

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

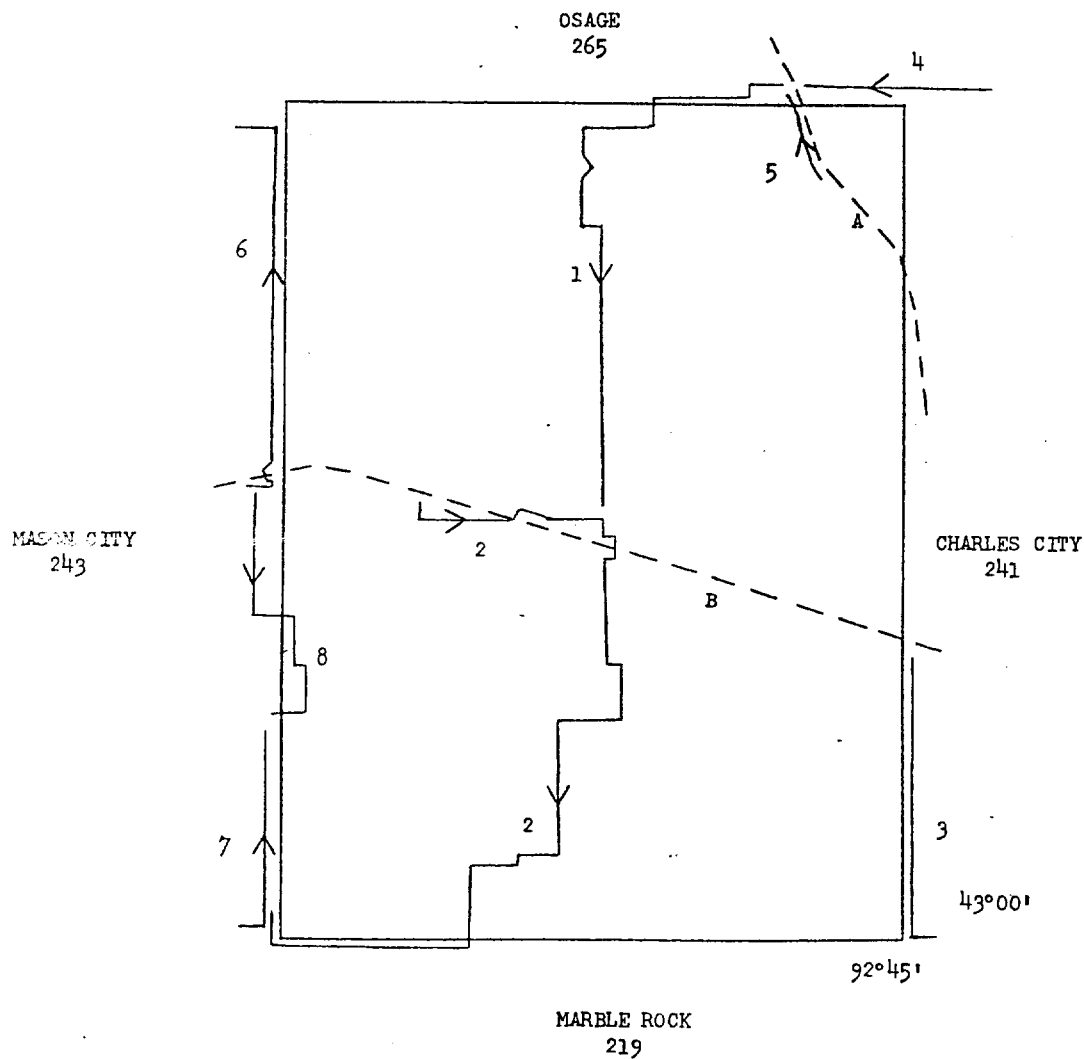
RUDD QUADRANGLE
242 - IOWA
N4300-W9245/15
DIAGRAM NK 15-2
MASON CITY

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

Final Adjustment of 1970

Floyd and Mitchell Counties

Edition of 4/23/70
PR: ADP/GH/ph



USC&GS VERTICAL CONTROL DATA

A. Line No. 89

B. Line No. 49

242-B

LINE 1

FEET

C. L. Crutchfield, 1969; Book CV-2434

OSAGE QUAD. - 265

- 1 4 0.0 About 2 mi NW. along the Illinois Central RR. from the station at Orchard, Mitchell County, about 40 yards E. of a sec. rd. crossing, 45 ft NE. of the NE. rail, and 2.1 ft SW. of the right-of-way fence; a standard disk stamped "F 40 1934" and set in the top of a concrete post projecting about 6 in. above ground 1149.948
 - 4 0.3 UE F A; center crossroads, rail spike 0.28 mi N. along a co. rd. from tablet, near the cor. of secs. 1, 6, 31 and 36, T. 97 and 98 N., R. 16 and 17 W., painted "UE Centerline" 1158.81
 - 6 1.5 Osage, 2.0 mi S. of; about 0.2 mi S. of the NE. cor. of sec. 2; T. 97 N., R. 17 W., 159 ft S. and 10 ft W. and 0.7 ft lower than center bridge over Cedar River, top of the SW. concrete bridge walkway, a standard tablet stamped "1 CLC 1969 1058" 1058.539
 - 7 1.5 Reference Mark, 6 ft S. and 6 ft W. of EM; USGS Water Resources Division TBM, chiseled square, 1.25 mi S. of SE. cor. of Osage on asphalt co. rd. bridge over Cedar River, chiseled square on SW. end of right upstream wingwall 1058.17
 - 8 1.8 UE 1 A; 0.3 mi S. along an asphalt co. rd. from tablet, a rail spike, center T-rd. W., painted "UE 1 A" 1080.10
 - 9 2.9 UE 1 B; 0.3 mi S. and 1.0 mi W. along a co. rd. from tablet; 40 ft N. and 258 ft W. and 0.9 ft lower than crossroads, in the SE. cor. of a cemetery; in the SW. side of a lone tree, a rail spike, painted "UE 1 B" 1141.24
 - 10 3.8 UE 1 C; 0.3 mi S. and 2.0 mi W. along a co. rd. from tablet; 13 ft N. and 27 ft E. and 2.2 ft lower than T-rd. E., top of the N. end of a metal corrugated culvert, a punched hole, painted "UE 1 C" 1110.86
 - 11 4.1 Osage, 2.4 mi S. and 2.0 mi W. of; 0.24 mi N. of the center of secs. 3 and 4, T. 97 N., R. 17 W., 1230 ft N. and 12 ft E. of T-rd. E., 0.1 ft higher than center rd. at a small drain crossing, in the center of the E. headwall of a concrete culvert, a standard tablet stamped "2 CLC 1969 1112" 1112.172
 - 12 4.1 Reference Mark, 22 ft W. and 0.3 ft lower than tablet, in the center of the W. headwall of a concrete culvert, a chiseled square, painted "RM" 1111.89
- RUDD QUAD. - 242
- 14 4.8 UE 2 A; 0.7 mi S. along a co. rd. from tablet; 31 ft N. and 14 ft W. and 2.8 ft lower than crossroads, top of the W. end of a metal corrugated culvert, a punched hole, painted "UE 2 A" 1112.47
 - 15 5.8 UE 2 B; 0.7 mi S. and 1.0 mi W. along a co. rd. from tablet; 10 ft S. and 9 ft W. and 0.1 ft higher than center bridge over a small drain, top of the SW. concrete wingwall, a chiseled square, painted "UE 2 B" 1102.21
 - 16 6.8 UE 2 C; near the center of sec. 8, T. 97 N., R. 17 W., 29 ft S. and 37 ft W. and 1.0 ft lower than T-rd. W., on the NE. side of a power pole, a rail spike, painted "UE 2 C" 1127.69
 - 17 7.7 Osage, 4.2 mi S. and 3.3 mi W. of; about 0.2 mi S. and 0.3 mi W. of the cor. of secs. 8, 9, 16 and 17; T. 97 N., R. 17 W., 15 ft S. and 40 ft W. and 1.5 ft lower than center bridge over Rock Creek; top of the SW. rock wingwall, a standard tablet stamped "3 CLC 1969 1093" 1092.897
 - 18 7.7 Reference Mark, 29 ft N. and normal to tablet, top of the NW. rock wingwall a chiseled square, painted "RM" 1092.90

