

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

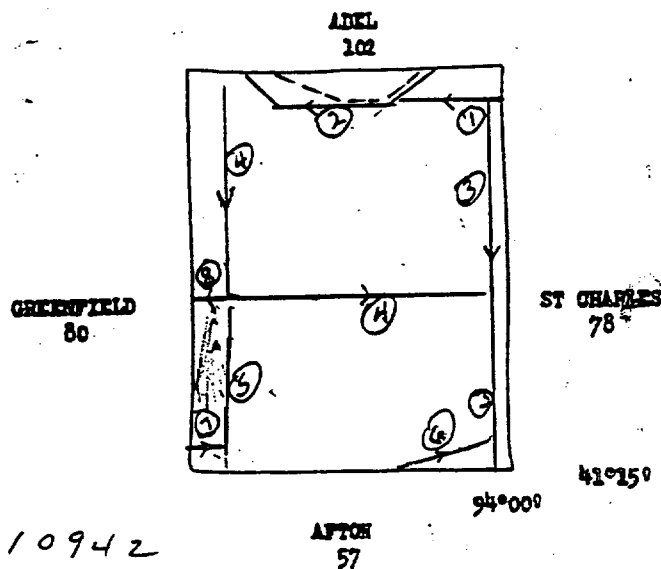
41-094-21

WINTERSET QUADRANGLE
79 - IOWA
N4115-W9400/15

Adair and Madison Counties

Edition of 04/11/83

Typed: HWB



USCAGS LEVELLING LINES

A. Council Bluffs to Des Moines, Iowa, 1951; First Order; Line No. 19

LINE 1

WEST ALONG EAST PORTION OF NORTH BORDER (R. L. Holcomb, 1948; Book CV 156)

- 19.1 DeSoto Depot, 2.6 mi SW. of, along Chicago, Rock Island and Pacific RR., 50 ft NE. of Dallas and Madison County line sign, 40 ft NW. of center of track, in E. side of telephone pole; rail spike 938.7
- 19.9 DeSoto Depot, 3.4 mi SW. of, along C., RI. and P RR., at second signal semaphere S. at a derail, 5-in. N. of N. rail on main line; on small street post 954.14
- 20.6 Earlham, 4.5 mi E. of, near S. sixteenth cor. sec. 1 and 2, T. 77 N., R. 28 W., rd. turn, 28 ft E. of rd. to N., 21 ft N. of rd. to W., 7 ft N. of gatepost, 1 ft W. of fence N.-S., in concrete post; standard tablet stamped "TT 5 MI 1948" 1058.361
- 21.6 T. 77 N., R. 28 W., near quarter cor. secs. 2 and 3, 890 ft S. of RR. crossing, 260 ft N. of T-rd. E., at T-rd. W., on NE corner of wooden bridge, 1.5 ft E. of edge; copper nail and washer on a 2 x 6 in. 957.4
- 22.7 Earlham, 3.0 mi E. of, 0.3 mi W. of N.-S. fence marking the $\frac{1}{2}$ section line of sec. 3, T. 77 N., R. 28 W., 47 ft W. of driveway to farm residence of C. W. Stanley, 38 ft W. of concrete fence post, 28 ft N. of rd., in concrete post; standard tablet stamped "TT 6 MI 1948" Elev. by USCAGS N46-80 LAP 1067.196
- 23.7 Earlham Depot, 2.2 mi E. of, along C. RI. and P. RR., sec. 9, T. 77 N., R. 28 W., 33 ft N. and 31 ft W. from RR. and rd. crossing, in E. side of telephone line pole; rail spike 1040.5
- 24.4 Earlham, about 1.5 mi E. of, along C. RI. and P. RR., at concrete culvert C. 385+85, in W. end of S. headwall; U.S.R.S. Standard disk stamped "Elev. 1065.575 ft." CAGS Elev. (reported covered by cattle guard and inaccessible, MVT-8/1/50). 1065.713

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LINE 1 (Cont'd)

Feet

- 25.3 Earlham, 0.5 mi E. of along C. RI. and P. RR., at SE. corner of Earlham graveyard and across rd. from 50 ft N. and 44 ft E. from RR. and rd. crossing, on N. side of concrete base of steel fence post; chiseled square 88\11\46 1093.73
- 25.8 Earlham, about 560 ft E. of C. RI. and P. RR. station, 196 ft E. of center of street about 126 ft S. of center of track, 103 ft S. of signal tower 3874; "USGS" standard cap stamped "1104.181" and riveted on a 3 1/2 in. iron pipe Elev. by USC463 1104.237

