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THIRD ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

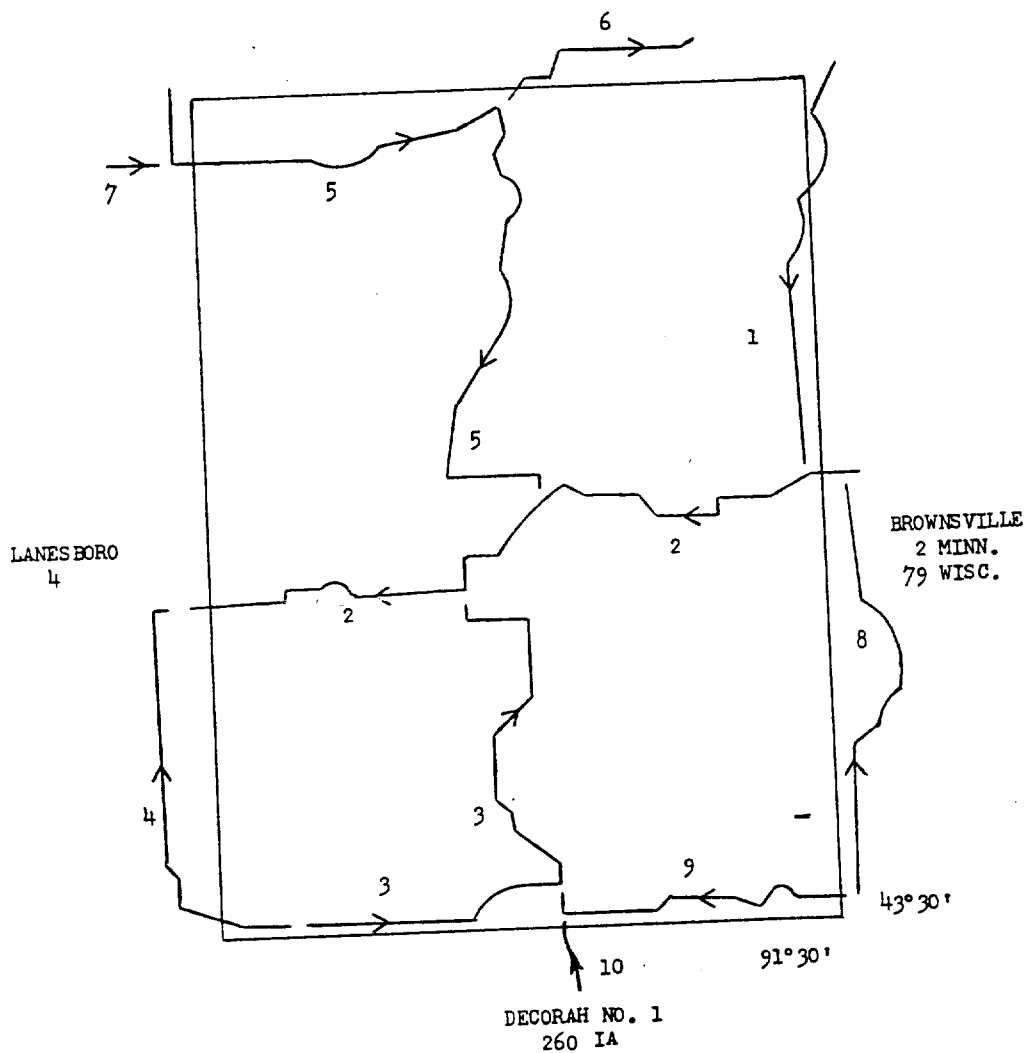
Houston County

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

43-091-42
SPRING GROVE QUADRANGLE
3 - MINNESOTA
N4330-W9130/15
DIAGRAM NK 15-3
LA CROSSE

Edition of: 3-1-78
PR: AKH/CB

HOUSTON
25



260B
(MIN)

FEET

LINE 1

R.E. Carey, 1955; Book CV-696

BROWNSVILLE QUAD. - 2 MINN. - 79 WISC.

5.1 UE, T. 103 N., R. 6 W., in SE $\frac{1}{4}$ sec. 13, near the center of W. headwall of concrete culvert, a chiseled square 920.03

SPRING GROVE QUAD. - 3

5.7 UE, T. 103 N., R. 6 W., in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, at road angle, on the E. end of the NE. concrete wingwall of culvert, chiseled square 1133.35

6.3 Houston RM 2, about 2.75 mi E. and 3 mi S. of Houston, 100 ft NE. of NE. cor. of school house, 148 ft N. and 20 ft W. of l-rd. E.; in concrete post, USC&GS RM disk stamped "HOUSTON RM NO 2 1927" (This post has been reset. This elev. by USGS. 1199.559

8.1 Caledonia, about 4 mi N. of; in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 25, T. 103 N., R. 6 W., 5th principal meridian in schoolyard of Dist. 25, 120 ft N. of fence line, in S. side of E.-W. road, 89 ft N. of center of E.-W. township road, 87 ft E. of center of N.-S. township road, 41.8 ft NW. of NW. cor. of schoolhouse and 3 ft S. of fence line, in concrete post, standard USC&GS and State Survey tablet stamped "HCW 1 1934" 1192.498

2.2 Reference mark, about 180 ft N. of tablet; 40 ft W. of center of road, in root on SE. side of a 24-in. bean tree; copper nail and washer 1223.03

2.2 Caledonia, 1.5 mi N. and 0.75 mi W. of; 725 ft S. and 29 ft W. of crossroads; which are near cor. secs. 1, 2, 11 and 12; T. 102 N., R. 6 W.; 210 ft S. and 29 ft W. of private drive W., 18 ft S. and 1 ft E. of St. cor. of farmyard, 11 ft S. of telephone pole, in concrete post, a standard tablet stamped "23 RC 1955 1224" 1224.052

4.3 Caledonia, in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 102 N., R. 6 W., about 166 ft E. of center of N. Kingston Street; 44.8 ft NE. of NE. cor. of stucco dwelling and 20.1 ft S. of center of old C.M. St. P. & P. R.R. grade; in concrete post, standard USC&GS and State tablet stamped "HCW 5 1934" (NOTE: Post appears to have been reset. This elev. by USGS. 1184.767

LINE 2

L.M. Tackett, 1963; Book CV-1624

BROWNSVILLE QUAD. - 2 MINN. - 79 WISC.

