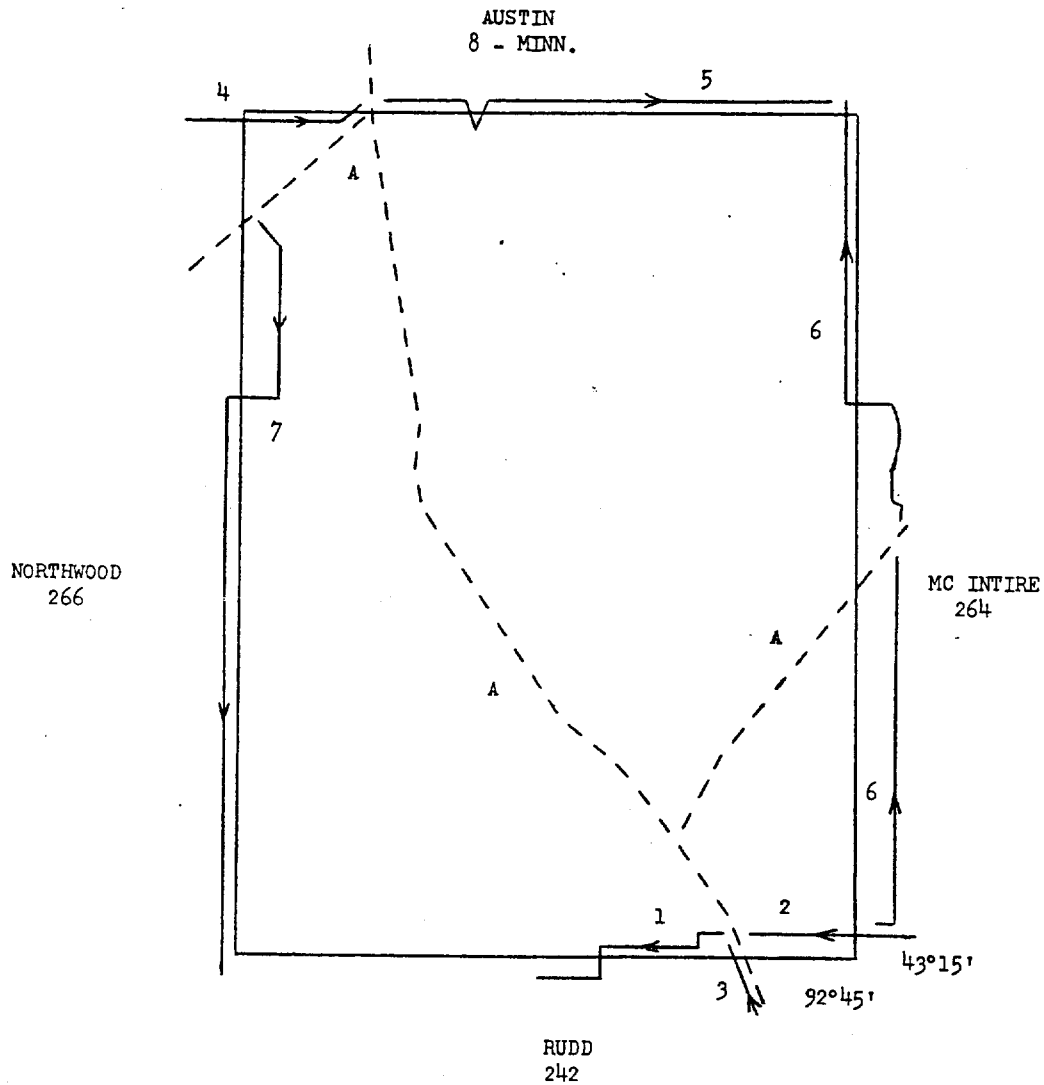


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929
Final Adjustment of 1972
Mitchell County