LINE 2

WEST ALONG WEST PORTION OF NORTH BORDER (R. L. Heleomb and R. J. George, 1948; Book CV 156)

- 1.0 Earlham Schoolhouse, 0.5 mi W. of, about 0.2 mi W. of E. quarter cor. sec. 1, T. 77 N., R. 29 W., 154 ft W. of T-rd. S., 102 ft E. and 26 ft N. from T-rd. N., 12 ft E. of corner fence post, in S. side of power line pole in fence; rail spike 1102.4
- 1.7 Earlham Schoolhouse, 1.3 mi W. of, near quarter corner between secs. 1 and 2, T. 77 N., R. 29 W., 24 ft S. and 24 ft E. from crossroads, in N. side of telephone pole; rail spike 1110.9
- 2.4 Earlham, 2.5 mi W. of; on Co. rd. "P", T. 77 N., R. 29 W., about 1320 ft W. of center of Sec. 2; 58 ft. N. and 228 ft. E. of T-rd. S., 61 ft S. of center of RR.; in concrete post; standard tablet stamped "TT 7 MT 1948 RESET 1976" (reset by Madison County Engineer) 1117.480
- 3.5 Earlham Schoolhouse, 3.1 mi W. of, near W. quarter cor. sec. 3, T. 77 N., R. 27 W., 150 ft E. of T-rd. E., 150 ft W. of T-fence N., 12 ft N. of rd., on headwall of concrete culvert; chiseled square 1066.08

LINE 3

SOUTH ALONG EAST BORDER (A. D. Pretzer, 1950; Book CV-372)

- 8.0 UE 11 A, 0.9 mi W. of "11 ADP 1950", 48 ft N., 18 ft E. and 1 ft lower than crossroads at U.S. Hry. 169, on E. end of concrete culvert; top of belt 955.9
- 0.5 UE 11 C, 0.5 mi S. of "UE 11 A", U.S. Hry. 169 at cross fence 977.8
- 1.3 UE 11 D, 1.3 mi S. of "UE 11 A", U.S. Hry. 169 at T-rd. W. 1059.9
- 1.6 UE 11 E, 1.7 mi S. of "UE 11 A", crossroads at U.S. Hry. 169 1059.1
- 2.3 Winterset, 9.1 mi N. of along U.S. Hry. 169, near center SE 1/4 sec. 13, T. 77 N., R. 28 W., 285 ft N. of T-rd. W., 263 ft S. of farm entrance W., 58 ft W. and 1 ft lower than rd., in concrete post; standard tablet stamped "12 ADP 1950" 1056.595
- 2.3 Reference mark, 132 ft S. of tablet, 28 ft W. of U.S. Hry. 169, on W. drain; chiseled square 1059.69
- 2.6 UE 12 A, 0.3 mi S. of tablet, U.S. Hry. 169 at T-rd. E. 1075.8
- 3.1 UE 12 B, 0.8 mi S. of tablet, U.S. Hry. 169 at farm entrance E. 1058.9
- 3.6 UE 12 C, 1.3 mi S. of tablet, 19 ft E. and level with U.S. Hry. 169, on S. end of concrete drain; chiseled square 950.43
- 3.9 UE 12 D, 1.6 mi S. of tablet, center of bridge at S. end, water elevation 23 ft lower 909.5
- 4.4 Winterset, 7.0 mi N. of along U.S. Hry. 169, near S. sixteenth cor. between secs. 25 and 30, T. 77 N., Rs. 27 and 28 W., 350 ft N. of crossroads, 64 ft E. and 2 ft lower than U.S. Hry. 169, 43 ft W. of angle in fence line, in concrete post; standard tablet stamped "13 ADP 1950" 1026.524

