

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

THIRD ORDER LEVELS  
SEA LEVEL DATUM OF 1929

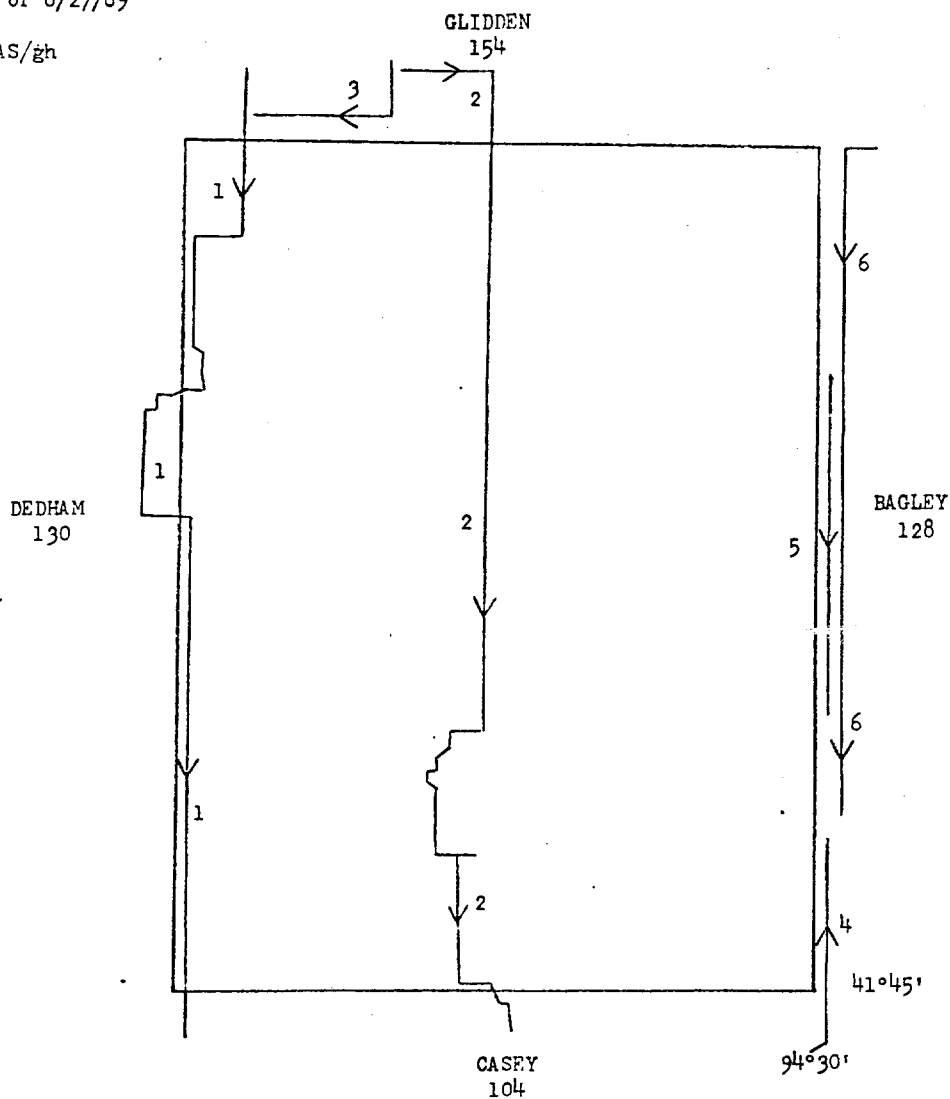
FINAL ADJUSTMENT OF 1969

Carroll and Green Counties

Edition of 8/27/69

PR:AKH/AS/gh

COON RAPIDS QUADRANGLE  
129 - IOWA  
N41°45'-W94°30'/15  
DIAGRAM NK 15-7  
OMAHA



US•&GS VERTICAL CONTROL DATA

A. Quadrangle 410944

129 C

LINE 1

FEET

P. J. Hohenberger, 1969; Book CV 2338

GLIDDEN QUAD. - 154

- 4 60 4.0 Reference mark, about 450 ft S. of B.M., 250 ft N., 14 ft E. and 2.8 ft lower than T-rd. W., on top, near center of E. headwall of a concrete culvert; a chiseled square 1215.83
- 61 4.0 Glidden, Carroll County, 2.85 mi S. of; T. 83 N., R. 33 W., near the N. sixteenth cor. between secs. 7 and 8, 700 ft N. of T-rd. W., 93 ft N., 38 ft E. and 1.9 ft lower than rd. at drive E., 30 ft N. and 82 ft W. of NW. corner of a farmhouse, 67 ft N. and 7.0 ft W. of a 2.0-ft diameter spruce tree, 55.5 ft N. of a power pole, painted "B.M.", 3.5 ft S. and 1.0 ft W. of a T-fence E., 3.0 ft N. of a witness sign; a standard tablet crimped to a copper rod stamped "46 PJH 1969" 1213.121
- 61 4.5 UE 46 PJH A, about 0.65 mi S. along paved rd. from B.M., 1.0 ft E. of center of T-rd. E., set flush with pavement; a spike probably denoting section corner 1255.30
- COON RAPIDS QUAD. - 129
- 62 5.6 UE 46 PJH B, about 1.7 mi S. along paved rd. from B.M., 495 ft S., 23 ft E. and 5.8 ft lower than crossroads, on top, in center of E. headwall of a concrete box culvert; a chiseled square 1242.22
- 63 6.0 UE 46 PJH C, about 2.1 mi S. along paved rd. from B.M., set flush with pavement at center of T-rd. E.; a rail spike 1232.36
- 64 7.1 Glidden, Carroll County, 6.15 mi S. along paved rd. from; T. 83 N., R. 33 W., near quarter cor. between secs. 29 and 30, at the top of a hill, 750 ft S. of crossroads, 4.0 ft S. and 39 ft W. of rd. at drive E. to farmhouse, 209 ft N. of drive W. to farmhouse, 127 ft N. and 1.3 ft E. of a fence corner N.-W., 54 ft S. of a T-fence W., 58 ft S. of a power pole painted "B.M.", 6.0 ft N. of a T-fence W., 2.0 ft N. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "47 PJH 1969" 1270.393
- 65 7.1 Reference mark, 750 ft N. of B.M., at center of T-rd. W. at offset crossroads, set flush with pavement; a rail spike 1259.70
- 65 8.3 UE 47 PJH A, about 1.0 mi W. of B.M., along gravel rd., 254 ft N., 257 ft E. and 26.0 ft lower than T-rd. S., 33 ft E. of SE. corner of metal barn, on top of SW. corner of octagonal concrete base for corn crib and projecting 0.5 ft; a chiseled square 1192.94
- 66 8.8 UE 47 PJH B, about 1.0 mi W., thence 0.5 mi S. along gravel rd. from B.M., 13 ft N., 14 ft W. and 0.6 ft lower than center of a small wooden bridge, set flush with top of a cut-off power pole used as bridge piling; a rail spike 1187.22
- 67 9.9 Glidden, Carroll County, 7.5 mi S. and 1.0 mi W. of center of; Tps. 82 and 83 N., Rs. 33 and 34 W., at cor. secs. 1, 6, 31 and 36, near NE. corner of Carrollton, 119.5 ft N., 28 ft W. and 0.8 ft lower than T-rd. N. (NE.-SW. rd. at rd. N.), 47 ft N. and 120.5 ft E. of NE. corner of an old brick school, 96 ft N. and 1.0 ft E. of corner of a wooden fence surrounding school, 57 ft N. of center of a gate, 14 ft S. of a T-fence W., 12.5 ft S. and 18 ft E. of nearest tree, 2.5 ft N. of a witness sign; a standard tablet crimped to a copper rod, stamped "48 PJH 1969" 1214.535
- 68 9.9 Reference mark, 138.5 ft SW. of B.M., at the front entrance to abandoned school, at the SE. corner of the N. pedestal; a chiseled square 1221.73
- 68 10.5 UE 48 PJH A, about 0.75 mi generally S. along gravel rd. from B.M., T. 82 N., Rs. 33 and 34 W., near quarter cor. between secs. 1 and 6, about 0.2 mi S. of a right angle curve in rd., 13 ft W. and 0.2 ft higher than rd., on top, in center of W. headwall of a concrete box culvert; a chiseled square 1205.80