OSAGE QUADRANGLE
265 - IOWA
N4315-W9245/15
DIAGRAM NK 15-2
MASON CITY

Edition of 2/28/72
PR: AKH/CB/ph



NGS VERTICAL CONTROL DATA

A. Quadrangle No. 430923

265B

LINE 1

FEET

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

OSAGE QUAD. - 265

- 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 USC&GS disk stamped "F 40 1934" and set in the top of a concrete post projecting about 6 in. above ground 1149.948
- 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, Ts. 97 and 98 N., Rs. 16 and 17 W. 1158.81
- 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
- 1.5 Reference Mark, 6 ft S. and 6 ft W. of BM; 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
- 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
- 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
- 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
- 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
- 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

- 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 1112.47
- 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
- 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

LINE 2

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

MC INTIRE QUAD. - 264

- 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 1174.58
- 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
- 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 1142.71

LINE 2 (Cont'd)

FEET

OSAGE QUAD. - 265

- 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
- 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 1113.96
- 28.1 UE 28 C; 2.0 mi W. along a co. rd. from tablet; rail spike, center T-rd. S. 1147.02
- 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 3

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

RUDD QUAD. - 242

- 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
- 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 1098.1

OSAGE QUAD. - 265

- 2.2 USC&GS F 40 1934 (Described in Line 1) 1149.948

LINE 4

R. D. Searcy, 1953; Book CV-566

NORTHWOOD QUAD. - 266

- 4.3 Lyle, 0.3 mi S. and 5.1 mi W. from; near W. sixteenth cor. of S. edge sec. 31, T. 101 N., R. 18 W., on Minnesota-Iowa State line, 26 ft N. and 228 ft W. from T-rd. S., 1 ft N. and 11 ft W. from telephone pole, 1 ft S. of fence, in concrete post; standard tablet stamped "TT 60 WM 1952" 1189.503
- 4.2 Reference Mark, 500 ft W. of tablet; on top of an embedded boulder; chiseled square 1192.87

OSAGE QUAD. - 265

- 6.6 Lyle, 0.3 mi S. and 2.8 mi from; near S $\frac{1}{2}$ cor. sec. 33, T. 101 N., R. 18 W., 33 ft N. and 485 ft E. from E. end steel bridge over Woodbury Creek; 33 ft N. and 43 ft E. from rd. at field entrance, 2 ft N. and 8 ft W. from fence cor., 7 ft N. and 2 ft W. from telephone pole, in concrete post, standard tablet stamped "TT 59 WM 1952" 1152.427
- 6.5 Reference Mark, 470 ft W. of tablet; on the E. end of the NE. concrete bridge wingwall, 1.8 ft lower than center of bridge, and 19 ft higher than water level of Cedar River 5/8/53; chiseled square 1151.61

AUSTIN QUAD. - 8 MINN.

- 9.1 USC&GS "C 148 1934" At Lyle, Mower County; on the C. & G.W. RR., SW. of the station, 82 ft NE. of the center of a co. rd. crossing; 80 ft N. of the center of the co. rd. forming the Minnesota-Iowa State line, 44.2 ft NW. of the NW. side of a switch, and 34.4 ft NW. of the NW. rail of the main track; a standard USC&GS disk stamped "C 148 1934" and set in the top of a concrete post projecting about 4 in. above ground 1198.131

LINE 5

FEET

R. D. Searcy, 1952; Book CV-552

AUSTIN QUAD. - 8 MINN.

