

THIRD-ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

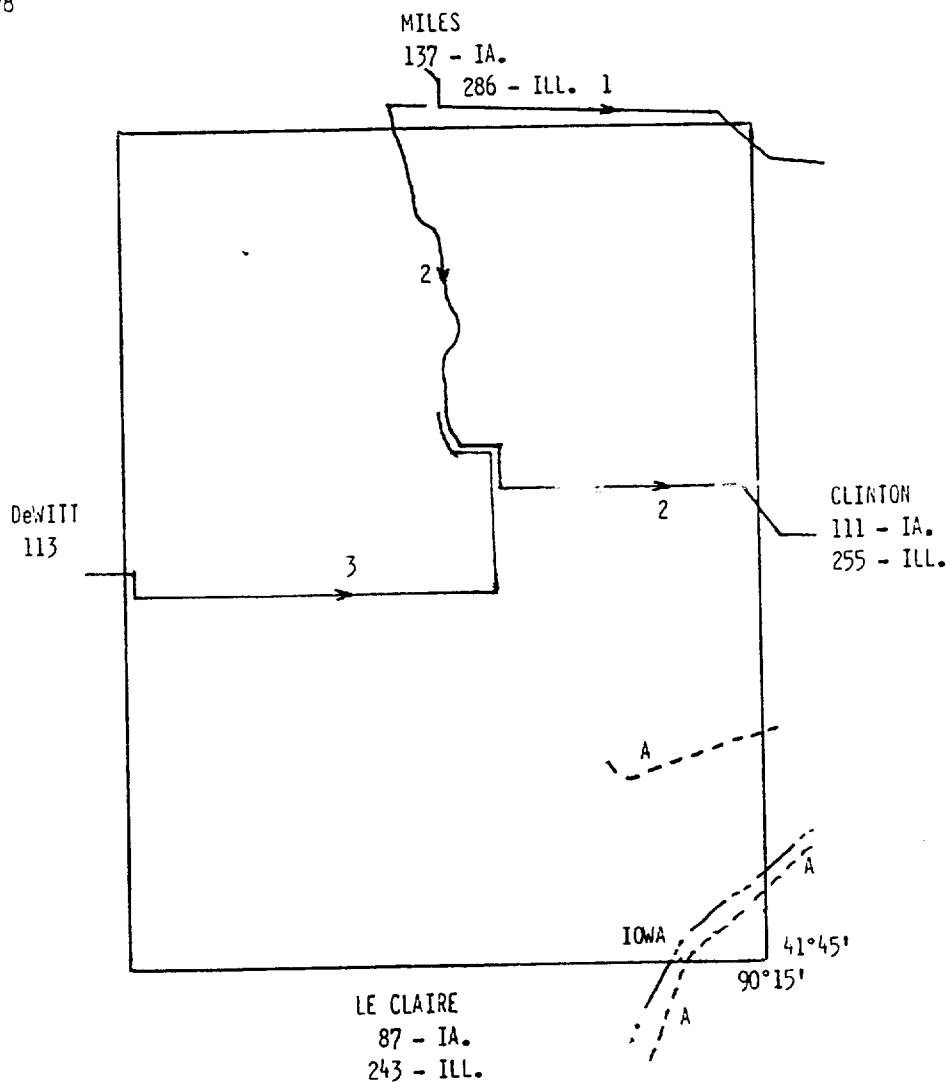
Rock Island County, Illinois
Clinton County, Iowa

Edition of: 6-20-78

PR: ADP/LB/cb

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

41-090-14
GOOSE LAKE QUADRANGLE
112 - IOWA
256 - ILLINOIS
N4145-W9015/15
DIAGRAM NK 15-6
DUBUQUE



N.G.S. (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle No. 410901

112 D

LINE 1

(W. P. Repp, 1966; Book CV-2052)

MILES QUAD. - 137 IOWA, 268 ILL.

