

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

THIRD ORDER LEVELS  
SEA LEVEL DATUM OF 1929

Final Adjustment of 1969

Lyons County

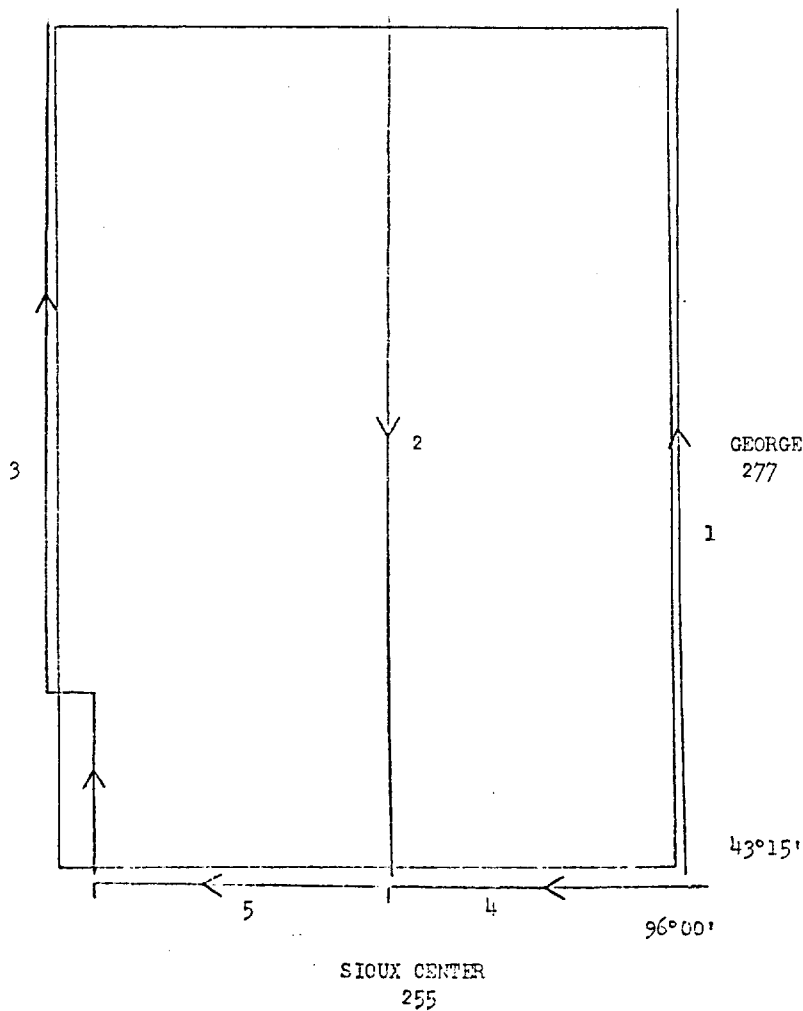
Edition of 11/12/69  
PR: ADF/GH/ph

ROCK RAPIDS QUADRANGLE  
278 - IOWA  
N4315-W9600/15  
DIAGRAM NK 14-3  
SIOUX FALLS

LUVERNE  
21 MINN.

LARCHWOOD  
279 IA.  
47 S. DAK.

