1946

Detailed description About 3.05 miles east along a gravel county road from its junction with State Highway 37 at Strawtown, about 100 yards south of a two story white farm house on the northwest side of the road, set in the top of the southwest end of the southwest concrete railing over the southwest concrete wingwall of a 48 foot steel truss bridge over a creek, 15 feet northwest of and about 2.5 feet above the center line of the road.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 35  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 107,108

ANDERSON NORTH QUAD.

LINE 108

## DESCRIPTION OF BENCH MARK

N/A  
Designation L 209 State Indiana County Hamilton  
Nearest town Strawtown County Hamilton  
Distance and direction from nearest town About 3.85 miles east  
Character of mark A bronze disk Stamping L 209 1946  
Established by U.S.C. & G.S.  
Detailed description About 3.85 miles east along a gravel county road from its intersection with State Highway 37 at Strawtown, about 1.05 miles west of the junction of State Highway 13, 146 feet northwest and across the road from the northwest corner of a two story imitation brick house, about 75 yards northeast of the junction of a gravel road leading south, 76 feet southeast of the southeast corner of a large red barn, 22 feet north of the center line of the road, 8.5 feet west of a 24 inch concrete fence corner post, 2 feet south of the fence line, about level with the road, and set in the top of a concrete post projecting 6 inches.  
Mark may be reached from the concrete bridge over West Fork White River by going about 0.3 mile south along State Highway 13, thence about 1.05 miles west along a gravel road leading to Strawtown.

## DESCRIPTION OF BENCH MARK

(136)  
Designation T.B.M. 1-L State Indiana County Madison  
Nearest town Linwood County Madison  
Distance and direction from nearest town At Linwood November 1946  
Character of mark A Chiseled square Stamping  
Established by U. S. C. & G. Survey  
Detailed description At Linwood, on the northeast corner of the scale platform of the Linwood Grain Company, 11 feet east of the northeast corner of the Linwood Grain Company Building, and 48 feet south of U.S.C. & G.S. B. M. V 4.

## DESCRIPTION OF BENCH MARK

DESTROYED  
Designation U 193 State Indiana County Madison  
Nearest town Linwood County Madison  
Distance and direction from nearest town About 0.3 mile west Stamping U 193 1946  
Character of mark A bronze disk  
Established by U.S.C. & G.S.

Detailed description About 0.3 mile west along a county road from the District 11, LaPayette Township School at Linwood, set in the northwest angle of the intersection of a gravel cross road, 32 feet north of the center line of the east-west road, 15 feet west of the center line of the north-south road, 11.5 feet north of a fence corner, 0.8 foot east of the fence line, about 1 foot below the roads, and set in the top of a concrete post projecting 6 inches.

\* NOTE -- Searched for but not recovered in November 1958. The north-south county road has been rebuilt and the reference distances now fall within the roadway. The mark has probably been destroyed.

## DESCRIPTION OF BENCH MARK

(137)  
Designation V 193 State Indiana County Madison  
Nearest town Linwood County Madison  
Distance and direction from nearest town About 1.35 miles west Stamping V 193 1946  
Character of mark A bronze disk  
Established by U.S.C. & G.S.

Detailed description About 1.35 miles west along a county road from District 11 LaPayette Township School at Linwood, at a north-south gravel cross road, 33 feet south of the center line of the east-west road, 15 feet west of the center line of the north-south road, 9 feet south of a fence corner, 1 foot east of the fence line, 3 feet south of power pole No. MA 53 52 with a transformer, about level with the roads, and set in the top of a concrete post projecting 6 inches.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 36  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNGIE NK 16-12

FRANKTON QUAD

## DESCRIPTION OF BENCH MARK

Designation W 193 State Indiana County Madison  
Nearest town Linwood County Madison  
Distance and direction from nearest town About 2.35 miles west  
Character of mark A bronze disk Stamping W 193 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.35 miles west along a county road from District 11 Lafayette Township School at Linwood, at the northeast angle of a north-south gravel road crossing, set vertically in the south face of a 1 by 1 foot concrete fence corner post, 16 feet north of the east-west road, 16 feet east of the north-south road, and about 3 feet above the ground.

## DESCRIPTION OF BENCH MARK

Designation Z 193 State Indiana County Madison  
Nearest town Linwood County Madison  
Distance and direction from nearest town About 5.45 miles west  
Character of mark A bronze disk Stamping Z 193 1946  
Established by U.S.C. & G.S.  
Detailed description About 4.4 miles west along a county road from the District 11 Lafayette Township School at Linwood, thence about 1.05 miles south along a paved county road, set in the southwest quarter of a gravel road crossing, 25 feet west of the center line of the paved road, 21 feet south of the center line of the gravel road, 6 feet south of a fence corner, 1 foot east of the fence line, about level with the intersection, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation X 193 State Indiana County Madison  
Nearest town Linwood County Madison  
Distance and direction from nearest town About 3.4 miles west  
Character of mark A bronze disk Stamping X 193 1946  
Established by U.S.C. & G.S.  
Detailed description About 3.4 miles west along a county road from the District 11 Lafayette Township School at Linwood, set in the northeast angle of a north-south gravel cross road, and at the crossing of the Pennsylvania Railroad, 62 feet southwest of the southwest rail of the Pennsylvania Railroad, 30 feet east of the center line of the north-south road, 19 feet north of the center line of the east-west road, 33 feet southeast of power pole MA 53 122, about level with the roads, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation A 194 State Indiana County Madison  
Nearest town Linwood County Madison  
Distance and direction from nearest town About 6.55 miles west  
Character of mark A bronze disk Stamping A 194 1946  
Established by U.S.C. & G.S.  
Detailed description About 4.4 miles west along a county road from District 11 Lafayette Township School at Linwood, thence about 1.05 miles south along a county paved road, thence about 1.1 miles west along a gravel road; at a correction jog in the east-west section line road, set in the southwest angle of a north-south gravel road and the west tangent of the section line road, about 200 feet south of the center line of the east tangent of the section line road, 17 feet west of the center line of the north-south road, 26 feet south of the center line of the west tangent of the road, 9.3 feet south of a fence corner, 1 foot east of the fence line, 8.2 feet south of power pole MA 595, about level with the roads, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation Y 193 State Indiana County Madison  
Nearest town Linwood County Madison  
Distance and direction from nearest town About 4.4 miles west  
Character of mark A bronze disk Stamping Y 193 1946  
Established by U.S.C. & G.S.  
Detailed description About 4.4 miles west along a county road from District 11 Lafayette Township School at Linwood, at a north-south paved road crossing, 22 feet south of the center line of the gravel road, 24 feet east of the paved road, 7.5 feet south of a telephone pole, near the northwest corner of a cultivated field, about 1 foot below the roads, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation B 194 State Indiana County Madison  
Nearest town Linwood County Madison  
Distance and direction from nearest town About 7.55 miles west  
Character of mark A bronze disk Stamping B 194 1946  
Established by U.S.C. & G.S.  
Detailed description About 4.4 miles west along a county road from District 11 Lafayette Township School at Linwood, thence about 1.05 miles south along a paved county road, thence about 2.1 miles west along a gravel road; at a north-south gravel cross road, set in the top of the east end of the northwest wing wall of a 20 foot concrete bridge on the cross road, 23 feet south of the east-west road, 8.5 feet west of the center line of the north-south road, about level with the intersection.

NOT RECOVERED 1962 USGS Report.

APRIL 1971

U.S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

# VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 37  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 108

143

## DESCRIPTION OF BENCH MARK

Designation C 194 State Indiana County Madison  
Nearest town Linwood  
Distance and direction from nearest town About 8.45 miles west  
Character of mark A bronze disk Stamping C 194 1946  
Established by U.S.C. & G.S.  
Detailed description About 4.4 miles west along a county road from the District 11, LaFayette Township School at Linwood, thence about 1.05 miles south along a paved county road, thence about 3.0 miles west along a gravel road; set in the top of the southeast end of the northwest wing wall of a 150 foot concrete deck steel bridge over Pipe Creek, 12 feet north of and about level with the center line of the road.

144

## DESCRIPTION OF BENCH MARK

Designation D 194 State Indiana County Madison  
Nearest town Linwood  
Distance and direction from nearest town About 9.65 miles west  
Character of mark A bronze disk Stamping D 194 1946  
Established by U.S.C. & G.S.  
Detailed description About 4.4 miles west along a county road from District 11 LaFayette Township School at Linwood, thence about 1.05 miles south along a paved county road, thence about 4.2 miles west along a gravel road, about 1.2 miles west of the bridge over Pipe Creek, set in the southwest angle of the intersection of a north-south gravel road, 27 feet south of the center line of the east-west road, 17 feet west of the center line of the north-south road, 9 feet south of a fence corner, 1 foot east of the fence line, about level with the roads, and set in the top of a concrete post projecting 5 inches.  
Note: Mark may be reached by going about 2.5 miles north along State Highway 13 from the concrete bridge over West Fork White River at Perkinsville, thence about 1.0 mile east along a gravel road.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 38  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

FAIRMOUNT

LINE 109

## DESCRIPTION OF BENCH MARK

Designation GRA G12 (Ind. H. Comm) State Indiana County Grant  
Nearest town Fairmount County Grant November 1946  
Distance and direction from nearest town At Fairmount  
Character of mark An Ind. Highway Comm. Survey disk Stamping GRA G 12  
Established by Indiana Highway Commission  
Detailed description At Fairmount, about 0.25 mile west along State Highway 26 from its crossing of the New York Central Railroad, 0.25 mile east of a school building, set in the top of the north end of the west abutment of a 33 foot concrete bridge across Back Creek, 22 feet north of the center line of the highway, 0.6 foot north of the concrete banister, and about 0.5 foot above the highway.

