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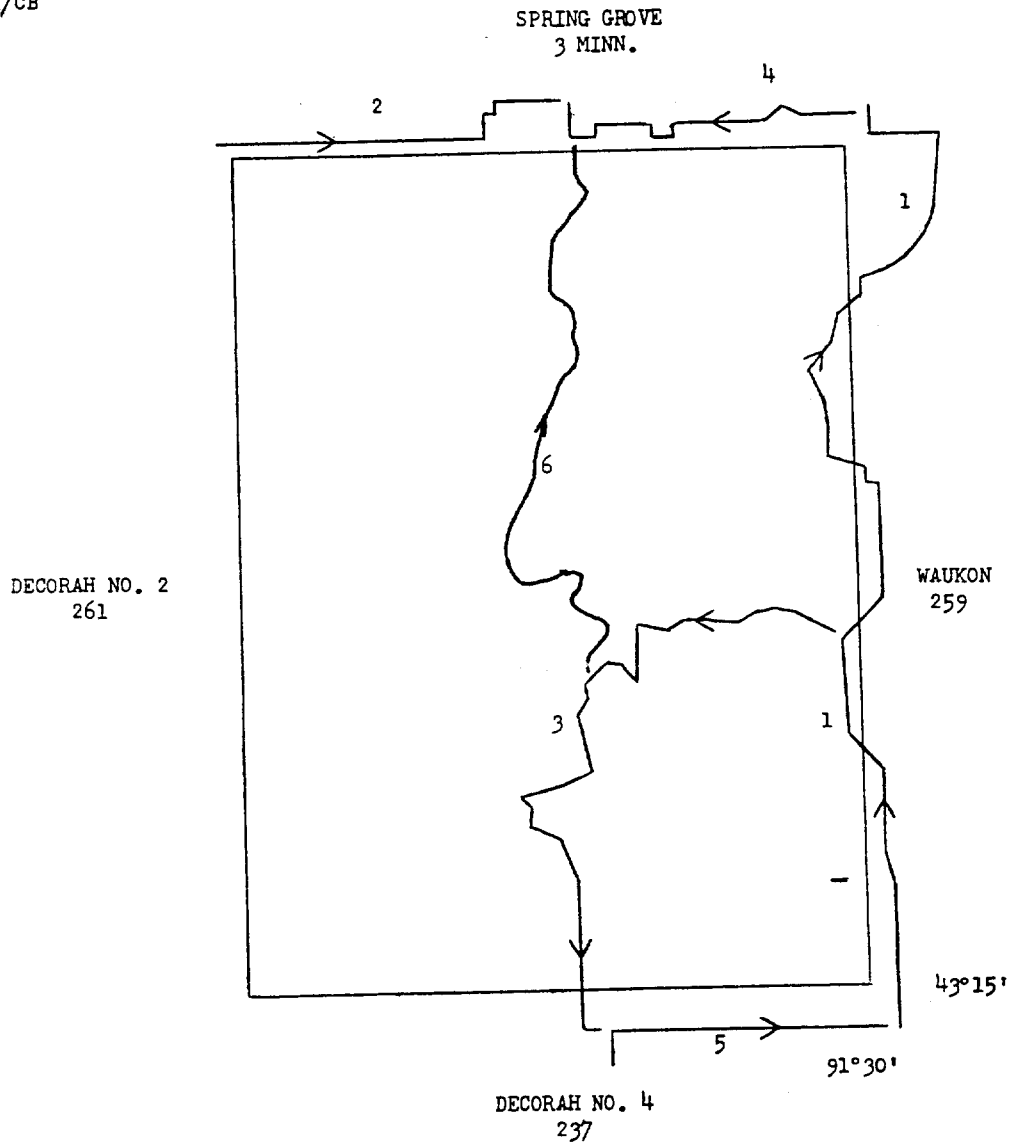
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

