

THIRD-ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

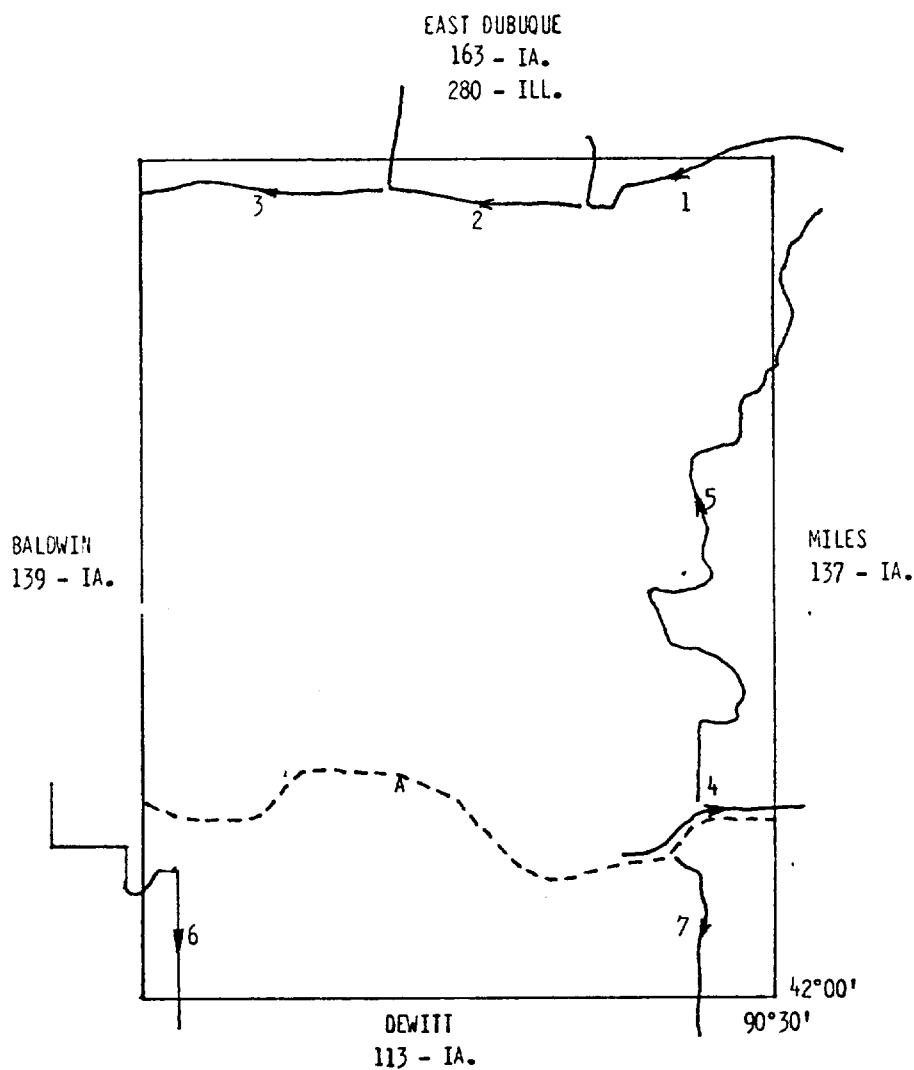
Jackson County, Iowa

Edition of: 6-20-78

PR: ADP/LB/cb

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

42-090-32
MAQUOKETA QUADRANGLE
138 - IOWA
N4200-W9030/15
DIAGRAM NK 15-6
DUBUQUE



N.G.S. (USC&GS) VERTICAL CONTROL DATA
A. Quadrangle No. 420903

138 B

LINE 1

FEET

J.H. Tyndale, 1961; Book CV-1332

GALENA QUAD. - 162

- 3.7 Reference mark, 356 ft ENE. of tablet, 24 ft N., 42 ft W. and 2.9 ft lower than road fork; 2 ft corrugated steel culvert; punch hole 673.10
- 3.7 Bellevue, 0.5 mi S. and 2.5 mi W. of; in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 86 N., R. 4 E., 28 ft S., 398 ft W. and 7.2 ft higher than road fork; at E. end of road rock cut; 2 ft S. of S. right-of-way fence; in concrete post extending 1 ft above ground; standard tablet stamped "50 JDF 1953 RESET 1961 683" 683.178
- 4.6 UE, 20 ft N. of 2 ft corrugated steel culvert and 4.2 ft lower; 4 ft S. of T-fence N.; near quarter cor. sec. 15 and 16; T. 86 N., R. 4 E.; punch hole 897.52
- 5.4 UE, 21 ft N., 15 ft W. and 1.4 ft lower than T-drive N. to house; in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, T. 86 N., R. 4 E.; 1.5 ft corrugated steel culvert; punch hole 918.79