## RECOVERY NOTE, BENCH MARK

R

Designation K 204 State Indiana County Grant  
Nearest town Fairmount Described in Chief of party USGS  
Distance and direction from nearest town 3.05 miles west Recovery date May 1959  
Character of mark Bronze disk Established by USC&GS Stamping K 204 1946  
Also horizontal control point ☐ Present condition DESTROYED  
Detailed report

New bridge constructed.

## DESCRIPTION OF BENCH MARK

Designation L 204 State Indiana County Grant  
Nearest town Hackleman County Grant  
Distance and direction from nearest town About 1.7 miles east Stamping L 204 1946  
Character of mark A bronze disk  
Established by U.S.C. & G.S.  
Detailed description About 1.7 miles east along State Highway 26 from the Crossroads at Hackleman, about 0.35 mile west of a cross road, about 1.1 mile east of the intersection of State Highway 37, 0.6 mile east of the Liberty School and a cross road, set in the top of the west end of the 8.5 foot south concrete head wall of a 24 inch pipe culvert, 24 feet south of the center line of the highway, and about level with the highway.

## DESCRIPTION OF BENCH MARK

Designation H 204 State Indiana County Grant  
Nearest town Fairmount County Grant  
Distance and direction from nearest town About 1.45 miles west Stamping H 204 1946  
Character of mark A bronze disk  
Established by U.S.C. & G.S.  
Detailed description About 1.45 miles west along State Highway 26 from its crossing with the New York Central Railroad at Fairmount, at the intersection of State Highway 9, 150 feet east of the center line of highway 9, 49 feet south of the center line of highway 26, 12 feet southwest of a highway R.O.W. marker, 11 feet southwest of a fence corner post, 1 foot northwest of the fence line, about 1.5 feet below the intersection, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation M 204 State Indiana County Grant  
Nearest town Hackleman County Grant  
Distance and direction from nearest town About 0.6 mile east Stamping M 204 1946  
Character of mark A bronze disk  
Established by U.S.C. & G.S.  
Detailed description About 0.6 mile east along State Highway 26 from the Crossroads at Hackleman, at the intersection of State Highway 37, set in the top of the southwest end of the northwest head wall of a 5 foot concrete culvert under the intersection, 36 feet north of the center line of highway 26, 43 feet northwest of the center line of the intersection, and about level with the highways.

## RECOVERY NOTE, BENCH MARK

R

Designation J 204 State Indiana County Jonesboro  
Nearest town Fairmount Described in Chief of party USGS  
Distance and direction from nearest town 2.2 miles west Recovery date May 1959  
Character of mark Bronze disk Established by USC&GS Stamping J 204 1946  
Also horizontal control point ☐ Present condition DESTROYED  
Detailed report

New bridge constructed.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

# VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 39  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 109

POINT ISABELL

## DESCRIPTION OF BENCH MARK

(199)  
Designation N 204 State Indiana County Grant  
Nearest town Hackleman County Grant  
Distance and direction from nearest town About 0.25 mile west  
Character of mark A bronze disk Stamping N 204 1946  
Established by U.S.C. & G.S.  
Detailed description About 0.25 mile west along State Highway 26 from the Crossroads at Hackleman, about 0.5 mile east of a concrete bridge over Grass Fork Creek, set in the top of the west end of the 8.5 foot south concrete head wall of a 24 inch pipe culvert, 25 feet south of and about level with the center line of the highway.

DESTROYED

## RECOVERY NOTE, BENCH MARK

R

Designation P 204 State Indiana County Grant  
Nearest town Hackleman Described as Chief of party USGS  
Distance and direction from nearest town 0.75 miles west Recovery date April 1959  
Character of mark Bronze disk Established by USC&GS Stamping P 204 1946  
Also horizontal control point ☐ Present condition DESTROYED  
Detailed report:

This bench mark was destroyed by bridge construction.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 40  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

FAIRMOUNT

## LINE 110

## DESCRIPTION OF BENCH MARK

200  
Designation Z 216 State Indiana County Grant  
Nearest town Fairmount County Grant  
Distance and direction from nearest town About 2.15 miles southeast  
Character of mark A bronze disk Stamping Z 216 1947  
Established by U.S.C. & G.S.  
Detailed description About 1.6 miles south along the New York Central Railroad from the Station at Fairmount, thence about 0.55 mile east along a gravel county road; at the junction of a road leading north, 19.5 feet north of the center line of the road, 41 feet east of the center line of the road north, 4 feet west of a telephone pole, 2 feet east of a gate post, 1 foot south of a fence line, 1 foot west of a white wooden witness post, about level with the road and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

201  
Designation A 217 State Indiana County Grant  
Nearest town Fairmount County Grant  
Distance and direction from nearest town About 3.05 miles southeast  
Character of mark A bronze disk Stamping A 217 1947  
Established by U.S.C. & G.S.  
Detailed description About 1.6 miles south along the New York Central Railroad from the Station at Fairmount, thence about 1.45 miles east along a gravel county road; at the junction of a road leading south, about 78 yards east and across the road south from Grant Church, 194 feet east of the center line of the road south, 18 feet south of the center line of the road, 144.5 feet northeast of the northeast corner of a concrete foundation of an abandoned school, 21 feet west of telephone pole No. 2540, 2 feet west of a concrete fence corner post, 1.5 feet north of a white wooden witness post, 1 foot above the road and set in the top of a concrete post projecting 5 inches.

GAS CITY

## DESCRIPTION OF BENCH MARK

202  
Designation B 217 State Indiana County Grant  
Nearest town Fairmount County Grant  
Distance and direction from nearest town About 4.1 miles southeast  
Character of mark A bronze disk Stamping B 217 1947  
Established by U.S.C. & G.S.  
Detailed description About 1.6 miles south along the New York Central Railroad from the Station at Fairmount, thence about 2.5 miles east along a gravel county road; at the junction of a gravel road leading north, set in the top of the northwest wing wall of a 12 foot concrete bridge over a drainage ditch, 31 feet east of the center line of the side road, 11.5 feet north of the center line of the east-west road, 1 foot north of the concrete railing and about level with the road.

## DESCRIPTION OF BENCH MARK

203  
Designation C 217 State Indiana County Grant  
Nearest town Fairmount County Grant  
Distance and direction from nearest town About 5.05 miles southeast  
Character of mark A bronze disk Stamping C 217 1947  
Established by U.S.C. & G.S.  
Detailed description About 1.6 miles south along the New York Central Railroad from the Station at Fairmount, thence about 3.45 miles east along a gravel road, at the junction of a black top road, 40 yards west of the prolonged center line of the black top road north to Fowlerston, 19 feet west of the center line of the black top road south, 27 feet south of the center line of the gravel road, 6 feet south of a telephone pole, 10 feet south of an iron pipe fence corner post, 1 foot east of the fence line, 1 foot north of a white wooden witness post, about level with the roads and set in the top of a concrete post projecting 5 inches.  
NOTE: Mark may be reached from Matthews, Grant County by going about 0.55 mile north along U. S. Highway 35 from its junction with State Highway 221, thence about 3.6 miles west along a gravel road, thence about 0.25 mile north along a black top road.

## DESCRIPTION OF BENCH MARK

204  
Designation D 217 State Indiana County Grant  
Nearest town Matthews County Grant  
Distance and direction from nearest town About 3.65 miles northwest  
Character of mark A bronze disk Stamping D 217 1947  
Established by U.S.C. & G.S.  
Detailed description About 0.55 miles north along U. S. Highway 35 from the junction of State Highway 221 at Matthews, thence about 3.1 miles west along a gravel road; about 0.4 mile west of the crossing of the Chesapeake and Ohio Railroad, at a gravel cross road, 25 feet west of the center line of the cross road, 17.5 feet north of the center line of the east-west road, 4 feet west of a fence corner, 1 foot south of the fence line, 1.5 feet east of a white wooden witness post, about 1 foot above the road and set in the top of a concrete post projecting 5 inches.