43-091-31
DECORAH NO. 1 QUADRANGLE
260 - IOWA
N4315-W9130/15
DIAGRAM NK 15-5
LACROSSE

Winneshiek and Allamakee Counties

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



260 B

LINE 1

FEET

W. E. Knouse, 1967; Book CV-2236

WAUKON NO. 3 QUAD. - 236

TRUNK LINE - LEVELED TWICE

- 17.3 UE 18 A; T. 97 N., Rs. 5 and 6 W.; about 0.25 mi N. of cor. secs. 1, 6, 7 and 12; 15 ft N. and 20 ft E. of rd. at farm drive E.; on top of N. end of concrete pipe culvert; chiseled square 1238.23
- 18.0 UE 18 B; T. 97 N., Rs. 5 and 6 W., about 0.1 mi N. cor. secs. 1, 6, 31 and 36; 10 ft W. of center of rd. at culvert; on top of W. concrete headwall of large culvert; chiseled square 1198.27
- 18.4 Reference Mark, T. 98 N., Rs. 5 and 6 W., about 0.1 mi S. of quarter cor. secs. 31 and 36; 10 ft S. and 18 ft W. of rd. at field entrance E.-W.; on top of S. end of concrete pipe culvert, chiseled square 1253.30
- 18.5 Waukon, at SW. edge of town; T. 98 N., Rs. 5 and 6 W.; about 0.1 mi S. of quarter cor. secs. 31 and 36; 54 ft N. and 31 ft W. of rd. at field entrance E.-W.; 3 ft E. of W. right-of-way fence, 2 ft NW. of telephone pole; on top of concrete post; a standard tablet stamped "19 WEK 1967" 1256.778
- 19.1 UE 19 A; T. 98 N., Rs. 5 and 6 W.; near cor. secs. 25, 30, 31 and 36; 44 ft S. and 24 ft E. of crossroad (jct. Hwy. 9 and 13 and gravel rd. S.); 3 ft NW. of iron sewer cover; on top of concrete sewer cover; chiseled square 1275.41
- 19.9 UE 19 B; T. 98 N., R. 6 W.; in NE $\frac{1}{4}$ sec. 25; about 0.2 mi N. of rd. crossing Hwy. 13; about 25 ft SW. of center of hwy.; on top NW. end of concrete pipe culvert, chiseled square 1279.30
- 21.0 Waukon, 1.0 mi N. from along State Hwy. 13, T. 98 N., R. 6 W., in N. central portion of sec. 24; 57 ft S. and 57 ft E. of crossroads; 1 ft W. of E. right-of-way fence; 2.5 ft SE. of power pole, on top of concrete post, standard tablet stamped "20 WEK 1967" 1304.921
- 21.0 Reference Mark, T. 98 N., R. 6 W.; in N. central portion of sec. 24, at center of hwy. and rd. crossing hwy., copper nail and washer 1306.30
- 22.1 UE 20 A; T. 98 N., R. 6 W., in SE $\frac{1}{4}$ of sec. 12, about 0.1 mi S. of curve in hwy., 141 ft S. and 24 ft E. of rd. at field entrance W.; about 180 ft S. of rd. at fence W.; on top and center of E. concrete headwall of box culvert; Iowa State Hwy. Comm. plug Elev. by USGS 1250.88
- 23.0 Reference Mark, T. 98 N., R. 6 W., in W. central portion of sec. 12, about 0.2 mi S. of T-rd. W.; 10 ft NW. of field entrance SW.; 36 ft SW. and perpendicular to center of hwy., on top N. end of concrete pipe culvert; chiseled square 1238.18

DECORAH NO. 1 QUAD. - 260

- 23.1 Waukon, about 3.0 mi N. along State Hwy. 13 from; T. 98 N., R. 6 W.; in W. central portion of sec. 12; about 0.2 mi S. of T-rd. W.; 64 ft SW. of center of hwy.; 14 ft NW. of field entrance SW.; about 1.5 ft NE. of right-of-way fence on SW. side of rd.; in top of concrete post, standard tablet stamped "21 WEK 1967" 1244.920
- 24.2 UE 21 A; T. 98 N., R. 6 W.; N. of quarter cor. secs. 1 and 2; about 0.3 mi S. of T-rd. W.; 23 ft ENE. of center of hwy., on top and center of E. headwall of concrete box culvert; chiseled square 1209.20
- 25.3 Reference Mark, T. 99 N., R. 6 W., in NW $\frac{1}{4}$ sec. 36; about 200 ft E. of T-rd. E.; 12 ft E. and 21 ft N. of rd. at field entrance N., on top of E. end of concrete pipe culvert; chiseled square 1226.23

FEET

LINE 1 (Cont'd)

DECORAH NO. 1 QUAD. - 260

- 25.3 Waukon, about 5.0 mi N. and 0.75 mi W. from; T. 99 N., R. 6 W., in NW $\frac{1}{4}$ sec. 36; about 200 ft E. of T-rd. E.; 75 ft N. and 9 ft E. of rd. at field entrance N.; 2 ft S. of N. right-of-way fence; 10 ft N. and 1 ft W. of power pole, in top of concrete post, standard tablet stamped "22 WEK 1967" 1227.118
- 25.9 UE 22 A; T. 99 N., R. 6 W., in NE $\frac{1}{4}$ sec. 36; 33 ft S. and 38 ft W. of T-rd. NE.; in E. side of telephone pole and 0.5 ft above ground; rail spike 1181.03

WAUKON QUAD. - 259

- 27.1 UE 22 B; T. 99 N., Rs. 5 and 6 W.; between NW $\frac{1}{4}$ sec. 30 and NE $\frac{1}{4}$ sec. 25; 36 ft N. and 24 ft E. of T-rd. N.; in W. side of power pole and 0.4 ft above ground; rail spike 1079.11
- 28.1 Reference Mark, T. 99 N., Rs. 5 and 6 W.; between NE $\frac{1}{4}$ sec. 24 and NW $\frac{1}{4}$ sec. 19; about 0.2 mi N. of T-rd. E.; 24 ft S. and 30 ft E. of rd. at drive E.; in W. side of telephone pole and 0.3 ft above ground; rail spike 1072.53
- 28.1 Waukon, about 7.0 mi N. from; about 0.2 mi N. of T-rd. E.; T. 99 N., R. 5 and 6 W.; between NE $\frac{1}{4}$ sec. 24 and NW $\frac{1}{4}$ sec. 19; 2 ft E. of W. right-of-way fence; 30 ft W. and 3 ft S. of rd. at drive E.; 18 ft S. and 30 ft W. of rd. at field entrance W.; on top of a concrete post; standard tablet stamped "23 WEK 1967" 1072.719
- 29.2 UE 23 A; T. 99 N., Rs. 5 and 6 W.; about 0.3 mi N. of T-rd. ENE.; near quarter cor. secs. 13 and 18, 16 ft E. and 9 ft N. of field entrance E., on top of N. end of concrete pipe culvert; chiseled square 972.10