- | | | | |
|------|-----|--|---------|
| 1 23 | 2.1 | Miles, 1.5 mi S. and 3.0 mi W. of; near quarter cor. between secs. 3 and 4, T. 83 N., R. 5 E., 254 ft S. and 30 ft W. of center of N.-S. rd. at T-rd. W., 1 ft E. of N.-S. fence, in a concrete post; a standard tablet stamped "4 WPR 1966 787" | 786.714 |
| 24 | 2.1 | Reference Mark, 211 ft S. of tablet; 465 ft S. and 30 ft W. of center of N.-S. rd. at T-rd. W., in E. side of a power pole; rail spike | 790.48 |
| 25 | 2.8 | UE 4 A, 0.5 mi S. and 0.3 mi E. of tablet; 82 ft S. and 40 ft W. of center of E.-W. rd. at T-rd. S., in S. side of a power pole; rail spike | 818.42 |
| 26 | 3.7 | Miles, 3.0 mi S. and 2.75 mi W. of; in SW. quarter sec. 10, T. 83 N., R. 5 E., approx. 700 ft N. of E.-W. rd. at T-rd. N., at a steel and concrete bridge, 26 ft N., 10 ft E., and 0.8 ft lower than center of bridge, on NE. concrete wingwall; cemented in a drill hole; a standard tablet stamped "5 WPR 1966 679" | 679.271 |
| 23 | 4.3 | UE 5 A, 0.1 mi S. and 0.65 mi E. of tablet; 21 ft S., 13 ft E. and 3.6 ft lower than center of E.-W. rd., at N.-S. field entrance; on a 12 in. corrugated metal pipe culvert, 0.2 ft W. of E. end; chiseled square, painted | 783.81 |
| 30 | 5.4 | UE 5 B, 0.1 mi S. and 1.75 mi E. of tablet; 30 ft N., 36 ft W., and 2.0 ft lower than center of crossroads; in S. side of a power pole, rail spike | 778.37 |
| 32 | 6.4 | Miles, 3.0 mi S. of; near cor. secs. 7, 12, 13 and 18, T. 83 N., R. 5 and 6 E., 47 ft S., 36 ft W. and 1.5 ft lower than center of crossroads; 0.5 ft E. of N.-S. fence, in a concrete post; standard tablet stamped "6 WPR 1966 796" | 795.942 |
| 33 | 6.4 | Reference Mark, 91 ft NE. of tablet; 24 ft N. and 25 ft E. of center of crossroads; on an 18 in. corrugated metal pipe culvert, 0.4 ft S. of N. end, chiseled square, painted | 797.18 |
| 34 | 7.4 | UE 6 A, 1.0 mi E. of tablet; 35 ft N., 35 ft W., and 0.2 ft higher than center of crossroads; in SE. side of a power pole; Rail spike | 781.87 |
| 35 | 8.2 | UE 6 B, 1.75 mi E. of tablet; at a steel and wood bridge, 9 ft N., 21 ft W. and 1.2 ft lower than center of bridge, on NW. steel pier; a chiseled square | 712.90 |
| 36 | 8.9 | UE 6 C, 2.5 mi E. of tablet; 25 ft N., 27 ft W., and 1.1 ft lower than center of E.-W. rd. at T-rd. S., on a 36 in. corrugated metal pipe culvert, 0.7 ft E. of W. end; chiseled square | 770.80 |
| 37 | 9.2 | Reference Mark, 198 ft NW. of tablet; 333 ft S. and 12 ft E. of center of N.-S. rd. at T-rd. W., on a 30 in. corrugated metal pipe culvert, 0.5 ft W. of E. end, chiseled square | 799.12 |
| 38 | 9.2 | Miles, 3.1 mi S. and 2.75 mi E. of; Teeds Grove, 0.6 mi S. and 0.75 mi W. of; in NE. quarter sec. 16, T. 83 N., R. 6 E., at NE. cor. of a cemetery; 25 ft S. of center of E.-W. rd., 134 ft E. of extended center of N.-S. rd., 1 ft N. and 2 ft W. of fence cor. post; in a concrete post; a standard tablet stamped "7 WPR 1966 805" | 804.727 |

LINE 1 (Cont'd)

FEET

MILES QUAD. - 137 IOWA, 268 ILL.