E. DUBUQUE QUAD. - 163

- 6.2 Reference mark, 90 ft NE. of tablet; 11 ft E. of NE. corner abandoned school; 60 ft NW. (rt. angle) center of road; top of SE. corner concrete well cover; 60 ft NW., 50 ft NE. and 1 ft higher than T-drive NW. to school; chiseled square 955.18
- 6.2 La Motte, 3 mi S. and 5 mi E. of; approx. 300 ft S. of N $\frac{1}{4}$ cor. sec. 20, T. 86 N., R. 4 E., 4 ft N. and 51 ft W. of NE.-SW. road at drive N. to school; 4 ft S. and 4 ft E. of SW. corner school yard; in concrete post; standard tablet stamped "ET 3 GT 1960 957" 956.925
- 7.2 UE, 15 ft SE. of center of 6 ft corrugated steel culvert and 0.4 ft lower; T.L. 6 ft lower; in NE $\frac{1}{4}$ sec. 19, T. 86 N., R. 4 E.; center of concrete headwall; chiseled square 961.62
- 8.2 Reference mark, 18 ft S., 28 ft E. and 0.2 ft lower than cross-drives, 440 ft E. of T-rd. N.; 524 ft NW. of tablet; 3 ft corrugated steel culvert; punch hole 995.36
- 8.2 Bellevue, 1 mi S. and 6.75 mi W. of; 182 ft N., 41 ft W. and 9.5 ft lower than T-rd. N. near center of E $\frac{1}{2}$ sec. 24, T. 86 N., R. 3 E., 9 ft S. of N. side barn E. of road; 1 ft W. of W. right-of-way fence; in concrete post; standard tablet stamped "30 T 1961 990" 990.331

LINE 2

J.H. Tyndale, 1961; Book 1332

E. DUBUQUE QUAD. - 163

- 0.0 "30 T 1961" (Described in Line 1) 990.331

MAQUOKETA QUAD. - 138

- 0.6 UE, 233 ft W., 7.3 ft lower than road turn N.-W., 21 ft N. and 3 ft lower than center of 1.5 ft corrugated steel culvert; due N. of T-fence S.; near quarter cor. secs. 24, and 25, T. 86 N., R. 3 E.; punch hole 956.53

LINE 2 (Cont'd)

MAQUOKETA QUAD. - 138

FEET

- | | | |
|-----|---|----------|
| 1.2 | UE, 30 ft S., 57 ft E. and 12.6 ft lower than I-rd. N., cor. sec. 23, 24, 25 and 26; T. 86 N., R. 3 E., 7 ft corrugated steel culvert; punch hole | 896.19 |
| 2.0 | UE, 23 ft S., and 5.7 ft lower than 2 x 4 ft concrete box culvert; F.L. 3.7 ft lower; at I-fence N.; in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 23, T. 86 N., R. 3 E.; center of concrete headwall; chiseled square | 896.71 |
| 2.7 | UE, 21 ft S., and 6.6 ft lower than center of 2 ft corrugated steel culvert; near quarter cor. sec. 22 and 27, T. 86 N., R. 3 E., punch hole | 972.64 |
| 2.9 | Reference mark, 687 ft ENE. of tablet; 30 ft S., 102 ft W. and 4.6 ft lower than crossroad (Co. "A" N.-S.) S. side power pole; flush with ground; a RR. spike | 990.45 |
| 2.9 | La Motte, 4 mi S. and 0.75 mi E. of; at Cottonville; 47 ft S., 789 ft W. and 9.5 ft higher than crossroads (Co. "A" N.-S.) W. sixteenth cor. sec. 22 and 27, T. 86 N., R. 3 E.; 15 ft S. and 2 ft NW. corner cemetery; 20 ft SW. of 2 ft spruce; 85 ft W. of steel gate at I-drive S. into cemetery; in concrete post; standard tablet stamped "33 T 1961 1005" | 1004.566 |
| 3.6 | UE, 18 ft S. of center of 3 x 3 ft concrete box culvert and 2.6 ft lower; F.L. 4.5 ft lower; near E. sixteenth cor. sec. 21 and 28, T. 86 N., R. 3 E.; center of S. headwall; chiseled square | 888.06 |
| 4.3 | UE, 9 ft N. and 1.4 ft lower than steel-truss bridge over creek, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, T. 86 N., R. 3 E.; top 1-in. anchor bolt in NE. end steel arch; crossmark; (hex. nut) | 821.02 |
| 5.0 | UE, 11 ft S. and 1.4 ft lower than E. end steel truss bridge over creek; near center S $\frac{1}{2}$ sec. 20, T. 86 N., R. 3 E.; SE. rivet of SE. abutment; crossmark | 798.87 |
| 5.5 | Reference mark, 108 ft NE. of tablet; 70 ft N., 82 ft W. and 9.5 ft higher than crossroad; on concrete pump base; 2 ft N. and 1 ft W. of SE. corner; chiseled square | 826.42 |
| 5.5 | Zwingle, 4 mi S. and 2.1 mi E. of; 0.3 mi N. of SE. cor. sec. 19, T. 86 N., R. 3 E.; 36 ft N. and 186 ft W. of crossroad; in N. right-of-way fence; 45 ft W. of SW. corner school yard; in concrete post; standard tablet stamped "ET 2 GT 1960 834" (Not found 9-77, R.L.J.) | 833.894 |
| 5.9 | UE, 23 ft E. of center of 3 ft corrugated steel culvert and 1.9 ft lower; near N. sixteenth cor. sec. 19 and 20; T. 86 N., R. 3 E.; punch hole | 851.79 |