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	<u>Feet</u>
<u>LINE 3 (Cont'd)</u>	
4.4 Reference mark, 291 ft S. of tablet, 39 ft S. and 35 ft E. from crossroads, on E. end of concrete culvert; painted square	1030.54
4.9 UE 13 A, 0.5 mi S. of tablet, U.S. Hwy. 169 at drain E.	1042.5
5.2 UE 13 B, 0.8 mi S. of tablet, U.S. Hwy. 169 at crossroads	1068.7
5.7 UE 13 C, 1.3 mi S. of tablet, U.S. Hwy. 169 at drain W.	1045.8
6.4 Wintersset, 5.0 mi N. of along U.S. Hwy. 169, near quarter cor. between secs. 1 and 6, T. 77 N., R. 27 and 28 W., 21 ft S., 48 ft E. and level with hwy. at farm entrance W., at N. end of curve, in concrete post; standard tablet stamped "14 ADP 1950"	1032.139
6.4 Reference mark, 68 ft S. of tablet, 18 ft E. of U.S. Hwy. 169, on E. concrete drain; chiseled square	1029.75
7.1 UE 14 A, 0.7 mi S. of tablet, center of bridge at N. end; water elevation 15 ft lower	902.7
7.7 UE 14 B, 1.3 mi S. of tablet, U.S. Hwy. 169 at concrete drain	1031.9
8.3 Wintersset, 3.1 mi N. along U.S. Hwy. 169, near quarter cor. between secs. 13 and 18, T. 76 N., R. 27 and 28 W., 385 ft S. of T-rd. E., 47 ft E. and 3 ft higher than U.S. Hwy. 169, in concrete post; standard tablet stamped "15 ADP 1950"	1082.196
8.3 Reference mark, 456 ft S. of tablet, 17 ft E. of U.S. Hwy. 169, on E. concrete drain; chiseled square	1065.64
8.9 UE 15 A, 0.6 mi S. of tablet, U.S. Hwy. 169 at farm entrance E.	1082.8
9.2 UE 15 B, 0.9 mi S. of tablet, U.S. Hwy. 169 at T-rd. W.	1056.1
9.8 UE 15 C, 1.5 mi S. of tablet, center of bridge; Water Elevation 11 ft lower	1015.5
10.3 Wintersset, 1.1 mi N. along U.S. Hwy. 169, near quarter cor. between secs. 25 and 30, T. 76 N., R. 27 and 28 W., 180 ft N. of field entrance W., 66 ft W. and level with hwy. in concrete post; standard tablet stamped "16 ADP 1950" N4 6-80 JCO	1109.612
10.3 Reference mark, 160 ft S. of tablet, 14 ft N. and 70 ft W. from field entrance W., SE. side of telephone pole rail spike	1113.30
10.9 UE 16 A, 0.6 mi S. of tablet, rd. forks and junctions of hwy. 169 and 92, on marble cover	1116.8
11.4 UE 16 B, 1.1 mi S. of tablet, cross streets at NE corner of courthouse square	1122.5
11.7 UE 16 C, 1.4 mi S. of tablet, rd. forks at N. junctions of hwy. 92 and 169	1089.2
12.7 UE 16 D, 2.4 mi S. of tablet, hwy. at offset crossroads	944.7
12.8 Wintersset, 1.4 mi S. of along U.S. Hwy. 169, near quarter cor. between secs. 6 and 7, T. 75 N., R. 27 W., 447 ft N. of iron bridge over Middle River; 261 ft N. of T-rd. W., 34 ft W. and 3 ft higher than highway, in concrete post; standard tablet stamped "17 ADP 1950"	931.591
12.8 Reference mark, 447 ft S. of tablet, 10 ft W. of N. end of bridge, on NW. cor. of bridge; chiseled square	920.64
13.2 UE 17 A, 0.4 mi S. of tablet, hwy. at T-rd. E.	920.4
13.7 UE 17 B, 0.8 mi S. of tablet, hwy. at T-rd. E.	942.2
14.0 Wintersset, 2.6 mi S. of along U.S. Hwy. 169, quarter cor. between secs. 7 and 18, T. 75 N., R. 27 W., 565 ft S. of T-rd. W., 53 ft E. and 2 ft lower than hwy., in concrete post; standard tablet stamped "18 ADP 1950"	1007.020

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LINE 3 (Cont'd)

	<u>Feet</u>
14.0 Reference mark, 360 ft S. of tablet, 17 ft E. and level with hwy., on E. concrete drain; chiseled square	1028.83
14.4 UE 18 A, 0.4 mi S. of tablet, hwy. at T-rd. W.	1114.8
14.9 UE 18 B, 0.9 mi S. of tablet, hwy. at cross drains	1063.7
15.5 UE 18 C., 1.5 mi S. of tablet, hwy. at drain W.	1050.3
16.0 UE 18 D, 2.0 mi S. of tablet, hwy. at crossroads	1072.5
16.5 Winterset, 5.2 mi S. of along U.S. Hwy. 169, near quarter cor. between secs. 25 and 30, T. 75 N., Rs. 27 and 28 W., 315 ft S. of crossroads, 40 ft E. and level with hwy., 6 ft S. and 1 ft W. from T-fence E., in concrete post; standard tablet stamped "19 ADP 1950"	1145.634
16.5 Reference mark, 302 ft N. of tablet, 24 ft S. and 39 ft W. from hwy. at crossroads, on RR. rail	1144.32
17.1 UE 19 A, 0.6 mi S. of tablet, hwy. at T-fence W.	1108.6
17.6 UE 19 B, 1.0 mi S. of tablet, hwy. at T-fence W.	1114.3
18.1 UE 19 C, 1.5 mi S. of tablet, hwy. 169 and 307	1147.6