0.0 USC&GS "C 148 1934" (Described in Line 4) 1198.131

OSAGE QUAD. - 265

2.1 Lyle, 0.5 mi S. and 2.0 mi E. from; cor. of sec. 32, T. 101 N., R. 17 W., 32 ft N. and 267 ft W. from T-rd. S., 8 ft E. of pole, 2 ft S. of fence, in concrete post; standard tablet stamped "TT 49 WM 1952" (Destroyed 6-64 GJS) 1192.841

2.1 Reference Mark, 260 ft SE. of tablet; on top of the W. end of a hexagonal shaped wooden culvert, copper nail and washer 1191.69

LINE 6

C. D. Lien, 1971; Book CV-2748

MC ENTIRE QUAD. - 264

1 41 0.0 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

41 0.2 Reference Mark 1 for CARTHEL, 1969. To reach mark from the jct. of U.S. Hwy. 218 and St. Hwy. 9 in Osage, go E. on U.S. Hwy. for 4.0 mi to where U.S. Hwy. curves S., go S. on U.S. Hwy. for 2 mi, T. 97 and 98 N., R. 16 W., sec. cors. 3, 4, 33 and 34; 33 ft S., 77 ft W., and 2.3 ft lower than Y-rds., on top of a 1/2 in. copper coated rod in center of a 6 in. tile, a standard tablet stamped "CARTHEL RM 1 1969" 1164.283

42 0.2 Reference Mark No. 2 for CARTHEL, 1969; 31 ft N., 69.5 ft W. of center of crossroads, 64 ft N. of RM 1, 3.5 ft S. of a right-of-way fence cor. and 3 ft W. of a power line pole, set on top of 1/2 in. copper coated steel rod centered in a 6 in. tile, a standard tablet stamped "CARTHEL RM NO 2" (Note; Station mark not found) 1163.941

43 1.2 UE RM No. 2 A; 1 mi N. along Hwy. 218 from tablet; on top of a spike in center of crossroads, circled by a painted red triangle, painted "UE Centerline" 1148.8

44 2.3 UE RM No. 2 B; 2 mi N. along rd. from tablet; 49.4 ft N., 102 ft W. of and 2.4 ft lower than crossroads and 8 ft E. of a fence cor., on top of a hwy. marker (rail), painted orange and projecting 1 ft above ground, painted "UE Centerline" 1160.2

45 3.3 Osage, 1.0 mi N. and 4.0 mi E. of; jct. of U.S. Hwy. 218 and St. Hwy. 9; T. 98 N., R. 16 W., sec. cors. 15, 16, 21 and 22; 31 ft N., 51 ft W. of and 3.7 ft lower than crossroads, 1.4 ft NE. of a power pole and 1.6 ft SE. of a witness sign, set on top of a 1/2 in. copper coated steel rod in the center of a 6 in. tile set flush with ground, a standard tablet stamped "8 CDL 1969" 1168.609

46 3.3 Reference Mark, 32 ft N., 30 ft E. of tablet and 63 ft N., 21 ft W. of crossroads; a punched hole in a metal culvert 1169.01

47 4.1 UE 8 A; 0.8 mi N. along rd. from tablet; 21 ft S., 43 ft E. of and 4.1 ft lower than center rd. at field rd. E., a punched hole in a metal culvert, painted "UE" 1167.69

48 4.7 UE 8 B; 1.4 mi N. along rd. from tablet; 28 ft S., 12 ft W. of and 0.5 ft higher than center of bridge and 220 ft S. of a T-rd. W., a chiseled square on the SW. cor. of a concrete bridge over Burr Oak Creek, painted "UE" 1156.84

LINE 6 (Cont'd)