## DESCRIPTION OF BENCH MARK

205  
Designation E 217 State Indiana County Grant  
Nearest town Matthews County Grant  
Distance and direction from nearest town About 2.55 miles northwest  
Character of mark A bronze disk Stamping E 217 1947  
Established by U.S.C. & G.S.  
Detailed description About 0.55 mile north along U. S. Highway 35 from its junction with State Highway 221 at Matthews, thence about 2.0 miles west along a gravel county road, at T.M. Couch Walnut Level Farm, 64 feet northeast of the northeast corner of the farm house, 51 feet east of the center line of the walk to the house, 16 feet south of the center line of the road, 3.5 feet east of a concrete fence corner post, 1 foot north of the fence line, 2 feet east of a telephone pole, 2 feet west of a white wooden witness post, about level with the road and set in the top of a concrete post projecting 5 inches.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 41  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 110

(206)

## DESCRIPTION OF BENCH MARK

Designation F 217 State Indiana County Grant  
Nearest town Matthews County Grant  
Distance and direction from nearest town About 1.65 miles northwest  
Character of mark A bronze disk Stamping F 217 1947  
Established by U.S.C. & G.S.  
Detailed description About 0.55 mile north along U. S. Highway 35 from the junction of State Highway 221 at Matthews, thence about 1.1 miles west along a gravel county road, at the junction of a gravel road leading south, about 90 yards east of the crossing of a power transmission line, 26 feet south of the center line of the east-west road, 20 feet west of the center line of the road south, 6 feet south of an iron rail fence corner post, 1 foot east of the fence line, 1.5 feet north of a white wooden witness post, about level with the road and set in the top of a concrete post projecting 4 inches.

(207)

## DESCRIPTION OF BENCH MARK

Designation G 217 State Indiana County Grant  
Nearest town Matthews County Grant  
Distance and direction from nearest town About 0.55 mile north  
Character of mark A bronze disk Stamping G 217 1947  
Established by U.S.C. & G.S.  
Detailed description About 0.55 mile north along U. S. Highway 35 from the junction of State Highway 221 at Matthews, at the junction of a road leading southwest, set vertically in the southeast brick wall of the Harmony Baptist Church, 1 foot northeast of the south corner of the church building and 2.3 feet above the ground.

(208)

## DESCRIPTION OF BENCH MARK

Designation Y 216 State Indiana County Grant  
Nearest town Matthews County Grant  
Distance and direction from nearest town At Matthews  
Character of mark A bronze disk Stamping Y 216 1947  
Established by U.S.C. & G.S.  
Detailed description At Matthews, about 0.3 mile southwest along State Highway 221 from the post office, at the junction of U. S. Highway 35, 39.5 feet southeast of the center line of highway 221, 60.5 feet northeast of the center line of highway 35, 2 feet south of a 4-inch iron pipe fence corner post, 13 feet south of power pole No. 109 B 218/F60, 1.5 feet northwest of a white wooden witness post, about 1 foot below the highway and set in the top of a concrete post projecting 5 inches.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 42  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

## ANDERSON NORTH

## LINE 111

## DESCRIPTION OF BENCH MARK

Designation X 218 State Indiana County Madison  
Nearest town Linwood County Madison  
Distance and direction from nearest town About 0.55 mile east  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping X 218 1947  
Detailed description About 0.55 mile east along a county road from the Grain Elevator at Linwood, set in the southwest angle of the intersection of State Highway 9, 75.5 feet west of the center line of the highway, 30 feet south of the center line of the county road, 4.0 feet east of power pole No. IGS/HA 54145, 15.5 feet southwest of the west end of the south concrete head wall of a 15-inch pipe culvert under the county road, 1 foot north of a white wooden witness post, 1.5 feet below the road and set in the top of a concrete post projecting 4 inches.

## DESCRIPTION OF BENCH MARK

Designation Y 218 State Indiana County Madison  
Nearest town Linwood County Madison  
Distance and direction from nearest town About 1.45 miles east  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping Y 218 1947  
Detailed description About 1.45 miles east along a county road to Moonville from the Grain Elevator at Linwood, about 0.1 mile west of the junction of a road south, set in the top of the southeast wing wall of a 40-foot concrete deck steel bridge over Little Kilbuck Creek, 11.5 feet south of the center line of the road, 6 feet northwest of the southeast end of the wing wall and about 1 foot below the road.

## DESCRIPTION OF BENCH MARK

Designation Z 218 State Indiana County Madison  
Nearest town Linwood County Madison  
Distance and direction from nearest town About 2.55 miles east  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping Z 218 1947  
Detailed description About 2.55 miles east along a county road leading to Moonville from the Grain Elevator at Linwood, about 1.65 miles west of the Crossroads at Moonville, at a cross road, 32 feet north of the center line of the east-west road, 15 feet east of the center line of the north-south road, 64.5 feet east and across the north-south road from the northeast gas pump of a Phillips Service Station, 12.5 feet north of a fence corner, 1.0 foot west of a fence line, 1.5 feet south of a white wooden witness post, 1 foot below the intersection and set in the top of a concrete post projecting 5 inches.

## DESCRIPTION OF BENCH MARK

Designation A 219 State Indiana County Madison  
Nearest town Moonville County Madison  
Distance and direction from nearest town About 0.65 mile west  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping A 219 1947  
Detailed description About 0.65 mile west along a county road from the Crossroads at Moonville, at a gravel cross road, 47.5 feet west of the center line of the north-south road, 18 feet south of the center line of the east-west road, 12 feet west of the west concrete gatepost, 32 feet west of a concrete gate post & fence corner post, 1 foot north of the fence line, 1.5 feet east of a white wooden witness post, 1 foot below the road and set in the top of a concrete post projecting 4 inches.

## DESCRIPTION OF BENCH MARK

Designation B 219 State Indiana County Madison  
Nearest town Moonville County Madison  
Distance and direction from nearest town About 0.4 mile east  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping B 219 1947  
Detailed description About 0.4 mile east along a gravel county road from the Crossroads at Moonville, about 0.95 mile west of the Madison-Delaware County Line Crossroad, set in the top of the southeast wing wall of a 100-foot concrete deck steel bridge over Big Kilbuck Creek, 13 feet south of and about level with the center line of the road.

Note: Mark may be reached from the Crossroads at Gilman, Madison County by going about 2.7 miles south along the Delaware-Madison County Line Road thence about 0.95 mile west along a road leading to Linwood via Moonville.

GILMAN

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

# VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 43  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 112

GAS CITY

LINE 112

209

## DESCRIPTION OF BENCH MARK

Designation F 203 State Indiana County Grant  
Nearest town Upland County Grant  
Distance and direction from nearest town About 1.8 miles north  
Character of mark A bronze disk Stamping F 203 1946  
Established by U.S.C. & G.S.  
Detailed description About 1.6 miles north along State Highway 221 from the Pennsylvania Railroad Station at Upland, 1.0 mile north of the junction of State Highway 22, at a gravel cross road, 0.4 mile south of a cemetery, 47 feet west of the center line of the highway, 11 feet south of the center line of the cross road, set in the top of the west end of the south head wall of an 8 foot concrete culvert under the road leading west and about level with the highway.

210

## DESCRIPTION OF BENCH MARK

Designation G 203 State Indiana County Grant  
Nearest town Upland County Grant  
Distance and direction from nearest town About 0.95 mile northwest  
Character of mark A bronze disk Stamping G 203 1946  
Established by U.S.C. & G.S.  
Detailed description About 0.95 mile northwest along State Highway 221 from the Pennsylvania Railroad Station at Upland, 0.15 mile north of the junction of Highway 22, set in the top of the south end of the 6.5 foot west concrete head wall of an 18 inch pipe culvert, 30 feet west of and about level with the center line of the highway.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 44  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

MIDDLETOWN

LINE 113

## DESCRIPTION OF BENCH MARK

Designation T 218 State Indiana County Delaware  
Nearest town Chesterfield County Madison  
Distance and direction from nearest town About 1.2 miles east  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping T 218 1947  
Detailed description About 1.2 miles east along State Highway 32 from the Grammar School at Chesterfield, set in the southeast quarter of the intersection of the Delaware-Madison County Line Road, 28 feet southeast of the center line of the highway, 26 feet east of the center line of the county line road, 18.8 feet north of the north rail of the Cleveland, Cincinnati, Chicago & St. Louis Railway, 6.0 feet south of a power pole, 7 feet east of a highway R/W marker post, 1.5 feet west of a white wooden witness post, about level with the highway and set in the top of a concrete post projecting 5 inches.

## DESCRIPTION OF BENCH MARK

Designation S 218 State Indiana County Madison  
Nearest town Chesterfield County Madison  
Distance and direction from nearest town About 1.5 miles northeast  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping S 218 1947  
Detailed description About 1.2 miles east along State Highway 32 from the Grammar School at Chesterfield, thence about 0.3 mile north along the Delaware-Madison County Line Road, set in the top of the west end of the north abutment of concrete deck steel bridge over West Fork of White River, 11 feet west of the center line of the road, 1.5 feet west of the steel beam, 1 foot north of the south edge of the abutment, and about 1.5 feet below the road.