GEORGE  
277



A. Quadrangle No. 430962

278A

2  
ROCK RAPIDS QUADRANGLE  
278 - IOWA

LINE 1

FEET

J. W. Geurin, 1969; Book CV-2404

SHELDON QUAD. - 254

- |    |      |     |                                                                                                                                                                                                                                                                                                                                                                                     |          |
|----|------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1  | 2    | 0.0 | Matlock, 3.0 mi W. of; T. 97 N., R. 44 W., cor. secs. 1, 2, 11 and 12; 210 ft S., 40 ft W. and 2.7 ft lower than crossroads; 1.5 ft NE. of power pole projecting 1 in. above ground, a standard tablet in top of concrete post, stamped "1359 30 LMT 1963"                                                                                                                          | 1359.163 |
|    |      |     | <u>GEORGE QUAD. - 277</u>                                                                                                                                                                                                                                                                                                                                                           |          |
| 3  | 1.0  |     | Reference Mark, 96 ft S. of tablet; 38 ft S. and 41 ft W. of crossroad, 6 in. above ground, a rail spike in E. side of a telephone pole, painted "RM"                                                                                                                                                                                                                               | 1380.84. |
| 3  | 1.0  |     | Boyden, 4.5 mi N. of, along Hwy. L-14; at sec. cors. 1, 2, 35 and 36, T. 98 N., R. 44 W., 58 ft N. and 65 ft W. of crossroads, 2 ft N. of telephone brace pole, in fenceline projecting 3 in. above ground, a standard tablet on end of copper coated steel rod driven 10 feet into ground and incased in 5 in. drain tile 1 ft long, filled with gravel, stamped "1383 1 GEU 1969" | 1383.340 |
| 4  | 2.0  |     | UE 1 A; T. 98 N., R. 44 W., at cor. secs. 25, 26, 35 and 36; 1 mi N. along Hwy. L-14 from BM 1 GEU, in center of crossroads, painted "UE Centerline"                                                                                                                                                                                                                                | 1399.3   |
| 5  | 3.0  |     | UE 1 B; T. 98 N., R. 44 W., at cor. of secs. 23, 24, 25 and 26; 2.0 mi N. along Hwy. L-14 from BM 1 GEU, in center of crossroads, painted "UE Centerline"                                                                                                                                                                                                                           | 1412.1   |
| 6  | 4.0  |     | Reference Mark, 153 ft SE. of tablet; rail spike in power pole 6 in. above ground (W. side of pole), painted                                                                                                                                                                                                                                                                        | 1383.87  |
| 6  | 4.0  |     | Boyden, 7.5 mi N. of; 3 mi S. of George along Hwy. L-14; T. 98 N., R. 44 W., at cor. secs. 13, 14, 23 and 24, 30 ft W. and 148 ft N. of crossroads, a standard tablet set in end of 4 ft round concrete culvert (S. one of three), stamped "1385 2 GEU 1969", painted "BM"                                                                                                          | 1385.066 |
| 7  | 5.0  |     | UE 2 A; T. 98 N., R. 44 W., at cor. of secs. 11, 12, 13 and 14, 1 mi N. along Hwy. L-14 from BM 2 GEU, 1.3 ft lower than center rd., rail spike in W. side of power pole 6 in. above ground, 45 ft S. and 55 ft E. of center crossroad, painted "UE"                                                                                                                                | 1403.94  |
| 8  | 6.0  |     | UE 2 B; T. 98 N., R. 44 W., at cor. secs. 1, 2, 11 and 12, 1 mi S. of George, along Hwy. L-14 (2 mi N. of BM 2 GEU), center rd. at T-drive W., painted "UE Centerline"                                                                                                                                                                                                              | 1359.5   |
| 9  | 6.9  |     | Reference Mark, 110 ft S. of BM, 21 ft W. of center st., punched hole in S. end of culvert, painted "RM"                                                                                                                                                                                                                                                                            | 1385.13  |
| 9  | 6.9  |     | George, in town of; at the cor. of N. Virginia and E. Iowa Sts., 23 ft E. and 68 ft N. of center of cross-streets, 11 ft W. of Ebenezer Presbyterian Church, a standard tablet set in cor. of sidewalk, stamped "1389 3 GEU 1969" (not painted)                                                                                                                                     | 1389.389 |
| 10 | 8.0  |     | UE 3 A; T. 99 N., R. 44 W., at cor. of secs. 25, 26, 35 and 36; 1 mi N. of George along Hwy. 339 from BM 3 GEU, center crossroads, painted "UE Centerline"                                                                                                                                                                                                                          | 1405.8   |
| 11 | 9.0  |     | UE 3 B; T. 99 N., R. 44 W., at cor. secs. 23, 24, 25 and 26; 2 mi N. of George along Hwy. 339 from BM 3 GEU, center rds., painted "UE Centerline"                                                                                                                                                                                                                                   | 1437.1   |
| 12 | 10.0 |     | Reference Mark, 85 ft E. of BM, a spike in W. side of power pole, 6 in. above ground                                                                                                                                                                                                                                                                                                | 1456.40  |
| 12 | 10.0 |     | George, 3 mi N. of; T. 99 N., R. 44 W., at cor. of secs. 13, 14, 23 and 24; 26 ft W., 50 ft S. of crossroads in center of concrete headwall on W. side rd., a standard tablet stamped "4 GEU 1969 1457"                                                                                                                                                                             | 1456.509 |

3  
ROCK RAPIDS QUADRANGLE  
278 - IOWA

LINE 1 (Cont'd)