FEET

MC INTIRE QUAD. - 264

- 1 49 5.7 UE 8 C; 2.5 mi N. along rd. from tablet; a nail and washer in center of rd. at T-rd. NW., painted "UE Centerline" 1182.26
- 50 6.2 Reference Mark, 101 ft S., 19.5 ft W. of tablet and 13.1 ft N., 42 ft E. of center rd. at a private drive E., a punched hole on N. end of a metal culvert under private drive E. 1194.33
- 51 6.2 Osage, jct. of U.S. Hwy. 218 and St. Hwy. 9; 4 mi N., 4 mi E. of; T. 98 and 99 N., R. 16 W., sec. cors. 3, 4, 33 and 34; 47 ft S., 61 ft E. of and 4.0 ft lower than crossroads, 97 ft N., 61 ft E. of center rd. at a private drive E., and 2.4 ft W. of a witness post, set on top of a 1/2 in. copper coated steel rod in the center of a 6 in. tile set flush with ground, a standard tablet stamped "9 CDL 1969" 1197.679
- 52 7.2 UE 9 A; 1.0 mi N. along rd. from tablet; a nail and washer in center of crossroads, painted "UE Centerline" 1207.8
- 53 8.1 UE 9 B; 1.9 mi N. along rd. from tablet; 22 ft W. and 4.2 ft lower than center rd. over drain and 275 ft S., 22 ft W. of center rd. at a field entrance W. to a windmill, a chiseled "X" on a metal culvert, painted "UE" 1202.29
- 54 9.3 Reference Mark, 24 ft N., 5.5 ft W. of tablet; 12.5 ft N. and 27 ft E. of center rd. at a drive E. to a power sub-station, a punched hole in a metal culvert 1202.59
- 55 9.3 Osage, jct. of U.S. Hwy. ²¹⁸~~281~~ and St. Hwy. 9; 7 mi N., 4 mi E. of; Stacyville, 3.5 mi S., 2.5 mi E. of; T. 99 N., R. 16 W., near sec. cors. 15, 16, 21 and 22; 122.3 ft N., 33.4 ft E. of and 0.8 ft higher than center rd. at T-rd. N.; 21.5 ft S., 33.4 ft E. of center rd. at a drive E. to a power sub-station, 1.2 ft W. of a fence around sub-station and 1.7 ft N. of a witness post, set on top of a 1/2 in. copper coated steel rod in the center of a 6 in. tile set flush with ground, a standard tablet stamped "10 CDL 1971" 1204.021
- 56 10.3 UE 10 A; 0.95 mi N. along rd. from tablet; 30.5 ft N., 12 ft W. of and 0.5 ft lower than center of bridge over the Little Cedar River, on end of a bolt set horizontal in the NW. cor. of bridge, painted "UE" 1169.38
- 58 11.4 UE 10 B; 2 mi N., 0.11 mi W. along rd. from tablet; 12 ft N., 12 ft W. of, and 0.7 ft higher than center of bridge and 0.11 mi W. of center rd. at T-rd. S., a chiseled square on the NW. cor. of a concrete bridge, painted "UE" 1197.79

OSAGE QUAD. - 265

- 59 12.3 Stacyville, 1.5 mi S., 1.5 mi E. of; T. 99 N., R. 16 W., sec. cors. 4, 5, 8 and 9; 34 ft S., 38 ft E. of and 1.8 ft lower than center rd. at a T-rd. N., 34 ft S., 14 ft E. of center rd. at a field approach S., 3.9 ft SW. of a power pole and 1.6 ft NW. of a witness post, set on top of a 1/2 in. copper coated steel rod in the center of a 6 in. tile, set flush with ground, a standard tablet stamped "11 CDL 1971" 1212.026
- 60 12.3 Reference Mark, 27 ft S., 10 ft E. of center rd. at T-rd. N., and 8.7 ft N., 29.5 ft W. of tablet; a chiseled square on a rock 1210.20
- 61 13.4 UE 11 A; 1.1 mi N. along rd. from tablet; 14 ft E. of and 1.6 ft lower than center rd. over drain and 64 ft N., 14 ft E. of center rd. at a field approach E., a chiseled "X" on top of the most northern of two 48 in. metal culverts, painted "UE" 1204.30

LINE 6 (Cont'd)