DECORAH NO. 1 QUAD. - 260

- 30.3 Waukon, 9.0 mi N. and 1.0 mi W. from; T. 99 N., R. 6 W., in SW $\frac{1}{4}$ sec. 12; 90 ft N. of T-rd. E.; 18 ft E. of center of State Hwy. 13, on top and center of headwall of concrete box culvert; standard tablet stamped "24 WEK 1967" 785.543
- 30.3 Reference Mark, T. 99 N., R. 6 W., in SW $\frac{1}{4}$ sec. 12; 90 ft N. of T-rd. E., 18 ft W. of center of State Hwy. 13; on top of and near center of W. concrete headwall of box culvert; chiseled square 783.93
- 31.2 UE 24 A; T. 99 N., R. 6 W.; near cor. secs. 1, 2, 11 and 12; about 0.5 mi S. of bridge over Upper Iowa River; 27 ft W. of center of hwy., on top W. end of concrete pipe culvert; chiseled square 704.73
- 31.8 UE 24 B; T. 99 N., R. 6 W.; in E. central portion of sec. 2; 13 ft E. of center of hwy.; on NE. concrete wing of bridge over Upper Iowa River; State Hwy. Commission plug Elev. by USGS 690.64
- 32.1 Waukon, about 10.75 mi N. and 1.0 mi W. from; T. 99 N., R. 6 W.; near NE. cor. sec. 2; about 0.15 mi S. of T-rd. E.; 13 ft E. of center of State Hwy., on top S. end of E. walkway of bridge; a standard tablet stamped "25 WEK 1967" 693.277
- 32.2 Reference Mark; T. 99 N., R. 6 W., in NE. cor. of sec. 2; 13 ft E. of center of State Hwy.; on NE. concrete wing of bridge; State Hwy. Commission plug 693.24
- 32.8 UE 25 A; T. 100 N., R. 6 W., near center sec. 35; 13 ft E. of center of hwy., about 400 ft S. of T-rd. W.; on NE. wing of bridge, Iowa State Hwy. Commission plug Elev. by USGS 696.48
- 33.6 UE 25 B; T. 100 N., R. 6 W.; near cor. secs. 28, 29, 34 and 35; 13 ft SE. of center of hwy.; on SE. concrete wing of bridge; chiseled square 698.41
- 34.5 Waukon, 12.25 mi N. and 0.75 mi W. from; 1.25 mi S. of Dorchester; T. 100 N., R. 6 W.; in W. central portion of sec. 25; 13 ft SE. of center of rd.; 0.1 mi N. of T-rd. NW.; on top of SE. end of SE. walk of bridge; standard tablet stamped "26 WEK 1967" 718.96

LINE 1 (Cont'd)

FEET

DECORAH NO. 1 QUAD. - 260

- 34.5 Reference Mark; T. 100 N., R. 6 W.; in W. central portion of sec. 25; about 0.1 mi NE. of T-rd. NW.; on NE. end of SE. concrete bridge walk; Iowa State Hwy. Commission plug Elev. by USGS 718.32

WAUKON QUAD. - 259

- 35.5 UE 26 A; T. 100 N., R. 6 W., in E. central portion of sec. 24; about 240 ft NW. of Jct. of State Hwys. 13 and 19; 21 ft WSW. of center of State Hwy. 19; on top and S. end of W. headwall of culvert; chiseled square 745.21
- 36.7 UE 26 B; T. 100 N., R. 5 W.; in NE $\frac{1}{4}$ sec. 19; center of hwy. at T-rd. NW.; copper nail and washer 975.76
- 37.5 Dorchester, 0.5 mi N. and 1.5 mi E. from; T. 100 N., R. 5 W.; in SW $\frac{1}{4}$ sec. 17; 75 ft S. and 93 ft W. of T-rd. E.; 36 ft N. and 93 ft W. of T-rd. SE.; 2 ft E. of W. right-of-way fence; 93 ft W. and 39 ft S. of rd. at field entrance W.; in top of concrete post, a standard tablet stamped "27 WEK 1967" 1128.278
- 37.6 Reference Mark, T. 100 N., R. 5 W.; in SW $\frac{1}{4}$ sec. 17; 18 ft N. and 33 ft W. of rd. at field entrance W.; 30 ft S. and 33 ft W. of T-rd. E.; on top of N. end of concrete pipe culvert under field entrance W.; chiseled square 1117.17
- 38.4 UE 27 A; T. 100 N., R. 5 W., in SW $\frac{1}{4}$ sec. 8; center of hwy. at T-rd. W.; copper nail and washer 1123.51
- 38.7 Azimuth Mark for USC&GS Triangulation Station MINNOWA, 1961. The mark is 59 ft W. of the center of State Hwy. 13; 16 ft S. of the center of a field entrance, 2 ft NE. of a witness post, 2 ft N. of a telephone pole, and 1 ft E. of a wire fence; the monument is flush and the disk is stamped "MINNOWA 1961" 1131.615

BROWNSVILLE QUAD. - 79 WISC., 2 MINN.