0.0 Caledonia, in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 102 N., R. 5 W.; 5th principal meridian, adjoining property belonging to Paul Jacobson; 20 ft E. of N. Winnebago Street; 31 ft S. of center of East Grant Street and 3.7 ft W. of W. edge of N.-S. concrete sidewalk, a USC&GS and State Survey standard disk in concrete post, set flush with the ground stamped "HCW 6 1934", 33 ft S. and 20 ft E. and 0.1 ft lower than center of tangent of Winnebago and East Grant Streets (Elev. by Minn. Geodetic Survey 1174.276

FEET

LINE 2 (Cont'd)

SPRING GROVE QUAD. - 3

0.3	"HCW 5 1934" (Described in Line 1)	1184.767
1.4	UE HCW A; T. 102 N., R. 6 W., in SE. cor. of sec. 14; 12 ft S. and 120 ft E. and 3.0 ft lower than T-rd. S.; a punched hole in the S. end of a steel pipe culvert	1171.7
1.9	UE HCW B; T. 102 N., R. 6 W., in NE. cor. of sec. 23; 25 ft N. and 19 ft W. and 0.7 ft lower than T-rd. N.; a punched hole, in W. end of a steel pipe culvert	1153.7
2.6	UE HCW C; T. 102 N., R. 6 W.; about 0.2 mi S. of cor. secs. 14, 15, 22 and 23; 27 ft N. and 26 ft E. and 1.4 ft lower than crossroads; a chiseled square on NE. end of a round concrete culvert	1123.48
3.3	UE HCW D; T. 102 N., R. 6 W., NW. cor. of sec. 22; 38 ft S., 148 ft W., and 2.8 ft lower than Y-rd., a punched hole, in the S. end of a steel pipe culvert	1113.7
3.7	Caledonia, 1.5 mi W. of along Co. Rd. 12; T. 102 N., R. 6 W., 0.2 mi N. of quarter cor. between secs. 21 and 22; 47 ft N. and 56 ft W. and 1.7 ft lower than rd. at field entrance S.; 3 ft S. of a power pole set flush with the ground, a standard tablet in top of a concrete post, stamped "1159 27 LMT 1963"	1158.837
4.8	UE 27 LMT A; T. 102 N., R. 6 W., near quarter cor. between secs. 20 and 21; 16 ft N. and 6 ft E. and 4.8 ft lower than rd. at center of a culvert; 9 ft above the drain; a chiseled square on the E. end of the N. headwall of the culvert	1007.73
5.7	UE 27 LMT B; T. 102 N., R. 6 W., 0.2 mi E. of quarter cor. between secs. 17 and 20; 21 ft S. and 33 ft W. and 2.3 ft higher than rd. at driveway S.; a chiseled square on the W. end on top of a rock over pipe culvert	1085.81
6.5	UE 27 LMT C; T. 102 N., R. 16 W.; near cor. secs. 17, 18, 19 and 20; 34 ft S. and 12 ft W. and 1.7 ft lower than rd. at driveway S.; a punched hole in the W. end of a steel pipe culvert	1191.6
7.2	Reference Mark, 50 ft S. and 20 ft E. of rd. at bend in line with center of grass triangle, a punched hole in the SE. end of a steel pipe culvert	1138.23
7.2	Caledonia, about 4.0 mi W. of; T. 102 N., R. 6 W., near center of sec. 18; 23 ft S. and 24 ft W. and 1.0 ft lower than rd. at fence N.; 2 ft N. of a power pole, and set flush with the ground, a standard tablet in top of a concrete post, stamped "1153 28 LMT 1963"	1152.690
8.2	UE 28 LMT A; T. 102 N., R. 7 W., near quarter cor. between secs. 13 and 18; 10 ft S. and 15 ft W. and 0.1 ft lower than center of small bridge; 7 ft above the water; a chiseled square on SE. wingwall of bridge	831.87
9.3	UE 28 LMT B; T. 102 N., R. 7 W., SW. cor. of sec. 13; 22 ft N. and 40 ft W. and 2.3 ft higher than rd. at T-fence N.; a punched hole in the NE. end of a steel pipe culvert	932.9
10.1	Black Hammer, 1.0 mi N. and 1.1 mi E. of; T. 102 N., R. 7 W., near quarter cor. between secs. 14 and 23; 21 ft N. and 17 ft E. and 6.7 ft lower than T-rd. SW.; 1 ft S. of fence and set flush with the ground; a standard tablet in top of a concrete post stamped "1046 29 LMT 1963"	1045.829
10.1	Reference Mark, 14 ft N. and 13 ft W. of T-rd. SW.; a punched hole in the N. end of a steel pipe culvert	1048.02
11.3	UE 29 LMT A; T. 102 N., R. 7 W., in SW. cor. of sec. 23; 12 ft N. and 49 ft E. and 2.0 ft lower than rd. at driveway S.; a chiseled square in center of N. headwall of concrete culvert	1175.08
12.0	UE 29 LMT B; T. 102 N., R. 7 W., near quarter cor. between secs. 22 and 27; 29 ft S. and 147 ft E. and 5.4 ft higher than crossroads; a chiseled square on W. end of bottom step leading into the N. entrance to a church	1178.56

FEET

LINE 2 (Cont'd)

SPRING GROVE QUAD. - 3 MINN.

- 13.0 Reference Mark, 32 ft S. and 21 ft W. of the T-rd. W.; a chiseled square on the W. end of a round concrete culvert 1181.82
- 13.0 Black Hammer, 1.0 mi S. of along Co. Hwy. 4; T. 102 N., R. 7 W., at quarter cor. between secs. 27 and 34, 26 ft S. and 53 ft W. and 0.6 ft lower than T-rd. W.; 1 ft N. of a power pole, set flush with the ground, a standard tablet in top of a concrete post; stamped "1182 30 LMT 1963" 1182.439
- 14.1 UE 30 LMT A; T. 102 N., R. 7 W., at quarter cor. between secs. 28 and 33; 29 ft S. and 12 ft E. and 1.2 ft higher than T-rd. S.; a chiseled square in center of the E. headwall of a culvert 1158.05
- 15.1 UE 30 LMT B; T. 102 N., R. 7 W., 0.2 mi S. of center of sec. 29, 12 ft N. and 7 ft E. and 0.3 ft lower than rd. at culvert; a chiseled square on the NE. wingwall of the culvert; 8 ft above the drain 1027.24
- 15.7 UE 30 LMT C; T. 102 N., R. 7 W., in SW. cor. of sec. 29; 12 ft N. and 0.8 ft higher than center of bridge; 15 ft above the water; a chiseled square in center of N. headwall of bridge 902.34
- 16.4 UE 30 LMT D; T. 102 N., R. 7 W., 0.25 mi S. of center of sec. 30; 66 ft S. and 16 ft W. and 7.9 ft lower than N.-S. rd. at center of grass triangle E.; a punched hole in the W. end of a steel pipe culvert 1058.8
- 17.1 Reference Mark, 14 ft N., 16 ft E. of T-rd. S., a punched hole in the N. end of a steel pipe culvert 1178.87
- 17.1 Black Hammer, 1.0 mi S. and 3.5 mi W. of; on Fillmore and Houston Co. lines; T. 102 N., R. 7 and 8 W., cor. of secs. 25, 30, 31 and 36, 48 ft S. and 30 ft W. and 2.7 ft lower than T-rd. S.; 3 ft W. of a power pole, and set flush with the ground; a standard tablet in top of a concrete post; stamped "31 LMT 1963" 1178.004
- 18.2 UE 31 LMT A; T. 102 N., R. 8 W., at cor. secs. 25, 26, 35 and 36; 41 ft S. and 18 ft E. and same elev. as crossroads; a punched hole in the E. end of a steel pipe culvert 1192.1