| <u>LINE 1 (Cont'd)</u>         |      | <u>COON RAPIDS QUAD. - 129</u>                                                                                                                                                                                                                                                                                                                                                                                                                                       | <u>FEET</u> |
|--------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 4 69                           | 11.1 | UE 48 PJH B, about 1.3 mi generally S. along gravel rd. from B.M., T. 82 N., R. 33 W., near the SW. cor. sec. 6, 11 ft E. and 2.3 ft higher than rd., on top, in center of E. headwall of a concrete bridge; a chiseled cross                                                                                                                                                                                                                                        | 1174.76     |
| 70                             | 11.8 | UE 48 PJH C, about 2.0 mi generally S. along gravel rd. from B.M., T. 82 N., R. 33 W., about 0.25 mi W. of the center of sec. 7, 22 ft S., 28 ft E. and 0.8 ft lower than T-rd. N., on top of S. end of a 3.0 ft cement pipe culvert; a chiseled cross                                                                                                                                                                                                               | 1200.72     |
| 71                             | 12.6 | UE 48 PJH D, about 2.0 mi generally S. along gravel rd. from B.M., thence 0.8 mi W. along gravel rd., at NW. corner of large steel bridge across middle Raccoon River, 8.0 ft N. and 0.6 ft higher than rd. at W. end of bridge, 1.5 ft E. of W. end of wooden curb; top of an iron bolt                                                                                                                                                                             | 1169.10     |
| <u>DEDHAM QUAD. - 130</u>      |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |
| 4 72                           | 13.0 | Dedham, Carroll County, 1.25 mi N. and 3.0 mi E. of; T. 82 N., R. 34 W., at the S. sixteenth cor. between secs. 11 and 12, 41 ft S., 232 ft E. and 2.3 ft lower than T-rd. E., 1.0 ft N. and 189 ft E. of a fence corner S.-E., 7.0 ft W. of a power pole, 2.5 ft E. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "49 PJH 1969"                                                                                                   | 1209.474    |
| 73                             | 13.5 | UE 49 PJH A, about 0.5 mi S. along gravel rd. from B.M., near NE. cor. of a long wooden bridge, 298 ft N., 8.5 ft E. and 1.7 ft higher than T-rd. W., 7.0 ft S. of N. end of bridge, on wooden curb; top of second bolt S. of N. end of bridge                                                                                                                                                                                                                       | 1180.90     |
| 74                             | 14.0 | UE 49 PJH B, about 1.0 mi S. along gravel rd. from B.M., at center of a wooden bridge                                                                                                                                                                                                                                                                                                                                                                                | 1191.8      |
| 75                             | 14.5 | UE 49 PJH C, about 1.5 mi S. along gravel rd. from B.M., 186 ft N., 19 ft E. and 8.2 ft lower than center of rd. underpass, on top, in center of SE. wingwall of a concrete culvert; a chiseled square                                                                                                                                                                                                                                                               | 1240.52     |
| 76                             | 14.9 | UE 49 PJH D, about 1.85 mi S. along gravel rd. from B.M., 22 ft S., 41 ft W. and 1.9 ft lower than T-rd. W., on top of S. end of a 3.0 ft corrugated pipe culvert; a punch mark and painted square                                                                                                                                                                                                                                                                   | 1309.88     |
| 77                             | 15.4 | Reference Mark No. 2 for Triangulation Station REYNOLDS; NNW. of the station, 1 ft S. of fence, 68 ft ENE. of the NE. corner of dwelling, 48 ft NNW. of well; flush with top of ground                                                                                                                                                                                                                                                                               | 1374.089    |
| 77                             | 15.4 | Reference Mark No. 1 for Triangulation Station REYNOLDS; WSW. of the station, 6 in. N. of fence, 42 ft S. of the SE. corner of dwelling; flush with the top of the ground                                                                                                                                                                                                                                                                                            | 1373.288    |
| <u>COON RAPIDS QUAD. - 129</u> |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |
| 78                             | 16.3 | UE Reynolds A, about 0.9 mi E. of B.M., along gravel rd., 20 ft N., 22 ft W. and 0.5 ft higher than crossroads, on top, in center of NW. headwall of a concrete culvert; a chiseled square                                                                                                                                                                                                                                                                           | 1253.51     |
| 79                             | 17.8 | Reference mark, 112 ft WNW. of B.M., 48.5 ft S. and 73.5 ft E. of crossroads, on top of E. end of S. headwall of a concrete box culvert; a chiseled square                                                                                                                                                                                                                                                                                                           | 1348.56     |
| 80                             | 18.4 | Dedham, Carroll County, 2.0 mi S. and 4.0 mi E. of, T. 82 N., Rs. 33 and 34 W., near cor. secs. 25, 30, 31 and 36, 89 ft S., 176 ft E. and 1.4 ft higher than crossroads (State Hwy. 141 and N.-S. gravel rd.) 1.0 ft N. and 147 ft E. of a right-of-way fence corner S. and E., 7.0 ft W. of a power pole painted "B.M.", 4.5 ft E. of a wooden fence post, 1.5 ft E. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "50 PJH 1969" | 1351.942    |

LINE 1 (Cont'd)