EAST DUBUQUE QUAD. - 163

- | | | |
|-----|---|--------|
| 6.3 | UE, 10 ft S., 25 ft W. and 2.2 ft lower than I-drive W. to house; + 1000 ft N. of cor. sec. 17, 18, 19 and 20, T. 86 N., R. 3 E.; 2 ft corrugated steel drive culvert; punch hole | 894.17 |
| 6.9 | UE, 15 ft S., 27 ft W. and 3.3 ft lower than I-drive W. to house; 600 ft S. of apex sharp hill; near N. sixteenth cor. sec. 17 and 18, T. 86 N., R. 3 E.; 2 ft corrugated steel culvert; punch hole | 860.41 |

<u>LINE 2 (Cont'd)</u>	<u>EAST DUBUQUE QUAD. - 163</u>	<u>FEET</u>
7.4 UE, 475 ft S. of I-rd. E., S. sixteenth cor. sec. 7 and 8, T. 86 N., R. 3 E., and same elevation, 12 ft E. of S. end steel truss bridge over creek; top of NW. end of SE. concrete wingwall; chiseled square		848.60
8.1 UE, 11 ft W. of S. end concrete deck bridge over creek and 2 ft lower; near N. sixteenth cor. sec. 7, and 8, T. 86 N., R. 3 E.; top SW. concrete wingwall; chiseled square		872.62
8.4 Reference mark, 418 ft SSE. of tablet; 35 ft S., 21 ft E. and 2 ft higher than I-rd. W.; W. side power pole; flush with ground; a RR. spike		943.05
8.4 La Motte, 1 mi S. and 1.5 mi W. of; 383 ft N., 39 ft W. and 2 ft higher than I-rd. W. cor. sec. 5, 6, 7 and 8, T. 86 N., R. 3 E.; 1 ft W. of W. right-of-way fence; in concrete post; standard tablet stamped "34 T 1961 943"		943.052

LINE 3

<u>J.H. Tyndale, 1961; Book CV-1332</u>	<u>MAQUOKETA QUAD. - 138</u>	
0.0 "2 GT 1960" (Described in Line 2)		833.894
0.7 UE, 22 ft N. of center of road; on curve; 3 ft W. of I-fence N.; 6.6 ft lower than center of road; near center SW $\frac{1}{4}$ sec. 19, T. 86 N., R. 3 E., 1.5 ft corrugated steel culvert; punch hole		951.60
1.2 UE, 23 ft N., 12 ft E. and 1.4 ft lower than I-drive N. to house; near center E $\frac{1}{2}$ SE $\frac{1}{4}$ sec. 24, T. 86 N., R. 2 E., 1.5 ft corrugated steel drive culvert; punch hole		966.19
1.9 UE, 15 ft N., 615 ft E. and 5.4 ft lower than crossroad (U.S. Hwy. 61 NE.-SW.) at Otter Creek; + 1000 ft E. of S. sixteenth cor. sec. 23 and 24, T. 86 N., R. 2 E.; 2 x 2 ft concrete box culvert; center N. concrete headwall; chiseled square		1019.78
2.6 UE, 22 ft N. of center of 2 ft corrugated steel culvert; and 0.4 ft lower; 237 ft SE. of SE. corner St. Lawrence Church; near center of E $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 23, T. 86 N., R. 2 E., punch hole		1009.06
3.0 Reference mark, 25 ft N. and 1.1 ft lower than I-rd. S.; 155 ft W. of tablet; 10 ft E. of center of I-drive N. to field; 1.5 ft corrugated steel culvert; punch hole		961.87
3.0 La Motte, 3.75 mi S. and 4.5 mi W. of; 1.25 mi W. of Otter Creek; 39 ft N., 155 ft E. and 2.6 ft higher than I-rd. S., near S. sixteenth cor. sec. 22 and 23, T. 86 N., R. 2 E., 1 ft N. of N. right-of-way fence; in concrete post; standard tablet stamped "38 T 1961 966"		965.582
3.5 UE, 25 ft S., 28 ft W. and 5.1 ft lower than drive SW. to house; on W. slope steep hill; near center N $\frac{1}{2}$ S $\frac{1}{2}$ sec. 22, T. 86 N., R. 2 E.; 1.5 ft corrugated steel culvert; punch hole		914.32
3.9 UE, 50 ft N., 25 ft W. and 4 ft lower than I-drive N. to barns; near center N $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 22, T. 86 N., R. 2 E.; 3.5 ft corrugated steel culvert; crossmark		799.55