1 39 10.1 UE 7 A, 0.8 mi E. of tablet; at a steel and concrete bridge; 47 ft S., 13 ft W., and 0.1 ft higher than center of bridge, on SW. concrete wingwall; a chiseled square 693.34

GOOSE LAKE QUAD. - 112 IOWA, 256 ILL.

40 10.9 UE 7 B, 0.8 mi E., thence 0.8 mi S. from tablet; 17 ft N., 29 ft E., and 1.9 ft lower than center of N.-S. blacktop rd. at T-rd. E., on a 36 in. corrugated metal pipe culvert, 0.2 ft S. of N. end; chiseled square 728.61

CLINTON QUAD. - 111 IOWA, 255 ILL.

41 11.4 UE 7 C, 0.8 mi S. and 1.1 mi E. of tablet; 0.25 mi E. of quarter cor. between secs. 15 and 22, T. 83 N., R. 6 E., 55 ft S., 17 ft W. and 0.4 ft lower than center of crossroads; on a 24 in. corrugated metal pipe culvert, 0.7 ft E. of W. end; chiseled square 723.12

LINE 2

(W. P. Repp, 1966; Book CV-2052)

MILES QUAD. - 137 IOWA, 268 ILL.

2 2 0.0 "5 WPR 1966 679" (Described in Line 1) 679.271
0.6 UE 5 AA, 0.2 mi S. and 0.4 mi W. of tablet; at a steel bridge, 9 ft N., 25 ft E., and 1.0 ft lower than center of bridge, on NE. concrete wingwall, a chiseled square 670.61

3 1.4 Goose Lake, 2.5 mi N. and 0.5 mi W. of; near cor. secs. 8, 9, 16 and 17, T. 83 N., R. 5 E., 46 ft S., 15 ft W., and 1.2 ft higher than center of N.-S. rd. at T-rd. E., at a concrete bridge, on N. end of W. concrete guard wall, cemented in a drill hole; a brass disk stamped "664.47 1964" Elevation by USGS. Established by unknown agency. 663.90

GOOSE LAKE QUAD. - 112 IOWA, 256 ILL.

4 2.5 UE 5 BB, 1.2 mi S. and 0.75 mi W. of tablet; near quarter cor. between secs. 16 and 21, T. 83 N., R. 5 E., 78 ft S., 15 ft E., and 0.3 ft lower than center of NW.-SE. blacktop rd. at T-rd. E., at a 4 ft concrete culvert, on top and center of E. concrete headwall, chiseled square 673.51

5 3.0 Goose Lake, 1.0 mi N. of; near center of sec. 21, T. 83 N., R. 5 E., 33 ft N., 20 ft E., and 0.3 ft lower than center of N.-S. blacktop rd. at T-rd. W., at a concrete box culvert, on S. end of E. concrete headwall; cemented in a drill hole, a standard tablet stamped "11 WPR 1966 680" 680.486

6 4.1 UE 11 A, 1.1 mi S. of tablet; at Goose Lake, 15 ft S., 67 ft W., and 0.1 ft higher than center of State Hwy. 136 at blacktop rd. N., at a concrete box culvert, on top and center of S. concrete headwall, a chiseled square 683.86

7 4.6 UE 11 B, 1.1 mi S., and 0.5 mi E. of tablet; 17 ft S., 272 ft W., and 4.5 ft lower than center of Hwy. 136 at T-rd. S., at a concrete box culvert, on top and center of S. concrete headwall, chiseled square, painted 740.54

LINE 2 (Cont'd)

FEET

GOOSE LAKE QUAD. - 112 IOWA, 256 ILL.