FEET

OSAGE QUAD. - 265

- 1 62 13.8 UE 11 B; 1.5 mi N. along rd. from tablet; 53 ft S., 49 ft W. of and 2.5 ft lower than crossroads, a rail spike in E. side of a power pole, painted "UE" 1230.88
- 63 14.7 UE 11 C; 2.4 mi N. along rd. from tablet; 12.5 ft N., 43 ft W. of, and 2.7 ft lower than center rd. at field approach W., a chiseled "X" on a metal culvert, painted "UE" 1245.60
- 64 15.3 Stacyville, 1.5 mi N., 1.5 mi E. of; T. 100 N., R. 16 W., sec. cors. 20, 21, 28 and 29; 82.6 ft N., 33 ft E. of and 1.8 ft lower than crossroads, 1.8 ft S. of a power pole, and 1 ft W. of a fence and witness post, set on top of a 1/2 in. copper coated steel rod in the center of a 6 in. tile, set flush with ground, a standard tablet stamped "12 CDL 1971" 1248.462
- 65 15.3 Reference Mark, 15.6 ft S., 62 ft W. of tablet; 67 ft N., 29 ft W. of crossroads and 10 ft N. of center of a field approach, a punched hole in a metal culvert 1247.83
- 66 16.3 UE 12 A; 1 mi N. along rd. from tablet; 33.5 ft N., 34 ft E. of and 2.4 ft lower than center of crossroads, a rail spike in a power pole, painted "UE" 1248.80
- 67 17.0 UE 12 B; 1.6 mi N. along rd. from tablet; 53 ft N., 12.5 ft E. of and 1.5 ft lower than center of bridge on top of a rail spike driven vertically in the NE. cor. of bridge piling, painted "UE" 1217.36
- 68 17.6 UE 12 C; 2.2 mi N. along rd. from tablet; 13 ft S., 27.5 ft W. of and 1.4 ft lower than center rd. at E.-W. field approach, a punched hole in a metal culvert, painted "UE" 1246.18

AUSTIN QUAD. - 8 MINN.

- 69 18.3 Johnsburg, 0.3 mi S. and 0.8 mi E. from; 0.3 mi W. of SE. cor. of sec. 33, T. 101 N., R. 16 W., 37 ft N. and 321 ft W. from center of rd. at drive to G. Helmer farmhouse, 2 ft N. and 29 ft W. from SW. cor. yard fence, 37 ft N. of center of rd. on Minnesota-Iowa State line, in concrete post, standard tablet stamped "TT 45 WM 1952" 1251.212

LINE 7

G. D. Lien, 1971; Book CV-2748

OSAGE QUAD. - 265

- 2 2 0.0 In Mitchell County, about 2.8 mi SW. along the Chicago & Great Western RR., about 75 yards NE. of MP 32+15; about 2.8 mi SW. from the Minn. & Iowa State line; 49 ft SE. from the center of a sec. rd. crossing; 45.3 ft SE. of the SE. rail of main track, 19 ft SW. of a fence cor., and 1.5 ft NW. of a right-of-way fence, set on top of a concrete post which projects about 0.6 ft above ground, a standard USC&GS disk stamped "W 35 1934" 1167.786
- 2 0.3 Reference Mark No. 1 for OTRANTO, 1971. 42 ft N., 52.7 ft E. of station mark, 16 ft W. of center of a field entrance and 0.8 ft S. of a right-of-way fence, set on top of a concrete post projecting 0.1 ft above ground, a standard USC&GS disk stamped "OTRANTO RM 1 1971" 1181.998
- 3 0.3 USC&GS Triangulation Station OTRANTO, 1971; 1.2 mi NW. along Co. Rd. S-70, to a point where rd. curves SE.-W. and station on right side; 100.6 ft N. of center rd. at a T-rd. W. and 42 ft S. of a right-of-way fence and a witness post, set on top of a concrete post which projects 0.1 ft above ground, a standard USC&GS disk stamped "OTRANTO 1971" Mark is 2.4 ft lower than center rd. at a T-rd. W., T. 100 N., R. 18 W., near the quarter cor. between secs. 17 and 20 1180.336

LINE 7 (Cont'd)