COON RAPIDS QUAD. - 129

FEET

- |   |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
|---|----|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 4 | 80 | 18.4 | UE 50 PJH A, about 1.0 mi S. along gravel rd. from B.M., 24 ft N., 18 ft E. and 1.0 ft lower than crossroads, on top of N. end of a 2.5 ft cement pipe culvert; a chiseled square                                                                                                                                                                                                                                                                                                                                                     | 1208.73  |
| 5 | 20 | 18.8 | UE 50 PJH B, about 1.4 mi S. along gravel rd. from B.M., 4.0 ft N., 12 ft W. and 0.2 ft higher than rd. at N. end of a long steel and wooden bridge, set flush with top of a cut-off power pole used as a bridge piling; a rail spike                                                                                                                                                                                                                                                                                                 | 1198.33  |
|   | 21 | 19.4 | UE 50 PJH C, about 2.0 mi S. along gravel rd. from B.M., 22 ft S., 30 ft W. and 4.3 ft lower than crossroads, on top of S. end of a 2.5 ft corrugated pipe culvert; a punch mark and painted square                                                                                                                                                                                                                                                                                                                                   | 1205.34  |
|   | 23 | 20.0 | Dedham, Carroll County, 4.7 mi S. and 4.0 mi E. of; T. 81 N., Rs. 33 and 34 W., near the S. sixteenth cor. between secs. 7 and 12, 1700 ft N. of crossroads, 154 ft N., 29 ft E. and 9.5 ft higher than rd. at drive E. to farmhouse, 77 ft N. and 34 ft W. of NW. corner of a farmhouse, 26 ft S. of a T-fence E., 10.5 ft N. and 1.0 ft W. of a fence corner N.-E., 5.5 ft N. and 2.0 ft W. of a power pole painted "B.M.", 2.5 ft S. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "51 PJH 1969" | 1339.055 |
|   | 24 | 20.3 | UE 51 PJH A, about 0.3 mi S. along gravel rd. from B.M., 43 ft N., 35 ft E. and 4.6 ft lower than crossroads, in SW. base of a fence corner post and projecting 0.5 ft; a rail spike                                                                                                                                                                                                                                                                                                                                                  | 1355.88  |
|   | 25 | 20.8 | UE 51 PJH B, about 0.75 mi S. along gravel rd. from B.M., 19 ft S., 12 ft E. and 2.1 ft lower than center of small bridge, set flush with top of a cut-off power pole used as a bridge piling; a rail spike                                                                                                                                                                                                                                                                                                                           | 1283.60  |
|   | 26 | 21.4 | UE 51 PJH C, about 1.3 mi S. along gravel rd. from B.M., 22 ft N., 35 ft E. and 5.7 ft lower than T-rd. W., in SW. base of a fence corner post projecting 0.5 ft; a rail spike                                                                                                                                                                                                                                                                                                                                                        | 1343.32  |
|   | 27 | 22.3 | UE 51 PJH D, about 2.3 mi S. along gravel rd. from B.M., at center of T-rd. W. (gravel)                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1290.0   |
|   | 28 | 22.5 | Dedham, Carroll County, 7.1 mi S. and 4.0 mi E. of; Audubon, Audubon County, 5.9 mi N. and 9.5 mi E. of; T. 81 N., Rs. 33 and 34 W., near the NW. cor. sec. 30, 520 ft S. of a T-rd. W., 57 ft S., 35 ft E. and 3.6 ft lower than rd. at drive E. to farmhouse, 38 ft S. of a power pole painted "B.M.", 36 ft S. and 1.25 ft W. of a fence corner S.-E., 2.25 ft N. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "52 PJH 1969"                                                                    | 1262.113 |
|   | 28 | 22.5 | Reference mark, 340 ft S. of B.M., 36 ft N. and 12 ft W. of center of a small wooden bridge, set flush with top of a cut-off power pole used as a bridge piling; a rail spike                                                                                                                                                                                                                                                                                                                                                         | 1263.83  |
|   | 29 | 23.4 | UE 52 PJH A, about 0.9 mi S. along gravel rd. from B.M., 10 ft S., 108 ft E. and 0.5 ft higher than crossroads, 1.25 ft E. of SW. end of bridge, top of N. bolt fastening angle-iron to bridge                                                                                                                                                                                                                                                                                                                                        | 1278.09  |
|   | 30 | 24.7 | UE 52 PJH B, about 2.2 mi S. along gravel rd. from B.M., about 1000 ft N. of a farmhouse, on the E. side of rd., 25.5 ft W. and 2.5 ft lower than rd., on top of W. end of a 5.0 ft corrugated pipe culvert; a punch mark and painted square                                                                                                                                                                                                                                                                                          | 1342.86  |
|   | 31 | 25.0 | UE 52 PJH C, about 2.5 mi S. along gravel rd. from B.M., at center of a T-rd. E. (gravel)                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1366.6   |
|   | 32 | 25.5 | Reference mark, 530 ft E. of B.M., 28 ft N., 63 ft W. and 0.9 ft lower than crossroads, on top of E. end of a 1.5 ft corrugated pipe culvert; a punch mark and painted square                                                                                                                                                                                                                                                                                                                                                         | 1408.09  |

LINE 1 (Cont'd)

COON RAPIDS QUAD. - 129

FEET

- 5 33 26.1 Audubon, 3.0 mi N. and 9.5 mi E. of; near cor. secs 1, 6, 7 and 12; T. 80 N., Rs. 33 and 34 W., 580 ft W. and 36 ft N. of crossroad, 26 ft E. of private drive to farmyard, 1 ft N. and 1 ft W. of SW. fence corner of yard, in concrete post; standard tablet stamped "TT 26 LB 1956" (May be "TT 27 LB 1956" and incorrectly identified as "TT 26 LB 1956") 1443.346

CASEY QUAD. - 104

- 34 26.6 UE 27 LB A, about 1.0 mi S. along gravel rd. from B.M., 27 ft S., 193 ft E. and 9.8 ft lower than crossroads, on top of S. end of a 2.5 ft corrugated pipe culvert; a punch mark and painted square 1426.94
- 35 27.6 Audubon, 0.75 mi N. and 9.5 mi E. of, T. 80 N., Rs. 33 and 34 W., near cor. secs. 13, 18, 19 and 24, 144 ft N. and 30 ft W. of T-rd. N., on county line between Audubon and Guthrie Counties, 1 ft W. of telephone pole, and 1 ft E. of fence, in concrete post; standard tablet stamped "5 LB 1956" 1371.953