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|----|------|-----|---|---------|
| 2 | 8 | 5.2 | UE 11 C, 1.7 mi S. and 0.5 mi E. of tablet; approx. 0.25 mi N. of quarter cor. between secs. 33 and 34, T. 83 N., R. 5 E., at a drain crossing, 16 ft E. of center of N.-S. rd., 2.9 ft lower than rd. at drain, on a 4 ft corrugated metal pipe culvert, 0.2 ft W. of E. end; a chiseled square | 693.54 |
| 9 | 5.9 | | Goose Lake, 1.5 mi S. and 0.5 mi E. of; near cor. secs. 3, 4, 33 and 34, Tps. 82 and 83 N., R. 5 E., 34 ft S., 40 ft W., and 2.0 ft lower than center of E.-W. rd. at T-rd. N., 21 ft W. of field entrance S., in a concrete post; a standard tablet stamped "12 WPR 1966 682" | 632.069 |
| 10 | 5.9 | | Reference Mark, 311 ft E. of tablet; 30 ft S. and 271 ft E. of center of E.-W. rd. at T-rd. N., in N. side of a power pole; Rail spike | 683.86 |
| 11 | 7.1 | | UE 12 A, 1.0 mi S. and 0.2 mi E. of tablet; 26 ft S., 30 ft E., and 2.4 ft higher than center E.-W. rd. at T-rd. N., in N. side of a telephone pole; Rail spike | 693.40 |
| 12 | 8.4 | | Goose Lake, 3.5 mi S. and 0.5 mi W. of; near cor. secs. 9, 10, 15 and 16, T. 82 N., R. 5 E., 38 ft S., 43 ft E., and 0.8 ft lower than center of N.-S. rd. at T-rd. W., 103 ft S. of center of a steel bridge, 1 ft N. of a witness post; in a concrete post; a standard tablet stamped "13 WPR 1966 649" | 649.091 |
| 13 | 8.4 | | Reference Mark, 60 ft W. of tablet; 45 ft S. and 19 ft W. of center of N.-S. rd. at T-rd. W., on a 24 in. corrugated metal pipe culvert, 0.2 ft E. of W. end; a chiseled square | 643.50 |
| 14 | 9.5 | | UE 13 A, 1.0 mi S. of tablet; 36 ft N., 18 ft W. and 1.1 ft lower than center of E.-W. rd. at T-rd. N., on a 24 in. corrugated metal pipe culvert, 0.3 ft E. of W. end; a chiseled square | 644.83 |
| 15 | 10.4 | | UE 13 B, 1.0 mi S. and 1.0 mi E. of tablet; 33 ft S., 27 ft E., and 3.8 ft lower than center of N.-S. blacktop rd. at E.-W. rd. crossing; on a 36 in. concrete culvert, 0.5 ft W. of E. end; a chiseled square | 654.50 |
| 16 | 11.4 | | Reference Mark, 89 ft NW. of tablet; 31 ft S., and 29 ft W. of center of crossroads; on a 8 ft corrugated metal pipe culvert, 0.4 ft E. of W. end, a chiseled square | 658.05 |
| 17 | 11.4 | | Goose Lake, 5.5 mi S. and 1.5 mi E. of; near cor. secs. 22, 23, 26 and 27, T. 82 N., R. 5 E., 93 ft S., 41 ft E., and 3.8 ft lower than center of crossroads; 3.5 ft N. of a telephone pole; 1 ft W. of N.-S. fence, in a concrete post; a standard tablet stamped "14 WPR 1966 659" | 658.697 |
| 18 | 12.5 | | UE 14 A, 1.0 mi E. of tablet; 31 ft N., 34 ft W., and 1.8 ft higher than center of crossroads, in SE. side of a power pole; Rail spike | 756.89 |
| 19 | 13.5 | | UE 14 B, 2.0 mi E. of tablet; 26 ft S., 33 ft E., and 4.1 ft lower than center of crossroads; on a 16 in. corrugated metal pipe culvert, 0.4 ft E. of W. end; a chiseled square | 765.94 |
| 20 | 14.3 | | Goose Lake, 5.5 mi S. and 4.4 mi E. of; Clinton, 3.0 mi N. and 5.3 mi W. of; near cor. secs. 19, 20, 29 and 30, T. 82 N., R. 6 E., approx. 700 ft W. of crossroads; at a large concrete box culvert, 31 ft N. and 6.5 ft lower than center of N.-S. rd., on W. end of N. concrete headwall, cemented in a drill hole, a standard tablet stamped "15 WPR 1966 728" | 728.179 |
| 21 | 15.1 | | UE 15 A, 0.8 mi E. of tablet; at a drain crossing E.-W. rd., 26 ft S. and 5.0 ft lower than center of rd. at a large concrete box culvert, on W. end of S. concrete headwall; a chiseled square | 727.76 |

