

THIRD-ORDER LEVELS
SEA LEVEL DATUM OF 1929

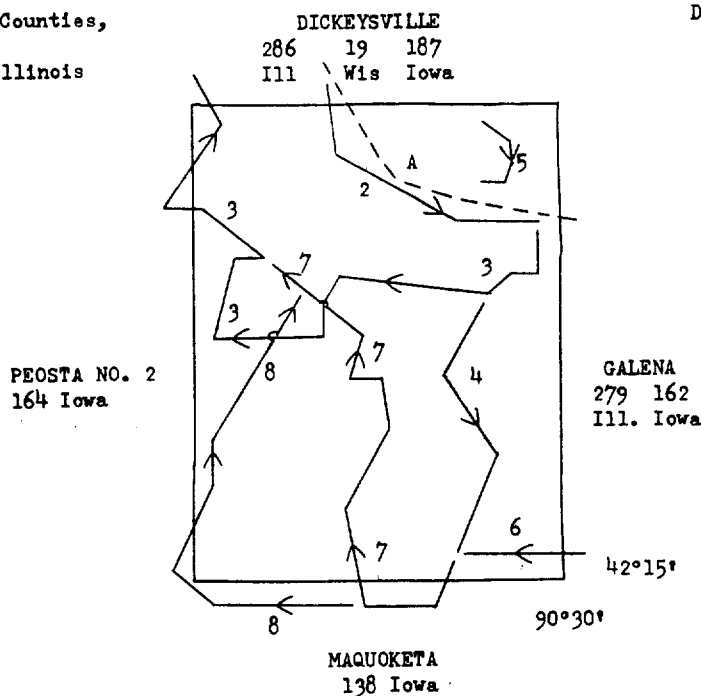
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

EAST DUBUQUE QUADRANGLE
163 - Iowa, 280 - Illinois
N4215-W9030/15
Diagram NK 15-6
Dubuque, Ill.-Iowa

Dubuque and Jackson Counties,
Iowa
Jo Daviess County, Illinois

Typed 10/13/65

PR: CB/et



USC&GS LEVELING

A. No. 420923

Feet

LINE 1

ISOLATED BENCH MARKS

Note: These elevations are not to be used for starting or tying a level line. The elevations given are not reliable but are included in order to complete the list.

Dubuque, NE. cor. of Grandview and Dodge Streets; iron post stamped "875"	874.0
Otter Creek Township, sec. 2, T. 86 N., R. 2 E., rd. crossing Chicago, Milwaukee and St. Paul RR., near W. sec. line, 10 ft S. of track; iron post stamped "921" (Not found 8/62, JAF)	911.9
Zwingle station, sec. 35, T. 87 N., R. 2 E., C. M. & St. P. RR., W. end of platform; iron post stamped "902" (Not found 8/62, JAF)	893.5
LaMotte, sec. 4, T. 86 N., R. 3 E., cor. Market and Water Streets, 40 ft NE. of RR.; iron post stamped "923" (Reported not found 6/30/54 USC&GS and N.F. 9/62, JAF)	914.2
Bellevue Township, T. 86 N., R. 4 E., SW $\frac{1}{4}$ sec. 6, junction of wagon rds., near Anton Ernest's house; iron post stamped "708" (Not found 9/62, JAF)	699.7
T. 87 N., R. 3 E., sec. 22, SE. cor. Nat Mandor's shed, W. side of rd., 200 ft SW. of bridge over Tete des Morts River, on half-section line; iron post stamped "718" (Not found 9/62, JAF)	709.3
St. Donatus post office, near center of sec. 7, T. 87 N., R. 4 E., iron post stamped "674" (Not found 9/62, JAF)	665.5

163 B

2
EAST DUBUQUE QUADRANGLE
163 - Iowa, 280 - Illinois

LINE 1 (Cont'd)

Feet

T. 88 N., R. 3 E., near center of NE $\frac{1}{4}$ sec. 27, St. Katherine's Church, NW. cor. of yard of priest's house; iron post stamped "1123" 1114.1

LINE 2

FROM A POINT AT DUBUQUE, SOUTHEAST TO NEAR CENTER OF EAST BORDER (By J. D. Finch, 1953, Book CV-594)

DICKEYSVILLE QUAD. 187 - 19 - 286

➤ 0.0 Dubuque, at the Chicago Great Western RR. station, in the W. side of the brick sill of the ticket office window, and about 5 ft above the platform; a USC&GS standard disk stamped "L 72 1934" and set vertically 613.375

EAST DUBUQUE QUAD. 163 - 280

➤ 0.7 UE 72 A, at Illinois Central RR. station, on NE. cor. base flag pole; chiseled square 607.01

➤ 1.6 UE 72 B, on NE. cor. of concrete block signal base at S. edge of I. C. RR. yards 608.2

➤ 2.1 UE 72 C, on NE. cor. concrete base of block signal #1847 614.6

➤ 2.8 Reference mark, in bridge retaining wall on SW. cor. of bridge; copper nail and washer 610.18

2.8 Dubuque, 2.84 mi S. of along C. M. St. P. & P. RR., T. 88 N., R. 3 E., near cor. secs. 5 and 6, 80 ft N. of S. end of bridge over Catfish Creek, set in concrete pier, 8 ft W. of center of track and 6.3 ft lower; standard tablet stamped "JDF 48 1953" 603.556

3.5 UE 48 A, 250 ft S. of milepost 40 and 18 ft W. of tracks, on top of large white rock; chiseled square 613.25

4.2 PEM 284, about 3.25 mi S. along C. M. St. P. & P. RR. from Dubuque, at Cattese Siding, about 250 ft S. of station sign, directly opposite first pole N. of culvert 575, and 47 ft W. of center of main track; top of iron post set over copper bolt bearing MRC cap stamped 42°27'25" 90°37'28"

4.2 PEM 285, top of cap on iron pipe over PEM 284 (described above) Elev. by USC&GS 616.505

4.7 UE 285 A, 66 ft S. and 8 ft E. of center of bridge K-90, in SE. cor. of wood abutment; copper nail and washer 613.29

5.4 UE 285 B, 9 ft W. of center of track at drain, on W. end of concrete pipe; chiseled square 614.41

6.2 285 C, 20 ft W. of track at drain, on W. end of metal pipe 5.4 ft below track; painted square 600.8

6.8 UE 285 D, 24 ft S. and 10 ft W. of center of bridge K-85, in bridge timber on SW. cor. of bridge; copper nail and washer 617.11

6.9 Shawondasse, at, 350 ft N. of rd. crossing, 18 ft S. of milepost 37, 5 ft W. of center of track, set in concrete; standard C. of E. tablet stamped "R 573-8-84-488-03 1940" (Description and elevation by USGS) 622.643

7.5 UE R 1, 8 ft S. and 9 ft W. of center of bridge K-82, in bridge timber at SW. cor. of bridge; copper nail and washer 620.34

8.3 UE R 2, 17 ft S. and 7 ft W. of center of bridge K-78, in bridge timber on SE. cor. of bridge; copper nail and washer 609.41

9.1 UE R 3, 360 ft S. of milepost 35 and 80 ft S., 22 ft W. of switch siding, on W. end of pipe; painted square 616.6

LINE 2 (Cont'd)