LINE 2

P. J. Hohenberger, 1969; Book CV 2338

GLIDDEN QUAD. - 154

- 5 37 0.0 Ralston, Carroll County, 1.8 mi W. along the Chicago & North Western RR. from the station at; 200 ft E. of a rd. crossing, at Bridge 780, at the N. end of the W. concrete abutment, in the top step, 7 ft N. of the center of the N. track, and about 1 ft lower than the track; USC&GS standard disk stamped "S 89 1935" 1173.108
- 37 0.8 UE S 89 A, about 0.8 mi S. along gravel rd. from B.M., about 400 ft N. of a farmhouse E. of rd., 14 ft W. and 0.5 ft lower than rd., on top, in center of W. headwall of a concrete box culvert; a chiseled square 1151.98
- 38 2.0 UE S 89 B, about 2.0 mi S. along gravel rd. from B.M., 13 ft S., 500 ft E. and 2.0 ft lower than crossroads, 21 ft SW. of center of small wooden bridge, set flush with top of a cut-off power pole used as bridge piling; a rail spike 1144.52
- 39 2.7 Scranton, Green County, 5.15 mi W. along gravel rd. from center of; T. 83 N., R. 33 W., near the SE. cor. sec. 2, 610 ft W. of crossroads, 35 ft N., 46 ft E. and 0.1 ft higher than rd. at drive N. to farm buildings, 1.25 ft N. and 55.5 ft W. of a T-fence N., 36 ft S. and 55 ft W. of a 2.0-ft diameter yellow pine tree, 2.0 ft S. and 23 ft E. of a 3.0 ft diameter oak tree, 1.5 ft S. and 5.5 ft E. of a power pole painted "B.M.", 1.25 ft W. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "53 PJH 1969" (NOTE: B.M. is 12.1 ft higher than crossroads) 1196.300
- 40 3.3 UE 53 PJH A, about 0.65 mi E. along gravel rd. from B.M., 13 ft S., and 0.1 ft higher than rd., on top, in center of S. headwall of a concrete box culvert; a chiseled square 1135.07
- 40 4.0 UE 53 PJH B, about 1.15 mi E. along gravel rd. thence 0.15 mi S. along concrete rd. from B.M., 750 ft S., 14.5 ft E. and 0.4 ft lower than crossroads, on top near center of a concrete culvert; a chiseled square 1115.64

COON RAPIDS QUAD. - 129

- 41 4.9 UE 53 PJH C, about 1.15 mi E. along gravel rd., thence 1.0 mi S. along concrete rd. from B.M., at center of crossroads; a chiseled square 1160.94
- 42 5.8 UE 53 PJH D, about 1.15 mi E. along gravel rd. thence 2.0 mi S. along concrete rd. from B.M.; at center of crossroads, set flush with pavement between separation of blacktop and concrete; a rail spike 1173.13

| LINE 2 (Cont'd) | COON RAPIDS QUAD. - 129                                                                                                                                                                                                                                                                                                                                                                                                                                             | FEET     |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 5 42 6.1        | Scranton, Greene County, 2.0 mi S. and 4.0 mi W. of center of; T. 83 N., R. 33 W., near the SE. cor. sec. 13, about 630 ft W. of crossroads, 42 ft N. and 107 ft E. of rd. at drive N., 126 ft S. and 28.5 ft E. of SE. corner of farmhouse, 23 ft S. and 8.0 ft E. of a small spruce tree, 5.0 ft N. and 1.25 ft W. of a fence corner N.-E., 5.5 ft N. and 3.5 ft W. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "54 PJH 1969" | 1173.653 |
| 43 7.1          | UE 54 PJH A, about 1.0 mi S. along paved rd. from B.M., at center of rd. at section line fence W., set flush with pavement; a rail spike                                                                                                                                                                                                                                                                                                                            | 1126.46  |
| 44 7.8          | UE 54 PJH B, about 1.75 mi S. along paved rd. from B.M., at SW. corner of a small concrete bridge, 14.5 ft W. and 0.6 ft higher than rd. at S. end of W. concrete curb; a chiseled square                                                                                                                                                                                                                                                                           | 1117.07  |
| 45 8.0          | UE 54 PJH C, about 2.0 mi S. along paved rd. from B.M., at center of crossroads (paved)                                                                                                                                                                                                                                                                                                                                                                             | 1115.6   |
| 46 9.2          | Scranton, Greene County, 5.1 mi S. and 4.0 mi W. of center of; T. 82 N., R. 32 W., near the NW. cor. sec. 6, 337 ft S, 50 ft E. and 2.8 ft higher than T-rd. W., 55 ft S. of rd. at drive E., 83.5 ft S. and 124.5 ft W. of SW. corner of farmhouse, 1.25 ft N. and 5.0 ft E. of a fence corner S.-E.; 27 ft W. of a tree, 1.0 ft W. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "55 PJH 1969"                                  | 1146.865 |
| 46 9.2          | Reference mark, 141 ft ENE. of B.M., 27 ft S. and 16.5 ft E. of SW. corner of farmhouse, 5.0 ft N. of W. corner of S. end of a sidewalk leading from house; a chiseled square                                                                                                                                                                                                                                                                                       | 1151.42  |
| 47 10.2         | UE 55 PJH A, about 0.95 mi S. along paved rd. from B.M., at center of crossroads (W.-gravel St., E.-concrete, N.-blacktop); a chiseled square                                                                                                                                                                                                                                                                                                                       | 1169.49  |
| 48 11.2         | UE 55 PJH B, about 1.95 mi S. along paved and concrete rd. from B.M., at center of crossroads; a chiseled square                                                                                                                                                                                                                                                                                                                                                    | 1215.40  |
| 48 12.0         | Scranton, Greene County, 7.8 mi S. and 4.0 mi W. of center of; T. 82 N., R. 32 W., near the S. sixteenth cor. between secs. 13 and 18, 0.27 mi N. of crossroads, 130 ft N., 44 ft E. and 2.3 ft lower than rd. at drive E. to farmhouse, 119 ft N. and 1.5 ft W. of a fence corner N. and E., 9.0 ft S. and 2.5 ft W. of a power pole painted "B.M.", 1.5 ft N. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "56 PJH 1969"       | 1192.747 |
| 49 12.3         | Reference mark, 1430 ft S. of B.M., at center of crossroads, set flush with pavement, top of a hex-head bolt probably denoting section corner                                                                                                                                                                                                                                                                                                                       | 1204.82  |
| 49 13.2         | UE 56 PJH A, about 1.3 mi S. along concrete rd. from B.M., 22 ft S., 30.5 ft W. and 1.5 ft lower than crossroads, on top of S. end of a 2.5 ft cement pipe culvert; a chiseled square                                                                                                                                                                                                                                                                               | 1156.79  |
| 50 13.9         | UE 56 PJH B, about 2.0 mi S. along concrete rd. from B.M., at NW. corner of a small bridge, on top of N. end of W. concrete curb; a chiseled square                                                                                                                                                                                                                                                                                                                 | 1116.93  |
| 51 14.2         | UE 56 PJH C, about 2.3 mi S. along concrete rd. from B.M., at center of crossroads (E.-W. blacktop, Concrete N., Gravel S.)                                                                                                                                                                                                                                                                                                                                         | 1122.7   |
| 51 14.8         | UE 56 PJH D, about 2.8 mi S. along concrete and gravel rd. from B.M., 30 ft S., 34 ft W. and 0.3 ft higher than T-rd. W., at high point of a granite boulder embedded in ground and projecting 0.8 ft above ground                                                                                                                                                                                                                                                  | 1193.85  |