3
RUDD QUADRANGLE
242 - IOWA

LINE 1 (Cont'd)

FEET

RUDD QUAD. - 242

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|----|------|-----|---|----------|
| 1 | 19 | 8.7 | UE 3 A; near the center of sec. 17 and 20, T. 97 N., R. 17 W., 32 ft S. and 65 ft W. and 1.0 ft lower than T-rd. N. on the NE. side of a telephone pole, a rail spike, painted "UE 3 A" | 1127.78 |
| 20 | 9.2 | | UE 3 B; near the cor. of secs. 16, 17, 20 and 21; T. 97 N., R. 17 W., 35 ft S. and 32 ft W. and 2.3 ft lower than T-rd. S., on the E. side of a power pole, a rail spike, painted "UE 3 B" | 1095.78 |
| 21 | 10.2 | | UE 3 C; near the cor. of secs. 20, 21, 28 and 29; T. 97 N., R. 17 W., 29 ft S. and 27 ft W. and 3.7 ft lower than crossroads, top of the N. end of a metal corrugated culvert, a punched hole, painted "UE 3 C" | 1137.04 |
| 22 | 11.0 | | Orchard, 2.8 mi S. and 5.0 mi W. of; 0.8 mi S. of the cor. of secs. 20, 21, 28 and 29; T. 97 N., R. 17 W., 10 ft W. and 3.7 ft higher than center N.-S. rd. at a small drain crossing, in the center of the W. headwall of a concrete bridge, a standard tablet stamped "4 CLC 1969 1142" | 1142.488 |
| 23 | 11.0 | | Reference Mark, 21 ft E. and 0.3 ft lower than tablet, top of the E. headwall of a concrete bridge, a chiseled square, painted "RM" | 1142.15 |
| 24 | 12.2 | | UE 4 A; 1.2 mi S. along a co. rd. from tablet; 32 ft S. and 34 ft W. and 2.9 ft lower than crossroads, on the NW. side of a power pole, a rail spike, painted "UE 4 A" | 1157.40 |
| 25 | 13.1 | | UE 4 B; 2.1 mi S. along a co. rd. from tablet; 32 ft S. and 35 ft E. and 2.5 ft lower than crossroads, in the NW. cor. of a field, a cor. fence post with a concrete base, a chiseled square, painted "UE 4 B" | 1147.00 |
| 26 | 14.1 | | UE 4 C; 3.1 mi S. along a co. rd. from tablet; 18 ft S. and 26 ft E. and 3.9 ft lower than crossroads, top of the S. end of a concrete tile culvert, a chiseled square, painted "UE 4 C" | 1157.73 |
| 27 | 14.5 | | Rudd, 0.7 mi N. and 2.0 mi E. of; 1780 ft S. and 11 ft E. of the cor. of secs. 8, 9, 16 and 17; T. 96 N., R. 17 W., 0.16 mi N. of the center of secs. 16 and 17; T. 96 N., R. 17 W., 11 ft E. and 0.1 ft higher than center of a N.-S. rd. at a small drain crossing, top of the E. headwall of a concrete box culvert, a standard tablet stamped "5 CLC 1969 1146" | 1146.441 |
| 28 | 14.5 | | Reference Mark, 21 ft W. and .087 ft higher than tablet, top of the W. headwall of a concrete box culvert, a chiseled square, painted "RM" | 1146.53 |
| 29 | 15.1 | | UE 7 A; 0.2 mi E. along U. S. Hwy. 18 from tablet; 41 ft N. and 18 ft E. and 0.5 ft lower than crossroads, top of the E. end of a concrete tile culvert, a chiseled square, painted "UE 7 A" | 1136.36 |

LINE 2

C. L. Crutchfield, 1969; Book CV-2434

RUDD QUAD. - 242

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|----|-----|-----|--|----------|
| 1 | 32 | 0.0 | About 2.7 mi E. along the C. M. St. P. & P. RR. from the station at Nora Springs, Floyd County, about 2 mi W. of Rudd, about 70 yards W. of a hwy. crossing, 42.3 ft S. of the S. rail and 5 ft N. of the right-of-way fence, a standard USC&GS disk stamped "E 36 1934" and set in the top of a concrete post projecting about 2 in. above ground | 1115.201 |
| 32 | 0.7 | | UE E A; 0.6 mi S. along State Hwy. 147 from tablet; at the center of crossroads, a chiseled square, in the concrete hwy., painted "UE E A" | 1112.02 |