Feet
EAST DUBUQUE QUAD. 163 - 280

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| 9.7 Shawondasse, 2.0 mi SE. along C. M. St. P. & P. RR. from, T. 88 N., R. 3 E., near cor. secs. 19, 24, 25 and 30, 650 ft NW. of S. end of Watkins Siding, 18 ft W. of center of track, set in rock; standard tablet stamped "JDF 49 1953" | 617.062 |
| 9.7 Reference mark, 710 ft SE., on SE. cor. of bridge K-76, 18 in. from S. cor. bolt head | 614.64 |
| 10.5 UE 49 A, 11 ft W. and 0.7 ft lower than track at drain, on W. end of concrete tube, painted square | 610.6 |
| 10.7 Reference mark, top of bolt on SW. end of bridge K-72 | 611.35 |
| 10.7 PBM 290, about 3.0 mi NW. along C. M. St. P. & P. RR. from Gordons Ferry, T. 87 N., R. 4 E., near cor. secs. 3 and 4, 35 ft SE. of bridge K-72, 46 ft SW. of center of track, top of copper bolt set in concrete, access to which is gained by iron pipe bearing MRC standard cap | |
| 10.7 PBM 291, top of cap on iron pipe set over PBM 290, described above (Elev. by USC&GS) | 607.886 |
| 11.5 UE 291 A, 12 ft W. of track, on W. end of concrete culvert; chiseled square | 609.22 |
| 11.8 UE 291 B, 18 ft S. and 9 ft W. of center of bridge K-70, in SW. cor. of old bridge timber; copper nail and washer | 606.19 |
| 12.4 UE 291 C, 12 ft W. and 2.7 ft lower than track, at drain; on top W. end of culvert; chiseled square | 607.14 |
| 13.0 P.B.M. 292, about 1.0 mi NW. along C. M. St. P. & P. RR. from Gordons Ferry, about 350 ft NW. of Tete du Mort Creek, 24 ft SW. of center of track, top of bolt leaded in tile, access to which is gained through iron pipe bearing MRC standard cap | |
| 13.0 P.B.M., 293, top of cap on iron pipe set over PBM 292, (described above) Elev. by USC&GS | 604.175 |

LINE 3

NEAR CENTER OF EAST BORDER, GENERALLY WEST THROUGH CENTER OF QUAD. THENCE NORTH ALONG WEST BORDER (By J. D. Finch, 1953, Book CV-594)

EAST DUBUQUE QUAD. 163 - 280

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|--|---------|
| 13.0 P.B.M. 292 (Described above) | |
| 13.0 P.B.M. 293 (Described in Line 2) | 604.175 |
| 13.0 Reference mark, NE. cor. of bridge K-66 pier | 604.94 |
| 13.0 Gordons Ferry, 1.0 mi N. of, T. 87 N., R. 4 E., near NW. cor. sec. 3, 50 ft N. and 20 ft W. of N. end of bridge K-66, USC of E post stamped "10/15/42 12 R-8" (Description and elevation by USGS) | 606.861 |
| 13.9 UE R 8 A, 55 ft S. and 13 ft E. of fence cor., at rd. bend, in root of 30 in. maple tree; copper nail and washer | 647.57 |
| 14.5 UE R 8 B, center of gravel rd. at farm drive N. and field entrance S. | 743.5 |
| 14.9 UE R 8 C, 8 ft S. of center of rd. at drain, in center of S. end concrete culvert; chiseled square | 644.80 |

EAST DUBUQUE QUADRANGLE
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LINE 3 (Cont'd)

EAST DUBUQUE QUAD. 163 - 280 Feet

15.2	"50 JDF 1953" (Reported destroyed 11/25/54 P.P. Berry)	750.073
16.0	UE 50 A, 320 ft W., 20 ft S. and 20.7 ft higher than rd. at bridge, in power pole, on S. side of rd.; rail spike (bridge is being removed)	700.52
16.7	UE 50 B, 21 ft S. and 21 ft W. of center of crossroads, and U.S. Hwy. 52, in power pole; rail spike	661.53
17.3	UE 50 C, 14 ft W. and 1 ft lower than center of U.S. Hwy. 52 at drain, on center of W. end concrete culvert; chiseled square	674.77
18.1	Reference mark, 250 ft SE. on SW. cor. of bridge on curbing; chiseled square	700.89
18.1	St. Donatus, 1.25 mi N. and 1.0 mi W. of, near NW. cor. sec. 1, T. 87 N., R. 3 E., 275 ft NW. along U.S. Hwy. 52 and 58 ft SW. from Y-rd. N., 2 ft SE. from T-fence SW., in concrete post; standard tablet stamped "51 JDF 1953"	701.576
18.8	UE 51 A, 42 ft SE. and 21 ft NE. from Y-rd. W., on S. side spillway curbing; chiseled square	740.49
19.3	UE 51 B, 352 ft NW. along U.S. Hwy. 52 and 15 ft SW. from field entrance NE., on N. side of spillway; chiseled square	772.36
20.0	UE 51 C, 12 ft SE. and 15 ft SW. and 0.5 ft higher than center of rd. at concrete bridge, on curb at SW. cor. of bridge; chiseled square	807.62
20.5	UE 51 D, 14 ft NE. of center of rd. at drain, on S. side of spillway at rd.; chiseled square	971.16
20.9	St. Donatus, 3.0 mi N. and 3.0 mi W. of, T. 88 N., R. 3 E., in NW $\frac{1}{4}$ sec. 27, 75 ft S. of Y-rd. E. to St. Catherine's Church, 1 ft N. and 1 ft E. of yard fence, in concrete post; standard tablet stamped "52 JDF 1953"	1088.118
20.9	Reference mark, 150 ft NW. on concrete spillway on S. side of rd.; chiseled square	1096.00
21.6	UE 52 A, 24 ft S. and 0.1 ft higher than center of U.S. Hwy. 52 at farm drive N. and field line S., on concrete spillway; chiseled square	1119.88
22.1	UE 52 B, 54 ft NW., 20 ft NE. and 0.6 ft higher than farm drive N. and T-fence S., on concrete spillway on N. side of rd.; chiseled square	1135.08
22.6	UE 52 C, 24 ft E. of center of U.S. Hwy. 52 at drain NE., on N. side concrete spillway; chiseled square	1124.92
22.9	Reference mark, 380 ft E. on N. side of rd., about 1 ft above ground; rail spike	1124.83
22.9	Dubuque, 4.5 mi S. and 3.0 mi E. of, T. 88 N., R. 3 E., near quarter cor. between secs. 20 and 21, 530 ft W., 27 ft N. of intersection of U.S. Hwy. 52 and gravel rd. W., 1 ft S. of right-of-way fence, in concrete post; standard tablet stamped "53 JDF 1953"	1123.963
23.7	UE 53 A, 18 ft E. and 1.2 ft lower than center of rd. at drain, on E. end metal culvert; painted square	1082.7
24.1	UE 53 B, 15 ft S. and 17 ft E. of center of T-rd. W., in power pole, 0.4 ft lower than intersection; rail spike	1112.1
24.8	Dubuque, 6.5 mi S., 0.5 mi E., T. 88 N., R. 3 E., near center sec. 30, 770 ft E. and 30 ft S. of T-rd. N., 1 ft N. and 1 ft W. of cross fence, in concrete post; standard tablet stamped "54 JDF 1953"	1115.980

LINE 3 (Cont'd)