LINE 3 (Cont'd)

MAQUOKETA QUAD. - 138

FEET

- 4.3 UE, top of sharp hill; 35 ft N., 100 ft E. and 2.3 ft lower than short drive S. to garage; near S. sixteenth cor. sec. 21 and 22, T. 86 N., R. 2 E.; W. side electric pole; flush with ground; a RR. spike 878.50
- 4.8 UE, 10 ft S. of E. end concrete deck bridge over creek and 0.6 ft higher; 200 ft W. of I-rd. N.; center S½ sec. 21, T. 86 N., R. 2 E., 1 ft W. of E. abutment; top of concrete curb; chiseled square 747.02
- 5.2 UE, 36 ft N. of center of 2 ft corrugated steel culvert; and 9.6 ft lower; near center of SW¼ sec. 21, T. 86 N., R. 2 E.; punch hole 802.04
- BALDWIN QUAD. - 139
- 5.9 Reference mark, 40 ft W. of tablet, 38 ft S., 21 ft E. and 0.7 ft higher than dim I-drive S. to field, 292 ft SE. of road fork along road; N. side of power pole; flush with ground; RR. spike 929.08
- 5.9 Zwingle, 4 mi S. and 3.4 mi W. of; 0.25 mi N. of S½ cor. sec. 20, T. 86 N., R. 2 E., 188 ft S. and 275 ft E. of I-rd. S. (332 ft SE. along road; 30 ft SW. at right angle to road) 43 ft S. of road; 2 ft N. of S. right-of-way fence; in concrete post; standard tablet stamped "ET 1 GT 1960 928" (Not found, R.L.J. 9-77) 928.161

LINE 4

I.P. Adams, Jr. 1977; Book CV-3402

MAQUOKETA QUAD. - 138

- 1 5 0.0 BM, 7.7 mi W. along State Hwy. 64 from the Farmers Mutual Aid Association Bldg. at Preston, Jackson County, at the top of a hill, at a curve, 285 ft SW. of a guardrail fence in front of a farmhouse, 75 ft SW. of a private entrance to a field, 44 ft NW. of the centerline of the hwy., 1 ft SE. of the right-of-way fence, and 2 ft lower than the hwy., a standard disk (NGS) stamped "E 79 1934" and set in the top of a concrete post 885.228
- 6 0.4 UE E 79 A, 0.4 mi NE. along road from tablet, T. 84 N.; R. 4 E., near the quarter cor. between secs. 29 and 30; 15 ft S. and 55 ft E. and 0.3 ft higher than I-rd. N.; at a concrete gutter; on top of the center of a bend in the E. concrete curb; a chiseled square 870.10
- 7 1.0 UE E 79 B, about 1 mi NE. and E. along road from tablet; about 0.2 mi E. of the center of section 29; T. 84 N., R. 4 E., 17 ft N. and 3 ft W. and level with road at concrete gutter; on top of the center of a curve of the W. concrete curb of the gutter; a chiseled square 836.98

MILES QUAD. - 137

- 9 2.0 BM, Spragueville; 1.2 mi S. and 3.3 mi W. of; T. 84 N.; R. 4 E.; about 0.15 mi E. of the center of sec. 28; 41 ft N. and 230 ft E. and 1.6 ft higher than road at drive S.; on the top of E. end of N. headwall of culvert; set a drill hole; a standard N.G.S. tablet stamped "D 79 1934" 786.015