## DESCRIPTION OF BENCH MARK

Designation R 218 State Indiana County Delaware  
Nearest town Chesterfield County Madison  
Distance and direction from nearest town About 2.55 miles northeast  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping R 218 1947  
Detailed description About 1.2 miles east along State Highway 32 from the Grammar School at Chesterfield, thence about 1.35 mile north along the Delaware-Madison County Line Road, at an east-west gravel cross road, 35.5 feet north of the center line of the cross road, 15 feet east of the center line of the County Line Road, 9.5 feet north of a fence corner and gate post, 3.5 feet north of a telephone pole, 1 foot west of the fence line, 1.5 feet south of a white wooden witness post, about level with the road and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation Q 218 State Indiana County Delaware  
Nearest town Chesterfield County Madison  
Distance and direction from nearest town About 3.55 miles northeast  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping Q 218 1947  
Detailed description About 1.2 miles east along State Highway 32 from the Grammar School at Chesterfield, thence about 2.35 miles north along the Delaware-Madison County Line Road, at an east-west gravel cross road, 64 feet east of the center line of the County Line Road, 15 feet north of the center line of the cross road, 29.5 feet west of an 18-inch elm tree, 50 feet east of a telephone pole, 55 feet east-southeast of the south end of the east concrete head wall of a 12-inch pipe culvert under the County Line road, 1 foot west of a white wooden witness post, 1 foot below the road and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation P 218 State Indiana County Madison  
Nearest town Gilman County Madison  
Distance and direction from nearest town About 4.75 miles south  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping P 218 1947  
Detailed description About 4.75 miles south along the Delaware-Madison County Line Road from the Crossroads at Gilman, at the junction of a gravel road leading west, 30 feet south of the center line of the side road, 18 feet west of the center line of the County Line Road, 12.7 feet south of a fence corner post, 1.5 feet east of the fence line, 1.5 feet north of a white wooden witness post, about level with the road and set in the top of a concrete post projecting 5 inches.  
Note: Mark may be reached from Chesterfield, Madison County by going about 1.2 miles east along State Highway 32 from the Grammar School, thence about 3.35 miles north along the Madison-Delaware County Line Road.

## DESCRIPTION OF BENCH MARK

Designation N 218 State Indiana County Delaware  
Nearest town Gilman County Madison  
Distance and direction from nearest town About 3.75 miles south  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping N 218 1947  
Detailed description About 3.75 miles south along the Delaware-Madison County Line Road from the Crossroads at Gilman, at an east-west gravel road, 23 feet south of the center line of the east-west road, 16 feet east of the center line of the County Line Road, 11 feet south of power pole No. DE 7146, 6 feet south of a fence corner post, 1 foot west of the fence line, 1.5 feet north of a white wooden witness post, about level with the road and set in the top of a concrete post projecting 6 in.

GILMAN

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 45

INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 113

GILMAN

## DESCRIPTION OF BENCH MARK

Designation M 218 State Indiana County Madison  
Nearest town Gilman County Madison  
Distance and direction from nearest town About 2.7 miles south  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping M 218 1947

Detailed description About 2.7 miles south along the Delaware-Madison County Line road from the Crossroads at Gilman, at an east-west gravel cross road, 49.5 feet north of the center line of the east-west road, 16 feet west of the center line of the County Line road, 32 feet north of power pole No. MA 561, in line with the row of poles, 1 foot south of a white wooden witness post, about level with the roads and set in the top of a concrete post projecting 5 inches.

Note: Mark may be reached from the Crossroads at Moonville, Madison County by going about 1.35 miles east along a gravel county road.

## DESCRIPTION OF BENCH MARK

Designation J 218 State Indiana County Delaware  
Nearest town Gilman County Madison  
Distance and direction from nearest town At Gilman  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping J 218 1947

Detailed description At Gilman, along the Delaware-Madison County Line, at the Crossroads, 34.5 feet east of the center line of the County Line Road, 16 feet north of the center line of the cross road, 16 feet east of a concrete fence corner post, about 55 yards northeast and across the east-west road from the center of the intersection of the County Line road and the New York, Chicago and St. Louis Railroad, 1.5 feet south of the fence line, 1.5 feet west of a white wooden witness post, about 1 foot below the roads and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation L 218 State Indiana County Madison  
Nearest town Gilman County Madison  
Distance and direction from nearest town About 1.8 miles south  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping L 218 1947

Detailed description About 1.8 miles south along the Delaware-Madison County Line Road from the Crossroads at Gilman, set in the top of the north end of the west concrete head wall of a 4-foot concrete arch culvert, 34.0 feet south of the southwest corner of a wooden deck steel bridge over Big Kilbuck Creek, 13.5 feet west of the center line of the County Line Road and in line with the center of a road leading east, and about 1 foot below the road.

## DESCRIPTION OF BENCH MARK

Designation H 218 State Indiana County Madison  
Nearest town Gilman County Madison  
Distance and direction from nearest town About 1.0 mile north  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping H 218 1947

Detailed description About 1.0 mile north along the Madison-Delaware County Line Road from the Crossroads at Gilman, at the intersection of an east-west gravel road, 32 feet south of the center line of the east-west road, 16.5 feet west of the center line of the County Line Road, 13.5 feet south of a concrete fence corner post, 13 feet south of power pole No. MA 4087, 1.5 feet east of the fence line, 1.5 feet north of a white wooden witness post, about level with the roads and set in the top of a concrete post projecting 4 inches.

## DESCRIPTION OF BENCH MARK

Designation K 218 State Indiana County Madison  
Nearest town Gilman County Madison  
Distance and direction from nearest town About 1.0 mile south  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping K 218 1947

Detailed description About 1.0 mile south along the Delaware-Madison County Line Road from the Crossroads at Gilman, at the intersection of an east-west road (Gravel west and black top east), 91 feet south of the center line of the east-west road, 17 feet west of the center line of the County Line road, 30.5 feet southeast of the southeast corner of a gas station, 4.5 feet south of a fence corner, 1 foot east of the fence line, 1 foot north of a white wooden witness post, about level with the roads and set in the top of a concrete post projecting 5 inches.

## DESCRIPTION OF BENCH MARK

Designation G 218 State Indiana County Delaware  
Nearest town Gilman County Madison  
Distance and direction from nearest town About 2.0 miles north  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping G 218 1947

Detailed description About 2.0 miles north along the Delaware-Madison County line Road from the Crossroads at Gilman, set in the top of the northeast wing wall of a 15-foot concrete bridge over a ditch on the north-south road, 34 feet north of the center line of an east-west black top road, 10 feet east of the center line of the County Line road, and about level with the roads.

GASTON

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 46  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

ANDERSON SOUTH

LINE 114

## RECOVERY NOTE, BENCH MARK

Designation K 44 State Indiana County Madison  
Nearest town Emporia Described as Chief of party USGS  
Distance and direction from nearest town At Emporia Recovery date December 1960  
Character of mark Bronze disk Established by USC&GS Stamping K 44 1934  
Also horizontal control point ☐ Present condition DESTROYED  
Detailed report

Part of post found; disc gone.

R

NOT RECOVERED

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
Form 502-A

## RECOVERY NOTE, BENCH MARK

Designation L 44 State Indiana County Madison  
Nearest town Emporia Described as Chief of party USGS  
Distance and direction from nearest town At Emporia Recovery date December 1960  
Character of mark A bronze disk Established by U.S.C. & G.S. Stamping L 44 1934  
Present condition Good  
Detailed report At Emporia, along the Cleveland, Cincinnati, Chicago and St. Louis Railroad, 32.5 feet south of the southeast corner of a concrete block storage building of the Emporia Elevator Company, 38.5 feet southeast of the southwest corner of the building, 25.2 feet southwest of pole 172/24, 36 feet southwest of the southwest rail of the main track, about 2 feet below the track and set in the top of a concrete post.

NOTE: The mark happened to be uncovered at the time of recovery but is under a coal pile and is apt to be covered.

NOT RECOVERED December 1960 USGS Report.

R

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## RECOVERY NOTE, BENCH MARK

Designation M 44 State Indiana County Madison  
Nearest town Emporia Described as Chief of party USGS  
Distance and direction from nearest town 1.9 miles north Recovery date  
Character of mark Stamping  
Established by  
Present condition

Detailed report 1.9 miles north along the Cleveland, Cincinnati, Chicago & St. Louis Railway from the station at Emporia, Madison County, 0.3 mile south of a dirt-road crossing, two rails south of a whistle post, across the track from pole 170/32, 28.4 feet east of the east rail, 2.4 feet west of a wire fence, and level with the top of the rail. A standard disk, stamped "M 44 1934" and set in the top of a concrete post.

NOT RECOVERED 1960 USGS Report.

R

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## RECOVERY NOTE, BENCH MARK

Designation N 44 State Indiana County Madison  
Nearest town Anderson Described as Chief of party USGS  
Distance and direction from nearest town 3.3 miles south Recovery Date  
Character of mark Stamping  
Established by  
Present condition

Detailed report 3.3 miles south along the Cleveland, Cincinnati, Chicago & St. Louis Railway from the station at Anderson, Madison County, 8.5 feet southwest of pole 168/35, in the southwest angle of a dirt-road crossing at the H.Y. Wilson farmhouse, 57 feet south of the centerline of the road, 28.4 feet west of the west rail, 2.1 feet east of a wire fence, and about 2 feet lower than the top of the rail. A standard disk, stamped "N 44 1934" and set in the top of a concrete post.