4
RUDD QUADRANGLE
242 - IOWA

LINE 2 (Cont'd)

FEET

RUDD QUAD. - 242

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|---|----|-----|--|----------|
| 1 | 33 | 1.7 | UE E B; 0.6 mi S. along State Hwy. 147, thence 1.0 mi E. along a co. rd. from tablet, 38 ft N. and 23 ft E. and 4.6 ft lower than crossroads, top of the E. end of a metal corrugated culvert, a punched hole, painted "UE E B" | 1123.44 |
| | 34 | 2.7 | UE E C; 0.6 mi S. along State Hwy. 147, thence 2.0 mi E. along a co. rd. from tablet; 28 ft S. and 33 ft W. and 0.9 ft lower than crossroads, a chiseled square, in the center of cross sidewalks, painted "UE E C" | 1109.72 |
| | 35 | 3.2 | Rudd, 0.6 mi N. of the NW. cor. of the yard of the school, 0.6 mi N. of the cor. of secs. 13, 18, 19 and 21; T. 96 N., R. 17 and 18 W., 26 ft E. and 1.5 ft lower than center of Co. Hwy. "S", in the center of the E. headwall of a concrete box culvert, a standard tablet stamped "6 CLC 1969 1112" | 1111.765 |
| | 36 | 3.2 | Reference Mark, 53 ft W. and 0.6 ft lower than tablet, in the center of the W. headwall of a concrete box culvert, a chiseled square, painted "RM" | 1111.18 |
| | 37 | 4.4 | UE 6 A; 1.1 mi SE. along U. S. Hwy. 18 from tablet; 115 ft S. and 32 ft E. and 2.4 ft lower than T-rd. S., on the NW. side of a cor. fence post, a rail spike, painted "UE 6 A" | 1130.88 |
| | 38 | 5.2 | Rudd, 1.8 mi E. of; 0.2 mi W. of the cor. of secs. 16, 17, 20 and 21; T. 96 N., R. 17 W., 23 ft N. and 137 ft E. and 0.9 ft lower than T-drive N., in the center of the N. headwall of a concrete box culvert, a standard tablet stamped "7 CLC 1969 1130" | 1130.441 |
| | 39 | 5.2 | Reference Mark, 46 ft W. and 0.1 ft lower than tablet, in the center of the S. headwall of a concrete box culvert, a chiseled square, painted "RM" | 1130.37 |
| | 40 | 5.4 | UE 7 A; 0.2 mi E. along U. S. Hwy. 18 from tablet; 41 ft N. and 18 ft E. and 0.5 ft lower than crossroads, top of the E. end of a concrete tile culvert, a chiseled square, painted "UE 7 A" | 1136.36 |
| | 41 | 6.4 | UE 7 B; 0.2 mi E. along U. S. Hwy. 18, thence 1.0 mi S. along a co. rd. from tablet; 32 ft S. and 31 ft E. and 3.4 ft lower than crossroads, on the NW. side of a power pole, a rail spike, painted "UE 7 B" | 1120.18 |
| | 42 | 7.4 | UE 7 C; 0.2 mi E. along U. S. Hwy. 18, thence 2.0 mi S. along a co. rd. from tablet; 39 ft S. and 29 ft E. and 3.8 ft lower than crossroads, top of the N. end of a metal corrugated culvert, a punched hole, painted "UE 7 C" | 1091.69 |
| | 43 | 7.6 | Rudd, 2.0 mi S. and 1.8 mi E. of; 0.2 mi W. of the cor. of secs. 28, 29, 32 and 33; T. 96 N., R. 17 W., 12 ft S. and 15 ft E. and 0.2 ft lower than center bridge over a small drain, top of the SE. concrete bridge abutment, a standard tablet stamped "8 CLC 1969 1082" | 1081.536 |
| | 44 | 7.6 | Reference Mark, 29 ft W. and 0.1 ft higher than tablet, top of the SW. concrete bridge abutment, a chiseled square, painted "RM" | 1081.54 |
| | 46 | 8.8 | UE 8 A; 0.2 mi E. and 1.0 mi S. along a co. rd. from tablet; 14 ft S. and 1.8 ft lower than T-rd. N., on the SE. end of a metal corrugated culvert, a punched hole, painted "UE 8 A" | 1070.08 |
| | 47 | 9.5 | UE 8 B; about 0.2 mi N. and 0.3 mi W. of the center of sec. 4, T. 95 N., R. 17 W., 27 ft S. and 11 ft W. and 1.9 ft lower than center bridge over Flood Creek, top of the SW. cor. of a wooden bridge, on the side of an 8 x 8 bridge support, a rail spike, painted "UE 8 B" | 1053.81 |

LINE 2 (Cont'd)