Feet
EAST DUBUQUE QUAD. 163 - 280

24.8	Reference mark, 260 ft W. on S. side of rd., in power pole; rail spike	1119.03
25.3	UE 54 A, 27 ft N. and 21 ft E. and 0.6 ft higher than rd. at T-rd. W., in power pole on E. side of rd.; rail spike	1159.17
25.6	USC&GS Triangulation Station HANTON. About 7.0 mi due S. of Dubuque, on high ground known locally as Hanton Ridge, on land owned and occupied by Gregory Hanton; mark is 7.6 meters N. of center of T.W.P. rd. running E.-W., 195 meters E. of lane leading to farm and is at fence line	1176.584
25.6	UE 54 B, 13 ft W. and 3.1 ft lower than center of rd. at drain, on E. side of drop inlet concrete culvert; chiseled square	1099.32
26.0	UE 54 C, 170 ft W., 39 ft N. and 3.8 ft higher than center of gravel crossroads, in power pole; rail spike	1119.3
26.8	UE 54 D, 15 ft S. and 48 ft E. and 51 ft lower than center of rd. at entrance to school S., on metal culvert; painted square	1098.5
27.5	"TT 20 T 1953" (Reported destroyed 11/25/54 P. P. Berry)	1127.909
27.5	Reference mark, 350 ft W. and 60 ft N. of tablet, top of rail protruding about 6 in. above ground	1142.89
28.2	UE 20 A, 13 ft S. and 4 ft W. and same elevation as center of rd. at drain; on concrete culvert; chiseled square	1038.84
29.3	UE 20 B, 15 ft S. and 60 ft E. and 3.6 ft higher than center of gravel rd. at drive to farm S., on metal culvert; painted square	986.5
29.5	UE 20 C, 12 ft S., 15 ft W. and 1.2 ft lower than center of rd. at drive S.	975.4
30.0	Reference mark, 18 ft S. and 33 ft E. and 6.3 ft lower than center of gravel crossroads, on E. end of concrete headwall culvert; chiseled square	963.03
30.0	Dubuque, 8.0 mi S. and 4.0 mi W. of, 5.0 mi S. and 2.5 mi W. of Rockdale, near SW $\frac{1}{4}$ sec. 33, T. 88 N., R. 2 E., 172 ft NE. (along U.S. Hwy. 151) from rd. fork NW., 70 ft E. of center of rd. at top of out, 3 ft E. of E. right-of-way fence, in concrete post; standard tablet stamped "TT 21 T 1953" (Reported destroyed 11/54, PPB)	986.606
30.6	UE 21 A, 4.7 ft lower than center of gravel rd., at E.-W. drain, on top of metal pipe; painted square	1044.0
31.2	UE 21 B, 17 ft S., 12 ft W. and 4.5 ft lower than center of metal bridge, on NW. cor. concrete abutment; chiseled square	1013.66
32.0	UE 21 C, 12 ft W. and 0.3 ft lower than center of gravel rd. at E.-W. drain, on top of 24 in. metal culvert; painted square	1065.8
32.3	Dubuque, 6.0 mi S. and 4.0 mi W. of, 3.0 mi S. and 2.5 mi W. of Rockdale, 172 ft NE. (along U.S. Hwy. 151) from rd. fork S., 33 ft NW. of center of Hwy. 121, near quarter cor. secs. 21 and 28, T. 88 N., R. 2 E., 3 ft N. of N. right-of-way fence, in concrete post; standard tablet stamped "TT 22 T 1953"	1110.994
32.3	Reference mark, 220 ft NE., on SE. end of concrete culvert; chiseled square	1109.22
32.7	UE 22 A, 210 ft S. and 15 ft W. of U.S. Hwy. 151 at airport rd., on 14 in. metal pipe; painted square	1101.3

LINE 3 (Cont'd)EAST DUBUQUE QUAD. 163 - 280 Feet

- 34.1 Dubuque Municipal Airport, at SE. cor. of concrete lightning maintenance well, flush with surface of ground. It is 16.9 ft E. of S. cor. of field lightning volt building, 47.2 ft S. of SE. leg of airport beacon, 32.6 ft SW. of 64 ft antenna pole, stamped "Y 163 1952" (USC&GS standard disk) 1068.534
- 0.5 UE Y 1, 16 ft W. and 2.1 ft lower than center of gravel rd. at drain NE., on top of metal culvert; painted square 1064.8
- 1.0 UE Y 2, 18 ft S. and 42 ft E. and 0.9 ft higher than center of rd. at T-rd. S., on top of metal pipe; painted square 1067.8
- 2.1 UE 22 B, 30 ft E. and 0.1 ft lower than center of U.S. Hwy. 151 at T-fence E., on S. side concrete spillway; chiseled square 1073.40
- 2.5 Dubuque, 5.0 mi S. and 2.0 mi W. of, T. 88 N., R. 2 E., SW $\frac{1}{4}$ sec. 15, 500 ft N. and 63 ft W. of center of rd. at T-rd. W., 9 ft E. of 30 in. maple tree; USGS iron post about 2 ft above ground stamped "1071" 1069.800
- 2.8 UE 22 C, 21 ft S. and 4.2 ft lower than center of gravel rd. at drain, on W. and of S. wing wall of concrete culvert; chiseled square 900.18
- 3.4 Dubuque, 5.0 mi S. and 4.0 mi W. of, 2.0 mi S. and 2.5 mi W. of Rockdale, near quarter cor. secs. 16 and 21, T. 88 N., R. 2 E., 50 ft N. and 46 ft E. of T-rd. NW., in concrete post; standard tablet stamped "TT 23 T 1953 RESET 1954 797" (Reported disturbed 11/63, C&GS) 797.611
- 3.4 Reference mark, 94 ft N., 46 ft W., on E. end of 6 ft metal pipe; painted square 776.60
- 3.8 UE 23 A, 24 ft N. and 12 ft W. and 0.3 ft lower than center of bridge at creek, on concrete abutment; chiseled square 724.88
- 4.5 UE 23 B, 16 ft S., 7 ft E. and 0.8 ft lower than center steel bridge; on metal I-beam support; painted square 749.2
- 4.9 UE 23 C, 2 ft N. and 6 ft E. and 0.1 ft lower than center of steel bridge, on wing wall; chiseled square 736.89
- 5.6 Dubuque, 3.0 mi S. and 4.5 mi W. of, 3.0 mi W. of Rockdale, in NE $\frac{1}{4}$ sec. 8, T. 88 N., R. 2 E., 255 ft SE. along rd. from T-rd. SE.; 41 ft SW. of center of rd., on top of cut, in concrete post; standard tablet stamped "TT 24 T 1953" 1118.514
- 5.6 Reference mark, 270 ft N. and 60 ft W. of tablet, in power pole on N. side of gravel rd.; rail spike 1102.38
- 7.8 Dubuque, 1.0 mi S. and 4.5 mi W. of, 3.0 mi W. of Rockdale, in NE $\frac{1}{4}$ sec. 5, T. 88 N., R. 2 E., 89 ft N. of drive SE. to house, 258 ft NW. of center of tile silo, 80 ft W. of windmill, 32 ft W. of center of rd., 500 ft S. of point of intersection of curve NE.; 3 ft W. of W. right-of-way fence, in concrete post; standard tablet stamped "TT 25 T 1953" 897.096
- 7.8 Reference mark, 350 ft NE., in power pole on E. side of rd.; rail spike 877.58
- 8.5 UE 25 A, 51 ft E. at T-fence E., in power pole at bend in rd.; rail spike 780.4
- 8.7 UE 25 B, 11 ft S. and 7 ft W. from center of steel bridge; on concrete curbing, a chiseled square 712.96
- 9.3 UE 25 C, 11 ft W. and 0.3 ft higher than center of rd. at drain, in SW. cor. of headwall of bridge; chiseled square 707.47