- 39.2 Reference Mark No. 2 for USC&GS Triangulation Station MINNOWA, 1961. The mark is 79 ft E. of center of Hwy. 13; 51 ft S. of the fence cor. and 1 ft W. of the wire fence. The monument is flush and the disk is stamped "MINNOWA NO 2 1961" 1151.847
- 39.2 USC&GS Triangulation Station MINNOWA, 1961. The station is about 0.5 mi S. of Eitzen, Minnesota; about 0.05 mi S. of the Minnesota-Iowa State Line; on rd. right-of-way and is in the NW $\frac{1}{4}$ of sec. 8; T. 100 N., R. 5 W., it is 218 ft S. of the SW. cor. of a church house, 76 ft E. of the center of State Hwy. 13; 21 ft S. of a fence cor., 4 ft SW. of a witness post and 4 ft W. of a wire fence, the monument is flush and the disk is stamped "MINNOWA 1961" 1151.313
- 39.2 Reference Mark No. 1 for USC&GS Triangulation Station MINNOWA, 1961. The mark is 32 ft E. of the fence cor., 39 ft NE. of the witness post, 29 ft SW. of a 24 in. twin trunk elm tree and 1 ft N. of a wire fence; the monument is flush and the disk is stamped "MINNOWA NO 1 1961" 1151.076
- 40.0 UE Minnowa A; Ts. 100 and 101 N., R. 5 W.; near quarter sec. 31 and 7; 30 ft N. and 12 ft W. of rd. at drive N.; on W. end of corrugated steel culvert; punched hole 1047.46
- 41.1 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 No. 114; 3 ft E. of fence; in concrete post, standard tablet stamped "103 WM 1954 1135" 1135.387

LINE 2

FEET

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

LANESBORO QUAD. - 4 MINN.

- 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
- 2.0 UE A 149 B; T. 100 and 101 N., R. 8 W., at quarter cor. between secs. 11 and 35; a copper nail and washer center of Hwy. 28 at gravel rd. E. 1174.08
- 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., R. 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; S. and 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 nail 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.-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

LINE 3

FEET

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

DECORAH NO. 1 QUAD. - 260

1	2	0.0	BM "22 WEK 1967" (Described in Line 1)	1227.118
3	1.1		Reference Mark, at Hanover, in $S\frac{1}{2}$ of sec. 26, T. 99 N., R. 6 W., 29 ft S. and 56 ft E. of T-rd. W. and 1.9 ft lower than; in W. side of power pole, rail spike	1231.65
4	1.1		Waukon, 6 mi NNW. of; in $SE\frac{1}{4}$ of sec. 26, T. 99 N., R. 6 W., 90 ft N. of center of gravel rd., 144 ft W. of center of State Hwy. 97, 58 ft NW. of 14 in. maple tree, 63 ft SW. of SW. cor. of schoolhouse (abandoned), 2 in. underground, stamped "OVER 1961"	1240.469
5	1.8		UE Over A; Hanover, 1 mi W. of; in $E\frac{1}{2}$ of sec. 27, T. 99 N., R. 6 W., 35 ft S. of Y-rd. W. and 1.4 ft lower than; on S. side of power pole, rail spike	1225.35
6	2.7		UE Over B; Hanover, 1.5 mi W. of; in $SW\frac{1}{4}$ of sec. 27, T. 99 N., R. 6 W., 13 ft N. of center of rd. and 0.2 ft lower than center of N. concrete headwall of cattle underpass, chiseled square	1108.06
9	4.1		Hanover, 2.7 mi W. of; in $SW\frac{1}{4}$ of sec. 29, T. 99 N., R. 6 W., on bridge over Patterson Creek; 9.5 ft N. of center of W. end of bridge and higher than center of bridge, on SE. end of NW. wingwall of bridge, standard tablet stamped "6 RLB 1971"	754.150
10	4.1		Reference Mark, 290 ft W. of BM; 25 ft S. and 23 ft E. of T-rd. S. and 1.0 ft lower than, on E. end of corrugated tin culvert, punched hole	749.12
11	4.4		UE 6 A; Hanover, 0.5 mi S. and 3.0 mi W. of; near quarter cor. between secs. 29 and 32, T. 99 N., R. 6 W., 30 ft N. of T-rd. W. and 1.1 ft higher than; 8 ft W. of center N.-S. rd., on center of W. headwall of concrete box culvert, chiseled square	769.84
13	5.1		UE 6 B; Hanover, 3.7 mi W. of; in $SE\frac{1}{4}$ of sec. 30, T. 99 N., R. 6 W., 15 ft N. and 18 ft W. of private T-rd. W., (N.) and 0.8 ft lower than; S. end of concrete pipe culvert, chiseled square	1034.00
14	5.7		UE 6 C; Hanover, 0.5 mi S. and 3.5 mi W. of; in $NE\frac{1}{4}$ of sec. 31, T. 99 N., R. 6 W., 14 ft W. of center of rd. at culvert, and 2.1 ft lower than; on W. end of corrugated tin culvert, punched hole	1014.05
15	6.4		UE 6 D; Hanover, 1.5 mi S. and 3.5 mi W. of; near S. cor. of secs. 31 and 32, T. 99 N., R. 6 W., and N. line of sec. 6, T. 98 N., R. 6 W., 140 ft N. and 18 ft W. of T-rd. W., on W. end of corrugated tin culvert, punched hole	1051.08
17	7.4		Reference Mark, 30 ft S. and 58 ft E. of crossroad and 4.9 ft lower than; on S. end of corrugated tin culvert	773.46
18	7.5		Hanover, 1.0 mi S. and 4.5 mi W. of; in $W\frac{1}{2}$ of sec. 31, T. 99 N., R. 6 W.; 11 ft N., 104 ft W. of crossroad, on NE. cor. of concrete bridge, top of curb, standard tablet stamped "7 RLB 1971"	779.368
20	8.4		UE 7 A; Hanover, 1.5 mi S. and 4.7 mi W. of; near $N\frac{1}{2}$ line of sec. 1, T. 98 N., R. 7 W., 22 ft W. of center of rd. at culvert and 7.2 ft lower than; W. end of corrugated tin culvert, punched hole	1009.54
22	9.5		UE 7 B; Hanover, 2.5 mi S. and 4.7 mi W. of; near quarter cor. between secs. 1 and 12, T. 98 N., R. 7 W., 12 ft S. and 18 ft W. of rd. at field rd. W. and 1.3 ft lower than; top of S. end of corrugated tin culvert, punched hole	1179.03
24	9.6		USC&GS Triangulation Station GLENWOOD, 1961. The station is about 9.0 mi E. of Decorah; 8 mi NW. of Waukon; in the $NW\frac{1}{4}$ of sec. 12, T. 98 N., R. 7 W., and on the property of Mr. Joe Ryan. It is 207 ft W. of a large oak tree, 2 ft E. of a witness post and 1 ft S. of a fence, the monument is flush and the disk is stamped "GLENWOOD 1961"	1210.982