FEET

RUDD QUAD. - 242

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|---|----|------|---|----------|
| 1 | 48 | 10.4 | Rudd, 4.0 mi S. and 2.0 mi E. of; near the cor. of secs. 4, 5, 8 and 9; T. 95 N., R. 17 W., 84 ft S. and 6 ft W. and 2.1 ft lower than T-drive N. leading into the residence of Mr. Tom Vala, near the NW. cor. of a large corn bend, a standard tablet set in a concrete slab, which is used for the corn shoot; stamped "9 CLC 1969 1101" | 1101.327 |
| | 49 | 10.4 | Reference Mark, 10 ft E. and 0.1 ft higher than tablet, near the NE. cor. of the grain bend, in the center of a concrete slab, a chiseled square, painted "RM" | 1101.39 |
| | 50 | 11.4 | UE 9 A; 1.0 mi W. along a co. rd. from tablet; 17 ft S. and 39 ft E. and 3.3 ft lower than crossroads, on the S. end of a metal corrugated culvert, a punched hole, painted "UE 9 A" | 1105.90 |
| | 51 | 12.4 | UE 9 B; 1.0 mi S. and 1.0 mi W. along a co. rd. from tablet; 67 ft N. and 33 ft E. and 1.3 ft lower than crossroads, on the SW. side of a telephone pole, a rail spike, painted "UE 9 B" | 1092.75 |
| | 52 | 12.4 | T. 95 N., R. 17 W., SW. cor. sec. 8, 2.5 mi E. on Hwy. 147 from Rockford, at co. rd. crossing, and a power line crossing, in S. side of guyed power pole, near SW. cor. of crossroads, pole spike and collar, 12 ft S. and 3 ft E. of UE 9 B (Mark probably established by USGS Water Resources) | 1093.771 |
| | 53 | 13.3 | UE 9 C; 1.9 mi S. and 1.0 mi W. along a co. rd. and hwy. from tablet; 14 ft W. and 0.7 ft lower than N.-S. co. hwy. at a small drain crossing; in the center of the W. headwall of a concrete box culvert, a chiseled square, painted "UE 9 C" | 1067.25 |
| | 54 | 13.7 | Rockford, 1.3 mi S. and 3.0 mi E. of; 0.3 mi S. of the cor. of secs. 17, 18, 19 and 20; T. 95 N., R. 17 W., 1584 ft S. and 14 ft W. of crossroads, 0.7 ft lower than N.-S. co. hwy. at a small drain crossing, in the center of the W. headwall of a concrete box culvert, a standard tablet stamped "10 CLC 1969 1065" | 1065.238 |
| | 55 | 13.7 | Reference Mark, 28 ft E. and 0.4 ft higher than tablet, in the center of the E. headwall of a concrete box culvert, a chiseled square, painted "RM" | 1065.59 |
| | 56 | 14.2 | UE 10 A; 0.48 mi S. along a co. hwy. from tablet; a rail spike, center T-rd. W., painted "UE 10 A" | 1052.61 |
| | 57 | 15.2 | UE 10 B; near the cor. of secs. 19, 24, 25 and 30; T. 95 N., R. 17 and 18 W., 42 ft N. and 36 ft W. and 2.8 ft lower than T-rd. W., 9 ft N. of a cor. fence post, a chiseled square, flush with the ground, in a concrete slab, painted "UE 10 B" | 1022.94 |
| | 58 | 16.2 | UE 10 C; near the cor. of secs. 23, 24, 25 and 26; T. 95 N., R. 18 W., 31 ft S. and 49 ft E. and 2.3 ft lower than crossroads, on the E. side of a power pole, a rail spike, painted "UE 10 C" | 1008.31 |
| | 59 | 16.7 | Rockford, 2.4 mi S. and 1.0 mi E. of; 0.45 mi S. of the cor. of secs. 23, 24, 25 and 26; T. 95 N., R. 18 W., 14 ft E. and 0.7 ft higher than center N.-S. gravel rd. at a large drain crossing, in the center of the E. headwall of a concrete box culvert, a standard tablet stamped "11 CLC 1969 984" | 983.966 |
| | 60 | 16.7 | Reference Mark, 28 ft W. and 0.2 ft higher than tablet, in the center of the W. headwall of a concrete box culvert, a chiseled square, painted "RM" | 984.13 |
| | 61 | 17.5 | UE 11 A; 0.8 mi S. along a co. rd. from tablet; 164 ft N. of the S. end of the concrete bridge over Shell Rock River, in the center of the bridge over the main body of water, a large chiseled square, painted "UE 11 A" | 992.85 |

LINE 2 (Cont'd)

FEET

MARBLE ROCK QUAD. - 219

- 1 62 18.3 T. 94 N., R. 18 W., NE. cor. sec. 2; 3 mi W. and 2 mi N. of Marble Rock, on Co. Rd. "M", at T-rd. W., in transformer pole, SW. cor. of intersection, pole spike and collar, 35 ft S. and 73 ft W. and 0.7 ft higher than T-rd. W. 1002.107
- 63 19.2 Rockford, 4.0 mi S. of; near the cor. of secs. 2, 3, 34 and 35; T. 94 and 95 N., R. 18 W., 10 ft S. and 33 ft E. and 1.3 ft lower than crossroads, in the center of the S. headwall of a concrete box culvert; a standard tablet stamped "12 CLC 1969 1026" 1026.506
- 64 19.2 Reference Mark, 21 ft N. and .036 ft lower than tablet; in the center of the N. headwall of a concrete box culvert, a chiseled square, painted "RM" 1026.47
- 65 20.3 UE 12 A; 1.0 mi W. along a co. rd. from tablet; 22 ft S. and 78 ft W. and 0.9 ft lower than crossroads, top of the W. end of a metal corrugated culvert, a punched hole, painted "UE 12 A" 1065.05
- 66 21.3 UE 12 B; 2.0 mi W. along a co. rd. from tablet; 20 ft N. and 29 ft W. and 3.2 ft lower than crossroads, top of the N. end of a metal corrugated culvert, a punched hole, painted "UE 12 B" 1057.84

ROCKWELL QUAD - 220

- 67 22.3 Rockford, 4.0 mi S. and 3.0 mi W. from; 4.0 mi E. from Cartersville; Tps. 94 and 95 N., R. 18 W., 184 ft N., 32 ft E., and 0.2 ft higher than center of crossroads, at approx. cor. of secs. 5, 6, 31 and 32; 76 ft N. and 52 ft W. of NW. cor. of abandoned schoolhouse; 105 ft N. and 12 ft W. of center of 30 in. elm tree; 14 ft N. of cor. fence post, at NW. cor. of schoolyard; 2 ft N. and 1 ft E. of telephone pole and 1 ft W. of fence line; in concrete post; standard tablet stamped "TT 27 EV 1957" "1969 ELEV." 1119.137
- 69 23.3 UE, 27 B; 1.0 mi N. of TT 27 EV 1957, along gravel rd., T. 95 N., R. 18 W., at cor. secs. 29, 30, 31 and 32, 12 ft S., 34 ft W., and 0.4 ft lower than center of crossroads, on the E. end of S. headwall of concrete box culvert, a chiseled square 1091.68

LINE 3

C. L. Crutchfield, 1969; Book CV-2434

CHARLES CITY QUAD. - 241

- 2 1 0.0 About 8.1 mi E. along the Chicago, Milwaukee, St. Paul & Pacific RR. from the station at Rudd, Floyd County, about 0.5 mi W. of the station at Floyd Crossing, about 48 yards W. of a switch located on the W. end of a sidetrack, 17.4 ft S. of the S. rail, and 1.8 ft N. of the right-of-way fence, a standard USCGS disk stamped "K 36 1934" and set in the top of a concrete post projecting about 7 in. above ground 1066.212
- 4 0.2 UE K A; 0.2 mi S. along a fence line from tablet; near the center of secs. 32 and 33; T. 96 N., R. 16 W., 44 ft S. and 34 ft E. and 2.6 ft lower than T-rd. S., on the N. side of a power pole, a rail spike, painted "UE K A" 1062.98
- 5 1.3 UE K B; 1.3 mi S. along a co. rd. from tablet; 112 ft S. and 26 ft E. and 5.6 ft lower than T-rd. E., on the W. side of a power pole, a rail spike, painted "UE K B" 1062.53
- 6 2.3 UE K C; 2.3 mi S. along a co. rd. from tablet; a large chiseled "X" in center St. Hwy. 14, in the center of secs. 8 and 9; T. 95 N., R. 16 W. 1098.30