LANESBORO QUAD. - 4

- 19.2 Mabel, about 5.8 mi N. along State Hwy. 43 from the post office at; about 1.0 mi S. and 1.0 mi E. of Tawney, about 60 yards W. of a curve, about 50 yards W. of a fence cor., 22 ft N. of the center of the hwy. and 1 ft N. of a fence along the hwy., a USC&GS standard disk stamped "D 149 1934" and set in the top of a concrete post projecting 5 in. above the ground 1232.996

LINE 3

LANESBORO QUAD. - 4

L. M. Tackett, 1963; Book CV-1624

- 0.0 Mabel, at; in the town park, about 2 blocks W. of N.-S. main street, about 50 yards W. of a street cor., in the SE. cor. of the park, 43.7 ft S. of the SE. cor. of the stone foundation of the rest room; 38 ft N. of the center of State Hwy. 44 and 2.0 ft N. of the N. edge of the sidewalk; a USC&GS standard disk stamped "A 149 1934" and set in the top of a concrete post projecting about 1 in. above ground 1133.790
- 1.1 UE A 149 A; T. 101 N., R. 8 W., at quarter cor. between secs. 34 and 35; 20 ft S. and 52 ft W. and 0.6 ft lower than T-rd. SW.; a punched hole in the NW. end of a steel pipe culvert 1167.7

FEET

LINE 3 (Cont'd)

LANESBORO QUAD. - 4

- 2.6 UE A 149 C; T. 100 and 101 N., R. 8 W., at cor. secs. 1, 2, 35 and 36; 8 ft S. and 2.4 ft higher than center of rd. at culvert; 10 ft above the drain; a chiseled square in center of S. headwall of the culvert 1168.02

SPRING GROVE QUAD. - 3

- 3.7 Spring Grove, 4.0 mi S. and 4.0 mi W. of; on Iowa-Minnesota State Line and the Houston Fillmore and Winneshick County lines; T. 100 and 101 N., Rs. 7 and 8 W., at cor. secs. 6, 12, 31 and 36; 51 ft N. and 26 ft W. of T-rd. N.; 38 ft N. and 1 ft E. of a fence cor. post; a standard tablet in top of a concrete post, stamped "1186 32 LMT 1963" 1186.314
- 4.6 UE 32 LMT A; T. 100 and 101 N., R. 7 W., near cor. secs. 6, 7, 31 and 32; 10 ft S. and 0.7 ft lower than rd. at culvert; 7.2 ft above the drain; a chiseled square in center of S. concrete headwall of culvert 1120.26
- 5.2 UE 32 LMT B; T. 100 and 101 N., R. 7 W.; at quarter cor. between secs. 7 and 32; 28 ft N. and 39 ft E. and 0.5 ft lower than crossroads; a concrete right-of-way post with a steel rod in top 1168.36
- 6.2 UE 32 LMT C; T. 100 and 101 N., R. 7 W., near quarter cor. between secs. 8 and 33; 10 ft S. and 94 ft W. and 1.9 ft lower than rd. at driveway N.; a punched hole in the S. end of a steel pipe culvert 1165.4
- 6.7 Reference Mark, 20 ft N. and 58 ft W. of crossroads; a punched hole in the N. end of a steel pipe culvert 1142.38
- 6.7 Spring Grove, 4.0 mi S. and 1.0 mi W. of; T. 100 and 101 N., R. 7 W., on the Iowa-Minn. State Line; 172 ft E. and 3.9 ft higher than crossroads; 2 ft E. of a power pole, set flush with the ground, a standard tablet in top of a concrete post stamped "1147 33 LMT 1963" 1147.548
- 7.7 UE 33 LMT A; T. 100 and 101 N., R. 7 W.; near E. sixteenth cor. between secs. 9 and 34; 22 ft S. and 12 ft E. and 0.7 ft higher than center of bridge; a copper rail and washer in top of the SE. piling of bridge; 10 ft above the water 984.31
- 8.1 UE 33 LMT B; T. 100 and 101 N., R. 12 W.; near W. sixteenth cor. between secs. 10 and 35; 51 ft N. and 16 ft E. and 1.0 ft lower than rd. N. and rd. E.; a punched hole in the E. end of a steel pipe culvert 1041.8
- 9.3 UE 33 LMT C; T. 101 N., R. 7 W., near W. sixteenth cor. between secs. 26 and 35; 29 ft S. and 46 ft E. and 0.9 ft lower than rd. NW. and SE. at rd. E.; a punched hole in the NE. end of a steel pipe culvert 1024.47
- 10.2 Reference Mark, 21 ft S. and 24 ft E. of rd. at fence S.; a chiseled square in center of E. headwall of concrete and rock culvert 1170.57
- 10.2 Spring Grove, about 3.0 mi S. of; T. 101 N., R. 7 W., near cor. secs. 25, 26, 35 and 36; 23 ft N. and 22 ft E. and 1.9 ft higher than rd. at fence S.; 3 ft S. of a power pole; set flush with the ground; a standard tablet in top of a concrete post; stamped "1173 34 LMT 1963" 1172.858
- 11.0 UE 34 LMT A; T. 101 N., Rs. 6 and 7 W., at cor. secs. 25, 30, 31 and 36; 31 ft N. and 33 ft W. and 2.1 ft lower than crossroads; a rail spike in the SE. side of a power pole 1269.68
- 12.0 UE 34 LMT B; T. 101 N., R. 7 W., near quarter cor. between secs. 24 and 25; 15 ft W. of rd. at culvert; and 90 ft SE. of rd. fork and 1.8 ft lower than rd. fork; 7 ft above the drain; a chiseled square in center of W. concrete headwall of a culvert 1236.57

FEET

LINE 3 (Cont'd)