LINE 3 (Cont'd)

Feet
EAST DUBUQUE QUAD. 163 - 280

- 9.9 Dubuque, 1.0 mi S. and 4.0 mi W. of, 2.0 mi S. and 1.0 mi E. of Asbury, in S $\frac{1}{2}$ sec. 28, T. 89 N., R. 2 E., 532 ft SE. along rd. from U.S. Hwy. 20 at rd. fork, 27 ft S. of center of old Hwy. 20, 5 ft S. of right-of-way fence, 3 ft E. of jog in fence, in concrete post; standard tablet stamped "TT 26 T 1953" 869.404
- 9.9 Reference mark, 290 ft E. on S. side of old Hwy. 20, on E. end of concrete spillway; chiseled square 869.18
- 10.4 UE 26 A, 11 ft S. and 12 ft E. and same elevation as center of State Hwy. 20 at farm drive N., on E. side of concrete spillway; chiseled square 869.70
- 11.1 UE 26 B, 13 ft N. and 10 ft W. and 0.3 ft higher than center of bridge, on concrete curbing; chiseled square 788.34

MC CARTNEY QUAD. 188

- 11.8 UE 27 B, 13 ft S., 12 ft W. and 0.6 ft lower than center of gravel crossroads, on S. end of metal pipe culvert; painted square 900.88

LINE 4

LINE IN SOUTHEAST QUARTER OF QUADRANGLE. LEVELED TWICE (By J. D. Finch, 1953, Book CV-594)

EAST DUBUQUE QUAD. 163 - 280

- 0.0 UE 50 B, 21 ft S. and 21 ft W. of center of crossroads and U.S. Hwy. 52, in power pole; rail spike 661.55
- 2.1 St. Donatus, 2.0 mi S. and 1.0 mi W. of, in E $\frac{1}{2}$ sec. 24, T. 87 N., R. 3 E., 257 ft W. of center of rd. at crossing of steel electric transmission line, in center of tower at N. edge of small pond, in concrete post; standard USC&GS and State Survey tablet stamped "105" (Description and elevation by USGS) 1014.455
- 3.4 Reference mark 2 to USC&GS Triangulation Station KNIEF. SE. of station, at fence line W. of Dubuque Rd., 10 meters W. of center of this rd. and just W. of where this rd. tops the highest part of the ridge 1104.45

LINE 5

GENERALLY EAST AND SOUTH IN NORTHEAST PORTION OF QUADRANGLE (By J. D. Finch, 1953, Book CV-594)

EAST DUBUQUE QUAD. 163 - 280

Note: The elevations in this line cannot be considered reliable since the datum on which the starting and closing elevations are based could not be determined.

- 0.0 Menominee, 240 ft NW. of NW. end of bridge over Little Menominee River, on SW. side of rd., opposite rd. NE., 225 ft SE. of point in line with SE. side of Catholic Church, in concrete post; USC&GS and State Survey standard disk stamped "761" 760.514
- 0.7 UE 761 A, 21 ft SW. and same elevation as center of rd. at drain, on W. end of concrete culvert; chiseled square 819.12
- 1.4 UE 761 B, 141 ft S., 21 ft E. and 10.8 ft above drive to farm W. 839.1
- 2.0 UE 761 C, 5 ft S. and 13 ft E. and 2.7 ft lower than center of rd. at E.-W. drain, on concrete culvert; chiseled square 839.20
- 2.5 Reference mark, 210 ft N. and 27 ft E., on center of concrete culvert headwall; chiseled square 823.69

EAST DUBUQUE QUADRANGLE
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LINE 5 (Cont'd)

EAST DUBUQUE QUAD. 163 - 280 Feet

- 2.5 Menominee, Ill., 2.0 mi S. and 1.0 mi E. of, 267 ft S. and 37 ft W. of cross-road (U.S. Hwy. 20 E.-W.), half cor. secs. 5 and 32, Tps. 28 and 29 N., R. 2 W., 3 ft E. of W. right-of-way fence, in concrete post; standard tablet stamped "TT 48 T 1953" 821.091
- 3.1 UE 48 A, 12 ft S. and 21 ft E. at drive E., on top 14 in. metal pipe; painted square 835.0
- 3.4 UE 48 B, 12 ft S. and 21 ft E. at drive to house E., on top of 14 in. metal pipe; painted square 830.4
- 3.9 UE 48 C, 6 ft S., 21 ft E., 1.5 ft lower than center of rd. at drain, on top 16 in. metal tube; painted square 785.8
- 4.4 Menominee, 4.0 mi S. and 1.0 mi E. of, 197 ft N. and 35 ft E. of T-rd. E., quarter cor. secs. 8 and 17, T. 28 N., R. 2 W., 3 ft W. of E. right-of-way fence, in concrete post; standard tablet stamped "TT 49 T 1953" 752.941
- 4.5 Reference mark, 180 ft S., top of concrete right-of-way post, 1 ft S. of fence cor. 744.90
- 5.2 UE 49 A, 7 ft NW. and 2.1 ft above center of gravel rd. at drain crossing, top of headwall of concrete bridge; chiseled square 635.42
- 5.6 UE 49 B, 6 ft N., 6 ft E. and 1.2 ft higher than center of rd. at drain on top concrete headwall of bridge; chiseled square 611.98
- 5.8 Menominee, 5.0 mi S. and 0.5 mi E. of, in SW $\frac{1}{4}$ sec. 17, T. 28 N., R. 2 W., 37 ft N. of Chicago, Great Western RR. mains, 72 ft W. of center of N.-S. rd., in SE. cor. RR. section house yard, in 3.5 in. casing; standard USED bronze cap stamped "12 L 4 1942" under cast iron hinged cap (Description and Elevation by USGS) 610.416
- 6.1 Menominee Station, 0.2 mi SE. of, in SE $\frac{1}{4}$ sec. 18, T. 28 N., R. 1 W., on S. side of track, at S. end of E. abutment of C.B.&Q. RR. bridge 173-7-S, on top of parapet; chiseled square 608.19
- 6.3 Menominee Station, 0.2 mi W. of, near center sec. 18, T. 28 N., R. 1 W., 375 ft W. of milepost C-174-0-342, at W. abutment of C.B.&Q. RR. bridge 174-0-S over Little Menominee River, southernmost of two RR. bridges on top of S. end of bridge seat; standard tablet stamped "604" 603.977

LINE 6

SOUTHEAST PORTION OF QUADRANGLE WEST ALONG SOUTH BORDER GENERALLY NORTH THROUGH CENTER OF SOUTHEAST HALF OF QUADRANGLE (By J. H. Tyndale, 1961, Book CV-1332)

GALENA QUAD. 162 - 279

- 3.7 Reference mark, 356 ft ENE. of tablet, 24 ft N., 42 ft W. and 2.9 ft lower than rd. 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 rd. fork; at E. end of rd. rock out; 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. secs. 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