| LINE 2 (Cont'd)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | COON RAPIDS QUAD. - 129 | FEET     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------|
| 5 52 15.5 Coon Rapids, Carroll County, 0.7 mi S. and 2.5 mi E. of center of; T. 81 N., R. 33 W., near the NE. cor. sec. 1, 30 ft S., 39 ft W. and 3.9 ft lower than rd. at drive W. to farmhouse, 10 ft S. and 72 ft E. of NE. corner of a large metal barn, 9.0 ft S. and 10.5 ft W. of S. end of a 3.0 ft corrugated pipe culvert, 7.0 ft S. and 1.0 ft E. of a small pine tree, 14 ft N. and 1.0 ft E. of a small pine tree, 3.5 ft W. of a right-of-way fence, 1.5 ft N. of a witness sign; a standard tablet crimped to the top of a copper rod, stamped "59 PJH 1969" |                         | 1141.654 |
| 53 15.6 Reference mark, 630 ft S. of B.M., at a RR. overpass, at E. end of N. headwall; a chiseled square                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         | 1135.18  |
| 53 16.2 UE 59 PJH A, about 0.7 mi S. along gravel rd. from B.M., 53.5 ft S., 233 ft W. and 12.9 ft lower than crossroads (State Hwy. 141 and N.-S. gravel rd.) on top of S. end of a 2.0 ft cement pipe culvert; a chiseled square                                                                                                                                                                                                                                                                                                                                          |                         | 1166.60  |
| 54 17.2 UE 59 PJH B, about 1.7 mi S. along gravel rd. from B.M., near cor. secs. 7, 12, 13 and 18, 20 ft N., 20 ft E. and 3.4 ft lower than old T-rd. E., on top of E. end of a 2.0 ft corrugated pipe culvert; a punched hole and painted square                                                                                                                                                                                                                                                                                                                           |                         | 1204.90  |
| 55 17.7 UE 59 PJH C, about 2.2 mi S. along gravel rd. from B.M., 29 ft N., 34 ft E. and 1.0 ft lower than crossroads, on top of W. end of a 1.5 ft corrugated pipe culvert; a punch mark and painted square                                                                                                                                                                                                                                                                                                                                                                 |                         | 1275.27  |
| 56 18.4 Coon Rapids, Carroll County, 3.0 mi S. and 1.75 mi E. of center of; T. 81 N., R. 33 W., at the center of the $W\frac{1}{2}$ sec. 13, 35 ft N., 413 ft E. and 7.0 ft higher than T-rd. E., 128 ft E. of extended center of drive S. to farmhouse, at the SE. corner of a shelter belt, 2.5 ft S. and 31 ft E. of a small evergreen tree, 2.75 ft N. and 1.0 ft W. of a short T-fence N., 1.5 ft E. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "58 PJH 1969"                                                                     |                         | 1286.421 |
| 57 18.4 Reference mark, 193.5 ft SW. of B.M., at NW. cor. of W. end of a sidewalk leading E. to farmhouse, 53 ft W. of center of W. face of house; a chiseled square                                                                                                                                                                                                                                                                                                                                                                                                        |                         | 1288.05  |
| 57 19.2 UE 58 PJH A, about 0.8 mi generally S. along gravel rd. from B.M., 11 ft W. and 2.9 ft higher than rd., on top, in center of NW. wingwall of a long concrete bridge across Middle Raccoon River; a chiseled square                                                                                                                                                                                                                                                                                                                                                  |                         | 1129.07  |
| 58 20.0 UE 58 PJH B, about 1.6 mi S. along gravel rd. from B.M., 900 ft N. of a T-rd. W., 28 ft W. and 6.5 ft lower than rd., on top of W. end of a 2.5 ft cement pipe culvert; a chiseled square                                                                                                                                                                                                                                                                                                                                                                           |                         | 1266.87  |
| 59 20.2 UE 58 PJH C, about 1.8 mi generally S. along gravel rd. from B.M., at center of T-rd. W. (gravel) cor. secs. 23, 24, 25 and 26                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         | 1302.9   |
| 59 20.3 UE 58 PJH CC, about 1.9 mi generally S. along gravel rd. from B.M.; center of T-rd. E.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                         | 1307.1   |
| 59 21.3 UE 58 PJH D, about 2.8 mi generally S. along gravel rd. from B.M., cor. secs. 25, 26, 35 and 36, 18 ft N., 470 ft E. and 6.6 ft lower than T-rd. N., on top of W. end of W. headwall of a concrete box culvert; a chiseled square                                                                                                                                                                                                                                                                                                                                   |                         | 1191.92  |
| 60 21.7 UE 58 PJH E, about 2.8 mi generally S. thence 0.5 mi E. along gravel rd. from B.M., 21 ft S., 29 ft E. and 2.7 ft lower than crossroads, on top of S. end of a 1.5 ft corrugated pipe culvert; a punched hole and painted square                                                                                                                                                                                                                                                                                                                                    |                         | 1285.22  |

| <u>LINE 2 (Cont'd)</u> |      | <u>COON RAPIDS QUAD. - 129</u>                                                                                                                                                                                                                                                                                                                                                        | <u>FEET</u> |
|------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 5 61                   | 22.1 | USC&GS Triangulation Station BETTS 1930; about 10.0 mi NW. of Guthrie Center and 5.5 mi SE. of Coon Rapids, on land owned and occupied by C. F. Betts, in a hog orchard, 27 ft S. of the fence line on the S. side of the rd. 446 ft W. of the township line between Orange and Highland Townships, on the N. side of the NE. 40 of the NE $\frac{1}{4}$ sec. 36, T. 81 N., R. 33 W., | 1307.358    |
| 62                     | 23.0 | UE BETTS A, about 0.4 mi W., thence 0.85 mi S. along gravel rd. from B.M., 690 ft N. and 19.0 ft lower than T-rd. E., 12 ft W. and 3.1 ft higher than rd., on top, in center of SW. wingwall of a long concrete bridge across Brushy Creek; a chiseled square                                                                                                                         | 1148.67     |
| 63                     | 23.8 | UE BETTS B, about 0.4 mi W., thence 1.7 mi S. along gravel rd. from B.M., 36 ft W. and 0.6 ft higher than rd., at the E. end of a square concrete slab in front yard of Duane Herron residence (part of old sidewalk), in the center of the letter "O" in Oct. written on concrete slab                                                                                               | 1297.33     |
| 64                     | 24.4 | UE BETTS BB, about 0.4 mi W., thence 2.3 mi S. along gravel rd. from B.M., at center of T-rd. W. (gravel)                                                                                                                                                                                                                                                                             | 1231.7      |
| 64                     | 24.8 | UE BETTS C, about 0.4 mi W., thence 2.7 mi S. along gravel rd. from B.M.; 600 ft S., 12 ft W. and 0.7 ft higher than T-rd. E., 2.7 ft higher than N. end of bridge, on top, in center of NW. wingwall of a long concrete bridge across S. Raccoon River; a chiseled square                                                                                                            | 1171.03     |
| 65                     | 25.3 | Reference mark, 446 ft WSW. of B.M., 22 ft S. of rd., on top of E. end of S. headwall of a concrete box culvert; a chiseled square                                                                                                                                                                                                                                                    | 1164.76     |