SPRING GROVE QUAD. - 3

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| 13.5 | Spring Grove, 1.0 mi S. of along Co. Rd. 4; T. 101 N., R. 7 W.; near cor. secs. 13, 14, 23 and 24; 136 ft S. and 60 ft W. and 5.6 ft lower than entrance to a saw mill E. of a power pole, and 1 ft E. of the fence set flush with the ground; a standard tablet in top of a concrete post; stamped "1257 35 LMT 1963" | 1257.365 |
| 13.5 | Reference Mark, 14 ft S. and 31 ft E. of rd. at sawmill entrance E.; a punched hole in the S. end of a steel pipe culvert | 1261.55 |
| 14.0 | UE 35 LMT A; T. 101 N., R. 7 W.; 0.2 mi E. of center of sec. 14; 106 ft S. and 36 ft E. and 2.1 ft lower than T-rd. E.; a punched hole in the NE. end of a steel pipe culvert under field rd. entrance SE. | 1285.8 |
| 15.0 | UE 35 LMT B; T. 101 N., R. 7 W.; in SE. cor. of sec. 11; at E. edge of Spring Grove; 31 ft N. and 43 ft W. and 2.9 ft lower than T-street N.; a punched hole in the NE. end of a steel pipe culvert | 1310.6 |
| 16.1 | UE 35 LMT C; T. 101 N., R. 7 W., in NW. cor. of sec. 12, 21 ft S. and 31 ft E. and 0.5 ft lower than T-rd. S.; a chiseled square in center of the SE. headwall of a culvert 6 ft above the drain | 1141.78 |
| 16.6 | UE 35 LMT D; T. 101 N., R. 7 W., near center of sec. 1; 12 ft W. and 1.2 ft lower than rd. at culvert; 5 ft above the drain; a punched hole in the W. end of a steel pipe culvert | 1122.5 |
| 17.3 | Spring Grove, 1.5 mi N. and 0.5 mi E. of; T. 101 and 102 N., R. 7 W., at quarter cor. between secs. 1 and 36; 53 ft S. and 31 ft W. and 4.5 ft lower than rd. at drive E.; on top of a hill between a fence and a power pole set flush with the ground, a tablet stamped "1098 36 LMT 1963" | 1098.147 |
| 17.8 | UE 36 LMT A; T. 102 N., R. 7 W., near center sec. 36; 10 ft S. and 0.6 ft higher than rd. at culvert; 7 ft above the drain; a chiseled square in center of S. headwall of a concrete and rock culvert | 1043.94 |
| 18.3 | UE 36 LMT B; T. 102 N., R. 7 W., at quarter cor. between secs. 35 and 36; 25 ft N. and 22 ft W. and 0.6 ft lower than crossroads; a chiseled square in center of NW. headwall of a culvert | 1122.45 |
| 19.1 | UE 36 LMT C; T. 102 N., R. 7 W., 0.2 mi E. of quarter cor. between secs. 34 and 35; 16 ft S. and 9 ft E. and 1.6 ft lower than rd. at culvert; 12 ft above the drain; a chiseled square on the SE. wingwall of a culvert | 1058.67 |
| 19.8 | UE 36 LMT D; T. 102 N., R. 7 W., at center of sec. 34; 13 ft S. and 43 ft E. and 1.6 ft lower than T-rd. E.; a punched hole in the S. end of a steel pipe culvert | 1173.8 |
| 20.4 | "30 LMT 1963" (Described in Line 2) | 1182.439 |

LINE 4

R. W. Moran, 1963; Book CV-1626

LANESBORO QUAD. - 4

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| 0.0 | USC&GS "A 149 1934" (Described in Line 3) | 1133.790 |
| 0.3 | UE; Mabel, at crossroads of State Hwys. 44 and 43; 135 ft N. and 20 ft E. of intersection, 0.933 ft lower than center opposite; in middle of headwall of concrete culvert, chiseled square | 1115.95 |
| 1.0 | UE; Mabel, 0.65 mi N. of jct. of State Hwy. 44 and 43; at drive E.; 18 ft S. and 40 ft E. and 3.261 ft lower than intersection; on corrugated culvert, painted square | 1132.9 |

FEET

LINE 4 (Cont'd)

LANESBORO QUAD. - 4

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| 1.6 UE; Mabel, 1.3 mi N. of jct. of State Hwys. 44 and 43; at T-jct. NW.; 72 ft N. and 27 ft W. of intersection of projected center; 3.207 ft lower than center opposite, on middle of headwall of concrete cattle crossing; chiseled square | 1205.73 |
| 2.2 UE; Mabel, 1.85 mi N. of jct. of Hwy. 44 and 43; 22 ft W. and 2.670 ft lower than center opposite; on corrugated culvert, painted square | 1139.9 |
| 2.6 Reference Mark, 206 ft SW. of tablet; at field rd. W.; 18 ft N. and 30 ft W. of intersection, 12 ft N. and 17 ft E. of fence cor.; on corrugated culvert, painted square | 1177.28 |
| 2.6 Mabel, 2.3 mi N. of jct. of State Hwys. 44 and 43; 4.0 mi S. and 1.0 mi E. of Tawney; near SW. cor. sec. 11, T. 101 N., R. 8 W.; at T-jct. E. of intersection; 42 ft N. and 2.5 ft W. of fence cor.; 15.5 ft N. of telephone pole; in concrete post projecting 3 in.; standard USGS tablet stamped "24 RWM 1963" | 1185.459 |
| 3.2 UE; Mabel, 2.9 mi N. of jct. of State Hwys. 44 and 43; 18 ft W. and 3.303 ft lower than center opposite; on concrete culvert; chiseled square | 1173.92 |
| 3.5 UE; Mabel, 3.2 mi N. of jct. of State Hwys. 44 and 43; at T-jct. W.; 68 ft S. and 15 ft W. and 1.716 ft lower than intersection, on corrugated culvert, painted square | 1187.7 |
| 4.1 UE; Mabel, 3.8 mi N. of jct. of State Hwy. 44 and 43; at drive W.; 15 ft S. and 39 ft W. and 4.947 ft lower than intersection; 38 ft N. and 27 ft E. of fence cor.; on corrugated culvert, painted square | 1134.1 |
| 4.6 UE; Mabel, 4.3 mi N. of jct. of State Hwy. 44 and 43; at crossroads; 17 ft N. and 20 ft E. and 0.807 ft lower than intersection; 3 ft S. and 22 ft W. of fence cor.; on corrugated culvert, painted square | 1203.7 |
| 5.1 UE; Mabel, 4.8 mi N. of jct. of Hwy. 44 and 43; 17 ft W. and 1.950 ft lower than center opposite; on corrugated culvert, painted square | 1186.1 |
| 5.6 Azimuth Mark is 78 ft W. of the center of gravel rd.; 47 ft W. of a telephone pole, 26 ft N. of the center of Hwy. 43; 2 ft SE. of a witness post and 1 ft S. of a wire fence; the monument is flush and the USC&GS disk is stamped "PREBLE 1961" | 1232.336 |
| 5.6 USC&GS "D 149 1934" (Described in Line 2) | 1232.996 |

LINE 5

R. W. Moran, 1963; Book CV-1626

LEWISTON QUAD. - 26

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| 0.0 Rushford, about 4.5 mi S. of; 1.0 mi N. of Bratsberg; near quarter cor. between secs. 2 and 3, T. 102 N., R. 8 W.; 245 ft NE. of rd. fork; 29 ft NW. of Hwy. 43; 6 ft SW. of pole, in concrete post, standard tablet stamped "TT 37 WM 1952" | 1275.158 |
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LANESBORO QUAD. - 4

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| 0.4 UE; Bratsberg, 1.0 mi N. of jct. of State 43 and Co. Rd. 10; at crossroads; 22 ft N. and 18 ft E. and 0.015 ft lower than intersection; 11 ft E. of telephone pole; on round concrete culvert; chiseled square | 1224.58 |
| 0.8 Reference Mark 4 is 81 ft E. of a telephone pole, 32 ft N. of center of gravel rd. and 6 in. S. of a wire fence; the monument projects 4 in. and the disk is stamped "BRATSBURG 4 1927" | 1267.875 |

FEET

LINE 5 (Cont'd)

LANESBORO QUAD. - 4

- 1.4 UE; Bratsberg, 1.0 mi N. and 1.0 mi E. of jct. of State Hwy. 43 and Co. Rd. 10; at offset crossroads, 21 ft S. and 11 ft W. and 1.263 ft lower than intersection of T-rd. N., on corrugated culvert; painted square 1242.5
- 2.0 UE; Bratsberg, 0.4 mi N. and 1.0 mi E. of jct. of State Hwy. 43 and Co. 10; at T-jct. E.; 30 ft N. and 26 ft E. and 0.882 ft higher than intersection; on S. gate post of cemetery; on concrete slab; chiseled square 1258.22