LINE 3 (Cont'd)

FEET

CHARLES CITY QUAD. - 241

- 2 7 2.4 Charles City, 1.0 mi S. and 4.0 mi W. of; from center of town, near the center of secs. 8 and 9, T. 95 N., R. 16 W., 740 ft E. and 23 ft N. and 5.9 ft lower than crossroads, top of the N. end of a concrete tile culvert, a standard tablet stamped "13 CLC 1969 1092" 1092.356
- 9 3.6 UE 13 A; 1.0 mi S. along a co. rd. from tablet; 34 ft N. and 17 ft W. and 3.2 ft lower than crossroads, top of the W. end of a metal corrugated culvert, a punched hole, painted "UE 13 A" 1080.49
- 10 4.6 UE 13 B; 2.0 mi S. along a co. rd. from tablet; 12 ft S. and 30 ft W. and 3.4 ft lower than T-drive E., on the E. side of a power pole, a rail spike, painted "UE 13 B" 1104.51
- 11 5.2 Oakwood, 1.0 mi N. and 1.0 mi E. of; near the cor. of secs. 20, 21, 28 and 29; T. 95 N., R. 16 W., 189 ft S. and 10 ft W. and 0.9 ft lower than the center of the S. rail of the Charles City Western RR. in the center of the W. headwall of a concrete box culvert, a standard tablet stamped "14 CLC 1969 1107" 1106.852
- 12 5.2 Reference Mark, 21 ft E. and .054 ft higher than tablet, in the center of the E. headwall of a concrete box culvert, a chiseled square, painted "RM" 1106.91
- 13 6.1 UE 14 A; 0.9 mi S. along a co. rd. from tablet; 42 ft N. and 22 ft E. and 3.4 ft lower than crossroads, top of the E. end of a metal corrugated culvert, a punched hole, painted "UE 14 A" 1091.54
- 14 7.1 UE 14 B; 1.9 mi S. along a co. rd. from tablet; 12 ft N. and 51 ft E. and 0.5 ft lower than T-rd. N., top of the NW. concrete bridge abutment, a chiseled square, painted "UE 14 B" 1048.41
- 15 8.1 UE 14 C; 1.9 mi S. and 1.0 mi E. along a co. rd. from tablet; a rail spike in center of Co. Hwy. T-47 and an E.-W. gravel rd., painted "UE 14 C" 1098.95
- 16 8.4 Oakwood, 1.0 mi S. and 2.3 mi E. of; 0.3 mi E. of cor. of secs. 3, 4, 33 and 34, Ts. 94 and 95 N., R. 16 W., 1450 ft E. and 14 ft S. of crossroads, 0.1 ft higher than center E.-W. rd. at a drain crossing; in the center of the S. headwall of a concrete box culvert, a standard tablet stamped "15 CLC 1969 1077" 1077.423

LINE 4

C. L. Crutchfield, 1969; Book CV-2434

MC INTIRE QUAD. - 264

- 3 40 24.9 UE 27 C; 2.2 mi W. along a co. rd. from tablet; 33 ft S. and 14 ft W. and 0.8 ft lower than T-rd. S., top of the W. end of a metal corrugated culvert, a punched hole, painted "UE 27 C" 1174.58
- 41 26.1 New Haven, 2.0 mi S. and 4.2 mi W. of; 0.2 mi W. of the cor. of secs. 3, 4, 33 and 34, T. 97 and 98 N., R. 16 W., 10.5 ft N. and 0.6 ft higher than center E.-W. gravel rd. at a small drain crossing; in the center of the N. headwall of a concrete box culvert, a standard tablet stamped "28 CLC 1969 1144" 1143.606
- 42 26.1 Reference Mark, 21 ft S. and 0.9 ft lower than tablet; in the center of the S. headwall of a concrete box culvert, a chiseled square, painted "RM" 1142.71

OSAGE QUAD - 265

- 43 26.8 UE 28 A; 0.7 mi W. along a co. rd. from tablet; 33 ft N. and 129 ft E. and 0.8 ft lower than T-field entrance S. leading into a field, on the S. side of a power pole, a rail spike, painted "UE 28 A" 1130.97

LINE 4 (Cont'd)

FEET

OSAGE QUAD. - 265

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|-----------|--|----------|
| 3 44 27.5 | UE 28 B; 1.3 mi W. along a co. rd. from tablet; 13 ft S. and 3.1 ft higher than center bridge over a large drain, in the center of the S. headwall of a concrete bridge, a chiseled square, painted "UE 28 B" | 1113.96 |
| 45 28.1 | UE 28 C; 2.0 mi W. along a co. rd. from tablet; rail spike, center T-rd. S., painted "UE 28 C" | 1147.02 |
| 47 29.1 | 2 mi NW. along the I.C. RR. from the station at Orchard, Mitchell County, 40 yards E. of a sec. rd. crossing; 45 ft NE. of the NE. rail and 2.1 ft SW. of a right-of-way fence, a standard USC&GS disk stamped "F 40 1934" and set in the top of a concrete post projecting 6 in. above ground | 1149.948 |

LINE 5

C. L. Crutchfield, 1969; Book CV-2434

RUDD QUAD. - 242

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|----------|---|----------|
| 3 48 0.0 | At Orchard, Mitchell County, about 250 yards SE. of the I.C. RR. Station, 46.3 ft SW. of the SW. rail of the main track, 30.2 ft SW. of the SW. rail of the SW. sidetrack, and 2 ft NE. of the right-of-way fence; a standard USC&GS disk stamped "E 40 1934" and set in the top of a concrete post projecting about 8 in. above ground | 1091.290 |
| 48 0.9 | UE E A; 0.9 mi NW. along the RR. from tablet; center E.-W. gravel rd. at the top of the W. rail, painted "UE E A" | 1098.1 |