R

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## RECOVERY NOTE, BENCH MARK

Designation P 44 State Indiana County Madison  
Nearest town Anderson Described as Chief of party USGS  
Distance and direction from nearest town 1 mile south Recovery Date  
Character of mark Stamping  
Established by  
Present condition

Detailed report 1.0 mile south along the Cleveland, Cincinnati, Chicago & St. Louis Railway from the station at Anderson, Madison County, at the South Anderson flag stop, across the track from pole 166/30, 52 yards north of an asphalt-road crossing, at the northwest corner of signal 1662, in the top of the concrete base, 6.8 feet east of the east rail, and about 1/2 foot higher than the rail. A standard disk, stamped "P 44 1934."

R

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 47  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 115

## LINE 115

ANDERSON SOUTH

## DESCRIPTION OF BENCH MARK

Designation S 247 RESET 1960 State Indiana County Madison  
Nearest town Emporia Chief of party  
Distance and direction from nearest town 1.05 miles east Levelling date 6-27-61  
Character of mark standard disk Stamping S 247 RESET 1960  
Established by C&GS  
Detailed description

This mark is located about 1.05 miles east along U.S. Highway from the junction of State Highway 109 at Emporia, at a cross road (black top-south and north), 130 feet west of the centerline of the cross road, 24 feet north of the centerline of the highway, in the center of a 6'-8" concrete headwall of a 36 x 22 inch pipe culvert, and about level with the highway.

MIDDLETOWN

## DESCRIPTION OF BENCH MARK

Designation T 247 State Indiana County Madison  
Nearest town Mechanicsburg County Henry  
Distance and direction from nearest town About 2.05 miles west Stamping T 247 1947  
Character of mark A bronze disk  
Established by U.S.C. & G.S.  
Detailed description About 2.05 miles west along U. S. Highway 36 from the main Crossroads at Mechanicsburg, about 2.05 miles east along U.S. Highway 36 from its junction with State Highway 109 at Emporia, about 1.0 mile west of the Henry-Madison County Line crossroad, at a cross road, 136 feet north of the center line of the highway, 14 feet west of the center line of the cross road, 17 feet north of an 18-inch locust tree used as a fence corner and gate post, 1 foot east of the fence, about level with the cross road and set in the top of a concrete post projecting 4 inches.

## DESCRIPTION OF BENCH MARK

Designation U 247 State Indiana County Henry  
Nearest town Mechanicsburg County Henry  
Distance and direction from nearest town About 0.85 mile west Stamping U 247 1947  
Character of mark A bronze disk  
Established by U.S.C. & G.S.  
Detailed description About 0.85 mile west along U. S. Highway 36 from the Crossroads at Mechanicsburg, about 0.55 mile west of a cemetery, 0.2 mile east of the Henry-Madison County line crossroad, 80 yards west of the junction of a road leading north, in the top of the south end of the east abutment of a 48-foot concrete bridge, 15.5 feet south of the center line of the highway. 1.1 feet south of the concrete banister, and about 0.4 foot above the highway.

## DESCRIPTION OF BENCH MARK

Designation V 247 State Indiana County Henry  
Nearest town Mechanicsburg County Henry  
Distance and direction from nearest town About 0.2 mile east Stamping V 247 1947  
Character of mark A bronze disk  
Established by U.S.C. & G.S.  
Detailed description At Mechanicsburg, about 0.2 mile east of the main Crossroads, at the east edge of town, 40 feet north of the center line of the highway, 72.5 feet west of the center of a small creek, 4.5 feet east of the east gate post of a gate to a barn yard, 18 feet southeast of the southeast corner of a fed barn, 28 feet east of the southeast corner of a yard fence around a two story house, about level with the highway and set in the top of a concrete post projecting 3 in.

## DESCRIPTION OF BENCH MARK

Designation W 247 State Indiana County Henry  
Nearest town Mechanicsburg County Henry  
Distance and direction from nearest town About 1.5 miles east Stamping W 247 1947  
Character of mark A bronze disk  
Established by U.S.C. & G.S.  
Detailed description About 1.5 miles east along U. S. Highway 36 from the Crossroads at Mechanicsburg, about 110 yards west of a black top cross road (leading north to Middletown), set in the top of the south end of the west abutment of a 50-foot concrete bridge over Deer Creek, 17 feet south of the center line of the highway, 1.5 feet south of the concrete banister and about 0.5 foot above the highway.

APRIL 1971

U.S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 48  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 116

MIDDLETOWN

(171)

## DESCRIPTION OF BENCH MARK

Designation 133 HH 25 (IGS) RESET 1961 State Indiana County Henry  
Nearest town Middletown  
Distance and direction from nearest town 4.80 miles south  
Character of mark a standard state survey disk  
Established by Indiana Highway Department  
Stamping 133 HH 25 (IGS) RESET 1961  
Detailed description  
About 3.55 miles south along a black top road from the post office at Middletown, thence about 1.25 miles east along U.S. Highway 36, about 0.6 mile west of a cross road, about 0.15 mile east of a 12-foot concrete bridge, in the northeast part of the front yard of a farm house, 45 feet south of the centerline of the highway, 50 feet northeast of the northeast corner of the farm house, 18 feet west of the centerline of the drive to a farm, 29 feet east of the east edge of a sidewalk leading to the farm house, and set in the top of a concrete post projecting 4 inches.

## DESCRIPTION OF BENCH MARK

Designation 132 CG 25 (Ind.Geod.S) State Indiana County Henry  
Nearest town Middletown  
Distance and direction from nearest town About 4.05 miles southeast  
Character of mark An Indiana Geodetic Survey disk  
Established by Indiana Geodetic Survey  
Stamping 132 CG 25  
Detailed description  
About 3.55 miles south along a black top road from the post office at Middletown, thence about 0.5 mile east along U. S. Highway 36, at a cross road, 92 feet north of the center line of the highway, 19.5 feet east of the center line of the cross road, 54.5 feet north of a fence corner, 2 feet east of a fence line, inside a cultivated field, about 1 foot above the road and set in the top of a concrete post flush with the ground.  
NOTE: MARK IS ABOUT 2.05 MILES EAST ALONG U.S. HIGHWAY 36 FROM THE MAIN CROSSROADS AT MECHANICSBURG, HENRY COUNTY.

## DESCRIPTION OF BENCH MARK

Designation FADFLY State Indiana County Henry  
Nearest town Middletown  
Distance and direction from nearest town About 4.1 miles southeast  
Character of mark A triangulation station disk  
Established by U.S.C. & G.S.  
Stamping FADFLY 1939  
Detailed description  
About 3.55 miles south along a black top road from the post office at Middletown, thence about 0.5 mile east along U.S. Highway 36, thence about 120 yards north along a gravel road; in the southeast corner of a small pasture, 36 feet west of the center line of the gravel road, 19 feet west of the road right-of-way fence, 18.5 feet north of an east-west fence around the pasture, 25 feet northwest of an iron fence corner post, 119 feet east of R.M. No. 2, 132.5 feet south of R.M. No. 1, about level with the road and set in the top of a concrete post 1 foot below the surface of the ground.

## DESCRIPTION OF BENCH MARK

Designation FADELY R.M. NO 1 State Indiana County Henry  
Nearest town Middletown  
Distance and direction from nearest town About 4.15 miles southeast  
Character of mark A triangulation reference disk  
Established by U.S.C. & G.S.  
Stamping FADELY NO 1 1939  
Detailed description  
About 3.55 miles south along a black top road from the post office at Middletown, thence about 0.5 mile east along U.S. Highway 36, thence about 165 yards north along a gravel road; along the east boundary fence of a small pasture, 151 feet north of the southeast corner of the pasture, 132.5 feet north of the station mark, 112 feet southeast of the southeast corner of a concrete block garage building, 18 feet west of the center line of the gravel road, 1 foot west of the wire fence, about 0.5 foot above the road and set in the top of a concrete post projecting 7 inches.

## DESCRIPTION OF BENCH MARK

Designation FADELY R.M. No. 2 State Indiana County Henry  
Nearest town Middletown  
Distance and direction from nearest town About 4.1 miles southeast  
Character of mark A triangulation reference disk  
Established by U.S.C. & G.S.  
Stamping FADELY NO 2 1939  
Detailed description  
About 3.55 miles south along a black top road from the post office at Middletown, thence about 0.5 mile east along U. S. Highway 36, thence about 120 yards north along a gravel road; along the south fence line of a small pasture, 47.5 feet east of the southwest corner of the pasture, 155 feet west of the center line of the gravel road, 1.8 feet north of the fence line, about level with the road and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH-MARK

Designation FADELY (AZIMUTH) State Indiana County Henry  
Nearest town Middletown  
Distance and direction from nearest town About 3.5 miles south  
Character of mark A triangulation reference disk  
Established by U.S.C. & G.S.  
Stamping FADELY AZIMUTH 1939  
Detailed description  
About 3.5 miles south along a black top road from the post office at Middletown, 271 feet north of the intersection of U. S. Highway 36, 32 feet east of the center line of the black top road, 2 feet east of a point directly in line with a row of telephone poles, 4 feet north of a white wooden witness post, about level with the road and set in the top of a concrete post projecting 4 inches.