LINE 4

SOUTH ALONG WEST BORDER TO POINT NEAR CENTER WEST BORDER, THENCE EAST THROUGH CENTER OF QUADRANGLE
(A. D. Pretzer, 1950; Book CV-372)

0.5 UE 9 A, 0.5 mi S. of "TT 9 MI 1948", rd. at T-rd. E.	1126.9
1.0 UE 9 B, 1.0 mi S. of tablet, tangent with rd. N. and rd. W.	1140.3
1.5 UE 9 C, 1.4 mi SW. of tablet, rd. at T-rd. S.	1158.4
1.9 UE 9 D, 1.9 mi S. of tablet, rd. at cross fences	1165.0
2.4 Dexter, 1.0 mi S., thence 0.4 mi W., thence 0.9 mi S. from, in SE $\frac{1}{4}$ sec. 1, T. 77 N., R. 30 W., 200 ft N. of crossroads, 26 ft W. and 2 ft lower than rd., 14 ft S. and 1 ft E. from T-fence W., in concrete post; standard tablet stamped "27 ADP 1950" ^{NOT FOUND} 12-81 DEM	1155.959
2.4 Reference mark, 217 ft S. of tablet, 16 ft S. and 20 ft W. from crossroads, on S. end of concrete culvert; painted square	1161.95
2.9 UE 27 A, 0.5 mi S. of tablet, rd. at cross fence	1129.8
3.4 UE 27 B, 1.0 mi S. of tablet, crossroads	1160.7
3.9 UE 27 C, 1.5 mi S. of tablet, rd. at cross fences	1179.2
4.5 Dexter, 1.0 mi S., thence 0.4 mi W., thence 3.0 mi S. from, in NW $\frac{1}{4}$ sec. 19, T. 77 N., R. 29 W., 202 ft E. of crossroads, 31 ft S. and 3 ft lower than rd., in concrete post; standard tablet stamped "28 ADP 1950"	1169.919
4.5 Reference mark, 186 ft W. of tablet, 27 ft S. and 19 ft E. from crossroads, on E. end of galvanized culvert; painted square	1174.27
5.0 UE 28 A, 0.6 mi S. of tablet, rd. at cross fences	1194.0
5.5 UE 28 B, 1.1 mi S. of tablet, rd. at T-rd. W.	1185.8

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LINE 4 (Cont'd)