FEET

GEORGE QUAD. - 277

|           |                                                                                                                                                                                                                                                        |          |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1 13 11.0 | UE 4 A; T. 99 N., R. 44 W., cor. of secs. 11, 12, 13 and 14, 1 mi N. of BM 4 GEU, center hwy. at T-rd. E., painted "UE Centerline"                                                                                                                     | 1460.4   |
| 14 12.0   | UE 4 B; T. 99 N., R. 44 W., at cor. of secs. 1, 2, 11 and 12, 2 mi N. of BM 4 GEU, center crossroads, painted "UE Centerline"                                                                                                                          | 1450.1   |
| 15 12.9   | Reference Mark, 90 ft SE. of BM, rail spike in W. side power pole, painted "RM"                                                                                                                                                                        | 1433.35  |
| 15 12.9   | George, 6 mi N. of; T. 99 N., R. 44 W., near sec. cors. 1, 2, 35 and 36; 430 ft S. and 24 ft E. of center crossroads (Hwys. 9 and 339), in center of E. headwall of concrete culvert, stamped "1434 5 GEU 1969", painted "BM"                          | 1433.990 |
| 16 14.0   | UE 5 A; T. 100 N., R. 44 W., at sec. cors. 25, 26, 35 and 36; 35 ft S. and 26 ft E. of center of crossroads, rail spike in W. side of power pole 6 in. above ground, painted "UE"                                                                      | 1415.82  |
| 17 15.1   | Reference Mark, 210 ft N. of BM, rail spike in power pole, painted "RM"                                                                                                                                                                                | 1438.66  |
| 17 15.1   | George, 8 mi N. of; T. 100 N., R. 44 W., at cor. of secs. 23, 24, 25 and 26, 66 ft W. and 31 ft N. of center of T-drive to church, 65 ft SE. of SE. cor. Bethel Reformed Church, in concrete sidewalk of entrance to church, stamped "1441 6 GEU 1969" | 1440.490 |
| 18 16.1   | UE 6 A; T. 100 N., R. 44 W., at sec. cors. 13, 14, 23 and 24; 36 ft W. and 37 ft S. of crossroads, rail spike in E. side of power pole, 6 in. above ground, painted "UE"                                                                               | 1431.30  |
| 19 17.1   | UE 6 B; T. 100 N., R. 44 W., at sec. cors. 11, 12, 13 and 14, approx. 0.5 mi S. of Minn. state line, 115 ft N. and 33 ft W. of center of field entrance W., spike in gate post, painted "UE"                                                           | 1439.44  |

ADRIAN QUAD. - 20 MINN.

|         |                                                                                                                                                                                                                                                                                                                |          |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 20 17.9 | Ellsworth, 1.3 mi S. and approx. 1.0 mi E. of; T. 101 N., R. 43 W., near S. cor. secs. 33 and 34, on Minn.-Iowa State line, 36 ft S. and 735 ft W. of T-rd. N., 36 ft S. and 5/2 ft E. of T-rd. S., 1 ft N. of T-fence S., in concrete post; a standard tablet stamped "60 SEM 1966 1450", painted "BM 1450.3" | 1450.230 |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|

LINE 2

J. W. Geurin, 1969; Book CV-2404

LUVERNE QUAD. - 21 MINN.

|          |                                                                                                                                                                                                                                                                                                        |          |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1 24 0.0 | Kanaranzi, 5.0 mi S. and 1.0 mi W. of; T. 101 N., R. 44 W., near S. cor. secs. 33 and 34, on Minn.-Iowa State line, at crest of hill, 31 ft S. of center of E.-W. rd., 1 ft N. of fence, on N. side of E.-W. lane; in concrete post; a standard tablet stamped "63 SEM 1966 1435", painted "BM 1435.2" | 1435.051 |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|

ROCK RAPIDS QUAD. - 278

|        |                                                                                                                                                                                                                                                    |         |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 24 1.0 | UE 6 C; T. 100 N., R. 45 W., at the cor. of secs. 11, 12, 13 and 14; approx. 0.65 mi S. of the Minn.-Iowa State Line; 2 mi N. of BM 7 GEU, 26 ft W. and 26 ft S. of fence cor., rail spike in E. side power pole 10 in. above ground, painted "UE" | 1438.37 |
| 25 2.1 | UE 6 D; T. 100 N., R. 45 W., at the cor. of secs. 13, 14, 23 and 24; 31 ft W. and 21 ft S. of T-rd. N., 1.65 mi S. of Minn.-Iowa State Line Rd., 1 mi N. of BM 7 GEU, rail spike in E. side of power pole, 10 in. above ground, painted "UE"       | 1423.97 |

4  
ROCK RAPIDS QUADRANGLE  
278 - IOWA  
FEET  
1433.97

LINE 2 (Cont'd)