SPRING GROVE QUAD. - 3

- 2.4 Rushford, 5.1 mi S. of jct. of U.S. Hwy. 16 and State 43; 1.0 mi E. of jct. of 43 and 10; in Bratsberg; near NW. cor. of sec. 13, T. 103 N., R. 8 W., at crossroads; 41 ft S. and 25 ft E. and 0.963 ft lower than intersection; 2.5 ft N. and 6 ft E. of fence cor.; 6 ft E. of telephone pole; in concrete post, projecting 2 in., standard tablet stamped "25 RWM 1963" 1207.238
- 3.0 UE; Bratsberg, 1.65 mi E. of jct. of State Hwy. 43 and Co. 10; at field rd. S.; 32 ft S. and 12 ft E. and 2.586 ft lower than intersection; on corrugated culvert; painted square 1201.4
- 3.6 UE; Bratsburg, 2.2 mi E. of jct. of State Hwy. 43 and Co. 10; at farm drive S.; 20 ft S. and 6 ft E. and 1.398 ft lower than intersection; 8 ft E. of gate post; on rock headwall of culvert, chiseled square 1197.50
- 4.1 UE; Bratsburg, 2.7 mi E. of jct. of State Hwy. 43 and Co. 10; near farm drive S.; 18 ft S. and 93 ft W. and 0.651 ft lower than intersection; on E. wingwall of rock cattle underpass; chiseled square 1123.67
- 4.6 Houston, 2.25 mi S. and 7.0 mi W. of; 0.3 mi S. and 3.25 mi E. of Bratsberg, in NE¹ sec. 17, T. 103 N., R. 7 W.; 24 ft S. and 25 ft E. of T-rd. N.; 4 ft E. of NE. cor. of yard, in concrete post, standard tablet stamped "TT 8 GT 1956" 1201.898
- 5.1 UE; Bratsberg, 3.7 mi E. of jct. of Hwy. 43 and 10; 15 ft SW. and 0.141 ft higher than center opposite; on rock headwall of culvert, chiseled square 1188.00
- 5.6 UE; Bratsberg, 4.2 mi E. of jct. of Hwy. 43 and Co. 10; at curve in rd.; 45 ft W. and 0.639 ft higher than center opposite; on NE. cor. of concrete porch of schoolhouse, chiseled square 1195.98
- 6.2 UE; Bratsberg, 4.8 mi E. of jct. of State Hwy. 43 and Co. 10; near T-jct E.; 15 ft W. and 1.422 ft lower than center opposite; on SE. cor. of rock headwall; chiseled square 1149.96
- 6.7 UE; Bratsberg, 0.3 mi N. and 5.0 mi E. of jct. of State Hwy. 43 and Co. 10; 15 ft S. and 1.830 ft lower than center opposite; on corrugated culvert, painted square 1180.1
- 7.1 UE; Bratsberg, 0.3 mi N. and 5.35 mi E. of State Hwy. 43 and Co. 10; 12 ft S. and 0.606 ft lower than center opposite; on rock headwall of concrete culvert; chiseled square 1164.22
- 7.6 Bratsberg, 0.5 mi N. and 5.7 mi E. of jct. of State Hwy. 43 and Co. 10; 1.7 mi S. and 4.5 mi W. of jct. of U.S. Hwy. 16 and Co. 13; in Houston; near center of sec. 10, T. 103 N., R. 7 W.; near farm drive N.; 33 ft N. and 150 ft W. of intersection; 1.5 ft S. and 20 ft W. of fence cor.; 2.940 ft lower than center opposite; in concrete post; 3 in. standard tablet stamped "26 RWM 1963" NOT FOUND 7-76 RLP 1169.097
- 7.6 Reference Mark; 130 ft E. of tablet at farm drive N.; 21 ft N. and 10 ft W. and 1.974 ft lower than intersection; on corrugated culvert, painted square 1181.10
- 8.3 UE; Bratsberg, 0.5 mi N. and 6.4 mi E. of jct. of State 43 and Co. 10; at field rd. S.; 15 ft S. and 9 ft W. and 0.105 ft higher than intersection; on corrugated culvert; painted square 1188.0

FEET

LINE 5 (Cont'd)

SPRING GROVE QUAD. - 3

- 8.8 UE; Bratsberg, 0.5 mi N. and 6.9 mi E. of jct. of State Hwy. 43 and Co. 10; 15 ft W. and 0.186 ft lower than center opposite; on rock headwall of culvert; chiseled square 1165.77
- 9.3 UE; Bratsberg, 0.8 mi N. and 7.1 mi E. of jct. of State Hwy. 43 and Co. Rd. 10; 15 ft NW. and 1.032 ft lower than center opposite; on corrugated culvert; painted square 1202.4
- 9.5 Reference Mark No. 2 is 28 ft W. of the center of the gravel rd.; 43 ft S. of the witness post and 44 ft S. of the telephone pole; the monument is flush and the USC&GS disk is stamped "ROOT NO 2 1961" 1240.973
- 9.5 Houston, about 3.0 mi SW. of; about 5.0 mi NW. of Sheldon and in SW $\frac{1}{4}$ sec. 1; T. 103 N., R. 7 W., on property owned by Mr. Harry Wentz; it is 3 ft SE. of a witness post, 4 ft SE. of a telephone pole, and 28 ft W. of the center of a gravel rd. and 33 ft SW. of a T-rd. intersection; the monument is flush and the USC&GS disk is stamped "ROOT 1961" 1240.872
- 9.5 Reference Mark 1; 8 ft W. of a telephone pole, 31 ft N. of the center of gravel rd. and 26 ft E. of the center of gravel rd.; the monument is flush and the disk is stamped "ROOT NO 1 1961" 1239.796
- 10.0 UE; Root, 0.5 mi S. and E. of Triangulation Station Root along gravel rd.; 21 ft E. and 1.746 ft lower than center opposite; rail spike in telephone pole 1180.98
- 10.4 UE; Root, 0.85 mi S. and E. of Triangulation Station Root along gravel rd.; near farm drive E.; 7 ft E. and 1.242 ft lower than center opposite; on corrugated culvert, painted square 1153.8
- 11.6 Reference Mark, 84 ft W. of tablet; on S. side of E. abutment of concrete bridge; 15 ft S. of center; chiseled square 734.30
- 11.6 Houston, 2.8 mi S. and 2.75 mi W. of jct. of U.S. Hwy. 16 and Co. 13; 3.8 mi N. and 1.6 mi W. of Sheldon; 0.3 mi N. and 0.3 mi E. of SW. cor. of sec. 13; T. 103 N., R. 7 W., at angel jct. S.; 38 ft S. and 33 ft E. and 6.365 ft lower than intersection; 2 ft N. and 11 ft E. of fence cor.; in concrete post; projecting 2 in., standard tablet stamped "27 RDM 1963" 727.273
- 12.5 UE, 0.8 mi S. and W. of tablet along gravel rd.; 0.7 ft below center opposite; on wooden abutment of cattle underpass; copper nail and washer 720.69
- 13.0 UE; 1.4 mi S. and W. of tablet along gravel rd.; 12 ft E. and 1.080 ft above center opposite; on rock ledge; chiseled square 1032.32
- 13.6 UE; 1.9 mi S. and E. of tablet along gravel rd.; 9 ft E. and 1.107 ft lower than center opposite; on corrugated culvert, painted square 1156.1
- 14.1 Sheldon, 1.2 mi N. and 1.6 mi W. of; 5.4 mi N. and 1.8 mi E. of Black Hammer; 0.3 mi E. of W $\frac{1}{4}$ cor. of sec. 25; T. 103 N., R. 7 W.; at farm drive E., 111 ft N. and 25 ft E. of intersection; 38 ft N. of T-fence E.; 1.5 ft W. of fence; 0.441 ft lower than center opposite; in concrete post, projecting 2 in., standard tablet stamped "28 RWM 1963" 1225.217
- 14.1 Reference Mark, 138 ft S. of tablet; at farm drive SE.; 12 ft S. and 21 ft E. of intersection; 9 ft W. of S. gate post; on steel pipe, painted square 1220.71
- 14.6 UE; Sheldon, 0.7 mi N. and 1.5 mi W. of; near bend in rd.; 9 ft W. and 0.684 ft lower than center opposite; on headwall of concrete cattle underpass; chiseled square 1191.87