LINE 3 (Cont'd)

FEET

DECORAH NO. 1 QUAD. - 260

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| 1 25 9.7 | Reference Mark No. 1 is 134 ft W. of the oak tree, 75 ft E. of the witness post and 1 ft S. of the fence, the monument is flush and the USC&GS disk is stamped "GLENWOOD NO 1 1961" | 1208.084 |
| 26 10.2 | The Azimuth Mark is 27 ft E. of the center of the rd., 1 ft N. of a witness post and 1 ft W. of a fence; the monument projects 2 in. and the USC&GS disk is stamped "GLENWOOD 1961" | 1237.332 |
| 27 10.5 | UE Glenwood Azimuth Mark A; Waukon, 3 mi N. and 6.5 mi W. of; in SE $\frac{1}{4}$ of sec. 12, T. 98 N., R. 7 W., 52 ft N. and 31 ft W. of T-rd. N. and 9.2 ft lower than; on W. end of corrugated tin culvert, punched hole | 1151.01 |
| 29 11.2 | UE Glenwood Azimuth Mark B; Waukon, 3.0 mi N. and 7.5 mi W. of; in NW $\frac{1}{4}$ of sec. 13, T. 98 N., R. 6 W., 10 ft S. of E. end of bridge and 1.0 ft lower than; on S. end of E. concrete abutment, chiseled square | 859.48 |
| 32 12.2 | UE Glenwood Azimuth Mark C; Waukon, 3 mi N. and 8.5 mi W. of; in NW $\frac{1}{4}$ of sec. 14, T. 98 N., R. 7 W., 38 ft N. and 23 ft E. of center of grassy triangle at Y-rd. S. and 0.3 ft lower than; on power pole, rail spike | 1210.53 |
| 34 13.0 | Reference Mark, 23 ft N. and 30 ft W. of crossroad, on N. end of corrugated tin culvert, punched hole | 1172.08 |
| 35 13.0 | Waukon, 2 mi N. and 8 mi W. of; near quarter cor. between secs. 14 and 23, T. 98 N., R. 7 W., 34 ft S. and 52 ft W. of crossroad and 2.1 ft higher than; 1.0 ft N. of cor. fence post and in line with right-of-way fence S.; standard rod supported tablet in 5 in. drain tile, stamped "8 RLB 1971" | 1177.794 |
| 36 13.8 | UE 8 A; Waukon, 2 mi N. and 7 mi W. of; near W. sixteenth cor. between secs. 13 and 24, T. 98 N., R. 7 W., 24 ft S. and 57.0 ft W. of T-rd. N., and 5.5 ft lower than; on S. end of corrugated tin culvert, punched hole | 1150.90 |
| 37 14.6 | UE 8 B; Waukon, 1 mi N. and 7 mi W. of; in SW $\frac{1}{4}$ of sec. 24, T. 98 N., R. 7 W., 23 ft S. and 15 ft E. of rd. at barnyard entrance S.; E. end of corrugated tin culvert, punched hole | 1203.54 |
| 38 15.5 | Reference Mark, 38 ft S. and 25 ft W. of crossroad and 7.6 ft lower than; on S. end of corrugated tin culvert, punched hole | 1202.05 |
| 39 15.5 | Waukon, 0.5 mi N. and 7.0 mi W. of; near center of sec. 25, T. 98 N., R. 7 W.; 270 ft S. and 34 ft W. of crossroad, at SE. cor. of cemetery, 1.4 ft E. and 0.7 ft N. of cemetery fence cor. post | 1208.123 |
| 40 16.0 | UE 9 A; Waukon, 7 mi W. of; near quarter cor. between secs. 25 and 36, T. 98 N., R. 7 W., 18 ft E. of rd. at bend and 1.3 ft lower than; on E. end of small concrete box culvert, center of headwall; chiseled square | 1210.34 |
| 41 17.0 | UE 9 B; Waukon, 1 mi S. and 7 mi W. of; near quarter cor. between secs. 1 and 36, T. 97 and 98 N., R. 7 W., 1 ft N. and 47 ft E. of rd. at E.-W. fence line, and 4.5 ft higher than; 1 ft N. and 1 ft E. of fence cor., top of reinforcing rod projecting from concrete rd. right-of-way post (projecting approx. 1.0 ft above ground) | 1234.12 |