ROCK RAPIDS QUAD. - 278

- |    |      |     |                                                                                                                                                                                                                                                                                                                                                                                |          |
|----|------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1  | 26   | 3.1 | Reference Mark, 92 ft SW. of BM, spike in telephone pole, painted "RM"                                                                                                                                                                                                                                                                                                         | 1433.97  |
| 27 | 3.1  |     | Rock Rapids, 2 mi E. of and 2 mi N. of; 0.2 mi W. of sec. cors. 23, 24, 25 and 26; T. 100 N., R. 45 W., 35 ft N. and 66 ft W. of RR. and county rd. crossing, set in E.-W. fence, 6 ft W. of cor. post, a standard tablet on end of copper coated steel rod driven 15 ft into ground and incased in 5 in. drain tile 1 ft long filled with concrete, stamped "7 GEU 1969 1432" | 1431.978 |
| 28 | 4.4  |     | UE 7 A; T. 100 N., R. 45 W., at sec. cors. 25, 26, 35 and 36; 1.2 mi S. of BM 7 GEU, 35 ft S. and 66 ft W. of center T-rd. S., spike in E. side power pole                                                                                                                                                                                                                     | 1363.8   |
| 29 | 5.4  |     | Reference Mark, 110 ft NE. of BM, a rail spike in power pole, 12 in. above ground                                                                                                                                                                                                                                                                                              | 1406.59  |
| 29 | 5.4  |     | Rock Rapids, 2 mi E. of, along State Hwy. 9; T. 99 N., R. 45 W., at sec. cors. 1, 2, 35 and 36; 18 ft W. and 53 ft S. of center crossroads, a standard tablet set in W. end of concrete culvert, stamped "8 GEU 1969 1405", painted "BM"                                                                                                                                       | 1404.465 |
| 30 | 6.3  |     | UE 8 A; T. 99 N., R. 45 W., at sec. cors. 1, 2, 11 and 12; 1 mi S. of BM 8 GEU, 19 ft E., 145 ft N. of crossroads, punched hole in E. end of metal culvert, painted "UE"                                                                                                                                                                                                       | 1428.56  |
| 31 | 7.3  |     | UE 8 B; T. 99 N., R. 45 W., at sec. cors. 11, 12, 13 and 14; 2 mi S. of BM 8 GEU, 105 ft N. and 20 ft W. of center crossroads, punched hole in W. end of steel culvert, painted "UE"                                                                                                                                                                                           | 1373.31  |
| 32 | 7.8  |     | Rock Rapids, 2 mi E. and 2.5 mi S. of; T. 99 N., R. 45 W., near quarter cor. between secs. 13 and 14, 230 ft N. of E.-W. power line and fence line (1/4 sec. line), 13 ft E. of center rd., a standard tablet set in E. headwall of concrete culvert stamped "9 GEU 1969 1358", painted "BM"                                                                                   | 1358.129 |
| 32 | 7.8  |     | Reference Mark, 235 ft SE. of BM; 100 ft E. of center rd., rail spike in large power pole 8 in. above ground in E.-W. fence line, painted "RM"                                                                                                                                                                                                                                 | 1366.79  |
| 33 | 8.2  |     | N. rail at center of rd. at RR. crossing, painted "N. Rail"                                                                                                                                                                                                                                                                                                                    | 1360.56  |
| 33 | 8.8  |     | UE 9 A; T. 99 N., R. 45 W., 1 mi S. of BM 9 GEU, at quarter sec. cor. between secs. 23 and 24, 29 ft E. and 22 ft S. of center rd. at E.-W. fence, spike in telephone pole (W. side), 10 in. above ground, painted "UE"                                                                                                                                                        | 1398.54  |
| 34 | 9.3  |     | UE 9 B; T. 99 N., R. 45 W., at sec. cors. 23, 24, 25 and 26; 32 ft W. and 34 ft N. of center crossroads; rail spike in power pole 8 in. above ground on E. side of pole, painted "UE"                                                                                                                                                                                          | 1403.54  |
| 35 | 10.3 |     | UE 9 C; T. 99 N., R. 45 W., at the cor. of secs. 25, 26, 35 and 36; 13 ft E. and 51 ft S. of center crossroads, a punched hole in E. end of metal culvert 1.5 ft lower than crossroads, painted "UE"                                                                                                                                                                           | 1417.20  |
| 36 | 11.0 |     | Reference Mark, 21 ft E. of BM on E. headwall, a copper washer set in concrete headwall                                                                                                                                                                                                                                                                                        | 1371.46  |
| 36 | 11.0 |     | Rock Rapids, 2 mi E. of and 5.7 mi S. of; T. 99 N., R. 45 W., 0.3 mi N. of sec. cor. 1, 2, 35 and 36 (6 mi W. and 0.3 mi N. of George), a standard tablet stamped "10 GEU 1969 1371" (Set in W. headwall of concrete culvert)                                                                                                                                                  | 1370.946 |
| 37 | 11.3 |     | UE 10 A; T. 98 and 99 N., R. 45 W., sec. cors. 1, 2, 35 and 36; pin in center of paved crossroad (A 34), painted "UE Centerline"                                                                                                                                                                                                                                               | 1355.4   |
| 38 | 12.4 |     | UE 10 B; T. 98 N., R. 45 W., 32 ft W. and 31 ft N. of crossroads, at sec. cors. 1, 2, 11 and 12, a rail spike in E. side of telephone pole, 8 in. above ground, painted "UE"                                                                                                                                                                                                   | 1312.11  |
| 39 | 13.0 |     | UE 10 C; T. 98 N., R. 45 W., between secs. 11 and 12, approx. 0.63 mi S. of sec. cors. 1, 2, 11 and 12, a copper nail and washer in center of bridge over Rock River, painted "UE"                                                                                                                                                                                             | 1307.7   |