FEET

LINE 5 (Cont'd)

SPRING GROVE QUAD. - 3

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| 15.1 | UE; Sheldon, 0.2 mi N. and 1.7 mi W. of; 15 ft NW. and 1.665 ft lower than center opposite; on corrugated culvert, painted square | 1148.21 |
| 15.8 | UE; Sheldon, 0.4 mi S., 2.0 mi W. of; 9 ft W. and 1.689 ft higher than center opposite; on headwall of concrete culvert; chiseled square | 1191.01 |
| 16.2 | UE; Sheldon, 0.5 mi S. and 2.1 mi W. of; 12 ft SW. and 2.103 ft lower than center opposite; on corrugated culvert, painted square | 1186.90 |
| 16.6 | Reference Mark 2 is 25 ft N. of center of gravel rd.; 1 ft E. of the witness post and 6 in. N. of the wire fence; the monument projects 4 in. and the USC&GS disk is stamped "SHELDON NO 2 1961" | 1279.074 |
| 16.6 | Reference Mark 1 is 62 ft W. of the power pole; 24 ft N. of the center of gravel rd., and 6 in. N. of the wire fence; the monument projects 4 in. and the USC&GS disk is stamped "SHELDON NO 1 1961" | 1279.365 |
| 16.6 | Spring Grove, 7.5 mi N. of; about 7.5 mi NW. of Caledonia; about 7.5 mi SW. of Houston; in the NE ¹ sec. 2, T. 102 N., R. 7 W., on the property of Mr. Maynard Brebig; it is 138 ft NW. of a power pole, 76 ft N. of the center of a gravel rd., 68 ft NE. of a witness post, and 56 ft N. of a wire fence; the monument is 14 in. underground and the USC&GS disk is stamped "SHELDON 1961" | 1278.207 |
| 16.8 | UE; Black Hammer, 3.5 mi N. and 1.0 mi E. of; at T-jct. S.; 18 ft S. and 3 ft W. of T-fence jct.; 12 ft N. and 3 ft W. and 3.132 ft lower than intersection; on corrugated culvert; painted square | 1238.32 |
| 17.4 | UE; Black Hammer, 3.0 mi N. and 1.0 mi E. of; at Y-jct.; 12 ft W. and 0.660 ft lower than center opposite; on stone headwall of culvert, chiseled square | 1237.25 |
| 17.9 | UE; Black Hammer, 2.7 mi N. and 0.5 mi E. of; at farm drive N.; 33 ft N. and 7 ft E. and 0.510 ft lower than intersection; 15 ft SW. of fence cor.; on corrugated culvert, painted square | 1240.14 |
| 18.6 | UE; Black Hammer, 2.0 mi N. and 0.5 mi E. of; at farm drive W.; 9 ft S. and 15 ft W. and 0.906 ft lower than intersection; 3 ft E. of electric fence cor.; on corrugated culvert, painted square | 1220.42 |
| 19.0 | Reference Mark; 22 ft NW. of tablet; at T-rd. E.; 6 ft S. and 16 ft E., and 0.135 ft lower than intersection; on corrugated culvert, painted square | 1207.34 |
| 19.0 | Black Hammer, 1.75 mi N. and 0.5 mi E. of; 2.6 mi S. and 2.9 mi W. of Sheldon; 0.2 mi N. of W ₂ cor. sec. 14; T. 102 N., R. 7 W.; 20 ft S. and 65 ft E. of T-rd. E.; 5 ft S. and 8 ft W. of fence cor., in concrete post; standard tablet stamped "29 RWM RESET 1966" | 1209.009 |
| 19.7 | UE; Black Hammer, 1.0 mi N. and 0.5 mi E. of; near wye jct. of farm drive S.; 16 ft S. and 8.5 ft E.; on corrugated culvert, painted square | 1163.92 |
| 20.3 | "29 LMT 1963" (Described in Line 2) | 1045.829 |

LINE 6

R. W. Moran, 1963; Book CV-1626

SPRING GROVE QUAD. - 3

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|-----|--|----------|
| 0.0 | USC&GS Triangulation Station "ROOT 1961" (Described in Line 5) | 1240.872 |
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HOUSTON QUAD. - 25

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| 0.3 | UE; Houston, 4.3 mi S. and W. of C. M. St. P. & P. RR. Station; at drive W., 75 ft N. and 12 ft W. of intersection; 0.957 ft lower than center opposite; on corrugated culvert, painted square | 1196.89 |
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FEET

LINE 6 (Cont'd)