OSAGE QUAD. - 265

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|--------|--|----------|
| 49 2.2 | USC&GS "F 40 1934" (Described in Line 1) | 1149.948 |
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LINE 6

W. H. Veatch, 1957; Book CV-842

MASON CITY QUAD. - 243

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|-----|---|----------|
| 0.0 | About 8.1 mi E. along the C.M. St. P. & P. RR. from the station at Mason City, Cerro Gordo County, 67 ft SE. of the crossing of a sec. rd., 47 ft S. of the S. rail, and 1 ft N. of the right-of-way fence, a standard disk stamped "B 36 1934" and set in the top of a concrete post projecting about 4 in. above ground (Recovered in good condition as described; 48 ft S., 50 ft E., and 1.4 ft lower than center of N.-S. rd. crossing tracks) | 1118.646 |
| 1.4 | UE, about 0.6 mi W. of Nora Springs, at the crossing of the C.M. St. P. & P. RR. and the C.R.I. & P. RR., top of S. rail | 1067.6 |
| 2.0 | UE 36 A; 2.0 mi E. along RR. from tablet; 51 ft S., 34 ft W., and 2.1 ft lower than center of main st. crossing tracks, on the S. end of an 18 in. tile culvert, a painted square | 1056.50 |
| 2.2 | UE 36 B; 2.0 mi E. along RR., thence 0.2 mi N. along rd. from tablet; center of Hwy. 18 at cross streets, a copper nail and washer | 1085.2 |
| 2.8 | UE 36 C; 2.0 mi E. along RR., thence 0.8 mi N. along Co. Rd. "M" from tablet; 56 ft E. and 1.2 ft higher than center of gravel rd. at intersection of rd. NE., a rail spike in N. side of power pole projecting 4 in. above ground | 1081.00 |
| 3.6 | Reference Mark, 164 ft E. of tablet; 14 ft S. and 28 ft W., center of hwy. at T-rd. S., on the E. end of the S. headwall of concrete culvert, a chiseled square | 1126.74 |
| 3.6 | Nora Springs, 1.3 mi N. from along Co. Hwy. "M" from intersection with U. S. Hwy. 18, about 1.0 mi E. of Cerro Gordo-Floyd Co. line, T. 96 N., R. 18 W., 32 ft S., 195 ft W. and 0.3 ft lower than center of Co. Hwy. "M" at T-rd. W. and fence line E., at approx. quarter cor. between secs. 5 and 6, 160 ft W. of fences S. and W., 5 ft E. of power pole and 1 ft N. of fence line, in a concrete post, a standard tablet stamped "TT 18 EV 1957 1127 FT" | 1126.656 |

LINE 6 (Cont'd)

FEET

MASON CITY QUAD. - 243

- 4.1 UE 18 A; 0.5 mi N. of tablet; along gravel rd., Ts. 96 and 97 N., R. 18 W., at approx. cor. of secs. 5, 6, 31 and 32, 82 ft S., 62 ft W., and 1.4 ft higher than center of crossroads, in center of the bottom concrete step at schoolhouse, a chiseled square 1142.85
- 5.2 Reference Mark, 224 ft W. of tablet; 16 ft N. and 27 ft E., center of rd. at T-rd. E., on the N. end of a 24 in. concrete pipe culvert, a chiseled square 1157.94
- 5.2 Nora Springs, 2.8 mi N. from along Co. Hwy. "M" from intersection with U. S. Hwy. 18; T. 97 N., R. 18 W., 31 ft S., 251 ft E., and 3.8 ft lower than center of Co. Hwy. "M" at T-rd. E. and fence line W., at approx. cor. of secs. 29, 30, 31 and 32; 217 ft E. of cor. post of fences S. and E., 1 ft S. and 3 ft W. of telephone pole, and 1 ft N. of fence line, in a concrete post, a standard tablet stamped "TT 17 EV 1957 1158 FT" 1157.729
- 6.2 UE 17 B; 1.0 mi N. of tablet, along gravel rd., T. 97 N., R. 18 W., at approx. cor. of secs. 19, 20, 29 and 30; 20 ft N., 28 ft E., and 2.9 ft lower than center of rd. at T-rd. E., on the N. end of a 24 in. concrete pipe culvert, a chiseled square 1144.60
- 7.2 Reference Mark, 434 ft S. of tablet; 26 ft S. and 33 ft E., center of rd. at crossroads, on the S. end of a 24 in. steel pipe culvert, a chiseled square 1155.88
- 7.3 Nora Springs, 4.9 mi N. from; along County Hwy. "M" from intersection with U. S. Hwy. 18; 1.0 mi E. from cor. common to Cerro Gordo, Mitchell and Floyd Counties, T. 97 N., R. 18 W., 410 ft S., 50 ft E. and 2.0 ft higher than center of Co. Hwy. "M" at center of crossroads, on Floyd and Mitchell County line, at approx. cor. of secs. 17, 18, 19 and 20, 2 ft N. of telephone pole, in a concrete post, a standard tablet stamped "TT 16 EV 1957 1163 FT" 1163.318
- 8.2 UE 16 B; 0.9 mi N. of tablet; T. 97 N., R. 18 W., at approx. cor. of secs. 7, 8, 17 and 18; 23 ft S., 38 ft E., and 3.3 ft lower than center of rd. at crossroads, on the S. end of a 24 in. steel pipe culvert, a punched hole 1175.2
- 9.2 Plymouth, 0.25 mi S., thence 6.0 mi E. along Co. Hwy. "K", 6.8 mi N. along Co. Hwy. "M" from Nora Springs, 2.0 mi N. and 1.0 mi E. from cor. common to Mitchell-Cerro Gordo-Floyd Counties, T. 97 N., R. 18 W., 328 ft S., 51 ft E. and 1.7 ft higher than center of crossroads, and intersection of Co. Hwys. "K" and "M", at approx. cor. of sec. 5, 6, 7 and 8, 295 ft S. of cor. post of woven wire fences to S. and E., 4 ft N. of power line pole, and 1 ft W. of woven wire fence, in a concrete post, a standard tablet stamped "TT 15 EV 1957 1190 FT" 1189.649