LINE 5

FEET

I.P. Adams, 1977; Book CV-3402

MAQUOKETA QUAD. - 138

- | | | | | |
|----|-----|-----|--|---------|
| 1 | 10 | 0.0 | UE E 79 A (Described in Line 4) | 870.10 |
| 11 | 0.5 | | UE E 79 C, 0.75 mi N. and 0.25 mi E. of tablet; T. 84 N.; R. 4 E., 246 ft N. and 25 ft W. and 16.9 ft lower than T-rd. W. at the approx. cor. of secs. 19, 20, 29 and 30; on top of the W. end of a 2 ft corrugated metal culvert; a punched hole | 843.36 |
| 14 | 2.1 | | UE E 79 D, 2.25 mi N. and 0.3 mi E. of tablet; T. 84 N., R. 4 E.; near the quarter cor. between secs. 17 and 18, about 300 ft E. of a road at curve; 19 ft N. and 21 ft W. and 2.4 ft lower than road at drive N.; on top of the W. end of a 1 ft corrugated metal culvert; punched hole | 852.90 |
| 18 | 2.8 | | BM, Spragueville; 0.9 mi N. and 4.3 mi W. of; T. 84 N.; R. 4 E.; about 0.2 mi E. of the center of sec. 17; 20 ft N. and 51 ft E. and 1.8 ft lower than T-rd. N.; 8.5 ft SE. of a fence corner; 1.3 ft W. of a power pole and witness tag; inside a 6-in. plastic drain tile; on top of a copper coated metal rod; a standard tablet stamped "1 TPA 1977" | 840.380 |
| 19 | 2.8 | | Reference mark, 38 ft S.-SW. of tablet; 16 ft S. and 37 ft E. and 1.2 ft lower than T-rd. N.; on top of the E. end of a corrugated metal culvert under a foot path to a house; a punched hole | 840.89 |
| 21 | 3.5 | | UE 1 A, about 0.7 mi NE. along road from tablet, T. 84 N.; R. 4 E., about 0.15 mi E. of the corner of secs. 8, 9, 16 and 17; 119 ft SE. and 19 ft NE. and 1 ft higher than T-rd. SW.; on top of the NW. end of a corrugated metal culvert under a pasture entrance NE.; a punched hole | 847.82 |
| 24 | 4.3 | | UE 1 B, about 1.6 mi N. along roads from tablet; T. 84 N.; R. 4 E.; about 0.1 mi E. of the center of the NW $\frac{1}{4}$ of sec. 8; 221 ft SE. and 12 ft SW. and 7.1 ft higher than the center of the bridge over the Maquoketa River; 4.3 ft higher than water; opposite the SE. end of the SW. steel guard rail; on top of the SW. concrete curb of bridge; a chiseled square | 663.26 |
| 27 | 5.5 | | UE 1 C, 2.7 mi NW. along roads from tablet, T. 84 N., R. 4 E., near the quarter corner between secs. 6 and 7; 208 ft SE. and 24 ft SW. and 1 ft lower than road at concrete driveway SW. to house; opposite the NE. corner of a barn; on top of the NW. end of a corrugated metal culvert under an abandoned field entrance; a punched hole | 830.27 |
| 30 | 6.6 | | Reference mark, 64 ft S. of tablet; 126 ft S. and 134 ft W. and 7.4 ft lower than the easternmost junction of a triangular road junction; on top of the NE. end of a 2 ft corrugated metal culvert; a punched hole | 833.18 |
| 31 | 6.6 | | BM, Spragueville, 3.4 mi N. and 5.8 mi W. of; 2.4 mi S. and 2.5 mi E. of Andrew; about 0.2 mi E. of the corner of secs. 36; T. 85 N., R. 3 E., sec. 31, T. 85 N., R. 4 E.; sec. 1, T. 84 N., R. 3 E., and sec. 6, T. 84 N.; R. 4 E.; at a triangular road intersection, 62 ft S. and 113 ft W. and 0.4 ft lower than easternmost junction of intersection; 1.8 ft E. of a power pole with a witness tag; on top of a copper coated rod; inside a 6-in. plastic drain pipe; a standard tablet (N.G.S.) stamped "2 TPA 1977" | 840.127 |

LINE 5 (Cont'd)