LINE 2 (Cont'd)

FEET

GOOSE LAKE QUAD. - 112 IOWA, 256 ILL.

- 2 22 15.5 UE 15 B, 1.1 mi E. of tablet; 30 ft S., 32 ft W., and 0.3 ft higher than center of E.-W. rd. at T-rd. S., in N. side of a telephone pole; rail spike 756.78
- 23 16.3 UE 15 C, 1.9 mi E. of tablet; 36 ft S., 54 ft W. and 2.4 ft higher than center of Hwy. 136 at T-rd. W., in N. side of a telephone pole, a Rail spike 765.77

CLINTON QUAD. - 111 IOWA, 255 ILL.

- 24 17.7 Clinton, 2.0 mi N. and 2.75 mi W. of; main Post Office at Clinton; near quarter cor. between secs. 27 and 34; T. 82 N., R. 6 E., near E. end of a sharp curve on State Hwy. 136; 490 ft E. of T-rd. W., 27 ft S., 67 ft W. and 5.1 ft lower than center of hwy. at field rd. S., at a concrete box culvert, on E. end of S. headwall, cemented in a drill hole; a standard tablet stamped "16 WPR 1966 675" 675.473

LINE 3

L.A. Perry, 1977; Book CV-3404

DEWITT QUAD. - 113 IOWA

- 1 76 13.2 BM, DeWitt, about 2.5 mi N. and 0.5 mi E. of; at jct. of Clinton Co. Hwy. Y-70 and F-12; near $W\frac{1}{4}$ cor. sec. 32, T. 82 N., R. 4 E.; 66 ft S. and 45 ft E. of T-rd. E.; 6 ft S. of power pole; 1 ft NW. of fence, 0.5 ft NW. of witness post; a standard rod supported tablet (rod driven 17.5 ft to refusal) in 6-in. clay tile, stamped "6 LAP 1977". 688.402
- 78 14.2 UE 6 LAP A, about 1 mi E. of tablet; near $W\frac{1}{4}$ cor. sec. 30, T. 82 N., R. 4 E., 20 ft N. and 44 ft E. of T-rd. S., top of W. end of N. headwall; a chiseled square 690.75
- 1.8 mi E. of tablet; GOOSE LAKE QUAD. - 112
- 2 1 15.0 UE 6 LAP B, about 0.25 mi W. of $E\frac{1}{4}$ cor. sec. 33, T. 82 N., R. 4 E.; 40 ft NE. and 16 ft N. of road at drive E.; top N. end of 18-in. steel culvert, a punched hole 692.44
- 2 15.4 Reference mark, 32 ft S. and 7 ft E. of BM 7 LAP 1977, 23 ft W. of extended centerline road S. 684.72
- 3 15.4 BM, 7 LAP 1977, DeWitt, 2 mi N. and 2.25 mi E. of; near $S\frac{1}{4}$ cor. of $SE\frac{1}{4}$ sec. 33, T. 82 N., R. 4 E., 58 ft NW. of road at entrance W.; 22 ft N. of field drive, 32 ft W. of centerline road S., 3.5 ft NW. of telephone pole, 1 ft SE. of fence corner; 1 ft N. of witness post; a standard rod supported tablet (rod driven 19.7 ft to refusal) in 6-in. clay tile, stamped "7 LAP 1977" 683.963
- 6 16.4 UE 7 LAP A, 0.9 mi E. along paved road from tablet, about 1,920 ft W. of NE. cor. sec. 3, T. 81 N., R. 4 E.; 26 ft S. of centerline of road, on top of end of bolt at S. end of 5 by 6.5 ft steel culvert; a chiseled "+" rd. from 695.94
- 10 17.1 UE 7 LAP B, about 1.7 mi E. along paved road from tablet, about 600 ft W. of $S\frac{1}{4}$ cor. sec. 35, T. 82 N., R. 4 E., 42 ft N. and 15 ft W. and 4.6 ft lower than road at drive N.; on top of W. end of 30-in. steel culvert; a punched hole 683.02
- 12 17.8 UE 7 LAP C, about 2.3 mi E. along paved road from tablet; near SE. cor. sec. 35, T. 82 N., R. 4 E.; 103 ft N., 16 ft W. and 2.8 ft lower than crossroads; top of N. end of W. headwall, a chiseled square 663.49