LINE 7

W. H. Veatch, 1957; Book CV-842

ROCKWELL QUAD. - 220

- 6.1 Reference Mark, 124 ft SE. of tablet, 74 ft N., 92 ft E. of center of rd., at crossroads, on the SW. cor. of concrete floor, at entrance to schoolhouse, a chiseled square 1119.40
- 6.1 Rockford, 4.0 mi S. and 3.0 mi W. from; 4.0 mi E. from Cartersville, Ts. 94 and 95 N., R. 18 W., 184 ft N., 32 ft E., and 0.12 ft higher than center of crossroads, at approx. cor. of secs. 5, 6, 31 and 32, 76 ft N. and 52 ft W. of NW. cor. of abandoned schoolhouse, 106 ft N. and 12 ft W. of center of 30 in. elm tree, 14 ft N. of cor. post of NW. cor. of schoolyard, 2 ft N. and 1 ft E. of telephone pole, and 1 ft W. of fence line, in a concrete post, a standard tablet stamped "TT 27 EV 1957 1120 FT" Witness post 1 ft W. 1119.498

LINE 7 (Cont'd)

FEET

MASON CITY QUAD. - 243

- 7.1 UE 27 B; 1.0 mi N. of tablet along gravel rd., T. 95 N., R. 18 W., at cor. secs. 29, 30, 31 and 32, 12 ft S., 34 ft W., and 0.4 ft lower than center of cross-roads, on the E. end of S. headwall of concrete box culvert, a chiseled square 1091.68
- 8.1 UE 27 D; 2.0 mi N. of tablet along gravel rd., T. 95 N., R. 18 W., at cor. secs. 19, 20, 29 and 30; 32 ft S., 32 ft E., and 4.3 ft lower than center of rd. opposite cross fences, on the S. end of a 24 in. steel pipe culvert, a punched hole 1044.5
- 8.5 Reference Mark, 312 ft S. of tablet; 9 ft S., 34 ft W., center of rd. at trail rd. W., on the S. end of a 20 in. steel pipe culvert, a punched hole 1098.04
- 8.5 Rockford, 1.5 mi S. and 3.0 mi W. from; 1.0 mi E. of Floyd-Cerro Gordo County line, T. 95 N., R. 18 W., 114 ft S., 43 ft W., and 13.4 ft higher than center of rd. at fence line, at approx. quarter cor. between secs. 19 and 20, 704 ft N. and 43 ft W. of center of rd. at private driveway E. to H. R. Fullerton farmhouse, 384 ft N. of cor. post of T-fence W. at SE. cor. of L-shaped shelterbelt, 3 ft S. and 1 ft E. of power pole, 1 ft E. of fence line, on shelf of land on N. slope of hill and about 60 ft S. of steep break to creek, in a concrete post, a standard tablet stamped "TT 26 EV 1957 1084 FT" 1084.350
- 8.9 UE 26 A; 0.3 mi N. of tablet, along gravel rd., center of wooden bridge over creek, copper nail and washer (6.0 ft above water level) 1038.8
- 9.6 UE 26 B; 1.0 mi N. of tablet, along gravel rd., T. 95 N., R. 18 W., at quarter cor. between secs. 17 and 18, 51 ft S., 39 ft E., and 4.0 ft lower than center of rd. at T-rd. S., 11 ft S. and 1 ft W. of fence cor., top of a 2 in. iron pipe projecting 1 ft above ground 1062.58
- 10.1 UE 26 C; 1.5 mi N. of tablet, along gravel rd.; 24 ft S., 36 ft E., and 4.4 ft lower than center of rd. at T-rd. W., and fence line E.; on the S. end of a 24 in. steel pipe culvert, a punched hole 1088.3
- 11.1 Reference Mark, 188 ft W. of tablet, 31 ft S., 34 ft E. from center of rd. at T-rd. S., on the N. end of an 18 in. steel pipe culvert, a punched hole 1047.27
- 11.1 Rockford, 1.0 mi N. and 3.0 mi W. from; 1.0 mi E. of Floyd-Cerro Gordo Co. line, 0.4 mi S. of Winnebago River and 0.3 mi W. of steel truss bridge over Winnebago River, T. 95 N., R. 18 W., 33 ft S., 224 ft E., and 0.7 ft lower than center of rd. at T-rd. S., at approx. cor. of secs. 5, 6, 7 and 8, 2 ft S. and 4 ft E. of second power pole E. of T-rd. and 1 ft N. of fence line, in a concrete post, a standard tablet stamped "TT 25 EV 1957 1050 FT" 1050.164

LINE 8

J. A. Evans, 1957; Book CV-840

MASON CITY QUAD. - 243

- 0.0 UE 36 A; 2.0 mi E. along C.M. St. P. & P. RR. from B 36 1934, 51 ft S., 34 ft W., and 2.1 ft lower than center of main street crossing track in Nora Springs, on the S. end of an 18 in. tile culvert, a painted square 1056.48
- 0.1 UE 1045.8, Nora Springs, 0.4 mi S. of Co. Hwy. "M" from intersection with U. S. Hwy. 18, T. 96 N., R. 18 W., in NW¹/₄ of sec. 18, 63 ft N. along center of bridge, 10 ft E. and normal to bridge and 1.9 ft lower than center of bridge, in top of NE. column of bridge over Shell Rock River, a painted square (Water elev. of Shell Rock River measured down 10/16/56 1027.744) 1045.8
- 0.5 UE 1087.3, Nora Springs, 0.8 mi S. along Co. Hwy. "M" from intersection with U. S. Hwy. 18; 0.4 mi S. along Co. Hwy. "M" from steel truss bridge over Shell Rock River, T. 96 N., R. 18 W., 11 ft S., 47 ft W., and 0.5 ft higher than center of Co. Hwy. "M" at T-rd. W., about 600 ft N. of approx. E. center of sec. 18, in top of center of S. headwall of concrete bridge, a chiseled square 1087.3

LINE 8 (Cont'd)