5  
ROCK RAPIDS QUADRANGLE  
278 - IOWA

LINE 2 (Cont'd)

FEET

ROCK RAPIDS QUAD. - 278

- 1 39 13.4 UE 10 D; T. 98 N., R. 45 W., at sec. cors. 11, 12, 13 and 14; 32 ft E., 17 ft S. of center rd. at field entrance E., a spike in W. side of power pole, painted "UE" 1357.8
- 40 14.0 Reference Mark, 37 ft SW. of BM, rail spike in power pole, painted "RM" 1357.77
- 40 14.0 George, 6 mi W. and 2.7 mi S. of; T. 98 N., R. 45 W., 34 ft S., between secs. 13 and 14, 34 ft S. and 12 ft W. of center of rd. at driveway to Don Mallette residence, a standard tablet set in W. concrete headwall of culvert, stamped "11 GEU 1969 1360", painted "BM" 1360.170
- 41 14.3 UE 11 A; T. 98 N., R. 45 W., at cor. of secs. 13, 14, 23 and 24; 34 ft N., 33 ft W. of crossroads, a rail spike in E. side of power pole, painted "UE" 1371.60
- 42 15.4 UE 11 B; T. 98 N., R. 45 W., at cor. of secs. 23, 24, 25 and 26; 35 ft W. and 37 ft N. of crossroads, painted "UE" 1411.99
- 43 15.4 Center of drive E. (N. one of two) 1415.0
- 43 16.4 UE 11 C; T. 98 N., R. 45 W., at cor. of secs. 25, 26, 35 and 36; center of paved crossroads, painted "UE Centerline" 1407.2
- 44 17.1 Reference Mark, 65 ft NW. of BM, rail spike in E. side of power pole, painted "RM" 1379.73
- 44 17.1 George, 6 mi W. and 5.7 mi S. of; T. 98 N., R. 45 W., between secs. 35 and 36; approx. .3 mi N. of sec. cors. 1, 2, 35 and 36; 12 ft E. of center rd., a standard tablet set in E. headwall of concrete culvert, stamped "12 GEU 1969 1361", painted "BM" 1380.428
- 45 17.4 UE 12 A; T. 98 N., R. 45 W., at sec. cors. 1, 2, 35 and 36; 32 ft W. and 34 ft S. of crossroads, a rail spike in power pole, painted "UE (W. side)" 1411.50

SIOUX CENTER QUAD. - 255

- 46 19.3 UE 38 LMT D; T. 97 N., R. 45 W., cor. secs. 11, 12, 13 and 14; 24 ft S. and 23 ft W. and 4.0 ft lower than crossroads; a chiseled square on S. end of a concrete tile culvert, painted "UE 1407.6" 1407.62

LINE 3

J. W. Geurin, 1969: Book CV-2404

SIOUX CENTER QUAD. - 255

- 1 48 0.0 Rock Valley, 2.2 mi N., 2.2 mi E. of; T. 97 N., R. 46 W., cor. secs. 1, 2, 11 and 12; 72 ft S., 49 ft E., and 2.6 ft lower than T-rd. E., between telephone pole and fence projecting 2 in. above the ground; a standard tablet stamped "1264 50 LMT 1963", painted "BM 1264.4" 1264.369
- 48 0.5 UE 12 B; between secs. 1 and 2, at quarter sec. cor., approx. 0.5 mi N. of BM 50 LMT, center of crossroads, painted "UE Centerline" 1275.7

ROCK RAPIDS QUAD. - 278

- 48 1.0 UE 12 C; T. 97 and 98 N., R. 46 W., at cor. of secs. 1, 2, 35 and 36; center of crossroads (N.-S. rd. paved), 1 mi S. of the town of Doon, painted "UE Centerline" 1270.6
- 49 2.0 UE 12 D; T. 98 N., R. 46 W., at cor. of secs. 25, 26, 35 and 36; 1/2 mi S. of Doon's main street, center of crossroads, painted "UE Centerline" 1284.3

LINE 3 (Cont'd)