CASEY QUAD. - 104

|    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
|----|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 66 | 25.3 | Coon Rapids, Carroll County, 8.0 mi S. and 2.5 mi E. of center of; T. 80 N., R. 32 W., near the W $\frac{1}{4}$ cor. sec. 7, 38 ft N., 72 ft W. and 4.0 ft lower than T-rd. SE. at field entrance N., 18 ft E. of afield entrance N., 1.5 ft S. and 9.0 ft E. of a power pole, painted "B.M.", 1.0 ft S. and 3.5 ft E. of a T-fence N., 1.5 ft W. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "60 PJH 1969" | 1172.143 |
| 66 | 26.5 | UE 60 PJH A, about 0.7 mi SE. along gravel rd. from B.M., 11 ft NW., 29 ft NE. and 1.3 ft lower than rd. at field entrance NE., on top of NW. end of a 1.5 ft corrugated pipe culvert; a punched hole and painted square                                                                                                                                                                                                                        | 1201.35  |
| 67 | 27.0 | UE 60 PJH B, about 1.8 mi SE. along gravel rd. from B.M., 66 ft N., 46 ft W. and 1.2 ft lower than T-rd. N., on top of NW. end of NE. headwall of a concrete box culvert; a chiseled square                                                                                                                                                                                                                                                     | 1145.27  |

LINE 3

P. J. Hohenberger, 1969; Book CV 2338

GLIDDEN QUAD. - 154

|      |     |                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
|------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 5 75 | 0.0 | UE S 89 B (described in Line 2)                                                                                                                                                                                                                                                                                                                                                                                                  | 1144.52  |
| 75   | 1.1 | UE S 89 C, about 1.0 mi S. along gravel rd. from UE S 89 B, 31 ft N., 24 ft E. and 1.9 ft lower than crossroads, on top of E. end of a 3.5 ft corrugated pipe culvert; a punch mark and painted square                                                                                                                                                                                                                           | 1138.62  |
| 76   | 2.0 | Glidden, Carroll County, 3.5 mi S. and 2.0 mi E. of; T. 83 N., R. 33 W., near the NE. cor. sec. 16, 341 ft S., 42 ft W. and 4.5 ft higher than crossroads, 18 ft S. of adrive W., 66.5 ft SE. of SE. corner of a farmhouse, 7.0 ft S. and 1.5 ft E. of a fence corner S.-W., 3.75 ft S. of a power pole painted "B.M.", 1.5 ft N. of a witness sign; a standard tablet crimped to the top of a copper rod, stamped "57 PJH 1969" | 1207.250 |

LINE 3 (Cont'd)

COON RAPIDS QUAD. - 129

FEET

- 5 77 2.3 Reference mark, about 0.3 mi W. along gravel rd. from B.M., 15 ft N. and 0.2 ft lower than rd., top of E. end of N. headwall (18 ft in length) of a concrete culvert; a chiseled square, painted "UE" 1206.22
- 77 3.1 UE 57 PJH A, about 1.0 mi W. from B.M. along gravel rd., 43 ft N., 15 ft E. and 2.3 ft lower than crossroads, on top of E. end of a 3.0 ft corrugated pipe culvert; a punch mark and painted square 1237.04
- 78 4.1 UE 46 PJH A (described in Line 1) 1255.30

LINE 4

P. J. Hohenberger, 1969; Book CV 2338

PANORA QUAD. - 103

- 6 6 4.3 UE 63 PJH B, about 1.3 mi N. along State Hwy. 25 from B.M., 29 ft N., 48 ft W. and 1.5 ft lower than T-rd. NW., on top of N. end of a 4.0 ft cement pipe culvert; a chiseled square 1107.23
- 7 5.2 UE 63 PJH C, 200 ft S. and 10.3 ft lower than T-rd. E., T. 80 N., R. 31 W., at the NE. cor. sec. 18, on W. side of Hwy. 25, on top, in center of W. headwall of a concrete culvert; an I. H. C. brass plug (elev. by USGS) 1173.75
- 8 5.7 UE 63 PJH D, about 2.8 mi N. along State Hwy. 25 from B.M., at quarter cor. between secs. 7 and 8, 300 ft S., 34 ft E., 5.8 ft higher than T-rd. W., top, in center of E. headwall of a concrete culvert; an I. H. C. brass plug (Elev. by USGS) 1157.13
- 8 6.5 UE 63 PJH E, 3.65 mi N. along Hwy. 25 from B.M., 120 ft N. and 4.2 ft higher than T-rd. W., on E. side of hwy., top of concrete culvert; an I. H. C. brass plug (elev. by USGS) 1196.90

BAGLEY QUAD. - 128

- 8 6.9 UE 63 PJH F, 3.95 mi N. along Hwy. 25 from B.M., 0.3 mi N. of UE 13 B, on W. side of hwy., top of concrete culvert; an I. H. C. brass plug (elev. by USGS) (NOTE: UE is 2.4 ft lower than hwy.) 1225.46
- 32 7.6 Guthrie Center, about 6.5 mi N. of; along State Hwy. 25, about 0.2 mi N. of cor. secs. 5, 6, 31 and 32, T. 81 N., R. 31 W., on N. end of bridge over Battle Run Creek, 12.5 ft W. of center of bridge, about 6 in. above bridge floor in NW. wingwall; standard tablet stamped "13 JDF 1953" 1069.328
- 33 7.7 UE 13 JDF AA, about 560 ft N. of B.M., at center of T-rd. W. (paved) a painted square 1082.31
- 33 8.0 UE 13 JDF A, about 0.4 mi N. along State Hwy. 25 from B.M., 350 ft S., 23 ft E. and 20.5 ft lower than T-rd. E., on top, in center of E. headwall of a concrete culvert; an I. H. C. brass plug (elev. by USGS) 1155.90
- 34 8.4 UE 13 JDF B, about 0.8 mi N. along State Hwy. 25 from B.M., 110 ft S. and 0.2 ft higher than crossroads, on E. side of hwy., top, in center of E. headwall of a concrete culvert; an I. H. C. brass plug (elev. by USGS) 1187.17
- 35 8.9 UE 7 C, 1.5 mi S. along gravel rd., in center of concrete culvert on W. side of rd., top of brass bolt, Iowa Hwy. Commission 1231.80

LINE 5

P. J. Hohenberger, 1969; Book CV 2338

BAGLEY QUAD. - 128

- 6 9 0.0 Bagley, 4.0 mi N. and 3.0 mi W. of, 323 ft S. and 29 ft E. of crossroads, near cor. secs. 17, 18, 19 and 20, T. 82 N., R. 31 W., 1 ft E. of E. right-of-way fence, in concrete post; standard tablet stamped "TT 16 T 1953" 1184.304