APRIL 1971

U.S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 49  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 116

MIDDLETOWN

## DESCRIPTION OF BENCH MARK

Designation S 248 State Indiana County Henry  
Nearest town Middletown  
Distance and direction from nearest town About 2.5 miles south  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping S 248 1947

Detailed description About 2.5 miles south along a black top road from the post office at Middletown, about 1.0 mile north of the intersection of U. S. Highway 36, set in the top of the west end of the south concrete abutment of a 47-foot steel bridge over Deer Creek, 14 feet west of the center line of the road, 0.3 foot west of the steel beam, and about 3 feet below the road.

## DESCRIPTION OF BENCH MARK

Designation V 248 State Indiana County Henry  
Nearest town Middletown  
Distance and direction from nearest town About 0.1 mile south  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping V 248 1947

Detailed description About 0.1 mile south along a black top road from the post office at Middletown, about 55 yards southeast of the overpass of the Pennsylvania Railroad, in the top of the southwest end of the northeast concrete wing wall of an 80-foot steel bridge over Fall Creek, 15 feet east of the center line of the road, 3.4 feet northeast of the north end of the steel beam and about level with the road.

## DESCRIPTION OF BENCH MARK

Designation T 248 State Indiana County Henry  
Nearest town Middletown  
Distance and direction from nearest town About 1.5 miles south  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping T 248 1947

Detailed description About 1.5 miles south along a black top road from the post office at Middletown, at a cross road with an abandoned school house, 28 feet west of the center line of the road, 37 feet south of the center line of the cross road, 11 feet south of a concrete fence corner post, 2 feet east of the fence line, 1 foot below the road and set in the top of a concrete post projecting 2 inches.

## DESCRIPTION OF BENCH MARK

Designation W 248 State Indiana County Henry  
Nearest town Middletown  
Distance and direction from nearest town At Middletown  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping W 248 1947

Detailed description At Middletown, about 120 yards north along a street from the post office, at the northwest corner of Waters Park, 2.5 feet south of the west end post of a wire fence along the north side of the park, 0.9 foot east of the east edge of the sidewalk and set in the top of a concrete post flush with the ground.

## DESCRIPTION OF BENCH MARK

Designation X 248 State Indiana County Henry  
Nearest town Middletown  
Distance and direction from nearest town About 0.35 mile east  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping X 248 1947

Detailed description About 0.35 mile east along a black top road from the post office at Middletown, set in the top of the southeast end of the northwest concrete wing wall of a 75-foot steel bridge over Fall Creek, 14 feet north of the center line of the bridge floor and about level with the road.

## DESCRIPTION OF BENCH MARK

Designation U 248 State Indiana County Henry  
Nearest town Middletown  
Distance and direction from nearest town About 0.95 mile south  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping U 248 1947

Detailed description About 0.95 mile south along a black top road from the post office at Middletown, about 70 yards north of the junction of a road leading east, in the top of the south end of the 60-foot concrete head wall of a pipe culvert, 16 feet east of and about 2.5 feet above the center line of the road.

## DESCRIPTION OF BENCH MARK

Designation Y 248 State Indiana County Henry  
Nearest town Middletown  
Distance and direction from nearest town About 1.25 miles east  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping Y 248 1947

Detailed description About 1.25 miles east along a black top road from the post office at Middletown, about 0.65 mile west of a black top cross road and cemetery, at the "T" junction of a road south to a farm, 15 feet south of the center line of the road, 43 feet west of the center line of the farm road, 23.5 feet west of a round concrete fence corner post, 1 foot north of the fence line, about level with the road and set in the top of a concrete post projecting 4 inches.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 50  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

ALEXANDRIA

## LINE 117

## DESCRIPTION OF BENCH MARK

Designation U 217 State Indiana County Madison  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 1.0 mile east  
Character of mark A bronze disk Stamping U 217 1947  
Established by U.S.C. & G.S.  
Detailed description About 1.0 mile east along State Highway 28 from its intersection with State Highway 9 at Alexandria, at a gravel cross road (leading north to Summitville), 32 feet south of the center line of the highway, 28 feet west of the center line of the cross road, 4.5 feet east of a concrete fence corner post, 2 feet northeast of the fence line, 1.5 feet north of a white wooden witness post, about 2 feet above the highway and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation V 217 State Indiana County Madison  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 2.0 miles east  
Character of mark A bronze disk Stamping V 217 1947  
Established by U.S.C. & G.S.  
Detailed description About 2.0 miles east along State Highway 28 from its intersection with State Highway 9 at Alexandria, at a gravel cross road, 55.5 feet north of the center line of the highway, 21 feet west of the center line of the crossroad, 5.5 feet southwest of a fence corner, 2.0 feet southeast of the fence line, 1.5 feet east of a white wooden witness post, 1 foot above the highway and set in the top of a concrete post projecting 3 inches.

GASTON

## DESCRIPTION OF BENCH MARK

Designation W 217 State Indiana County Madison  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 3.0 miles east  
Character of mark A bronze disk Stamping W 217 1947  
Established by U.S.C. & G.S.  
Detailed description About 3.0 miles east along State Highway 28 from its intersection with State Highway 9 at Alexandria, at a gravel cross road, 38 feet west of the center line of the cross road, 29 feet south of the center line of the highway, 3.8 feet west of a fence corner, 1.2 feet north of the fence line, 1.5 feet east of a white wooden witness post, about level with the highway and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation X 217 State Indiana County Madison  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 3.9 miles east  
Character of mark A bronze disk Stamping X 217 1947  
Established by U.S.C. & G.S.  
Detailed description About 3.9 miles east along State Highway 28 from its intersection with State Highway 9 at Alexandria, at a gravel cross road, about 1.0 mile west of the Madison-Delaware County Line crossroad, 42 feet north of the center line of the highway, 18 feet east of the center line of the cross road, 6.0 feet southeast of a fence corner post, 2 feet southwest of the fence line, 1 foot east of a white wooden witness post, about 1.5 feet above the highway and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation Y 217 State Indiana County Madison  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 4.9 miles east  
Character of mark A bronze disk Stamping Y 217 1947  
Established by U.S.C. & G.S.  
Detailed description About 4.9 miles east along State Highway 28 from its intersection with State Highway 9 at Alexandria, at the Delaware-Madison County Line cross road 18.5 feet west of the center line of the county line road, 16 feet south of the center line of the highway, and set in the top of the southeast wing wall of a 12-foot concrete highway bridge, about level with the highway.  
NOTE — Searched for but not recovered in December 1958. The bridge has been widened and all evidences indicate that the mark has been destroyed.

## DESCRIPTION OF BENCH MARK

Designation Z 217 RESET 1963 State Indiana County Delaware  
Nearest town Alexandria County Delaware  
Distance and direction from nearest town 6.1 Mi. E.  
Character of mark C&GS bench mark disk  
Established by State Highway Commission  
Detailed description  
About 6.1 miles east along State Highway 28, at the junction of a gravel Road leading north, 34 feet west of the centerline of the side road, 48.4 feet north of the centerline of the highway at station 62+18 and set in the top of a concrete post projecting 6 inches.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 51  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE MC 16-12

LINE 117

GASTON

(184)

## DESCRIPTION OF BENCH MARK

Designation A 218 State Indiana County Delaware  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 7.1 miles east  
Character of mark A bronze disk Stamping A 218 1947  
Established by U.S.C. & G.S.

Detailed description About 7.1 miles east along State Highway 28 from its intersection with State Highway 9 at Alexandria, at the intersection of a gravel cross road, 45 feet west of the center line of the cross road, 29 feet south of the center line of the highway, 92 feet west and across the cross road from the west pump of a gas station, 9 feet west of fence corner, 1.5 feet north of the fence line, 1.5 feet east of a white wooden witness post, 2 feet above the highway and set in the top of a concrete post projecting 6 inches.

(185)

## DESCRIPTION OF BENCH MARK

Designation B 218 State Indiana County Delaware  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 8.1 miles east  
Character of mark A bronze disk Stamping B 218 1947  
Established by U.S.C. & G.S.

Detailed description About 8.1 miles east along State Highway 28 from its intersection with State Highway 9 at Alexandria, at a gravel cross road, 41.5 feet north of the center line of the highway, 22 feet east of the center line of the cross road, 4 feet southeast of power pole No. Del 3390/F-40, 6 feet southeast of the fence corner, 2 feet southwest of the fence line, 1 foot east of a white wooden witness post, 2 feet above the highway and set in the top of a concrete post projecting 5 in.