MAQUEKETA QUAD. - 138

FEET

- 1 36 8.0 UE 2 A, about 1.4 mi NE. along road from tablet; T. 85 N., R. 4 E.; about 0.2 mi SW. of the center of sec. 32, about 300 ft SW. of a I-rd. NW.; 15 ft S. and 22 ft E. and 1.2 ft lower than center of small wooden bridge; 13.3 ft higher than water; on top of the SE. end of the SE. wooden wingwall of bridge; a copper nail and washer 639.99
- 40 8.7 UE 2 B, 2.1 mi NE. and N. along roads from tablet; T. 85 N., R. 4 E., 0.2 mi E. of the corner of secs. 29, 30, 31 and 32; 20 ft S. and 76 ft W. and 0.7 ft higher than I-rd. W.; on top of the S. end of a 2 ft corrugated metal culvert; a punched hole 766.54
- 41 9.0 BM, Andrew; 1.2 mi S. and 3.6 mi E. of; T. 85 N., R. 4 E., 0.2 mi N. and 0.25 mi E. of the cor. secs. 29, 30, 31 and 32; 76 ft S. and 10 ft W. and 0.6 ft higher than the center of the bridge over Brush Creek; 23.6 ft higher than water; on top of the N. end of the curved SW. wingwall of bridge; set in a drill hole; a standard N.G.S. tablet stamped "3 TPA 1934" 652.334
- 42 9.0 Reference mark, 21 ft E. of tablet; 76 ft S. and 10 ft E. and 0.6 ft higher than center of bridge; on top of the N. end of the curved SE. wingwall of bridge; a chiseled square 652.30
- 46 10.5 UE 3 A, about 1.5 mi N. along rd. from tablet, T. 85 N.; R. 4 E.; about 0.3 mi NE. of the center of sec. 19, about 250 ft SW. and 2.1 ft lower than I-rd. SW.; 24 ft N. and 12 ft W. (normal to road) of road at drive N.; on top of the W. end of a 1 ft corrugated metal culvert; a punched hole 859.93
- 49 12.0 UE 3 B, 1.8 mi N. and 0.75 mi E. of tablet; T. 85 N., R. 4 E.; 47 ft S. and 10 lower than I-rd. N. at the approx. corner of secs. 16, 17, 20 and 21; on top of the E. end of a 1 ft corrugated metal culvert under a private drive S.; a punched hole 856.22
- 53 13.1 Reference mark, ft N.-NW. of tablet; 21 ft N. and 36 ft E. and 2.7 ft lower than I-rd. E., on top of the N. end of a 2.5 ft concrete pipe culvert; a chiseled square 869.26
- 54 13.1 BM, Andrew; 1.7 mi N. and 4.3 mi E. of; 1 mi N. and 2 mi W. of Springbrook; T. 85 N., R. 4 E.; about 300 ft N. of the corner of secs. 8, 9, 16 and 17; 34 ft S. and 58 ft E. and 1.1 ft higher than a I-rd. E.; 1 ft W. of a fence corner; 0.6 ft N. of a witness sign; inside a 6-in. plastic drain tile; on top of a copper coated steel rod; a standard N.G.S. tablet stamped "4 TPA 1977" 873.067

MILES QUAD. - 137

- 56 13.6 UE 4 A, 0.5 mi E. of tablet; T. 85 N., R. 4 E., near the quarter cor. between secs. 9 and 16; 14 ft N. and 247 ft W. and 19.2 ft lower than a I-rd. W.; on top of the N. end of a 2 ft corrugated metal culvert; a punched hole 851.66
- 60 14.3 UE 4 B, 0.5 mi E. thence 0.7 mi N.-NE. along road from tablet, T. 85 N., R. 4 E., about 0.3 mi S. and 0.3 mi W. of the corner of sec. 3, 4, 9 and 10; 8 ft N. and 13 ft E. and 0.2 ft lower than center of a small wooden bridge; 12.6 ft higher than drain; on top of the SW. most one of three support posts for the NE. wooden wingwall of bridge; a copper nail and washer 779.47