	<u>Feet</u>
6.0 UE 28 C, 1.6 mi S. of tablet, at fence corner on W. side of rd.	1191.6
6.6 Dexter, 1.0 mi S., thence 0.4 mi W., thence 5.1 mi S. from, along county rds., in NW $\frac{1}{4}$ sec. 31, T. 77 N., R. 29 W., 294 ft S. of crossroads, 30 ft E. and 1 ft lower than rd., in concrete post; standard tablet stamped "29 ADP 1950"	1163.871
6.6 Reference mark, 401 ft S. of tablet, 20 ft E. of rd., on E. end of galvanized culvert; painted square	1149.64
7.1 UE 29 A, 0.6 mi S. of tablet, center of bridge at N. end; water elevation 14 ft lower	1103.9
7.7 UE 29 B, 1.1 mi S. of tablet, rd. at T-fence W.	1120.8
8.1 UE 29 C, 1.5 mi S. of tablet, rd. at farm entrance E.	1112.0
8.6 "30 ADP 1950" (reported destroyed 11/52)	1148.155
8.6 Reference mark, 251 ft N. of tablet, 75 ft S. and 10 ft E. from rd. at farm entrance E., on E. headwall; chiseled square T 76 N - R 29 W cor secs 1-6 7-12	1137.42
9.1 UE 30 A, 0.4 mi S. of tablet, rd. at farm entrance E.	1161.1
9.5 UE 30 B, 0.9 mi S. of tablet, rd. at T-rd. W.	1221.6
10.0 UE 30 C, 1.4 mi S. of tablet, rd. at farm entrance E.	1225.7
10.7 Dexter, 1.0 mi S., thence 0.4 mi W., thence 9.1 mi S. from, along county rds., in NW $\frac{1}{4}$ sec. 19, T. 77 N., R. 29 W., 355 ft E. along T-rd. E., 28 ft S. and 1 ft lower than rd., in concrete post; standard tablet stamped "31 ADP 1950" NOT FOUND DEM 12-81	1187.953
10.7 Reference mark, 355 ft W. and 202 ft S. from tablet, 13 ft W. of rd., on W. concrete culvert; painted square	1191.40
11.3 UE 31 A, 0.7 mi E. of tablet, rd. at T-rd. S.	1190.0
11.7 UE 31 B, 0.9 mi E. of tablet, rd. at T-rd. N.	1205.5
12.1 UE 31 C, 1.4 mi E. of tablet, rd. at cross fences	1173.5
12.6 Dexter, 1.0 mi S., thence 0.4 mi W., thence 9.1 mi S., thence 2.0 mi E. from along county rds., 1.0 mi W. of Pitzer, in SW $\frac{1}{4}$ sec. 16, T. 76 N., R. 29 W., 290 ft E. of crossroads, 30 ft N. and 1 ft higher than rd., 28 ft W. and 1 ft S. from center of wooden gate, in concrete post; standard tablet stamped "32 ADP 1950" DESTROYED 12-31 DEM	1181.626
12.6 Reference mark, 146 ft E. of tablet, 26 ft S. of rd., on W. end of galvanized culvert; painted square	1173.18
13.2 UE 32 A, 0.6 mi E. of tablet, rd. at farm entrance S.	1207.9
13.6 UE 32 B, 1.0 mi E. of tablet, crossroads	1198.7
14.1 UE 32 C, 1.5 mi E. of tablet, rd. at cross fences	1166.7
14.7 Pitzer, 1.1 mi E. of along county rd., in SW $\frac{1}{4}$ sec. 14, T. 76 N., R. 29 W., 403 ft E. of crossroads, 33 ft N. of and 2 ft lower than rd., in concrete post; standard tablet stamped "33 ADP 1950"	1120.884
14.7 Reference mark, 36 ft N. and 116 ft E. from tablet, in N. side of power pole; rail spike	1122.71
15.1 UE 33 A, 0.4 mi E. of tablet, rd. at cross fences	1103.9
15.6 UE 33 B, 1.0 mi E. of tablet, rd. at T-rd. N.	1132.2

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LINE 4 (Cont'd)

		<u>Feet</u>
16.1	UE 33 C, 1.5 mi E. of tablet, rd. at crossfences	1120.6
16.6	Pitzer, 3.0 mi E. of along county rd., in SE 1/4 sec. 13, T. 76 N., R. 29 W., 357 ft W. of crossroads, 44 ft W. and 1 ft S. from fence corner, 44 ft N. of and 1 ft lower than rd., in concrete post; standard tablet stamped "34 ADP 1950"	1147.822
16.6	Reference mark, 123 ft E. of tablet, 55 ft N. of rd., in rest on S. side of 15-in. tree; copper nail and washer	1151.06
17.0	UE 34 A, 0.5 mi E. of tablet, rd. at cross fences	1193.6
17.5	UE 34 B, 1.0 mi E. of tablet, crossroads	1130.7
18.0	UE 34 C, 1.0 mi E. and 0.5 mi S. from tablet, rd. at T-rd. W.	1100.2
18.4	Pitzer, 4.0 mi E., thence 0.9 mi S. from along county rds., in SE 1/4 sec. 19, T. 76 N., R. 28 W., 740 ft N. of T-rd. E., 287 ft N. of wooden bridge, 98 ft W. of and 1 ft lower than rd., in concrete post; standard tablet stamped "35 ADP 1950" NOT FOUND DEM. 05-82	1065.040
18.4	Reference mark, 350 ft S. of tablet, 10 ft E. of wooden bridge, in SE. cor. of bridge; copper nail and washer	1067.34
19.0	UE 35 A, 0.6 mi E. of tablet, rd. at T-fence N.	1100.6
19.5	UE 35 B, 1.1 mi E. of tablet, rd. at T-rd. S.	1125.8
20.0	UE 35 W, 1.6 mi E. of tablet, rd. at cross fences	1133.7
18.4	Pitzer, 4 mi E. thence 0.9 mi S. from along Co. rds., T. 76 N., R. 28 W., in SE 1/4 Sec. 19; 710 ft. N. and 12 ft. E. of T-rd. E.; in concrete post; standard tablet stamped "35 ADP 1950 RESET 1976" (Reset by Madison County Engineer)	1071.380
20.5	Reference mark, 413 ft E. of tablet, 24 ft S. of rds., at T-rd. N., on W. end of galvanized culvert; painted square	1116.64
21.0	UE 36 A, 0.6 mi N. of tablet, rd. at T-rd. S.	1118.4
21.5	UE 36 B, 0.6 mi N. and 0.5 mi E. from tablet, rd. at T-rd. N.	1121.3
22.1	Wintersset, 2.2 mi N. along U.S. Hwy. 169, thence 2.0 mi W. from along county rd., near W. quarter cor. sec. 23, T. 76 N., R. 28 W., 266 ft E. of crossroads, 33 ft S. and level with rd., in concrete post; standard tablet stamped "37 ADP 1950" DESTROYED DEM. 07-82	1123.016
22.1	Reference mark, 384 ft E. of tablet, 20 ft S. of rd., on S. end of galvanized culvert; painted square	1117.06
22.5	UE 37 A, 0.5 mi E. of tablet, crossroads	1114.6
23.0	UE 37 B, 1.0 mi E. of tablet, rd. at T-fence S.	1117.7
23.4	UE 37 C, 1.4 mi E. of tablet, rd. at T-rd. S.	1114.5