FEET

OSAGE QUAD. - 265

- 2 4 0.3 Reference Mark No. 2 for OTRANTO, 1971, 42 ft N., 49.8 ft W. of station mark and 0.7 ft S. of a right-of-way fence set on top of a concrete post which projects 0.1 ft above ground, a standard USC&GS disk stamped "OTRANTO RM 2 1971" 1180.915
- 5 0.5 Azimuth Mark for OTRANTO, 1971, 0.96 mi NW. along Co. Rd. S-70 from; to a point where Co. Rd. S-70 crosses the C. M. & S.P. RR.; 23 ft S., 18 ft E. of and 0.7 ft lower than center rd. at RR. crossing and 1.6 ft N. of a RR. crossing sign; set on top of a concrete post which projects 0.1 ft above ground, a standard USC&GS disk stamped "OTRANTO AZI 1971", T. 100 N., R. 18 W., near the N. sixteenth cor. of sec. 20 1179.445
- 6 1.5 UE Azi. A; 0.96 mi SE. along rd. from tablet, at Otranto; 82.5 ft S., 21 ft E. of and 3.4 ft lower than crossroads, a punched hole in a metal culvert 1167.22
- 7 2.5 UE Azi. B; 2 mi SE. along rd. from tablet; on top of a rail spike in center of crossroads, painted "UE Centerline" 1182.01
- 48 3.5 Otranto, 2 mi S. of; or Carpenter, 1 mi N., 1.5 mi E. of; T. 99 and 100 N.; R. 18 W., sec. cors. 4, 5, 32 and 33; 8.1 ft N., 50.5 ft E. of and 1.4 ft lower than center of rd. at E.-W. fence lines; 8.1 ft N., 0.7 ft W. of a fence cor. and 244.8 ft N., 50.5 ft E. of center rd. at private drive E. to the Graig Patterson farm, set on top of a 1/2 in. copper coated steel rod in the center of a 6 in. tile, set flush with ground, a standard tablet stamped "13 CDL 1971" 1192.594
- 9 3.5 Reference Mark, 226 ft S., 8 ft W. of tablet and 16.8 ft N., 41 ft E. of center rd. at private drive E., a punched hole in a metal culvert 1188.55
- 10 4.5 UE 13 A; 1 mi S. along rd. from tablet; 19 ft N, 36 ft W. of and 0.8 ft lower than center of bridge over Deer Creek; a chiseled "X" on the NW. cor. of a concrete bridge, painted "UE" 1167.24

NORTHWOOD QUAD. - 266

- 11 5.4 UE 13 B; 1 mi S., and 1 mi W. along rd. from tablet; 67 ft S., 61 ft W. of and 1.5 ft lower than center rd. at T-rd. S. and 21 ft S. of the NE. cor. of a cemetery, on top of a rail painted orange used for a right-of-way marker, rail projects 0.8 ft above ground 1183.39
- 12 6.4 Reference Mark, 19 ft S., 41 ft W. of crossroads, and 16 ft N., 7.6 ft E. of tablet; a punched hole in a metal culvert 1189.66
- 13 6.4 Carpenter, 1 mi S., 0.5 mi E. of; T. 99 N., R. 18 W., sec. cors. 7, 8, 17 and 18; 35 ft S., 48.6 ft W. of and 2.7 ft lower than crossroads; 7.3 ft W., 3.6 ft S. of a power pole and 1.4 ft N. of a right-of-way fence and witness post, set on top of a 1/2 in. copper coated steel rod in the center of a 6 in. tile set flush with ground, a standard tablet stamped "14 CDL 1971" 1189.860
- 14 7.4 UE 14 A; 1 mi S. along rd. from tablet; 33 ft S., 41 ft E. of and 1.9 ft lower than crossroads, a rail spike in a cor. fence post, painted "UE" 1212.52
- 15 8.4 UE 14 B; 2 mi S. along rd. from tablet; a nail and washer in the center of crossroads, painted "UE Centerline" 1206.2
- 16 9.5 Carpenter, 4 mi S., 0.5 mi E. of; T. 99 N., R. 18 W., sec. cors. 29, 30, 31 and 32; 10 ft S., 330 ft E. of and 2.1 ft lower than crossroads; 10 ft S., 6 ft E. of center of rd. over a concrete box culvert and 4 ft W. of the SE. cor. of headwall on concrete box culvert, set near the center of a headwall of a concrete box culvert, a standard tablet stamped "15 CDL 1971" 1198.182