LINE 6 (Cont'd)

Feet
EAST DUBUQUE QUAD. 163 - 280

- 6.2 Reference mark, 90 ft NE. of tablet; 11 ft E. of NE. cor. abandoned school; 60 ft NW. (right angle) center of rd.; top of SE. cor. 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 LaMotte, 3.0 mi S. and 5.0 mi E. of; approx. 330 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. rd. at drive N. to school; 4 ft S. and 4 ft E. of SW. cor. schoolyard; in concrete post; standard tablet stamped "ET 3 GT 1960 957" 956.925
- 7.2 UE, 15 ft SE. of center 6 ft corrugated steel culvert, 0.4 ft lower; F.L. 6 ft lower; in $NE\frac{1}{4}$ sec. 19, T. 86 N., R. 4 E.; center concrete headwall; chiseled square 961.62
- 7.7 UE, 25 ft N., 8 ft E. and 3.5 ft lower than center of rd. at N.-S. fences; near center $W\frac{1}{2}$ sec. 19, T. 86 N., R. 4 E.; 1 ft corrugated steel culvert; punch hole 981.65
- 8.2 Reference mark, 18 ft S., 28 ft E. and 0.2 ft lower than crossdrives; 440 ft E. of T-rd. N.; 524 ft NW. of tablet; 3 ft corrugated steel culvert; punch hole 995.36
- 8.2 Bellevue, 1.0 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 $E\frac{1}{2}$ sec. 24; T. 86 N., R. 3 E.; 9 ft S. of N. side barn E. of rd.; 1 ft W. of W. right-of-way fence; in concrete post; standard tablet stamped "30 T 1961 990" 990.331
- 8.9 UE, 30 ft W. of center of 5 ft corrugated steel culvert; 7.8 ft lower; near center of distinct bend in rd.; in $NW\frac{1}{4}$ $NE\frac{1}{4}$ sec. 24, T. 86 N., R. 3 E.; crossmark 973.15
- 9.6 UE, 15 ft W. of center of 4 x 4 ft wood box culvert; 0.8 ft higher; F.L. 4 ft lower; in $SE\frac{1}{4}$ sec. 13, T. 86 N., R. 3 E.; center W. wood headwall; copper nail and washer 848.78
- 9.8 UE, 90 ft SE. along rd., 12 ft SW. (right angle to rd.) and 0.2 ft lower than T-rd. SE.; F.L. 7.6 ft lower; in $SE\frac{1}{4}$ sec. 13, T. 86 N., R. 3 E.; NW. abutment timber bridge over creek; top of 12 x 12 in. timber; copper nail and washer 802.74
- 10.4 UE, 8 ft NW. (right angle to rd.) of SW. end small wood deck bridge; F.L. 2.4 ft; in $NE\frac{1}{4}$ sec. 13, T. 86 N., R. 3 E.; top of W. plank abutment; copper nail and washer 752.14
- 10.9 UE, 14 ft W. of center of 4 ft corrugated steel culvert; and 1.1 ft lower; in $SE\frac{1}{4}$ sec. 12, T. 86 N., R. 3 E.; crossmark 713.82
- 11.6 Reference mark, 525 ft W. of tablet; 9 ft N. of W. end steel truss bridge over creek; 1.4 ft lower; top of 12 x 12 in. timber abutment; copper nail and washer 679.94
- 11.6 LaMotte, 1.5 mi S. and 3.75 mi E. of; in $SE\frac{1}{4}$ $NE\frac{1}{4}$ sec. 7, T. 86 N., R. 4 E., 454 ft E. of E. end steel truss bridge; 26 ft S., 130 ft W. and 13.2 ft lower than rd. fork; 7 ft S. of S. right-of-way fence; on line with fence NW.; in concrete post; standard tablet stamped "31 T 1961 679" 678.693
- 12.4 UE, 25 ft N., 66 ft E. and 1 ft higher than T-rd. N.; in $SE\frac{1}{4}$ $NW\frac{1}{4}$ sec. 8, T. 86 N., R. 4 E.; 10 ft N. of W. end wood deck bridge; top NW. 12 x 12 in. timber abutment; copper nail and washer 679.05
- 12.9 UE, 22 ft NW. (right angle) center of rd. at 4 ft corrugated steel culvert; and 4.7 ft lower; directly above NW. end pipe; top of plank retaining wall; near quarter cor. secs. 5 and 8, T. 86 N., R. 4 E.; copper nail and washer 781.64
- 13.6 UE, 23 ft E. of center of culvert and 5.4 ft lower; in $SW\frac{1}{4}$ $NE\frac{1}{4}$ sec. 5, T. 86 N., R. 4 E.; 2 ft corrugated steel culvert; punch hole 933.57

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EAST DUBUQUE QUADRANGLE
163 - Iowa, 280 - Illinois

LINE 6 (Cont'd)

EAST DUBUQUE QUAD. 163 - 280 Feet

- 13.9 Bellevue, 2.5 mi N. and 4.75 mi W. of; in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5, T. 86 N., R. 4 E., 147 ft S., 31 ft S. and 1.5 ft higher than T-rd. SW.; 1 ft W. of W. right-of-way fence; in concrete post; standard tablet stamped "32 T 1961 968" 968.186
- 13.9 Reference mark, 125 ft NNE. of tablet; 30 ft S., 18 ft E. and 1.5 ft lower than T-rd. S.; 2 ft corrugated steel culvert; punch hole 965.34
- 14.4 UE, 24 ft NNE. (right angle to center of rd.) of center 3 ft corrugated steel culvert; and 4.9 ft lower, near center N $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 5, T. 86 N., R. 4 E.; punch hole 1005.67
- 15.1 UE, 54 ft S., 8 ft E. and 0.8 ft higher than T-drive W. to house (drive SE. to house also) near quarter cor. secs. 31 and 32, T. 87 N., R. 4 E., N. side power pole at ground level; rail spike 1039.13
- 15.5 UE, T-rd. E. near N. sixteenth cor. secs. 31 and 32, T. 87 N., R. 4 E.; centerline 1005.2
- 16.1 UE, 32 ft NE. of center of 2 ft corrugated steel culvert, (right angle to rd.) and 8.4 ft lower; (concrete headwall SW.) near center E $\frac{1}{2}$ SE $\frac{1}{4}$ sec. 30, T. 87 N., R. 4 E.; punch hole 1010.39
- 16.9 UE, 380 ft SW. along rd., 26 ft SE. (right angle to rd.) and 1.6 ft lower than T-rd. SE.; F.L. 6.8 ft lower; near center N $\frac{1}{2}$ of N $\frac{1}{2}$ sec. 30, T. 87 N., R. 4 E., 5 ft corrugated steel culvert; top of center of plank retaining wall; copper nail and washer 1039.62
- 17.6 UE, 35 ft SE. of center of rd. (right angle) and 8.7 ft lower than center of 2 ft corrugated steel culvert; near N. sixteenth cor. secs. 25 and 30, T. 87 N., R. 3 and 4 E.; punch hole 1032.10
- 17.9 UE, 30 ft S., 10 ft W. and 1.5 ft higher than crossfield rds.; near center sec. 25, T. 87 N., R. 3 E.; E. side telephone pole; flush with ground; rail spike 1109.48
- 19.2 St. Donatus, 2.0 mi S. and 1.0 mi W. of; in E $\frac{1}{2}$ sec. 24, T. 87 N., R. 3 E.; 257 ft W. of center of rd. at crossing of steel electric transmission line; in center of tower at N. edge of small pond (dry, 1961) in concrete post; standard USC&GS and State Survey tablet stamped "105" (Description & Elev. by USGS 1953) 1014.455