LINE 5 (Cont'd)

BAGLEY QUAD. - 128

FEET

- |         |                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 6 9 1.1 | UE 16 A, about 1.0 mi S. along gravel rd. from B.M., 175 ft N., 18 ft W. and 3.2 ft lower than crossroads, on top of W. end of a 3.0 ft corrugated pipe culvert; a punched hole and a painted square (NOTE: culvert is slightly caved in at top)                                                                                                                                                                                         | 1172.98  |
| 10 2.1  | UE 16 B, about 2.0 mi S. along gravel rd. from B.M., 27 ft N., 23 ft W. and 0.5 ft lower than crossroads, on top of W. end of a 3.0-ft cement pipe culvert; a chiseled square                                                                                                                                                                                                                                                            | 1160.70  |
| 11 2.5  | UE 16 C, about 2.4 mi S. along gravel rd. from B.M., 19 ft W. and 0.5 ft lower (estimated) than rd., on top, in center of W. headwall of a concrete culvert; a chiseled square                                                                                                                                                                                                                                                           | 1150.13  |
| 12 3.1  | UE 16 D, about 3.0 mi S. along gravel rd. from B.M., 26 ft S., 24 ft W. and 2.4 ft lower than T-rd. E. at dim rd. W., on top of W. end of a 1.5 ft cement pipe culvert; a chiseled square                                                                                                                                                                                                                                                | 1145.85  |
| 13 3.5  | Reference mark, 170 ft N. and 15.5 ft E. of B.M., 15 ft S. and 25 ft W. of rd. at drive W., on top of S. end of a 1.5 ft cement pipe culvert; a chiseled square                                                                                                                                                                                                                                                                          | 1153.28  |
| 13 3.5  | Bagley, Guthrie County, 2.7 mi N. and 3.2 mi W. of; T. 82 N., R. 31 W., near the N. sixteenth cor. between secs. 29 and 30, 186 ft S., 37.5 ft W. and 0.2 ft higher than rd. at drive W., 91 ft S. and 61 ft E. of SE. corner of a farmhouse, 7.0 ft S. of a power pole painted "B.M.", 1.5 ft S. and 3.5 ft W. of a T-fence W., 4.0 ft W. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "62 PJH 1969" | 1155.590 |
| 14 4.2  | UE 62 PJH A, about 0.7 mi S. along gravel rd. from B.M., 32 ft S., 22.5 ft W. and 1.7 ft lower than crossroads, on top of W. end of a 2.0-ft cement pipe culvert; a chiseled square                                                                                                                                                                                                                                                      | 1154.50  |
| 15 5.3  | UE 62 PJH B, about 1.8 mi S. along gravel rd. from B.M., 710 ft S., 21 ft W. and 8.2 ft lower than crossroads, on top of W. end of a 2.0-ft corrugated pipe culvert; a punched hole and painted square                                                                                                                                                                                                                                   | 1130.50  |
| 16 5.9  | UE 62 PJH C, about 2.5 mi S. along gravel rd. from B.M., at grade crossing, top of N. rail at center of rd.                                                                                                                                                                                                                                                                                                                              | 1154.77  |
| 17 6.1  | UE 62 PJH D, about 2.7 mi S. along gravel rd. from B.M., at center of crossroads (concrete); a painted cross (State Hwys. 25 and 141)                                                                                                                                                                                                                                                                                                    | 1167.7   |
| 17 6.8  | UE 8 A, 0.5 mi S. along gravel rd., on W. side of rd., in W. end of concrete culvert; chiseled square                                                                                                                                                                                                                                                                                                                                    | 1140.03  |

LINE 6

J. D. Finch, 1953; Book CV 564

JEFFERSON QUAD. - 153

- |     |                                                                                                                                                                                                                                                                                                                                            |          |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 0.0 | Scranton, Greene County, 3.6 mi E. along the C. & NW. RR. from the station at; 30 ft E. of signal box 271, at a rd. crossing, 27 ft W. of the center of the rd., 12 ft S. of the center of the track, at the slope of a dump and 2 ft lower than the track; USC&GS standard disk stamped "J 89 1935" and set in the top of a concrete post | 1116.569 |
| 0.5 | UE J 89 A, 0.4 mi S. and 0.1 mi W. of, along U. S. Hwy. 30, on N. side, on NE. corner of a concrete culvert; chiseled square                                                                                                                                                                                                               | 1121.65  |
| 1.4 | UE J 89 B, 0.4 mi S. along dirt rd., thence 1.0 mi W. along U. S. Hwy. 30 from, at SE. corner of T-rd. S., on top of a cast iron drain cover for culvert; painted square                                                                                                                                                                   | 1142.0   |
| 1.9 | UE J 89 C, 0.4 mi S. along gravel rd., thence 1.0 mi W. along U. S. Hwy. 30, thence 0.5 mi S. along gravel rd. from, on E. side of rd., about 60 ft N. of T-fence W., in power pole; rail spike                                                                                                                                            | 1150.05  |