HOUSTON QUAD. - 25

- 0.8 UE; Houston, 3.8 mi S. and W. of C. M. St. P. & P. RR. Station; 12 ft N. and 0.390 ft lower than center opposite; on corrugated culvert, painted square 1195.11
- 1.2 Houston, 0.75 mi S. and 2.25 mi W. of; near $W\frac{1}{4}$ cor. sec. 6, T. 103 N., R. 6 W., 27 ft N. and 16 ft E. of T-rd. N.; 6 ft E. of a power pole, in concrete post, standard tablet stamped "TT 6 GT 1956" 1237.065
- 1.5 UE; Houston, 3.1 mi S. and W. of C. M. St. P. & P. RR. Station at Y-jct.; 15 ft N. and 2.322 ft lower than center opposite; on corrugated culvert, painted square 1140.55
- 1.8 UE; Houston, 2.8 mi S. and W. of C. M. St. P. & P. RR. Station; 15 ft E. and 0.722 ft lower than center opposite; on N. end of rock wall; chiseled square 1015.27
- 2.2 UE; Houston, 2.4 mi S. and W. of C. M. St. P. & P. RR. Station; 12 ft N. and 0.453 ft lower than center opposite; on rock in ditch; chiseled square 853.65
- 2.6 UE; Houston, 1.95 mi S. and W. of C. M. St. P. & P. RR. Station; at drive S.; 27 ft S. and 9 ft W. and 0.255 ft higher than intersection; on rock headwall of culvert; chiseled square 752.92
- 3.1 UE; Houston, 1.55 mi S. and W. of C. M. St. P. & P. RR. Station; near Y-jct.; at drive S.; 15 ft S. and 27 ft W. and 0.906 ft higher than intersection; rail spike in telephone pole 693.04
- 3.6 UE; Houston, 1.05 mi S. and W. of C. M. St. P. & P. RR. Station; 18 ft N. and 1.629 ft lower than center opposite; 10 ft S. and 10 ft W. of fence cor.; on concrete headwall of culvert; chiseled square 683.99
- 4.1 UE; Houston, 0.45 mi S. and W. of C. M. St. P. & P. RR. Station; at crossstreets; of Jefferson and Spruce; 20 ft N. and 29 ft W. and 0.330 ft lower than intersection; on E. side of sidewalk over culvert; chiseled square 683.71
- 4.6 Houston, at; about 50 ft NE. of the NE. cor. of the C. M. St. P. & P. RR. Station; 38 ft W. of the center of Sherman Street, 24.4 ft N. of the N. rail and about level with the track; a USC&GS standard disk stamped "683.824 X 15 1931" and set in top of a concrete post 683.824

LINE 7

R. W. Moran, 1963; Book CV-1626

LANESBORO QUAD. - 4

- 0.0 Peterson, 4.0 mi S. and 2.2 mi E. from; 2.0 mi SW. of Bratsberg; 0.2 mi S. of quarter cor. secs. 15 and 16, T. 103 N., R. 8 W.; 580 ft NE. of rd. forks S. and SW.; about 300 ft NE. of farmhouse, 33 ft W. of center of rd. and N. end of curve; 5 ft W. of power pole, 3 ft W. and 1 ft S. from fence cor.; in concrete post, standard tablet stamped "23 RDS 1952" 1252.675
- 0.8 UE; Bratsberg, 0.85 mi S. and W. of jct. of State Hwy. 43 and Co. Rd. 10; at field rd. N.; 24 ft N. and 12 ft E. and 1.418 ft lower than intersection; rail spike, telephone pole 1214.04
- 1.2 UE; Bratsberg, 0.35 mi S. and W. of jct. of State Hwy. 43 and Co. Rd. 10; at field rd. W.; 24 ft S. and 24 ft W. and 1.440 ft lower than intersection; rail spike in telephone pole 1249.08
- 1.6 UE; Bratsberg, at jct. of State Hwy. 43 and Co. Rd. 10; 21 ft N. and 36 ft W. and 1.884 ft lower than intersection; on corrugated culvert, painted square 1211.67
- 1.9 UE; Bratsberg, 0.3 mi S. of jct. of State Hwy. 43 and Co. Rd. 10; at T-jct. E.; 24 ft S. and 45 ft E. and 3.147 ft lower than intersection; on corrugated culvert; painted square 1177.05

LINE 7 (Cont'd)

FEET

LANESBORO QUAD. - 4

- 2.4 UE; Bratsberg, 0.3 mi S. and 0.45 mi E. of jct. of State Hwy. 43 and Co. Rd. 10; at field rd. N.; 42 ft N. and 12 ft W. and 4.683 ft lower than intersection; on corrugated culvert, painted square 1165.82

SPRING GROVE QUAD. - 3

- 2.9 "25 RWM 1963" (Described in Line 5) 1207.238

LINE 8

W. I. Mitka, 1954; Book CV-626

BROWNSVILLE QUAD. - 2 MINN., 79 WISC.

- 35.9 Eitzen, 1.5 mi W. of (airline); T. 101 N., R. 6 W., in SE $\frac{1}{4}$ sec. 36; 313 ft S. and 30 ft E. and 5.8 ft lower than center of rd. at T-rd. W.; 6 ft N. and 2 ft E. of power pole #114; 3 ft E. of fence, in concrete post; standard tablet stamped "103 WM 1954 1135" 1135.387
- 36.0 Reference Mark, 283 ft N. and 4 ft W. of tablet; 30 ft S. and 26 ft E. of center of rd. at T-rd. W.; on W. side of power pole; about 1 ft above ground; rail spike 1143.67
- 38.0 T. 101 N., Rs. 5 and 6 W., near S. sixteenth cor. between secs. 19 and 24; 35.5 ft NW. of SW. cor. of red garage, and 29.2 ft E. of center of abandoned rd. right-of-way; to reach the station from St. Luke's Evangelical Church at Eitzen, travel NW. on Route 76 for 2.8 mi to private drive on right. Go approx. 700 ft to station on right; in concrete post; standard tablet stamped "104 WM 1954" 1160.223
- 38.0 Reference Mark, 68 ft N. and 6 ft E. of tablet; 32 ft E. of center of rd., on W. root of 14 in. pine tree; copper nail and washer 1159.22
- 38.7 UE 1154.1; T. 101 N., Rs. 5 and 6 W.; near cor. secs. 13, 18, 19 and 24; 25 ft N. and 28 ft W. and 2.3 ft higher than center of rd. tangents N.-W.; on top of SE. base of concrete fence cor. post at SE. cor. of farmyard 1154.26
- 39.8 Eitzen, 3.8 mi N. and 1.2 mi W. of; 5.5 mi S. and 0.7 mi E. of Caledonia; T. 101 N., R. 5 W.; in NW $\frac{1}{4}$ sec. 18; 163 ft N. and 83 ft E. and 7.4 ft lower than center of rd. forks; 30 ft NW. of center of rd., 6 ft NW. of fence, in concrete post, standard tablet stamped "105 WM 1954 1064" 1064.117
- 39.8 Reference Mark, 24 ft NE. of tablet; 20 ft NW. of center of rd., on W. root of 6 in. tree; copper nail and washer 1063.09
- 40.9 UE 846.7; T. 101 N., R. 5 W.; near quarter cor. between secs. 7 and 8; 8 ft S. and 0.5 ft lower than center of rd. at E. end of bridge over Winnebago Creek; on top of S. end of E. abutment of bridge; chiseled square 846.91
- 41.2 Caledonia, 5.4 mi S. along Co. Rd. 5 from; T. 101 N., R. 5 W., in NW $\frac{1}{4}$ sec. 8; 420 ft N. and 110 ft W. and 5.6 ft higher than center of rd. at rd. W.; 26 ft W. of center of Co. Rd. 5; 10 ft W. of fence, 10 ft W. of telephone pole, in concrete post, standard tablet stamped "106 WM 1954 856" 855.794
- 41.2 Reference Mark, 42 ft NW. of tablet; 62 ft W. of center of rd., on S. root of 36 in. oak tree; copper nail and washer 856.74

LINE 8 (Cont'd)

FEET

BROWNSVILLE QUAD. - 2 MINN., 79 WISC.