FEET

MASON CITY QUAD. - 243

- 1.1 Nora Springs, 1.3 mi S. from along Co. Hwy. "M" from intersection with U. S. Hwy. 18; 6.0 mi E. of Portland, T. 96 N., R. 18 W., 204 ft N., 44 ft W., and 1.05 ft lower than center of Co. Hwy. "M" at T-rd. W., and fence line E. at approx. E. sixteenth cor. between secs. 18 and 19, 191 ft N. and 44 ft W. of center of Co. Hwy. "M" at private T-rd. E., 168 ft N. of cor. post of fences N. and W., 2.5 ft N. of telephone pole and 1 ft E. of fence line, in concrete post, a standard tablet stamped "TT 19 EV 1957 1085" 1085.444
- 1.1 Reference Mark, 183 ft SE. of tablet, 29 ft N. and 31 ft E. of center of Co. Hwy. "M" at T-rd. W., in top of N. end of corrugated steel pipe culvert, a painted square 1082.94
- 1.5 UE 1066.6, 0.4 mi S. along Co. Hwy. "M" from tablet, T. 96 N., R. 18 W., 536 ft N., 15 ft E., and 1.3 ft lower than center of Co. Hwy. "M" at T-rd. E. and fence line W. at approx. E. center of sec. 19, in top of SE. wingwall of concrete bridge over small creek, a chiseled square, painted "UE 1066.6 Water elev. under bridge (measured down) 1053.367" 1066.64
- 2.1 UE Centerline 1080.3; 1.05 mi S. along Co. Hwy. "M" from tablet; T. 96 N., R. 18 W., at approx. E. sixteenth cor. between secs. 19 and 30, center of Co. Hwy. "M" at fences E. and W. 1080.3
- 2.6 UE Centerline 1078.9, 1.55 mi S. along Co. Hwy. "M" from tablet, T. 96 N., R. 18 W., at approx. E. center of sec. 30, center of Co. Hwy. "M" at fence lines E.-W. 1078.9
- 3.1 Reference Mark, 239 ft W.-NW. of tablet, 55 ft N. and E. of center of rd. at T-rd. N. and point of intersection of County Hwy. "M" to N. and E., in top of N. end of E. headwall of concrete culvert, a chiseled square 1071.97
- 3.1 Nora Springs, 3.3 mi S. from along Co. Hwy. "M" from intersection with U. S. Hwy. 18; 6.0 mi NW. along Co. Hwy. "M" from intersection with State Hwy. 147 in Rockford, T. 96 N., R. 18 W., 55 ft S., 230 ft E. and 0.9 ft lower than center of rd. at T-rd. N. and point of intersection of curve in Co. Hwy. "M" to N. and E. at approx. sixteenth cor. between secs. 30 and 31; 229 ft NE. of NE. cor. of farmhouse of Lyle Robinson, 55 ft S. and 347 ft E. of center of rd. at T-rd. S., 3 ft S. and 101 ft W. of power pole, 25 ft E. of cor. post of T-fence E. and 1 ft S. of fence line, in a concrete post, a standard tablet stamped "TT 23 EV 1957 1071" 1070.566
- 3.9 UE 1052.2; 0.85 mi W. and S. along dirt rd. from tablet; T. 96 N., R. 18 W., at approx. S. center of sec. 31; 117 ft N., 10 ft E. and same elev. as center of rd. at Y-rd. fork N., in top of center of E. headwall of concrete culvert, a chiseled square, painted "UE 1052.2" 1052.20

RUDD QUAD. - 242

- 4.5 UE 1045.3; 0.85 mi W. and S. along dirt rd., thence 0.55 mi SE. along gravel rd. from tablet; Ts. 95 and 96 N., R. 18 W., 38 ft S., 23 ft E., and 0.4 ft lower than center of rd. at fence lines N. and S., at approx. cor. of secs. 5, 6, 31 and 32, in top of large boulder about 2 ft in diameter and 1 ft above ground elevation, a chiseled square 1045.93
- 5.0 Rockford, 4.2 mi NW. from along County Hwy. "M" from intersection with State Hwy. 147, Ts. 95 and 96 N., R. 18 W., about 375 ft E. of approx. quarter cor. between secs. 6 and 31; 45 ft S., 128 ft W., and 2.5 ft lower than the center of Co. Hwy. "M" at rd. fork W. and fence line E., 45 ft S. and 32 ft W. of center of rd. at crossing of Chicago, Rock Island, and Pacific RR. tracks, 6 ft S. and 4 ft E. of telephone pole, 10 ft SE. of fence cor. and 1 ft NE. of fence line, in a concrete post, a standard tablet stamped "TT 24 EV 1957 1031" 1031.005

LINE 8 (Cont'd)

FEET

RUDD QUAD. - 242

- 5.0 Reference Mark, 66 ft N. of tablet; 19 ft N. and 48 ft W. of center of E.-W. section line rd. at crossing of C.R.I. & P. RR. tracks, in top of N. end of concrete pipe culvert about 18 in. in diameter, a chiseled square 1031.09
- 5.4 UE Centerline 1033.4; 0.3 mi SE. along C.R.I. & P. RR. tracks from tablet; T. 95 N., R. 18 W., in NE $\frac{1}{4}$ of sec. 5 at center of C.R.I. & P. RR. tracks at N.-S. rd. crossing, in wooden platform, a copper nail and washer 1033.4
- 6.2 UE 1031.4; 0.3 mi SE. along C. R. I. & P. RR. tracks, thence 0.35 mi S. along N.-S. gravel rd. from tablet; T. 95 N., R. 18 W., at approx. E. sixteenth cor. between secs. 5 and 8; 36 ft N., 172 ft W. and 3.8 ft lower than center of rd. at rd. fork NE., in base of SW. side of a 30 in. oak tree, a rail spike 1031.41
- 6.6 UE 1021.6; 0.3 mi SE. along C.R.I. & P. RR. track, thence 0.85 mi S. and 0.4 mi W. along gravel rds. from tablet; T. 95 N., R. 18 W., at approx. W. sixteenth cor. between secs. 5 and 8; 20 ft S. and 62 ft E. from center of steel truss bridge over Winnebago River, in top of S. end of concrete abutment at E. end of bridge, a chiseled square Water elevation of Winnebago River (measured down) 10/17/57 1006.383 1021.60

MASON CITY QUAD. - 243

- 6.9 Rockford, 1.0 mi N. and 3.0 mi W. from; 1.0 mi E. of Floyd-Cerro Gordo Co. line, 0.4 mi S. of Winnebago River and 0.3 mi W. of steel truss bridge over Winnebago River, T. 95 N., R. 18 W., 33 ft S. and 224 ft E. and 0.7 ft lower than center of rd. at T-rd. S. of approx. cor. of secs. 5, 6, 7 and 8; 2 ft S. and 4 ft E. of second power pole E. of T-rd. and 1 ft N. of fence line, in concrete post, a standard tablet stamped "TT 25 EV 1957 1050" 1050.164