LINE 3 (Cont'd)

GOOSE LAKE QUAD. - 112 IA., 256 ILL.

FEET

2	14	18.5	UE 7 LAP D, about 3 mi E. along paved road from tablet; about 1700 ft W. of NE. cor. of sec. 1, T. 81 N., R. 4 E., on top of SE. bridge guard rail of bridge #T0160; 12 ft S. of centerline of road; on top of steel rebar in a chiseled square	655.97
16	18.6		Reference mark, 52 ft N. of tablet, 10.4 ft above water; top of W. end of N. headwall; a chiseled square	646.72
17	18.6		BM, Elvira, about 4.25 mi W. along paved road from; about 730 ft E. of Cherry Creek; about 985 ft W. of NE. corner sec. 1, T. 81 N., R. 4 E., 26 ft S. of centerline of road; on top of E. end of S. headwall; a standard tablet stamped "8 LAP 1977".	646.191
20	19.0		UE 8 LAP A, about 0.4 mi E. along paved road from tablet; at $S\frac{1}{4}$ cor. of $SW\frac{1}{4}$ sec. 31, T. 82 N., R. 5 E., 26 ft N. and 18 ft E. of and 5 ft lower than T-rd. S.; on top of N. end of 5 ft by 6.5 ft steel culvert; a cut "+".	666.61
23	19.3		UE 8 LAP B, 1.2 mi E. along paved road from tablet; at NW. corner of sec. 5, T. 81 N., R. 5 E., 26 ft S. and 40 ft E. of and 3.2 ft lower than T-rd. S., on top of S. end of 5 ft by 6.5 ft steel culvert; riveted in punched hole; copper nail and washer	677.36
25	20.5		UE 8 LAP C, 1.9 mi E. along paved road from tablet; about 1800 ft E. of SE. corner of sec. 32, T. 82 N., R. 5 E., 34 ft N. and 18 ft W. of and 2.6 ft lower than road at drive N., on top of W. end of 18-in. steel culvert; a cut "X".	720.28
27	20.3		UE 8 LAP D, 2.2 mi E. along paved road from tablet, at SE. cor. of sec. 32, T. 82 N., R. 5 E.; 42 ft N. and 10 ft W. of road at entrance N.; 6 ft W. and 3.8 ft lower than T-rd. S.; top of W. end of 18-in. steel culvert; a cut "X".	693.99
29	21.7		BM, Elvira, 1 mi W. along paved road from; about 660 ft W. of SE. cor. of sec. 33, T. 82 N., R. 5 E., on bridge over Brophy Creek; 14.5 ft N. of centerline of road; NW. cor. of bridge; set on top of curb; a plain brass disk stamped "636.45 1964".	636.009
30	21.7		Reference mark, 104 ft E. and 29 ft S. of BM; at SE. corner of bridge on top of curb; a chiseled square	636.01
32	22.3		UE A, 0.6 mi E. along paved road from tablet; near $N\frac{1}{4}$ cor. sec. 3, T. 81 N., R. 5 E.; 39 ft S. and 18 ft W. of and 2.4 ft lower than road at drive S.; on top of W. end of 30-in. steel culvert, a punched hole	653.50
35	22.9		UE B, at Elvira; near NW. cor. sec. 2, T. 81 N., R. 5 E.; 59 ft S. and 63 ft E. of and 1.7 ft higher than cross roads; 18 ft N. of W. cor. of building, on W. corner of gas pump island, a cut "X"	725.96
37	23.6		BM, Elvira, 0.7 mi N. of; about 950 ft N. of $W\frac{1}{4}$ cor. sec. 35, T. 82 N., R. 5 E.; 33.7 ft E. of and 5.1 ft lower than road at drain; in center of E. headwall; a plain brass disk, set by Clinton County Engineer, stamped "650.31 1972"	649.691
40	24.0		Reference mark, 58 ft W. and 30 ft S. of BM; 29 ft W. centerline of road; top of S. end of W. headwall; a chiseled square	651.41
41	24.0		BM, Elvira, 1.1 mi N. along paved road from; about 380 ft N. of SW. cor. of secs. 26, T. 82 N., R. 5 E.; 26.5 ft E. of centerline of road; 12.5 ft above water; in centerline of E. headwall; a plain brass disk set by Clinton County Engineer, stamped "652.90 1972"	652.280
42	24.9		UE AAA, 0.9 mi N. along paved road from tablet; at NE. cor. secs. 27, T. 82 N., R. 5 E., 30 ft S. and 37 ft W. of and 4.8 ft lower than crossroads; on top of W. end of 4 by 7 ft steel culvert; on top of bolt; a cut "+"	658.11