LINE 7

SOUTHEAST PORTION OF QUADRANGLE WEST ALONG SOUTH BORDER, THENCE GENERALLY NORTH THRU CENTER OF QUAD. (By J. H. Tyndale, 1961, Book CV-1332)

EAST DUBUQUE QUAD. 163 - 280

- 0.0 "30 T 1961" (Described in Line 6) 990.331

MAQUOKETA QUAD. 138

- 0.6 UE, 233 ft W., 7.3 ft lower than rd. 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
- 1.2 UE, 30 ft S., 57 ft E. and 12.6 ft lower than T-rd. N., cor. secs. 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 T-fence N.; in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 23, T. 86 N., R. 3 E.; center of concrete headwall; ohiseled 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. secs. 22 and 27, T. 86 N., R. 3 E.; punch hole 972.64

LINE 7 (Cont'd)

MAQUOKETA QUAD. 138

Feet

- 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; rail spike 990.45
- 2.9 LaMotte, 4.0 mi S. and 0.75 mi E. of; at Cottonville, 47 ft S., 789 ft W. and 9.5 ft higher than crossroad (Co. "A" N.-S.) W. sixteenth cor. secs. 22 and 27, T. 86 N., R. 3 E.; 15 ft S. and 2 ft E. of NW. cor. cemetery; 20 ft SW. of 2 ft spruce; 85 ft W. of steel gate at T-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. secs. 21 and 28, T. 86 N., R. 3 E.; center S. headwall; chiseled square 888.06
- 4.3 UE, 9 ft N. and 1.4 ft lower than steel-arch 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. cor.; chiseled square 826.42
- 5.5 Zwingle, 4.0 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. cor. schoolyard; in concrete post; standard tablet stamped "ET 2 GT 1960 834" 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. secs. 19 and 20, T. 86 N., R. 3 E.; punch hole 851.79

EAST DUBUQUE QUAD. 163 - 280

- 6.9 UE, 15 ft S., 27 ft W. and 3.3 ft lower than T-drive W. to house; 600 ft S. of apex sharp hill; near N. sixteenth cor. secs. 17 and 18, T. 86 N., R. 3 E.; 2 ft corrugated steel culvert; punch hole 860.41
- 7.4 UE, 475 ft S. of T-rd. E., S. sixteenth cor. secs. 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 wing wall; 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. secs. 7 and 8, T. 86 N., R. 3 E.; top SW. concrete wing wall; chiseled square 872.62
- 8.4 Reference mark, 418 ft SSE. of tablet; 35 ft S., 21 ft E. and 2 ft higher than T-rd. W.; W. side power pole; flush with ground; rail spike 943.05
- 8.4 LaMotte, 1.0 mi S. and 1.5 mi W. of; 383 ft N., 39 ft W. and 2 ft higher than T-rd. W., cor. secs. 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
- 9.3 UE, T-rd. SSE., Co. Hwy. E.-W., + 1500 ft W. of cor. secs. 5, 6, 31 and 32; Tps. 86 and 87 N., R. 3 E.; centerline; copper nail and washer 982.56
- 9.9 UE, 37 ft S. of center of 8 x 10 ft concrete box culvert and 8.4 ft lower; F.L. 10.5 ft lower; + 1000 ft E. of W. sixteenth cor. secs. 5 and 32, Tps. 86 and 87 N., R. 3 E.; center S. headwall; chiseled square 919.63

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EAST DUBUQUE QUADRANGLE
163 - Iowa, 280 - Illinois

LINE 7 (Cont'd)

EAST DUBUQUE QUAD. 163 - 280 Feet

- 10.5 UE, 28 ft N. and 10.5 ft lower than center 3 x 3 ft concrete box culvert; near E. sixteenth cor. secs. 5 and 32; Tps. 86 and 87 N., R. 3 E.; center N. headwall, crossmark inside chiseled square 967.77
- 11.1 Reference mark, 90 ft NNW. of tablet; 4 x 14 ft concrete box culvert; 100 ft S. of S. entrance LaMotte Post Office; center headwall; chiseled square 918.97
- 11.1 LaMotte, at, near quarter cor. secs. 4 and 33, Tps. 86 and 87 N., R. 3 E.; 110 ft S., 70 ft E. and 4.5 ft lower than cross-streets, at NW. cor. town square; 190 ft S. of S. entrance post office; 22 ft NE. of NW. cor. and 25 ft NW. of NE. cor. bandstand; under center city fire siren tower; in concrete post set flush with ground; standard tablet stamped "35 T 1961 915" 915.086
- 11.9 UE, 10 ft SE. along rd., 28 ft NE. (right angle to rd.) and 2.6 ft lower than T-field rd. NE.; in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 32, T. 87 N., R. 3 E.; 1 ft corrugated steel drive culvert; punch hole 1025.49
- 12.4 UE, crossroad; near quarter cor. secs. 29 and 32, T. 87 N., R. 3 E.; County "A" NW.-SE.; centerline 1034.33
- 13.2 UE, rd. fork (Iowa #246 NW.-SE.) quarter cor. secs. 29 and 30, T. 87 N., R. 3 E., centerline 1084.9
- 13.8 Reference mark, 203 ft NW. of tablet; 27 ft SW. (right angle to rd.) and 7.3 ft lower than center 1.5 ft corrugated steel culvert; punch hole 1093.85
- 13.8 LaMotte, 1.75 mi N. and 1.75 mi W. of; 1900 ft SE. along Iowa Hwy. 246 from revolving radar scanner; 210 ft NW. along Co. "A", 40 ft NE. (right angles to "A") and 1.9 ft lower than T-rd. NE., in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 30, T. 87 N., R. 3 E.; 1 ft NE. of NE. right of way fence; in concrete post; standard tablet stamped "36 T 1961 1104" 1103.61
- 14.6 UE, on curve, 15 ft SW. (right angle to Iowa #246) and 1.7 ft lower; in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 87 N., R. 3 E.; 2 ft concrete tube culvert; chiseled square 1075.81
- 15.1 UE, 18 ft NE. (right angle to #246) center of 2 ft concrete tube culvert; and 2.6 ft lower; near center of W $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 19, T. 87 N., R. 3 E.; chiseled square 1088.37
- 15.6 UE, 88 ft NW. along Hwy. 246; 30 ft NE. (right angle to Hwy.) and 0.7 ft lower than crossroad; cor. secs. 18, 19, 13 and 24, T. 87 N., Rs. 2 and 3 E., Co. "A" NW.-SE.; 2 ft corrugated steel culvert; punch hole 1083.21
- 16.2 UE, 12 ft N., 20 ft W. and 1.2 ft lower than T-rd. W. to U.S. Dept. of Commerce, CAA, air navigation microwave tower; near center E $\frac{1}{2}$ sec. 13, T. 87 N., R. 2 E.; Hwy. 246 N.-S.; 1.5 ft corrugated steel drive culvert; punch hole 1128.79
- 16.7 UE, T-rd. W. (Hwy. 246 NE.-SW.) cor. secs. 7, 12, 13 and 18; T. 87 N., Rs. 2 and 3 E.; centerline 1066.9
- 17.2 UE, 19 ft E. and 2.4 ft lower than 2 ft corrugated steel culvert; in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T. 87 N., R. 3 E.; punch hole 1065.77
- 17.8 Reference mark, 170 ft S. of tablet; 30 ft N., 30 ft W. and 0.8 ft lower than crossroad; 1.5 ft corrugated steel culvert; punch hole 1090.21
- 17.8 LaMotte, 5.0 mi N. and 2.25 mi W. of; 200 ft N., 31 ft W. and 4 ft higher than crossroads; near quarter cor. secs. 6 and 7, T. 87 N., R. 3 E.; 1 ft W. of W. right-of-way fence; in concrete post; standard tablet stamped "37 T 1961 1098" 1097.917
- 18.5 UE, 27 ft S., 52 ft E. and 2.4 ft lower than T-drive E. to house; in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, T. 87 N., R. 3 E.; 3 ft corrugated steel drive culvert; punch hole 1054.63