- 41.8 UE 948.9; T. 101 N., R. 5 W., in SW $\frac{1}{4}$ sec. 5; 5 ft N. and 14 ft W. and 0.2 ft higher than center of concrete culvert over drain, on top of N. end of W. headwall, chiseled square 949.10
- 42.9 Caledonia, 3.8 mi S. along Co. Rd. 5 from; T. 101 N., R. 5 W., in NE $\frac{1}{4}$ sec. 6; 48 ft S. and 148 ft E. and 3.5 ft lower than center of rd. at private rd. S.; 47 ft NE. of center of rd., 2 ft N. and 7 ft W. of telephone pole, 3 ft SW. of fence; in concrete post, standard tablet stamped "107 WM 1954 1100" 1099.714
- 42.9 Reference Mark, 120 ft W. of tablet; on top of E. headwall of stone mason culvert over N. rd. ditch; chiseled square 1101.38
- 44.7 Caledonia, 2.0 mi S. along Co. Rd. 5 from; T. 102 N., Rs. 5 and 6 W.; near S. sixteenth cor. between secs. 25 and 30; 333 ft S. and 47 ft W. and 9.8 ft lower than center of rd. at private drive E.; 47 ft W. of center of rd., 3 ft E. of fence, 1.5 ft E. of telephone pole, in concrete post, standard tablet stamped "108 WM 1954 1160" 1159.701
- 44.7 Reference Mark; 183 ft N. of tablet; 47 ft W. of center of rd. on NE. side of telephone pole; about 1 ft above ground, rail spike 1164.15
- 46.8 Minnesota Geodetic Survey "HCW 6 1934" (Described in Line 2) 1174.276

LINE 9

R. L. Bullinger, 1971; Book CV-2688

BROWNSVILLE QUAD. - 2 MINN., 79 WISC.

- 1 46 0.0 Eitzen, 1.5 mi W. of (airline); T. 101 N., R. 6 W., in SE $\frac{1}{4}$ sec. 36; 313 ft S. and 30 ft E. and 5.8 ft lower than center of rd. at T-rd. W.; 6 ft N. and 2 ft E. of power pole #114; 3 ft E. of fence, in concrete post, standard tablet stamped "103 WM 1954 1135" 1135.387

SPRING GROVE QUAD. - 3 MINN.

- 47 0.7 UE 103 WM A; in Minnesota; Eitzen, 2.0 mi W. of; approx. 1700 ft W. of center of sec. 36, T. 101 N., R. 6 W., 17 ft S. and 13 ft W. of rd. at field entrance S. and 1.8 ft lower than; on W. end of corrugated tin culvert under field entrance S., punched hole 1115.55
- 50 1.8 UE 103 WM B; in Minnesota; Eitzen, approx. 3 mi W. of; in NW $\frac{1}{4}$ of sec. 35, T. 101 N., R. 6 W., 200 ft E. of T-rd. N., 7.5 ft S. of center of rd. at stone culvert, 0.8 ft W. of center of S. headwall, chiseled square 974.19
- 51 2.3 UE 103 WM C; in Minnesota; Eitzen, approx. 3.5 mi W. of; at quarter cor. between secs. 34 and 35, T. 101 N., R. 6 W., 35 ft S. and 26 ft W. of T-rd. S. and 1.2 ft lower than; rail spike in power pole 1104.50
- 53 3.3 In Minnesota; Eitzen, approx. 4.5 mi W. of; at quarter cor. between secs. 33 and 34, T. 101 N., R. 6 W., 30 ft N. and 30 ft E. of T-rd. S. and 1.6 ft lower than; 1.4 ft S. of right-of-way fence; 5.0 ft E. of power pole, standard rod supported tablet in 5 in. clay drain tile; stamped "10 RLB 1971" 1112.637
- 54 3.3 Reference Mark, 36 ft S. and 24 ft E. of T-rd. S.; rail spike in power pole 1114.90
- 55 4.2 UE 10 A; in Minnesota; Eitzen, approx. 5.2 mi W. of; in SW $\frac{1}{4}$ of sec. 33, T. 101 N., R. 6 W., 41 ft N. and 24 ft W. of rd. at drive E. and 2.9 ft higher than; rail spike in power pole 1090.56

LINE 9 (Cont'd)

FEET

SPRING GROVE QUAD. - 3 MINN.

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| 1 57 4.6 | UE 10 B; in Minnesota; At Bee; in SW $\frac{1}{4}$ sec. 33, T. 101 N., R. 6 W.; 9 ft S. and 10 ft W. of rd. at center of bridge and same elev. as; chiseled square on top of SW. wingwall | 900.16 |
| 59 5.5 | UE 10 C; in Minnesota; Bee, 0.75 mi W. of; in SW $\frac{1}{4}$ of sec. 32, T. 101 N., R. 6 W.; 24 ft S. of T-rd. N. and 2.7 ft lower than; on S. end of corrugated tin culvert; punched hole | 1093.08 |
| 60 6.1 | UE 10 D; on Iowa-Minnesota Line; Bee, 1.0 mi W. of; in SE $\frac{1}{4}$ of sec. 31, T. 101 N., R. 6 W.; 250 ft W. of T-rd. W., 14 ft S. of and 10 ft E. of center of bridge and 2.0 ft lower than; on SE. wingwall, a chiseled square | 1017.53 |
| 62 6.9 | Near Iowa-Minnesota line; Bee, 2.0 mi W. of; Spring grove, 4.5 mi SE. of; in SW $\frac{1}{4}$ of sec. 31, T. 101 N., R. 6 W.; 18 ft N. and 480 ft E. of crossroad; and 21.7 ft higher than; 2 ft W. of power pole, standard rod supported tablet in 5 in. drain tile, stamped "11 RLB 1971" | 1239.515 |
| 63 7.0 | Reference Mark, 40 ft S. and 25 ft E. of crossroad and 2.1 ft lower than; on E. end of corrugated tin culvert, punched hole | 1215.67 |
| 65 8.7 | BM "1173 34 LMT 1963" (Described in Line 2) | 1172.858 |

LINE 10

F. E. Clayton, 1977; Book CV-3388

DECORAH NO. 1 QUAD. - 260

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|-----------|---|---------|
| 1 58 14.2 | UE 4 B, 2.1 mi N. and E. along gravel road from BM, near W. sixteenth cor. between secs. 7 and 18, T. 100 N., R. 6 W., 58 ft S., 50 ft W. and 4 ft lower than T-rd. S., 9.5 ft S. and 1 ft E. of fence corner, set in gravel filled clay tile, top of 0.5-in. steel rod | 1247.60 |
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DECORAH NO. 1 QUAD. - 260

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|---------|--|---------|
| 62 15.2 | Reference mark, 40 ft S. and 25 ft E. of crossroads, and 2.4 ft lower than, on E. end of metal culvert; a punched hole | 1215.66 |
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SPRING GROVE QUAD. - 3 MINN.

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|---------|---|----------|
| 63 15.3 | BM, Bee, 2 mi W. of; Spring Grove, 4.5 mi SE. of; in SW $\frac{1}{4}$ of sec. 31, T. 101 N., R. 6 W., 18 ft N. and 480 ft E. of crossroad, and 21.7 ft higher than; 2 ft W. of power pole, a standard tablet in 5-in. diameter tile stamped "11 RLB 1971" | 1239.515 |
|---------|---|----------|