DECORAH NO. 4 QUAD. - 237

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| 42 18.0 | UE 9 C; Waukon, 2 mi S. and 7 mi W. of; near quarter cor. between secs. 12 and 14, T. 97 N., R. 7 W., 59 ft N. and 28 ft W. of T-rd. N. and 4.0 ft lower than; W. end of concrete pipe culvert, chiseled square | 1259.68 |
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FEET

LINE 3 (Cont'd)

DECORAH NO. 4 QUAD. - 237

- 1 44 18.5 Frankville, 3.5 mi N. and 0.5 mi E. of; Waukon, 2 mi S. and 6.5 mi W. of; near cor. of secs. 6 and 7, R. 6 W., T. 98 N.; and secs. 1 and 12, R. 7 W., T. 97 N.; 97 ft S. and 51 ft E. of State Hwy. 9 and N.-S. rd. crossing, stamped "4 RLB 1971" 1245.238

LINE 4

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

BROWNSVILLE QUAD. - 79 WISC., 2 MINN.

- 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
- 57 4.6 UE 10 B; in Minnesota; at Bee, in SW $\frac{1}{4}$ of 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

FEET

LINE 4 (Cont'd)

SPRING GROVE QUAD. - 3 MINN.

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|---|----|-----|---|----------|
| 1 | 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 |
| | | | | 1172.858 |
| | | | 65 8.7 BM "1173 34 LMT 1963" (Described in Line 2) | |

LINE 5

R. L. Bullinger, 1971; Book CV-2690

DECORAH NO. 4 QUAD. - 237

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|---|----|------|--|----------|
| 1 | 35 | 13.3 | UE 3 A; Frankville, 2.5 mi N. and 0.5 mi E. of; near cor. of secs. 12, 13, 7 and 18, T. 97 N., Rs. 6 and 7 W.; 102 ft N., 51 ft E. of T-rd. E. and 5.9 ft lower than; rail spike in power pole | 1244.67 |
| | | | 36 14.3 Reference Mark, 11.5 ft S. of crossroad, 0.5 ft N. of S. edge of concrete pavement; 1.0 ft E. of joint, chiseled square | 1248.83 |
| | | | 37 14.3 BM "4 RLB 1971" (Described in Line 3) | 1245.238 |
| | | | 38 15.1 UE 4 A; Waukon, 2 mi S. and 5.5 mi W. of; near cor. of secs. 5, 6, 7 and 8, T. 97 and 98 N., R. 6 W.; 11.7 ft N. of center of hwy. at crossroad, 0.3 ft S. of N. edge of pavement, 0.3 ft E. of joint, chiseled square | 1235.33 |
| | | | 39 16.2 UE 4 B; Waukon, 2.0 mi S. and 4.5 mi W. of; near cor. of secs. 4, 5, 8, and 9, T. 97 and 98 N., R. 6 W.; 33 ft S. and 23 ft E. of crossroad (Hwy. 9 E.-W., Hwy. 51 S., gravel rd. N.), 0.1 ft higher than crossroad, on NW. cor. of small traffic island, top of curb, chiseled square | 1209.70 |
| | | | 40 17.2 Waukon, 2.0 mi S. and 3.5 mi W. of; near cor. of secs. 3 and 4, 9 and 10, T. 97 and 98 N., R. 6 W., 102 ft S. and 36 ft W. of crossroad and lower than; standard rod supported tablet in 5 in. drain tile, stamped "5 RLB 1971" | 1205.037 |
| | | | 41 17.2 Reference Mark, 11.5 ft S. of crossroad and 0.15 ft lower than center; 0.5 ft N. of S. edge of pavement, chiseled square | 1211.86 |
| | | | 42 18.2 UE 5 A; Waukon, 2.0 mi S. and 2.5 mi W. of; near cor. secs. 2, 3, 10 and 11, T. 97 and 98 N., R. 6 W.; 11.5 ft S. and 0.5 ft E. of crossroad; 0.5 ft N. of S. edge of pavement, 0.5 ft E. of joint; on pavement, chiseled square | 1194.29 |
| | | | 43 19.2 UE 5 B; Waukon, 2.0 mi S. and 1.5 mi W. of; near cor. of secs. 1, 2, 11 and 12, T. 97 and 98 N., R. 6 W., 11.5 ft S. of crossroad, 0.5 ft N. of S. edge of pavement, 0.4 ft E. of joint, on pavement, chiseled square | 1221.22 |
| | | | 44 20.2 UE 5 C; Waukon, 2.0 mi S., 0.5 mi W. of; at cor. of secs. 1, 6, 12 and 7; T. 97 and 98 N., Rs. 5 and 6 W.; 11.5 ft S. of crossroad; 0.5 ft N. of S. edge of pavement, on pavement, chiseled square | 1235.72 |