LINE 7 (Cont'd)

Feet
EAST DUBUQUE QUAD. 163 - 280

- 18.9 UE, crossroad, near W. sixteenth cor. secs. 6 and 31, Tps. 87 and 88 N., R. 3 E.; centerline 1115.7
- 19.8 UE, 18 ft W. of center of 2 ft corrugated steel culvert and 2.3 ft lower; near center of NW $\frac{1}{4}$ sec. 31, T. 88 N., R. 3 E.; punch hole 1144.14
- 20.2 Dubuque, about 7.0 mi due S. of, on high ground known locally as Hanten Ridge; on land owned and occupied by Gregory Hanten; mark is 7.6 meters N. of center of township rd. running E.-W.; 195 meters E. of lane leading to farm, and is at fence line; in concrete post; standard USC&GS Triangulation tablet stamped HANTEN 1931. Elev. by USGS, 1953. 1176.635
- 21.0 UE, 18 ft S. of center of 4 x 4 ft concrete box culvert and 5.1 ft lower; F.L. 3.5 ft lower; near center NW $\frac{1}{4}$ sec. 36, T. 88 N., R. 2 E.; center of S. headwall; chiseled square 1093.79
- 21.4 UE, T-rd. SE. (U.S. 61 N.-S.) near center E $\frac{1}{2}$ NE $\frac{1}{4}$ sec. 35, T. 88 N., R. 2 E.; 23 ft S., 50 ft E. of U.S. Hwy. 61 and 0.3 ft lower than T-rd.; 1.2 ft corrugated steel drive culvert; punch hole 1111.05
- 22.2 UE, 110 ft W. along Airport Rd., 20 ft S. along U.S. Hwy. 61 and 2 ft higher than 2.2 ft concrete tube culvert; near center sec. 26, T. 88 N., R. 2 E.; center S. concrete headwall; chiseled square; 1046.04
- 22.8 Dubuque Municipal Airport, at SE. cor. of concrete lighting maintenance well; flush with surface of ground; it is 16.9 ft E. of S. cor. of field lighting vault building, 47.2 ft S. of SE. leg of airport beacon, 32.6 ft SW. of 64 ft antenna pole; in concrete post; standard USC&GS disk stamped "Y 163 1952" 1068.334

LINE 8

SOUTHWEST PORTION OF QUAD, WEST ALONG SOUTH BORDER, THENCE NORTH ALONG WEST BORDER (By J. H. Tyndale, 1961, Book CV-1332)

MAQUOKETA QUAD. 138

- 0.0 "2 GT 1960" (Described in Line 7) 833.894
- 0.7 UE, 22 ft N. of center of rd.; on curve, 3 ft W. of T-fence N., 6.6 ft lower than center of rd.; 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 T-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; a 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. cor. 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 T-rd. S.; 155 ft W. of tablet; 10 ft E. of center of T-drive N. to field; 1.5 ft corrugated steel culvert; punch hole 961.87
- 3.0 LaMotte, 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 T-rd. S., near S. sixteenth cor. secs. 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

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EAST DUBUQUE QUADRANGLE
163 - Iowa, 280 - Illinois

LINE 8 (Cont'd)

MAQUOKETA QUAD. 138

Feet

- 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 4.0 ft lower than T-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
- 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. secs. 21 and 22, T. 86 N., R. 2 E.; W. side electric pole; flush with ground, rail spike 878.50
- 4.8 UE, 10 ft S. of E. end of concrete deck bridge over creek and 0.6 ft higher; 200 ft W. of T-rd. N.; center $S\frac{1}{2}$ sec. 21, T. 86 N., R. 2 E.; 1 ft W. of E. abutment top 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 $SW\frac{1}{4}$ 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 T-drive S. to field; 292 ft SE. of rd. fork along rd., N. side of power pole, flush with ground; rail spike 929.08
- 5.9 Zwingle, 4.0 mi S. and 3.4 mi W. of; 0.25 mi N. of $S\frac{1}{4}$ cor. sec. 20, T. 86 N., R. 2 E., 188 ft S. and 275 ft E. of T-rd. S. (332 ft SE. along rd.; 30 ft SW. at right angle to rd.) 43 ft S. of rd.; 2 ft N. of S. right of way fence; in concrete post; standard tablet stamped "ET 1 GT 1960 928" 928.161

POESTA NO. 2 QUAD. 164

- 6.5 UE, 30 ft N., 56 ft W. and 0.3 ft lower than T-rd. N., 30 ft N. and 17 ft W. of drive N. to house; in $NW\frac{1}{4}$ $NW\frac{1}{4}$ sec. 20; T. 86 N., R. 2 E., 1.5 ft corrugated steel drive culvert; punch hole 874.47
- 6.9 UE, 10 ft E. of S. end steel truss (wood deck) bridge, over creek; in $SW\frac{1}{4}$ $SW\frac{1}{4}$ sec. 17, T. 86 N., R. 2 E.; end of SE. truss; NE. 1-in. rivet in anchor plate; crossmark 751.34
- 7.7 UE, top of steep hill, 88 ft NE. along rd. from T-fence SE. at corral SE. of rd., 20 ft SE. and 2.6 ft higher than center of rd. at fence SE.; near center of $NW\frac{1}{4}$ sec. 17, T. 86 N., R. 2 E.; 14 in. triple elm; NE. root; 0.2 ft above ground; copper nail and washer 958.05

EAST DUBUQUE QUAD. 163 - 280

- 8.2 Reference mark, 155 ft SSE. of tablet; 30 ft S., 15 ft E. and 3.8 ft lower than T-rd. E.; 2 ft corrugated steel culvert; punch hole 997.64
- 8.2 LaMotte, 2.0 mi S. and 6.75 mi W. of; 130 ft N., 32 ft W. and 1.1 ft lower than T-rd. E., near E. sixteenth cor. secs. 8 and 17, T. 86 N., R. 2 E.; 35 ft N. of dim T-field rd. W.; 1 ft W. of W. right-of-way fence; in concrete post extending 0.5 ft above ground; standard tablet stamped "39 T 1961 1000" 1000.298
- 8.8 UE, 20 ft N., 23 ft E. and 1.7 ft lower than T-drive E. to house and barns; in $NE\frac{1}{4}$ $SW\frac{1}{4}$ sec. 8, T. 86 N., R. 2 E.; 2 ft corrugated steel drive culvert; punch hole 1004.65
- 9.4 UE, 27 ft S., 80 ft E. and 4.8 ft lower than T-rd. S., (in sharp apex of fork) + 1000 ft E. of quarter cor. secs. 5 and 8, T. 86 N., R. 2 E.; 2 ft corrugated steel culvert; punch hole 968.66
- 9.9 UE, 19 ft S., 21 ft W. and 0.7 ft lower than T-rd. W., center of $S\frac{1}{2}$ sec. 5, T. 86 N., R. 2 E., 2 ft corrugated steel culvert; punch hole 995.31