(186)

## DESCRIPTION OF BENCH MARK

Designation C 218 State Indiana County Delaware  
Nearest town Alexandria County Madison  
Distance and direction from nearest town About 8.85 miles east  
Character of mark A bronze disk Stamping C 218 1947  
Established by U.S.C. & G.S.

Detailed description About 8.85 mile east along State Highway 28 from the intersection of State Highway 9 at Alexandria, at a black top road crossing, (leading north to Gaston and south to Yorktown), 66 feet west of the center line of the black top road, 29 feet south of the center line of the highway, 74 feet southeast and across the highway from the southwest corner of a 2-story white frame house, 4.8 feet west of a concrete fence corner post, 1.5 feet north of the fence line, 1.5 feet east of a white wooden witness post, about level with the highway and set in the top of a concrete post projecting 6 inches.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 52  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

## LINE 118

## DESCRIPTION OF BENCH MARK

N/A

Designation X 26 State Indiana County Howard  
Nearest town Greentown Chief of party W.M. Gibson  
Distance and direction from nearest town 4.2 Mi. E of Levelling date Oct. 1934  
Character of mark Standard disk Stamping X 26 1934  
Established by USC&GS  
Detailed description 4.2 miles east along the New York, Chicago & St. Louis Railroad from the station at Greentown, Howard County, 1.8 miles west of the station at Sims, 15 yards southwest of section post 8855, 1-1/2 yards southeast of pole 167/30, at a gravel-road crossing, 9 yards east of the centerline of the road, 8 yards south of the south rail, and 3-1/2 yards northeast of a concrete post at a fence corner. A standard disk, stamped "X 26 1934" and set in the top of a concrete post projecting 1 foot above ground.

## DESCRIPTION OF BENCH MARK

N/A

Designation U 191 State Indiana County Howard  
Nearest town Greentown Chief of party C. Symms, Jr.  
Distance and direction from nearest town 0.5 mile west Oct. 1946  
Character of mark A bronze disk Stamping U 191 1946  
Established by U.S.C. & G.S.  
Detailed description 0.5 mile west along the New York Chicago and St. Louis Railroad from the Station at Greentown, at a black top street crossing, 137 feet east of pole No. 172/15, 31 feet southwest of the center line of the street, 26 feet north of the north rail of the main track, 1.8 feet south of the fence line, level with the track, and set in the top of a concrete post projecting 6 inches.

## REPORT ON CONDITION OF BENCH MARK

N/A

Designation Y 26 State Indiana County Howard  
Nearest town Greentown Chief of party C. Symms, Jr.  
Distance and direction from nearest town 1.6 miles east Oct. 1946  
Character of mark A bronze disk Stamping Y 26 1934  
Established by U.S. Coast & Geodetic Survey  
Present condition Good  
Detailed Report 1.6 miles east along the New York Chicago and St. Louis Railroad from the Station at Greentown, at a gravel road crossing, 78 feet east of the center line of the gravel road, 72 feet west of pole No. 170/10, 22 feet north of the north rail of the track, 6 feet south of the fence line, about 1.5 feet below the rail, and set in the top of a concrete post projecting 15 inches.

## RECOVERY NOTE, BENCH MARK

N/A

Designation Z 26 State Indiana County Howard  
Nearest town Greentown Chief of party lfb  
Distance and direction from nearest town At Greentown Recovery date Dec 1968  
Character of mark A bench mark disk Established by C & GS Stamping Z 26 1934  
Also horizontal control point ☐ Present condition DESTROYED  
Notes of corner of 1/4, SEC. 1, T. 1, R.  
Detailed report This mark was reported destroyed by Mr. Richard D Schwartz, Project Engineer, Indiana Highway Commission. The old disk was received in the Kansas City Office.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 53  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 119

LINE 119

## DESCRIPTION OF BENCH MARK

N/A  
Designation Q 208 State Indiana County Tipton  
Nearest town Windfall  
Distance and direction from nearest town About 2.0 miles west  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping Q 208 1946  
Detailed description About 2.0 miles west along a gravel road from the post office at Windfall, set in the northeast quarter of a north-south gravel road, 77 feet west-northwest of a well pump, 52 feet north of the center line of the east-west road, 157 feet south of power pole 22-130, 18 feet east of the center line of the north-south road, about level with the crossing, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

N/A  
Designation S 208 State Indiana County Tipton  
Nearest town Windfall  
Distance and direction from nearest town About 1.0 mile west  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping S 208 1946  
Detailed description About 1.0 mile west along a gravel road from the post office at Windfall, at a north-south gravel cross road, 144 feet south-southeast of the southeast corner of a white farm house on the west side of the north-south road, 33 feet north of the center line of the east-west road, 15 feet west of the center line of the north-south road, 12.5 feet north of a fence corner post, 3.5 feet south of a telephone pole, about level with the intersection, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

N/A  
Designation T 208 State Indiana County Tipton  
Nearest town Windfall  
Distance and direction from nearest town At Windfall  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping T 208 1946  
Detailed description At Windfall, set on the top of the northeast corner of the concrete foundation of the northeast leg of the city water tower, 13 feet northeast of the center of the stand pipe.

## DESCRIPTION OF BENCH MARK

N/A  
Designation U 208 State Indiana County Tipton  
Nearest town Windfall  
Distance and direction from nearest town About 1.0 mile east  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping U 208 1946  
Detailed description About 1.0 mile east along a county road from the post office at Windfall, set in the southwest quarter of a north-south gravel road, 38 feet south of the center line of the east-west road, 17 feet west of the center line of the north-south road, 14 feet south-southwest of power pole No. TL-288, 3.5 feet north of a telephone pole and in line with the row of poles, about 0.5 foot below the intersection, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

N/A  
Designation V 208 State Indiana County Tipton  
Nearest town Windfall  
Distance and direction from nearest town About 2.05 miles east  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping V 208 1946  
Detailed description About 2.05 miles east along a county road from the post office at Windfall, at the intersection of a north-south road, 41 feet east of the center line of the north-south road, 23.5 feet east of a 10 inch round concrete fence corner post, 25 feet north of the center line of the east-west road, 78 feet northeast and across the intersection from power pole No. TI-29-122, 5 feet east of a telephone pole and in line with the row of poles, about level with the intersection, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

N/A  
Designation W 208 State Indiana County Tipton  
Nearest town Leisure County Madison  
Distance and direction from nearest town About 3.0 miles west  
Character of mark A bronze disk  
Established by U.S.C. & G.S. Stamping W 208 1946  
Detailed description About 3.0 miles west along a county road from the Harmony Christian Church at Leisure, about 3.05 miles east along a county road from the post office at Windfall, at a north-south gravel cross road, 207 feet east of a 36 inch oak tree, 100 feet west of the center line of the north-south road, 24 feet north of the center line of the east-west road, 34 feet east of a telephone pole and in line with the row of poles, 1 foot south of the north right-of-way fence, about 0.5 foot below the intersection, and set in the top of a concrete post projecting 6 inches.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 54  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

## DESCRIPTION OF BENCH MARK

Designation X 208 State Indiana County Tipton  
Nearest town Leisure County Madison  
Distance and direction from nearest town About 2.0 miles west  
Character of mark A bronze disk Stamping X 208 1946  
Established by U.S.C. & G.S.  
Detailed description About 2.0 miles west along a county road from the Harmony Christian Church at Leisure, at a north-south cross road, 71 feet south and across the east-west road from the south end of the west concrete bridge railing of a 6 foot concrete bridge on the north-south road, 56 feet south of the center line of the east-west road, 34 feet south of a 10 inch concrete fence corner post, 15 feet west of the center line of the north-south road, 1 foot east of the fence line, a about level with the intersection, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation A 209 State Indiana County Madison  
Nearest town Leisure County Madison  
Distance and direction from nearest town About 1.1 miles east Stamping A 209 1946  
Character of mark A bronze disk  
Established by U.S.C. & G.S.  
Detailed description About 1.1 miles east along a county road from the Harmony Christian Church at Leisure, set in the southwest quarter of the intersection of a north-south cross road, 40 feet southwest and across the north-south road from the south end of a 36 inch pipe culvert under the east-west road, 36 feet south of the center line of the east-west road, 13 feet west of the center line of the north-south road, about 0.5 foot below the intersection, and set in the top of a concrete post projecting 6 inches.

ELWOOD

## DESCRIPTION OF BENCH MARK

Designation Y 208 State Indiana County Madison  
Nearest town Leisure County Madison  
Distance and direction from nearest town About 0.95 mile west Stamping Y 208 1946  
Character of mark A bronze disk  
Established by U.S.C. & G.S.  
Detailed description About 0.95 miles west along a county road from the Harmony Christian Church at Leisure, set in the northeast quarter of the intersection of the Tipton-Madison County Line road, 128 feet northeast and across the intersection from the northeast corner of a white farm house, 37 feet north of the center line of the east-west road, 15 feet east of the center line of the County Line road, 13.5 feet north of a 10 inch round fence corner post, 3.5 feet south of a telephone pole, 1 foot west of the fence line, about 0.5 foot below the intersection, and set in the top of a concrete post projecting 6 inches.