WAUKON NO. 3 QUAD. - 236

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|----|------|---|----------|
| 45 | 20.7 | Waukon, 2.0 mi S. from; T. 97 N., Rs. 5 and 6 W.; near quarter cor. secs. 7 and 12; 31 ft E. of center of N.-S. rd.; 2.5 ft W. of E. right-of-way fence; 0.5 ft N. of fence cor. post; in top of concrete post; a standard tablet stamped "18 WEK 1967" | 1207.290 |
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LINE 6

FEET

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

DECORAH NO. 1 QUAD. - 260

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|----|-----|---|--|---------|
| 1 | 3 | 0.0 | BM, Hanover, 1 mi S., and 4.5 mi W. of; in W $\frac{1}{2}$ of sec. 31, T. 99 N., R. 6 W., 11 ft N. and 104 ft W., of crossroads, on NE. cor. of concrete bridge, top of curb, standard tablet stamped "7 RLB 1971" | 779.368 |
| 5 | 0.9 | UE 7 Z, .9 mi N. along gravel road from BM, in SW $\frac{1}{4}$ sec. 30, T. 99 N., R. 6 W., 13 ft S. and 71 ft W. centerline of steel bridge over upper Iowa River on SW. concrete abutment, a chiseled square | 760.85 | |
| 8 | 2.0 | UE 7 Y, 2 mi NW. along gravel road from BM, in NE $\frac{1}{4}$ of sec. 25, T. 99 N., R. 7 W., 53 ft N., 13 ft W. and normal to centerline of bridge on NE. cor. of curb of concrete bridge over Candle Creek, a chiseled square | 759.06 | |
| 10 | 3.1 | BM, Locust, 3 mi S. and 5.25 mi E. of, in NE. cor. of SE $\frac{1}{4}$ sec. 24, T. 99 N., R. 7 W., 1.04 mi N. along road from junction of Candle Creek and upper Iowa River, 152 ft SE., 36 ft SW. normal to road from road at drain, 17 ft NW. of small cedar tree, 1.5 ft NE. of fence, on top of copper coated steel rod driven to a depth of 15 ft, a standard tablet stamped "1 PC 1977" | 786.779 | |
| 11 | 3.1 | Reference mark, 153 ft NW. of BM, 13.5 ft NE. of and normal to centerline of rd. at drain on NE. end of metal pipe culvert, a punched hole | 785.07 | |
| 13 | 3.4 | UE 1 A, 0.3 mi W. along road from BM, in SE $\frac{1}{4}$ sec. 24, T. 99 N., R. 7 W., 13 ft S. and 13 ft E. small bridge, on SE. concrete wingwall, a chiseled square | 791.38 | |
| 16 | 4.3 | UE 1 B, 1.2 mi WSW. along gravel road from BM in SE $\frac{1}{4}$ sec. 23, T. 99 N., R. 7 W., 11.5 ft SE., 9 ft NE. and normal to road from centerline of bridge, on NE. concrete wingwall of bridge, a chiseled square | 853.79 | |
| 20 | 4.8 | UE 1 C, 1.8 mi WNW. along gravel road from BM, near center of sec. 23, T. 99 N., R. 7 W., 66 ft NE., 21 ft NW., and normal to road from T-rd. SE., 21 ft NW. and 9 ft SW. of field entrance on S. end of steel culvert, a punched hole | 975.65 | |
| 22 | 5.8 | UE 1 D, 2.7 mi W. and N. along gravel roads from BM, near center sec. 14, T. 99 N., R. 7 W., 58 ft E. of crossroads on N. end of bottom step to Sattre Store, a chiseled square | 1103.41 | |
| 25 | 6.5 | BM, Locust, 1.75 mi S. and 4.5 mi E. of; in SE. cor. sec. 11, T. 99 N., R. 7 W., 22 ft S., 15 ft E. center of bridge, on SE. concrete wingwall bridge, a standard tablet stamped "2 PC 1977" | 888.821 | |
| 26 | 6.6 | Reference mark, 48 ft NW. of BM, 22 ft N. and 16 ft W. and 0.7 ft higher than center of bridge, a chiseled square | 889.20 | |

LINE 6 (Cont'd)