LINE 6

FEET

I.P. Adams, Jr., 1977; Book CV-3402

BALDWIN QUAD. - 139

- | | | | | |
|------------------------------|-----|-----|--|---------|
| 3 | 16 | 0.0 | BM, At Mashville; near the NW. edge of the village; about 0.18 mi N. and 0.13 mi W. of the cor. of secs. 24 and 25; T. 84 N., R. 1 E. and secs. 19 and 30; T. 84 N., R. 2 E., 38 ft N. and 190 ft W. and 1.4 ft lower than road at drain near an abandoned railroad grade; on top of a concrete post; a standard N.G.S. tablet stamped "P 79 1934" | 714.165 |
| 17 | 0.3 | | UE P 79 A, about 0.18 mi S. and 0.13 mi E. of tablet; 16 ft N. and 2.8 ft E. and 1.8 ft lower than crossroads at the approx. cor. of secs. 24 and 25; T. 84 N., R. 1 E. and secs. 19 and 30; T. 84 N., R. 2 E.; on top of the N. end of a 1 ft corrugated metal culvert; a punched hole | 719.38 |
| 20 | 1.3 | | UE P 79 B, 1.2 mi S. and 0.13 mi E. of tablet; 23 ft S. and 21 ft E. and 0.9 ft lower than I-rd. E. at the approx. cor. of secs. 25 and 36; T. 84 N., R. 1 E. and secs. 30 and 31; T. 84 N., R. 2 E.; on top of the SE. end of a 1 ft corrugated metal culvert; a punched hole | 785.91 |
| 23 | 2.2 | | UE P 79 C, about 1.2 mi S. and 0.95 mi E. of tablet; T. 84 N., R. 2 E., about 0.15 mi W. of the cor. of secs. 29, 30, 31 and 32; 7 ft N. and level with the center of a bridge; 1 ft S. of the center of the N. edge of bridge; 15 ft higher than water, a copper nail and washer | 730.62 |
| 25 | 2.9 | | BM, Nashville; 1 mi S. and 1.5 mi E. of; T. 84 N., R. 2 E., 30 ft S. and 29 ft E. and 0.2 ft higher than I-rd. W. at the approx. quarter cor. of secs. 29 and 32; 1.2 ft S. of a power pole; 1.5 ft W. of the right-of-way fence; 1 ft N. of a witness sign; inside of a 6-in. clay drain tile; on top of a copper coated steel rod; a standard tablet stamped "7 TPA 1977" | 762.849 |
| 26 | 2.9 | | Reference mark, 225 ft S. of tablet; 255 ft S. and 15 ft E. and 6.6 ft lower than I-rd. W.; on top of the E. end of a 2 ft corrugated metal culvert; a punched hole | 755.99 |
| 28 | 3.7 | | UE 7 A, 0.85 mi S. of tablet; 0.15 mi N. of the quarter cor. between sec. 32; T. 83 N., R. 2 E.; 337 ft N. and 16 ft E. and 20.2 ft lower than I-rd. NE.; on top of the NE. end of an 18-in. corrugated metal culvert; a punched hole | 828.69 |
| <u>MAQUOKETA QUAD. - 138</u> | | | | |
| 32 | 4.5 | | UE 7 B, 0.5 mi S. and 0.5 mi E. of tablet, T. 84 N., R. 2 E.; 20 ft S. and 23 ft E. and 0.5 ft higher than I-rd. E. at the approx. quarter cor. between secs. 32 and 33; on top of the S. concrete headwall of a culvert; at an angle in headwall; a chiseled square | 776.01 |
| 33 | 5.0 | | UE 7 C, 0.5 mi S. and 1 mi E. of tablet; T. 84 N., R. 2 E.; 17 ft N. and 64 ft W. and 2.6 ft lower than crossroad at the approx. center of sec. 33; on top of the N. end of a 2 ft corrugated metal culvert; a punched hole | 797.63 |
| 36 | 5.6 | | BM, Nashville; 2 mi S. and 2.5 mi E. of; 3 ft S. and 87 ft E. and 17.9 ft lower than road at E.-W. fence at the approx. quarter cor. between secs. 33; T. 84 N., R. 2 E. and sec. 4; T. 83 N., R. 2 E.; 1 ft S. of a power pole; 1 ft N. of a witness sign; inside a 6-in. clay drain tile; on top of a copper coated steel rod; a standard N.G.S. tablet stamped "8 TPA 1977" | 747.402 |
| 37 | 5.6 | | Reference mark, 117 ft S.-SW. of tablet; 122 ft S. and 60 ft E. and 16.6 ft lower than road at fence E. and W.; on top of the E. end of a 6 ft corrugated metal culvert; a punched hole | 748.68 |

LINE 6 (Cont'd)

MAQUOKETA QUAD. - 138

FEET

- 3 40 6.4 UE 8 A, 0.8 mi S. of tablet; T. 83 N., R. 2 E., 0.2 mi N. of the quarter cor. between secs. 4 and 9, 43 ft S. and 16 ft W. and 2.5 ft higher than the center of the bridge, over Prairie Creek; 15.5 ft higher than water; on top of the N. end of the SW. concrete guard rail; a metal disk stamped "716.83 1977" 724.54
- 42 6.6 UE 8 B, 1 mi S. of tablet; T. 83 N., R. 2 E., 33 ft N. and 48 ft W. and 5.4 ft lower than crossroads at the approx. quarter between secs. 4 and 9, 0.4 ft S. of the N. end of a 3 ft corrugated metal culvert; a punched hole 720.44
- 45 7.6 UE 8 C, 2 mi S. of tablet; T. 83 N., R. 2 E., 25 ft N. and 56 ft E. and 3.5 ft lower than crossroad at the approx. quarter cor. between secs. 9 and 16; on top of the N. end of a 3 ft corrugated metal culvert; a punched hole 733.39

DEWITT QUAD. - 113

- 48 8.2 BM, Nashville, 4.5 mi S. and 2.5 mi E. of; about 0.25 mi N. and 0.25 mi E. of Elwood; T. 83 N., R. 2 E.; near the center of sec. 16; 214 ft SW. of the center of State Hwy. 136 at a N.-S. road crossing; 18 ft SW. and 17 ft NW. and 2.9 ft higher than hwy. at the center of a bridge; 21.9 ft higher than water; on top of the SW. end of the NW. concrete guard rail; set in a drill hole; a metal disk stamped "I.H.C. BM" 738.026
- 49 8.3 Reference mark, 56 ft E. of tablet; 24 ft NE. and 20 ft SE. and 0.4 ft higher than center of bridge; on top of the E. end of the eastern-most concrete wingwall of bridge; a chiseled square 735.51
- 51 8.3 UE I.H.C. A, about 150 ft S. and 150 ft E. of tablet; about 300 ft S. of crossroad; T. 83 N., R. 2 E., about 0.1 mi S. of the center of sec. 16; 9 ft E. and 0.5 ft higher than the center of a bridge; 14.8 ft higher than water; on top of the center of the W. edge of the E. concrete curb of bridge; a chiseled square 731.25