FEET

ROCK RAPIDS QUAD. - 278

- |    |     |     |                                                                                                                                                                                                                                                                                            |          |
|----|-----|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1  | 50  | 3.0 | UE 12 E; T. 98 N., R. 46 W., at cor. of secs. 23, 24, 25 and 26; center of N.-S. paved hwy. at extension of rd. E., pin in center of N.-S. rd., painted "UE Centerline"                                                                                                                    | 1278.2   |
| 51 | 3.5 |     | Reference Mark, 310 ft SW. of BM; 12 ft N. and 24 ft W. of center of hwy. at drive W. to tin shed; top of 10 in. round pile of NE. end of bridge across ditch                                                                                                                              | 1274.35  |
| 51 | 3.5 |     | Doon, 1 mi N. of; T. 98 N., R. 46 W., between secs. 23 and 24, 1 mi N. of Doon on Hwy. 167, on S. end of 300 ft concrete bridge across Rock River, a standard tablet set in bridge 14 in. above center of bridge, in S. end of bridge on E. side, stamped "13 GEU 1969 1278", painted "BM" | 1278.348 |
| 52 | 4.0 |     | UE 13 A; T. 98 N., R. 46 W., at cor. of secs. 13, 14, 23 and 24; center of T-rd. W. (paved rd.), painted "UE Centerline"                                                                                                                                                                   | 1277.9   |

LARCHWOOD QUAD. - 279 - 47

- |    |      |                                                                                                                                                                                                                                                                                                 |          |
|----|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 53 | 5.0  | UE 13 B; T. 98 N., R. 46 W., at sec. cors. 14, 15, 22 and 23; 31 ft E. and 38 ft N. of center T-rd. N., spike in W. side of power pole 0.6 ft above the ground                                                                                                                                  | 1330.33  |
| 54 | 6.0  | UE 13 C; T. 98 N., R. 46 W., at cor. of secs. 10, 11, 14 and 15; 19 ft E. and 35 ft N. of Center T-rd. W., a rail spike in W. side of power pole 12 in. above ground                                                                                                                            | 1407.85  |
| 55 | 7.0  | Reference Mark; 215 ft N. of BM, a rail spike in W. side of power pole                                                                                                                                                                                                                          | 1430.17  |
| 55 | 7.0  | Doon, 1 mi W. and 3.5 mi N. of; T. 98 N., R. 46 W., at cor. of secs. 2, 3, 10 and 11; 120 ft N. and 34 ft E. of center crossroads, a standard tablet on a 15 ft copper coated steel rod driven into the ground, incased in 1 ft drain tile and filled with concrete, stamped "14 GEU 1969 1431" | 1431.347 |
| 56 | 8.2  | UE 14 A; T. 98 and 99 N., R. 46 W., at cor. of secs. 2, 3, 34 and 35; center of E.-W. paved rd. and N.-S. gravel rd., painted "UE Centerline"                                                                                                                                                   | 1419.7   |
| 57 | 9.2  | Reference Mark is 70 ft SE. of BM, a punched hole in N. end of culvert, painted                                                                                                                                                                                                                 | 1430.72  |
| 57 | 9.2  | Rock Rapids, 3.5 mi W. and 5 mi S. of; at cor. of secs. 26, 27, 34 and 35; T. 99 N., R. 46 W., 49 ft N. and 39 ft W. of center crossroads, a standard tablet on a 15 ft steel rod driven into the ground incased in a 1 ft drain tile poured full of concrete, stamped "15 GEU 1969"            | 1430.806 |
| 58 | 10.2 | UE 15 A; T. 99 N., R. 46 W., at sec. cors. 22, 23, 26 and 27; 22 ft W. and 51 ft N. of center crossroads, a punched hole in W. end of culvert, painted "UE"                                                                                                                                     | 1457.21  |
| 59 | 11.2 | Reference Mark, 51 ft E. of BM, a rail spike in W. side of telephone pole                                                                                                                                                                                                                       | 1459.85  |
| 59 | 11.2 | Rock Rapids, 3.5 mi W. and 3 mi S. of; at cor. of secs. 14, 15, 22 and 23, 20 ft W. and 48 ft N. of center crossroads, a standard tablet set in the W. end of a 3 ft diameter concrete culvert, stamped "16 GEU 1969 1463", painted "BM"                                                        | 1462.435 |
| 60 | 12.2 | UE 16 A; T. 99 N., R. 46 W., at sec. cors. 10, 11, 14 and 15; 35 ft N. and 41 ft W. of center crossroads, spike in E. side of large brace pole to power pole, painted "UE"                                                                                                                      | 1456.15  |
| 61 | 13.2 | UE 16 B; T. 99 N., R. 46 W., at sec. cor. 2, 3, 10 and 11; 30 ft N. and 33 ft W. of center crossroads, a rail spike in E. side of telephone pole                                                                                                                                                | 1436.43  |
| 62 | 14.0 | Reference Mark, 27 ft E. of BM, chiseled square in E. headwall, painted "BM"                                                                                                                                                                                                                    | 1411.75  |