7
41-090-14
GOOSE LAKE QUADRANGLE
112 - IOWA
256 - ILLINOIS

LINE 3 (Cont'd)

GOOSE LAKE QUAD. - 112 IA., 256 ILL.

FEET

- 2 44 25.2 BM, Elvira, 2.3 mi N. along paved road from; about 1200 ft N. of SW. cor. sec. 23, T. 82 N., R. 5 E.; 8 ft above drain; 20 ft E. and 0.5 ft lower than centerline of road at cattle underpass; in center of E. headwall of cattle underpass; a plain brass disk set by Clinton County Engineer, stamped "1971 658.16" 658.166
- 47 26.0 UE BBB, Elvira, 3 mi N. along paved road from; at SE. cor. sec. 15, T. 82 N., R. 5 E.; 41 ft N. and 29 ft W. of and 2.4 ft lower than crossroads; on top of W. end of 5.2 ft by 7 ft steel culvert; on top of bolt, a cut "X" 656.34
- 50 26.9 UE 13 A, 1 mi S. of tablet; near SW. cor. sec. 15, T. 82 N., R. 5 E.; 36 ft N., 16 ft W. and 1 ft lower than T-rd. N.; on top of W. end of 24-in. steel culvert; a painted square 644.91
- 52 28.0 Reference mark, 60 ft W. of tablet; 45 ft S. and 19 ft W. of T-rd. W.; on top of W. end of 24-in. steel culvert; a painted square 643.58
- 53 28.0 BM, Goose Lake, 3.5 mi S. and 0.5 mi E. of; near NW. cor. sec. 15, T. 82 N., R. 2 E.; 38 ft S., 43 ft E. and 0.9 ft lower than T-rd. W., 1 ft W. of witness post; a standard tablet set in concrete post; stamped "13 WPR 1966 649" 649.091

OLATED BENCH MARKS

Albany, 3 mi SW. of, in sec. 34, T. 21 N., R. 2 E., 20 ft S. and 33 ft E. from crossroads, 90 ft N. and 33 ft E. from crossing of Chicago, Milwaukee, St. Paul and Pacific RR., in concrete post; a standard tablet stamped "TT 157 F 1929"

584.235