## DESCRIPTION OF BENCH MARK

Designation B 209 State Indiana County Madison  
Nearest town Leisure County Madison  
Distance and direction from nearest town About 2.15 miles east Stamping B 209 1946  
Character of mark A bronze disk  
Established by U.S.C. & G.S.  
Detailed description About 2.15 miles east along a gravel road from the Harmony Christian Church at Leisure, at a north-south gravel cross road and an old abandoned school in the northeast quarter of the intersection, 57 feet south and across the east-west road from the southwest corner of the school, 37 feet east of the center line of the north-south road, 15 feet south of the center line of the east-west road, 1 foot north of the right-of-way fence, 21 feet east of the fence corner post, about level with the intersection, and set in the top of a concrete post projecting 6 inches.  
Note: Mark may be reached from the Methodist Church at Rigdon by going about 0.95 mile south along State Highway 37 thence about 1.0 mile west along a gravel road.

## DESCRIPTION OF BENCH MARK

Designation Z 208 State Indiana County Madison  
Nearest town Leisure County Madison  
Distance and direction from nearest town At Leisure Stamping Z 208 1946  
Character of mark A bronze disk  
Established by U.S.C. & G.S.  
Detailed description At Leisure set vertically in the north face of the brick wall of the northwest corner of the Harmony Christian Church, 1 foot east of the northwest corner, and about 3.0 feet above the ground.

APRIL 1971

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 55

INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

LINE 120

LAPEL

LINE 120

(191)

## DESCRIPTION OF BENCH MARK

Designation F 236 State Indiana County Madison  
Nearest town Fortville County Hancock  
Distance and direction from nearest town About 5.1 miles north  
Character of mark A bronze disk Stamping F 236 1947  
Established by U.S.C. & G.S.  
Detailed description About 5.1 miles north along State Highway 13 from the junction of State Highway 238 at Fortville, about 1.05 mile north of Center School, 1.2 miles south of the intersection of State Highway 38, at an east-west gravel cross road, 49 feet north of the center line of the cross road, 28.5 feet west of the center line of the highway, 35 feet north of power pole 64-658, 32.5 feet north of a fence corner, 1.5 feet east of the fence line, about level with the highway and set in the top of a concrete post projecting 5 inches.  
Note: Mark is about 4.25 miles south of the junction of State Highway 132 at Lapel.

DESTROYED

## RECOVERY NOTE, BENCH MARK

Designation E 236 State Indiana County Madison  
Nearest town Lapel Described in Chief of party USGS  
Distance and direction from nearest town 3.05 miles south Recovery date October 1966  
Character of mark Bronze disk Established by USC&GS Stamping E 236 1947  
Also horizontal control point ☐ Present condition DESTROYED  
Detailed report:

Post and stem intact, tablet removed.

R

(193)

## DESCRIPTION OF BENCH MARK

Designation C 236 State Indiana County Madison  
Nearest town Lapel County Madison  
Distance and direction from nearest town About 1.25 miles south  
Character of mark A bronze disk Stamping C 236 1947  
Established by U.S.C. & G.S.  
Detailed description About 1.25 miles south along State Highway 13 from its junction with State Highway 132 at Lapel, at a correction jog in the highway (the south tangent being farther east), and an east-west cross road, 16 feet north of the center line of the cross road, 37 feet northeast of the center line of the highway, 1.8 feet west of a fence corner, 18 feet south of a telephone pole, 1.5 feet south of a white wooden witness post, about level with the highway and set in the top of a concrete post projecting 6 inches.

(194)

## DESCRIPTION OF BENCH MARK

Designation B 236 State Indiana County Madison  
Nearest town Lapel County Madison  
Distance and direction from nearest town About 0.25 mile south  
Character of mark A bronze disk Stamping B 236 1947  
Established by U.S.C. & G.S.  
Detailed description About 0.25 mile south along State Highway 13 from its junction with State Highway 132 at Lapel, at an east-west cross road, 30 feet west of the center line of the highway, 30 feet north of the center line of the cross road, 5 feet south of power pole No. 812/1818, 16 feet north of a fence corner, 2 feet east of the fence line, 1.5 feet north of a white wooden witness post, about level with the highway and set in the top of a concrete post projecting 4 inches.

(192)

## DESCRIPTION OF BENCH MARK

Designation D 236 State Indiana County Madison  
Nearest town Lapel County Madison  
Distance and direction from nearest town About 2.25 miles south  
Character of mark A bronze disk Stamping D 236 1947  
Established by U.S.C. & G.S.  
Detailed description About 2.25 miles south along State Highway 13 from its junction with State Highway 132 at Lapel, about 0.8 mile north of the intersection of State Highway 38, at an east-west gravel cross road, 28 feet west of the center line of the highway, 45 feet north of the center line of the cross road, 27.5 feet north of a fence corner, 1.3 feet east of the fence line, 2 feet south of a white wooden witness post, about level with the highway and set in the top of a concrete post projecting 4 inches.

APRIL 1971

U S DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

# VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

QUAD 400853 PAGE NO. 56  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE NK 16-12

## LINE 121

N/A

### DESCRIPTION OF BENCH MARK

Designation N 237 State Indiana County Hamilton  
Nearest town Fishers County Hamilton  
Distance and direction from nearest town About 4.15 miles northeast  
Character of mark A bronze disk Stamping N 237 1947  
Established by U.S.C. & G.S.  
Detailed description About 1.15 miles east along a black top road from the post office at Fishers, thence about 3.0 miles north along a black top road, at the junction of a gravel road leading west, 21 feet west of the center line of the north-south road, 28 feet south of the center line of the side road, about 50 feet southwest and across the north-south road from the southwest corner of a fence around a grove of catalpa trees, 8 feet south of a 1-foot square concrete fence corner post, 1 foot east of the fence line, 2 feet south of a white wooden witness post, about level with the roads and set in the top of a concrete post projecting 5 inches.  
NOTE: Mark may be reached from Noblesville by going about 1.5 miles southeast along State Highway 238 from 3rd Ward Grade School and junction of State Highway 37, thence about 1.35 miles south along a black top road.

N/A

### DESCRIPTION OF BENCH MARK

Designation P 237 State Indiana County Hamilton  
Nearest town Noblesville County Hamilton  
Distance and direction from nearest town About 2.05 miles southeast  
Character of mark A bronze disk Stamping P 237 1947  
Established by U.S.C. & G.S.  
Detailed description About 1.5 miles southeast along State Highway 238 from the 3rd Ward School and the junction of State Highway 37 at Noblesville, thence about 0.55 mile south along a black top road, 19.5 feet north of the center line of the drive leading east to the Geiger Bros. Farm, 21 feet east of the center line of the county road, 8 feet north of a fence corner, 1 foot west of the fence line, 2 feet north of a white wooden witness post, about 1 foot above the road and set in the top of a concrete post projecting 6 inches.

N/A

### DESCRIPTION OF BENCH MARK

Designation Q 237 State Indiana County Hamilton  
Nearest town Noblesville County Hamilton  
Distance and direction from nearest town About 1.0 mile southeast  
Character of mark A bronze disk Stamping Q 237 1947  
Established by U.S.C. & G.S.  
Detailed description About 1.0 mile southeast along State Highway 238 from the 3rd Ward Grammar School and the junction of State Highway 37 at Noblesville, about 0.5 mile northwest of the junction of a black top road south, 0.35 mile southeast of the steel bridge over Stony Creek, set in the center of the top of the northeast concrete head wall of a 12-inch pipe culvert, 13.5 feet northeast of the center line of the highway, 14 feet south of power pole No. 59/228, and about level with the highway.

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ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

# VERTICAL CONTROL DATA

by the  
Coast and Geodetic Survey  
SEA-LEVEL DATUM OF 1929

LINE 122

N/A

## DESCRIPTION OF BENCH MARK

|                                          |                           |          |         |        |        |
|------------------------------------------|---------------------------|----------|---------|--------|--------|
| Designation                              | V 191                     | State    | Indiana | County | Howard |
| Nearest town                             | Greentown                 | County   | Howard  |        |        |
| Distance and direction from nearest town | About 1.6 miles northwest |          |         |        |        |
| Character of mark                        | A bronze disk             |          |         |        |        |
| Established by                           | U.S.C. & G.S.             | Stamping | V 191   | 1946   |        |

Detailed description About 0.5 mile west along the New York Chicago and St. Louis Railroad from the Station at Greentown, thence about 0.85 mile north along a county road, thence about 0.25 mile east along a black top road, at the "T" junction of a gravel road leading north, 27 feet north of the center line of the black top road, 24 feet east of the center line of the gravel road, 5 feet east of a fence corner post, 4 feet east of power pole No. 26/899, 1 foot south of the fence line, about 0.5 foot below the junction, and set in the top of a concrete post projecting 6 inches.

QUAD 400853 PAGE NO. 57  
INDIANA  
LATITUDE 40°00' TO 40°30'  
LONGITUDE 85°30' TO 86°00'  
DIAGRAM MUNCIE, NK 16-12  
LINE 122