7  
ROCK RAPIDS QUADRANGLE  
278 - IOWA

LINE 3 (Cont'd)

FEET

LARCHWOOD QUAD. - 279 - 47

|           |                                                                                                                                                                                                                                                                                                                         |          |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1 62 14.0 | Rock Rapids, 3.5 mi W. and 1/4 mi S. of; T. 99 N., R. 46 W., a quarter mi S. of sec. cors. 2, 3, 34 and 35, 59 ft S. and 12 ft W. of center rd. at field entrance W. to windmill, a standard tablet set in the center of a concrete headwall of a bridge across a small drain, stamped "17 GEU 1969 1412", painted "BM" | 1411.607 |
| 63 14.3   | UE 17 A; 3.5 mi W. of Rock Rapids, along Hwy. 9, T. 100 N., R. 46 W., at cor. of secs. 2, 3, 34 and 35; center crossroads, painted "UE Centerline"                                                                                                                                                                      | 1425.4   |
| 64 15.3   | Center crossroads                                                                                                                                                                                                                                                                                                       | 1454.5   |
| 64 15.3   | UE 17 B; T. 100 N., R. 46 W., at cor. of secs. 26, 27, 34 and 35; 33 ft W. and 35 ft N. of center crossroads, rail spike in power pole, 1 ft above ground                                                                                                                                                               | 1452.60  |
| 65 16.3   | Center crossroads                                                                                                                                                                                                                                                                                                       | 1478.5   |
| 65 16.3   | UE 17 C; T. 100 N., R. 46 W., at cor. of secs. 22, 23, 26 and 27; 33 ft E. and 35 ft S. of center crossroads, a rail spike on W. side of power pole, 1 ft above ground                                                                                                                                                  | 1476.88  |
| 66 16.5   | Reference Mark, 39 ft NE. of BM; a rail spike in W. side of power pole, 8 in. above ground                                                                                                                                                                                                                              | 1479.67  |
| 66 16.6   | Rock Rapids, 3.5 mi W. and 2 1/4 mi N. of; approx. a quarter mi N. of sec. cors. 22, 23, 26 and 27; T. 100 N., R. 46 W., 16 ft E. and 117 ft S. of center rd. at fence E., a standard tablet set in headwall of culvert, stamped "18 GEU 1969 1431"                                                                     | 1481.227 |
| 67 17.3   | Center crossroads                                                                                                                                                                                                                                                                                                       | 1480.6   |
| 67 17.3   | UE 18 A; T. 100 N., R. 46 W., at sec. cors. 14, 15, 22 and 23; 32 ft E. and 35 ft S., center crossroads, a rail spike in W. side of power pole, 1 ft above ground                                                                                                                                                       | 1478.77  |
| 68 18.3   | Center crossroads                                                                                                                                                                                                                                                                                                       | 1480.4   |
| 68 18.4   | UE 18 B; T. 100 N., R. 46 W., at cor. of secs. 10, 11, 14 and 15; 30 ft E. and 35 ft W. of center crossroads, a rail spike on W. side of power pole, 1 ft above ground, painted "UE"                                                                                                                                    | 1478.13  |

LUVERNE QUAD. - 21 MINN.

|         |                                                                                                                                                                                                                                                                   |          |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 70 19.9 | Steen, 1.0 mi S. and 1.5 mi E. of; on Minn.-Iowa State line; T. 101 N., R. 45 W., 820 ft W. of S. cor. secs. 33 and 34; 33 ft N. of center of rd. at crest, 2 ft S. of fence; in concrete post; a standard tablet stamped "48 SEM 1966 1475", painted "BM 1475.1" | 1474.946 |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|

LINE 4

L. M. Tackett. 1963: Book CV-1569

SHELDON QUAD. - 254

|     |                                                                                                                                                                                                                                                                  |          |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 0.0 | Matlock, 3.0 mi W. of; T. 97 N., R. 44 W., cor. secs. 1, 2, 11 and 12; 210 ft S., 40 ft W. and 2.7 ft lower than crossroads; 1.5 ft NE. of power pole projecting 1 in. above the ground; a standard tablet in top of a concrete post; stamped "1359 30 LMT 1963" | 1359.163 |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|

LINE 4 (Cont'd)