LINE 8 (Cont'd)

EAST DUBUQUE QUAD. 163 - 280 Feet

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|------|--|----------|
| 10.7 | UE, 20 ft E. of center of, 1.5 ft corrugated steel culvert; and 1.2 ft lower; near E. sixteenth cor. secs. 5 and 32, Tps. 86 and 87 N., R. 2 E.; punch hole | 1039.32 |
| 11.1 | UE, T-rd. S., near center SE $\frac{1}{4}$ sec. 32, T. 87 N., R. 2 E.; centerline | 1063.7 |
| 11.4 | Reference mark, 220 ft W. of tablet; 50 ft N., 4 ft E. and 2.2 ft higher than center of rd. at concrete walk N. to church; SE. cor. first step; crossmark inside chiseled square | 1062.32 |
| 11.4 | LaMotte, 0.25 mi N. and 6.25 mi W. of; in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, T. 87 N., R. 2 E.; 208 ft E. of cor. stone at SE. cor. church; 30 ft S. of SE. cor. Cyclone fence at SE. cor. cemetery; 50 ft N. of center of rd. at fence N. and 2.2 ft lower; 1 ft E. of E. church boundary fence; in concrete post extending 0.8 ft above ground; standard tablet stamped "40 T 1961 1058" | 1057.470 |
| 11.9 | UE, 14 ft W. of center of rd. at W. headwall 4 x 6 ft concrete box culvert; NE. cor. sediment catch basin; center of W. retaining wall; F.L. 9.3 ft lower; near center S $\frac{1}{2}$ sec. 33, T. 87 N., R. 2 E.; chiseled square, 1 | 958.88 |
| 12.4 | UE, 16 ft E. of center of 3 ft corrugated steel culvert; and 1.2 ft lower, near center N $\frac{1}{2}$ sec. 33, T. 87 N., R. 2 E.; crossmark | 1020.04 |
| 12.9 | UE, 18 ft W. of center of 2 ft corrugated steel culvert and 2.1 ft lower; near center S $\frac{1}{2}$ sec. 28, T. 87 N., R. 2 E.; punch hole | 1061.74 |
| 13.5 | UE, 22 ft E. of center of 4 x 5 ft concrete box culvert; and 2.9 ft lower, F.L. 6.1 ft lower; near center N $\frac{1}{2}$ sec. 28, T. 87 N., R. 2 E.; chiseled square | 985.83 |
| 14.0 | UE, 14 ft W. of center of 6 x 9 ft concrete box culvert; and 1.2 ft lower, F.L. 7.5 ft lower, near center S $\frac{1}{2}$ sec. 21, T. 87 N., R. 2 E.; chiseled square | 940.11 |
| 14.5 | Reference mark, 240 ft S. of tablet; 22 ft N., 70 ft W. and 1.4 ft lower than crossroad; 6 x 8 ft concrete box culvert; F.L. 8.3 ft lower; center N. headwall; chiseled square | 894.16 |
| 14.5 | LaMotte, 2.75 mi N. and 6.25 mi W. of; 251 ft N., 30 ft W. and lower than crossroads, near center NW $\frac{1}{4}$ sec. 21, T. 87 N., R. 2 E.; 255 ft N. of center of 6 x 8 ft concrete box culvert; 225 ft S. of center of wood deck bridge; 1 ft W. of W. right of way fence; in concrete post; standard tablet stamped "41 T 1961 886" | 886.155 |
| 15.4 | UE, 97 ft N., 31 ft W. and 0.5 ft higher than T-rd. W., near quarter cor. secs. 16 and 17, T. 87 N., R. 2 E.; E. side telephone pole at ground level; rail spike | 1049.10 |
| 15.9 | UE, 48 ft SW. along rd., 29 ft NW. (right angle to rd.) and 1.7 ft lower than T-rd. E. (drive W.) near W. sixteenth cor. secs. 9 and 16, T. 87 N., R. 2 E.; SE. side telephone pole; at ground level, rail spike | 1056.31 |
| 16.7 | Reference mark, 327 ft SW. of tablet along rd.; 50 ft SW., 25 ft NW. (right angle to rd.) and 1.4 ft lower than rd. fork; 2 ft corrugated steel culvert; punch hole | 1059.93 |
| 16.7 | LaMotte, 4.5 mi N. and 6.0 mi W. of; 277 ft NE. along rd., 38 ft NW. (right angle to rd.) and 7.4 ft higher than rd. fork; near center sec. 9, T. 87 N., R. 2 E.; 84 ft SW. along rd., 38 ft NW. (right angle to rd.) and 1.5 ft higher than drive W. to house; 1 ft NW. of NW. right-of-way fence; in concrete post; standard tablet stamped "42 T 1961 1069" | 1068.572 |
| 17.3 | UE, 18 ft S. of center of 1.5 ft corrugated steel culvert and 1.5 ft lower; 54 ft E. of T-drive S. to barn and windmill, near N. sixteenth cor. secs. 9 and 10, T. 87 N., R. 2 E.; punch hole | 1054.73 |

16
EAST DUBUQUE QUADRANGLE
163 - Iowa, 280 - Illinois

LINE 8 (Cont'd)

	<u>EAST DUBUQUE QUAD. 163 - 280</u>	<u>Feet</u>
18.3	UE, 90 ft SW. along rd., 34 ft NW. (right angle to rd.) and 0.5 ft lower than dim T-field rd. SE. to field, near center of $E\frac{1}{2}$ sec. 3, T. 87 N., R. 2 E.; telephone pole; NW. side, flush with ground; rail spike	1113.68
19.1	UE, 82 ft NE. along U.S. Hwy. 61, 18 ft W. of center of Hwy. 61 and 1.3 ft higher than rd. fork (T-rd. W.) near center of $N\frac{1}{2}$ sec. 2, T. 87 N., R. 2 E.; 3 x 3 ft concrete box culvert; center W. headwall; chiseled square	1129.50
19.4	Reference mark, (loose), 350 ft W. and 60 ft N. of tablet; top of rail protruding about 6 in. above ground	1142.89
19.4	Dubuque, 8.0 mi S. and 1.5 mi W. of, 5.0 mi S. of Rockdale, in $NE\frac{1}{4}$ sec. 2, T. 87 N., R. 2 E.; 30 ft S. and 305 ft E. of crossroad (U.S. Hwy. 61 N.-S.) 3 ft N. of S. right-of-way fence; in concrete post; standard tablet stamped "TT 20 T 1953"	1127.920
20.0	UE, 27 ft N., 25 ft W. and 1.5 ft lower than T-rd. W. $\pm$ 1000 ft W. of quarter cor. of secs. 35 and 36, T. 88 N., R. 2 E.; 1.5 ft concrete tube culvert; chiseled square	1116.46
20.2	UE, culvert	1111.05