| <u>LINE 6 (Cont'd)</u>                                                                                                                                                                                                                                   | <u>BAGLEY QUAD. - 128</u> | <u>FEET</u> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|
| 2.5 Scranton, 2.0 mi S. and 3.0 mi E. of, 628 ft S. and 32 ft W. of crossroads, near cor. secs. 17, 18, 19 and 20, T. 83 N., R. 31 W., 1 ft E. of W. right-of-way fence, in concrete post; standard tablet stamped "TT 18 T 1953"                        |                           | 1161.456    |
| 2.5 Reference mark, 250 ft SE. of tablet, on E. side of rd., in power pole; rail spike                                                                                                                                                                   |                           | 1159.89     |
| 3.0 UE 18 A, 0.5 mi S. along gravel rd., on E. side of rd., in S. end of concrete culvert; chiseled square (reported not found)                                                                                                                          |                           | 1154.89     |
| 3.4 UE 18 B, 1.0 mi S. along gravel rd., at SE. corner of crossroads, in S. end of concrete pipe culvert; chiseled square                                                                                                                                |                           | 1145.89     |
| 4.0 UE 18 C, 1.5 mi S. along gravel rd., in center on W. side of a concrete bridge curb; about 6 in. above bridge floor; chiseled square                                                                                                                 |                           | 1132.81     |
| 4.3 Scranton, 4.0 mi S. and 3.0 mi E. of, 300 ft N. and 32 ft W. of crossroads, near cor. secs. 29, 30, 31 and 32, T. 83 N., R. 31 W., 6 ft N. of T-fence W., 2 ft W. of W. right-of-way fence, in concrete post; standard tablet stamped "TT 17 T 1953" |                           | 1148.986    |
| 4.4 Reference mark, about 500 ft S. of tablet, on E. side of rd., about 300 ft S. of crossroads, on N. end of concrete culvert; chiseled square                                                                                                          |                           | 1145.27     |
| 5.5 UE 17 A, 0.8 mi S. along gravel rd., on W. side of rd. at private drive W., on N. end of steel culvert; painted square                                                                                                                               |                           | 1171.4      |
| 5.8 UE 17 C, 1.4 mi S. along gravel rd., about 190 ft N. of T-fence E., on E. side and 4 ft lower than rd., on top of cast iron drain cover for culvert; painted square                                                                                  |                           | 1173.43     |
| 6.3 "TT 16 T 1953" (described in Line 5)                                                                                                                                                                                                                 |                           | 1184.304    |
| 6.3 Reference mark, 290 ft S. and 240 ft E. of tablet, 210 ft E. of crossroads, on S. side of rd., on S. end of concrete pipe culvert; chiseled square                                                                                                   |                           | 1186.93     |
| 6.9 UE 16 A, 0.6 mi S. along gravel rd., at E.-W. fence; center of rd.                                                                                                                                                                                   |                           | 1186.9      |
| 7.4 UE 16 B, 1.1 mi S. along gravel rd., on W. side of rd. about 6 in. higher than rd., N. of crossroads, in center of concrete culvert; chiseled square                                                                                                 |                           | 1174.2      |
| 7.8 UE 16 C, 1.6 mi S. along gravel rd., at E.-W. fence; center of rd.                                                                                                                                                                                   |                           | 1170.4      |
| 8.4 Bagley, 4.0 mi N. and 3.0 mi W. of, 323 ft S. and 29 ft E. of crossroads, near cor. secs. 17, 18, 19 and 20, T. 82 N., R. 31 W., 1 ft E. of E. right-of-way fence, in concrete post; standard tablet stamped "TT 15 T 1953"                          |                           | 1159.330    |
| 8.4 Reference mark, 380 ft NW. of tablet, 60 ft N. and 20 ft W. of crossroads                                                                                                                                                                            |                           | 1159.67     |
| 8.6 UE 15 A, 0.2 mi S. along gravel rd., on E. side of rd., about 6 in. above rd., in top of concrete culvert; chiseled square                                                                                                                           |                           | 1150.56     |
| 9.0 UE 15 B, 0.6 mi S. along gravel rd., on W. side of rd., in top of a concrete culvert; chiseled square                                                                                                                                                |                           | 1150.94     |
| 9.4 UE 15 C, 1.0 mi S. along gravel rd., 350 ft S. of crossroads, on E. side and 6 in. above rd., in top of concrete culvert; chiseled square                                                                                                            |                           | 1146.80     |
| 9.8 UE 15 D, 1.5 mi S. along gravel rd., on E. side and 2 ft lower than rd., on top of a cast iron drain cover for culvert; painted square                                                                                                               |                           | 1155.0      |
| 10.4 Bagley, 2.0 mi N. and 3.0 mi W. of, 500 ft S. and 31 ft W. of crossroads, near cor. secs. 29, 30, 31 and 32, T. 82 N., R. 31 W., 1 ft W. of W. right-of-way fence, in concrete post; standard tablet stamped "TT 9 T 1953"                          |                           | 1160.367    |

| <u>LINE 6 (Cont'd)</u>                                                                                                                                                                                                                                          | <u>BAGLEY QUAD. - 128</u> | <u>FEET</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|
| 10.4 Reference mark, 410 ft N. of tablet, on E. side of rd., 140 ft N. of crossroads, in top of concrete culvert; chiseled square                                                                                                                               |                           | 1151.92     |
| 10.9 UE 9 A, 0.6 mi S. along gravel rd., on W. side of rd. at private drive W., in S. end of concrete pipe culvert; chiseled square                                                                                                                             |                           | 1155.08     |
| 11.6 UE 9 B, 1.2 mi S. along gravel rd., on E. side of rd. at private drive E., on N. end of steel culvert; painted square                                                                                                                                      |                           | 1142.35     |
| 11.8 UE 9 C, 1.4 mi S. along gravel rd., on W. side of rd. at E.-W. fence, in N. end of concrete pipe culvert; chiseled square                                                                                                                                  |                           | 1140.80     |
| 12.2 UE 9 D, 1.7 mi S. along gravel rd., at N. rail at RR. crossing; center of rd.                                                                                                                                                                              |                           | 1154.3      |
| 12.5 Bagley, 3.0 mi W. of, 600 ft S. and 52 ft E. of crossroads at State Hwy. 141, near cor. secs. 5, 6, 7 and 8, T. 81 N., R. 31 W., 3 ft W. of E. right-of-way fence, in line with barn lot fence E., in concrete post; standard tablet stamped "TT 8 T 1953" |                           | 1169.226    |
| 12.5 Reference mark, 300 ft S. of tablet, on E. side of rd., in power pole; rail spike                                                                                                                                                                          |                           | 1158.47     |
| 13.0 UE 8 A, 0.5 mi S. along gravel rd., on W. side of rd., in W. end of concrete culvert; chiseled square                                                                                                                                                      |                           | 1140.03     |
| 13.3 UE 8 B, 0.8 mi S. along gravel rd., on W. side of rd., on NW. corner of crossroads, in W. end of concrete culvert; chiseled square                                                                                                                         |                           | 1132.07     |
| 13.9 UE 8 C, 1.4 mi S. along gravel rd., on W. side of rd., in W. end of concrete culvert; chiseled square                                                                                                                                                      |                           | 1133.48     |
| 14.4 Bagley, 2.0 mi S. and 3.0 mi W. of, 250 ft N. and 52 ft W. of crossroads, near cor. secs. 17, 18, 19 and 20, T. 81 N., R. 31 W., on W. right-of-way fence line, in concrete post; standard tablet stamped "TT 7 T 1953"                                    |                           | 1150.413    |
| 14.4 Reference mark, 300 ft SE. of tablet, on SE. corner of crossroad, in S. end of concrete culvert; chiseled square                                                                                                                                           |                           | 1149.85     |
| 14.9 UE 7 A, 0.5 mi S. along gravel rd., on E. side of rd., in E. end of concrete culvert; chiseled square                                                                                                                                                      |                           | 1179.62     |
| 15.3 UE 7 B, 1.0 mi S. along gravel rd., on NE. corner of crossroads, in E. end of concrete box culvert; chiseled square                                                                                                                                        |                           | 1191.24     |
| 15.8 UE 7 C, 1.5 mi S. along gravel rd., in center of concrete culvert on W. side of rd., top of brass bolt, Iowa Highway Commission                                                                                                                            |                           | 1231.8      |
| 16.8 UE 7 E, 2.5 mi S. along gravel rd., on E. side of rd., 350 ft S. of T-rd. E., on top of concrete culvert; brass bolt, Iowa Hwy. Commission BM                                                                                                              |                           | 1155.2      |
| 17.2 "13 JDF 1953" (described in Line 4)                                                                                                                                                                                                                        |                           | 1069.328    |
| 17.2 Reference mark, about 230 ft S. of tablet, on SE. wingwall of bridge; chiseled square                                                                                                                                                                      |                           | 1072.09     |