LINE 7

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

MAQUOKETA QUAD. - 138

- 1 3 0.0 Maquoketa, Jackson County, 8 mi E. of, along Iowa Hwy. 64, in SE¼ of sec. 30, T. 84 N., R. 4 E., 100 ft W. of road at drive NW., 8 ft SW. of drive, 47.5 ft NW. of centerline of hwy. and 7.5 ft SE. of right-of-way fence, a standard US&G disk, stamped "E 79 1934" 885.228
- 4 0.6 UE "E 79 AA", about 0.6 mi SW. along State Hwy. 64 from tablet in NW¼ sec. 31, T. 84 N., R. 4 E. at I-rd. SE.; 153 ft SE. and 31 ft SW. of I-rd.; 24 ft N. of centerline of drive W.; top of N. end of 24-in. steel culvert; a cut "X" 873.94
- 7 1.5 UE "E 79 BB", about 1 mi SSE. (airline) of tablet; about 0.25 mi N. of SW. cor. secs. 32, T. 84 N., R. 4 E., 440 ft S. of I-rd. S., 27 ft E. and 7.5 ft lower than centerline of road on top of E. end of 36-in. steel culvert; a cut "X" 832.40

LINE 7 (Cont'd)

MAQUOKETA QUAD. - 138

FEET

- 1 8 2.2 UE "E 79 CC", about 2 mi (airline) S. of tablet, near W $\frac{1}{2}$ cor. sec. 5, T. 83 N., R. 4 E., about 0.4 mi N. of Sugar Creek; 33 ft SE. of road, 10 ft NE. of field entrance, 1 ft lower than road at field entrance, top NE. end of 18-in. steel culvert; a cut "X" 819.03
- 13 2.7 BM, Delmar, 4 mi E. and 1.5 mi N. of; at bridge over Sugar Creek about 1000 ft N. of SW. cor. sec. 5, T. 83 N., R. 4 E., 32 ft N. and 10 ft E. of road at centerline of drain, at NE. cor. of bridge, on top of concrete foundation, a standard tablet stamped "1 LAP 1977" 701.212
- 12 2.7 Reference mark, 62 ft S. of BM, on top of SE. wingwall, a chiseled square 702.33
- 14 3.1 UE "1 LAP A", about 0.43 mi S. of tablet, 21 ft E. and 6 ft N. of a road at entrance E., top of N. end of 12-in. steel culvert; a punched hole 773.69
- 19 3.8 UE "1 LAP B", about 1.2 mi S. of tablet; about 400 ft N. of SE. cor. sec. 7, T. 83 N., R. 4 E., 15 ft W. of centerline of road, top of S. end of W. headwall; a chiseled square 736.41
- 22 4.1 UE "1 LAP C", about 1.5 mi S. of tablet; about 1090 ft S. of NE. corner sec. 18, T. 83 N., R. 4 E.; 18 ft W. of and same elevation as road at drain; 14 ft higher than drain top of S. end of W. headwall; a chiseled square 735.87

DEWITT QUAD. - 113

- 23 4.7 BM, Delmar, 4.4 mi E. along State Hwy. 136 from, at E $\frac{1}{2}$ corner of SE $\frac{1}{4}$ sec. 18, T. 83 N., R. 4 E.; 96 ft N., 38 ft W. and 3.7 ft higher than junction of State Hwy. 136 and N.-S. gravel road; 2 ft S. of SE. corner of power sub-station, 7.3 ft N. of fence corner, 1 ft S. of witness sign; a standard rod supported tablet (rod driven 14 ft to refusal), stamped "2 LAP 1977". 842.775
- 24 4.7 Reference mark, 75 ft S. and 17 ft E. of tablet; 21 ft N., 21 ft W. and 27 ft NW. of cross-roads, top of W. end of 18-in. steel culvert; a punched hole 837.14
- 27 5.2 UE 2 LAP A, about 0.5 mi S. along road from tablet; near E $\frac{1}{2}$ cor. NE $\frac{1}{4}$ sec. 19, T. 83 N., R. 4 E.; 20 ft W. and 3 ft lower than road at fence SE.; top of W. end of 24-in. steel culvert; a cut "X" 796.91