FEET

SIoux CENTER QUAD. - 255

- |     |                                                                                                                                                                                                                                                                            |          |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1.0 | UE 30 LMT AA; T. 97 N., R. 44 W., cor. secs. 2, 3, 10 and 11; 23 ft N., 29 ft E., and 3.6 ft lower than crossroads; a chiseled square on N. end of concrete tile culvert                                                                                                   | 1410.49  |
| 2.0 | UE 30 LMT BB; T. 97 N., R. 44 W., cor. secs. 3, 4, 9 and 10; 16 ft N., 43 ft E., and 1.9 ft lower than crossroad; a punched hole in N. end of a steel culvert                                                                                                              | 1423.8   |
| 3.0 | Boyden, 3.5 mi N. and 2.5 mi W. of; T. 97 N., R. 44 W., cor. secs. 4, 5, 8 and 9; 35 ft S., 370 ft E. and 8.7 ft higher than crossroads; 1 ft N. of power pole; projecting 2 in. above the ground; a standard tablet in top of a concrete post; stamped "1427 38 LMT 1963" | 1426.875 |
| 3.1 | Reference Mark, 38 ft N., 55 ft W. of crossroads; a chiseled square on W. end of a concrete tile culvert                                                                                                                                                                   | 1412.64  |
| 4.1 | UE 38 LMT A; T. 97 N., R. 44 W., cor. secs. 5, 6, 7 and 8; 29 ft S., 34 ft W. and 3.7 ft lower than crossroads; a chiseled square on E. end of a concrete culvert                                                                                                          | 1436.79  |
| 5.0 | UE 38 LMT B; T. 97 N., R. 44 and 45 W., cor. secs. 1, 6, 7 and 12; 32 ft N., 34 ft E. and 1.1 ft lower than crossroads; a rail spike in S. side of a power pole                                                                                                            | 1432.30  |
| 6.0 | UE 38 LMT C; T. 97 N., R. 45 W., cor. secs. 1, 2, 11 and 12; 16 ft S., 34 ft W., and 2.9 ft lower than crossroads; a punched hole in S. end of a steel culvert                                                                                                             | 1420.46  |

LINE 5

L. M. Tackett, 1963; Book CV-1568

SIoux CENTER QUAD. - 255

- |     |                                                                                                                                                                                                                                                                          |          |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 0.0 | 38 LMT C; (Described in Line 4)                                                                                                                                                                                                                                          | 1420.46  |
| 0.5 | Hull, 3.5 mi N. of, at quarter cor. between secs. 2 and 11; T. 97 N., R. 45 W., 34 ft S. and 34 ft W., 1.7 ft higher than rd. at N.-S. fence; stamped "BOEVE RM NO 4 1949" (Rept. dest. 6-69 JWG)                                                                        | 1443.876 |
| 1.0 | UE Boeve A; T. 97 N., R. 45 W., cor. secs. 2, 3, 10 and 11; a 40d nail driven in center of asphalt rd. at gravel crossroads                                                                                                                                              | 1398.89  |
| 2.0 | UE Boeve B; T. 97 N., R. 45 W., cor. secs. 3, 4, 9 and 10; 32 ft N., 33 ft W., and 2.3 ft lower than crossroads; a rail spike in S. side of power pole                                                                                                                   | 1345.37  |
| 3.0 | Reference Mark, 22 ft S. and 45 ft W. of crossroads; a chiseled square on S. end of a concrete tile culvert                                                                                                                                                              | 1308.03  |
| 3.1 | Perkins, 4.0 mi N. of; T. 97 N., R. 45 W., cor. secs. 4, 5, 8 and 9; 32 ft S., 452 ft W. of crossroads; 7.9 ft higher than crossroads; 2 ft NW. of fence cor. projecting 2 in. above the ground; a standard tablet in top of a concrete post; stamped "1322 49 LMT 1963" | 1322.126 |
| 4.0 | UE 49 LMT A; T. 97 N., R. 45 W., cor. secs. 5, 6, 7 and 8; 32 ft N., 76 ft W. and same elev. as T-rd. N.; chiseled square on W. end of a concrete tile culvert                                                                                                           | 1326.73  |
| 5.0 | UE 49 LMT B; T. 97 N., R. 45 and 46 W., cor. secs. 1, 6, 7 and 12; 38 ft N., 28 ft E. and 3.9 ft lower than crossroads; a rail spike in N. side of telephone pole                                                                                                        | 1321.91  |
| 6.0 | Reference Mark, 17 ft S., 46 ft E. of crossroads; a chiseled square on S. end of a concrete tile culvert                                                                                                                                                                 | 1265.65  |
| 6.0 | Rock Valley, 2.2 mi N., 2.2 mi E. of; T. 97 N., R. 46 W., cor. secs. 1, 2, 11 and 12; 72 ft S., 49 ft E. and 2.6 ft lower than T-rd. E.; between telephone pole and fence, projecting 2 in. above ground, a standard tablet stamped "1264 50 LMT 1963"                   | 1264.369 |