LINE 7 (Cont'd)

FEET

NORTHWOOD QUAD. - 266

- 2 17 9.5 Reference Mark, 46 ft S., 22 ft E. of crossroads and 36 ft S., 308 ft W. of
tablet; a punched hole in a metal culvert 1196.05
- 18 10.5 UE 15 A; 1 mi S. along rd. from tablet; 34 ft N., 23.8 ft W. of and 4.2 ft lower
than crossroads, a punched hole in a metal culvert 1212.82
- 19 11.6 UE 15 B; 2 mi S. along rd. from tablet; 15 ft S., 10 ft E. of and 0.3 ft higher than
center of bridge; a chiseled square on the bottom ridge of the SE. cor. of a
headwall of a concrete bridge over Rock Creek 1197.00
- 20 12.6 Reference Mark, 26 ft S., 65 ft E. of crossroads, and 139 ft N., 25 ft E. of tablet;
a punched hole in a metal culvert 1219.52
- 21 12.6 Carpenter, 7 mi S., 0.5 mi E. of; T. 98 N., R. 18 W., sec. cors. 7, 8, 17 and 18,
165 ft S., 40 ft E. of and 0.8 ft lower than crossroads, 4.5 ft N. of a power
pole, 1.3 ft W. of a right-of-way fence and 1.3 ft SW. of a witness post, set
on top of a 1/2 in. copper coated steel rod in the center of a 6 in. tile set
flush with ground, a standard tablet stamped "16 CDL 1971" 1222.358
- 22 13.6 USC&GS Azimuth Mark ERIE, 1971. Carpenter, 8 mi S., 0.5 mi E. of; T. 98 N., R.
18 W., sec. cors. 17, 18, 19 and 20; 35 ft S., 36 ft E. of and 3.1 ft lower
than crossroads, 1 ft W. of a power pole and 3.6 ft W. of a fence cor., set on
top of a concrete post which projects 0.2 ft above ground, a standard USC&GS
disk stamped "ERIE AZI 1971" 1222.085
- 23 14.6 UE 16 A; 1 mi S. of azimuth mark along rd., on top of a spike in the center of a
chiseled "X", in the center of crossroads, painted "UE Centerline" 1222.8
- 24 15.6 UE 16 B; 2 mi S. along rd. from azimuth mark; 65 ft S., 14 ft W. of and 0.5 ft
higher than crossroads, a chiseled "X" on the W. headwall of a concrete box
culvert 1197.71
- 25 16.6 Carpenter, 12 mi S., 0.5 mi E. of; T. 97 and 98 N., R. 18 W., sec. cors. 5, 6,
31 and 32; 37.5 ft N., 55 ft W. of and 2.7 ft lower than crossroads; 1.8 ft
E. of a witness post and 5.3 ft NW. of a power pole, set on top of a 1/2 in.
copper coated steel rod in the center of a 6 in. tile, a standard tablet stamped
"17 CDL 1971" 1217.086
- 26 16.6 Reference Mark, 30.6 ft S., 49.5 ft W. of crossroads, and 68.1 ft S., 6 ft E. of
tablet; a rail spike in a power pole 1217.00

MASON CITY QUAD. - 243

- 27 17.6 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 and Floyd Counties, T. 97 N., R. 18 W.; 328 ft S., 51 ft
E., and 1.2 ft higher than center of crossroads and intersection of Co. Hwys. "K"
and "M"; at approx. cor. of secs. 5, 6, 7 and 8; 295 ft S. of cor. post of woven
wire fences to S.-E.; 4 ft N. of powerline 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