DECORAH NO. 1 QUAD. - 260

FEET

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|------|------|---|----------|
| 1 29 | 7.7 | UE 2 A, 1.15 mi N. along gravel road from BM, in SW $\frac{1}{4}$ sec. 1, T. 99 N., R. 7 W., 33 ft N., 19 ft E. and 1.4 ft higher than T-rd. E., on N. end of E. concrete headwall of culvert; a chiseled square | 1040.83 |
| 33 | 8.1 | UE 2 B, 1.5 mi N. along gravel road from BM, 0.25 mi E $\frac{1}{2}$ cor. between secs. 1 and 2, T. 99 N., R. 7 W., 31 ft N., 3 ft W. and 3 ft lower than T-rd. S. (offset crossroad), on W. end of steel culvert; a punched hole | 1118.60 |
| 36 | 9.2 | BM, Locust, 1 mi N. and 5 mi E. of, in SE $\frac{1}{4}$ sec. 36, T. 100 N., R. 7 W., 198 ft NE., 33 ft NW., 13.7 ft higher than and normal to road at drive N.; 10 ft NE. of fence corner, 1 ft SE. of fence, 1 ft SE. of witness post on top of tile protected copper coated steel rod driven to a depth of 15 ft, a standard tablet stamped "3 PC 1977" | 1096.347 |
| 37 | 9.2 | Reference mark, 82 ft E. of BM, 13 ft SW., 21.0 ft SE. and normal to road at field entrance SE., on SW. end of steel culvert, a punched hole | 1103.22 |
| 39 | 9.9 | UE 3 A, 0.7 mi N. along gravel road from BM, near NE. cor. sec. 36, T. 100 N., R. 7 W., 29 ft S., 30 ft W. and 3.7 ft lower than road at drive E. (end of road, 1 ft E. of fence, top of steel rod set in gravel filled tile flush with ground | 1084.42 |
| 42 | 10.7 | UE 3 A, 0.7 mi N. along road from BM, thence 0.7 mi N. across country, 0.5 mi W. of Quandahl, approx. 800 ft E. of sec. 25, T. 100 N., R. 7 W., 0.1 mi S. of gravel road, 32 ft S., 10 ft W. and 1.2 ft higher than centerline of abandoned steel bridge over Bear Creek, on SW. concrete wing wall, a chiseled square | 836.91 |
| 48 | 11.5 | UE 3 C, 2.3 mi N. along gravel road from BM, near quarter cor. between secs. 24 and 25, T. 100 N., R. 7 W., 84 ft N., 27 ft W. and 10.6 ft lower than T-rd. SE. on W. end metal pipe culvert, a punched hole | 1035.07 |
| 51 | 12.1 | BM, Locust, 3 mi N. and 5 mi E. of, 0.1 mi N. of center sec. 24, T. 100 N., R. 7 W., 40 ft S. and 50 ft W. of road at field entrance E., 25 ft S. of S. gate post W. of road, 1 ft E. of fence, on top of steel rod driven to a depth of 15 ft set in gravel filled clay tile, flush with ground, a standard tablet stamped "4 PC 1977" | 1085.756 |
| 52 | 12.1 | Reference mark, 115 ft E. of BM, 15 ft N., 49 ft E. and 6 ft higher than road at field entrance E., 1 ft W. of fence, in gravel filled clay tile, top of 0.5 in. steel rod | 1091.80 |
| 56 | 13.2 | UE 4 A, 1.1 mi N. along gravel road from BM, 0.2 mi E. of center sec. 13, T. 100 N., R. 7 W., 205 ft E., 25 ft N. and 7.8 ft lower than road at drive S. on N. end of metal culvert; a punched hole | 1183.98 |
| 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 |

LINE 6 (Cont'd)

DECORAH NO. 1 QUAD. - 260

FEET

1 62 15.2 Reference mark, 40 ft S. and 25 ft E. of crossroad, and 2.4 ft lower than, on E. end of metal culvert; a punched hole 1215.66

SPRING GROVE QUAD. - 3 MINN.

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, standard tablet in 5-in. diameter tile stamped "11 RLB 1971" 1239.515

ISOLATED BENCH MARKS

T. 98 N., R. 6 W., SE. cor. of sec. 9; in SW. cor. of West Ridge School yard; iron post stamped "1254 DBQ" 1253.487

T. 99 N., R. 6 W., about 0.2 mi N. of SE. cor. of sec. 9; in NW. cor. of school yard, iron post stamped "731 DBQ" (Destroyed, 7-71, R.L. Bullinger) 729.578

T. 100 N., R. 6 W., NW $\frac{1}{4}$ sec. 23; 1 mi W. of Dorchester; NW. of road intersection by cemetery; iron post stamped "1087 DBQ" 1086.825

T. 100 N., R. 7 W.; SE. cor. of sec. 16; 2 mi N. of Highlandville; NW. cor. of road crossing; iron post stamped "1136 DBQ" 1135.833

T. 99 N., R. 7 W., sec. 15, 1 rod E. of NE. cor. of intersection of Locust and Sattre Roads; iron post stamped "1159 DBQ" 1158.943

T. 98 N., R. 7 W., 0.4 mi W. of SE. cor. of sec. 16; 2 rods N. of NW. cor. of road intersection; iron post stamped "845 DBQ" 844.805