LINE 5.

NORTH ALONG WEST BORDER (A. D. Pretzer, 1950; Beak CV 372)

0.6	UE 34 A, 0.6 mi N. of tablet, "34 RDS 1950" rd. at T-fence E.	1192.5
1.1	UE 34 B, 1.1 mi N. of tablet, crossroads	1234.4
1.6	UE 34 C, 1.5 mi N. of tablet, rd. at T-rd. E.	1255.1

<u>LINE 5 (Cont'd)</u>		<u>Feet</u>
2.0	Middle River, 4.5 mi S. of along county rds., in NW ¹ sec. 29, T. 75 N., R. 29 W., 218 ft S. of crossroads, 30 ft E. and level with rd., in concrete post; standard tablet stamped "38 ADP 1950"	1245.256
2.0	Reference mark, 314 ft N. of tablet, 92 ft N. and 18 ft W. from crossroads, on W. end of concrete culvert; chiseled square	1241.56
2.5	UE 38 A, 0.5 mi N. of tablet, rd. at T-fence E.	1215.9
3.0	UE 38 B, 1.0 mi N. of tablet, rd. at school entrance W.	1230.8
3.5	UE 38 C, 1.6 mi N. of tablet, rd. at T-rd. E.	1192.1
3.8	Middle River, 2.5 mi S. of along county rds., near quarter cor. between secs. 17 and 18, T. 75 N., R. 29 W., 0.3 mi N. of T-rd. E., 200 ft E. of farmhouse, 115 ft S. of farm entrance W., 33 ft W. of and 3 ft higher than rd., 20 ft S. and 1 ft E. from T-fence W., in concrete post; standard tablet stamped "39 ADP 1950"	1226.400
3.8	Reference mark, 103 ft N. of tablet, 10 ft S. and 36 ft W. from rd. at farm entrance W., in root on E. side of stump; copper nail and washer	1228.86
4.2	UE 39 A, 0.4 mi N. of tablet, rd. at farm entrance E.	1194.7
4.8	UE 39 B, 1.0 mi N. of tablet, center of bridge; water elevation 20 ft lower	1067.0
5.2	UE 39 C, 1.4 mi N. of tablet, Hvy. 92 at T-rd. S.	1140.9
5.4	Middle River, 1.0 mi S. of along county rd., near quarter cor. between secs. 6 and 7, T. 75 N., R. 29 W., 396 ft E. of T-rd. N., 120 ft W. and 1 ft S. from T-fence N., 42 ft N. of and level with State Hvy. 92, in concrete post; standard tablet stamped "40 ADP 1950"	1169.564
5.4	Reference mark, 64 ft W. of tablet, 25 ft N. of hvy. 92, on N. headwall; top of belt	1169.10 DESTROYED DEM 12-51
6.9	UE 40 A, 0.6 mi N. of tablet, center of bridge; water elevation 22 ft lower	1066.3
6.5	UE 40 B, 1.1 mi N. of tablet, rd. at T-rd. S.	1105.9
7.1	UE 40 C, 1.7 mi N. of tablet, center of bridge; water elevation 17 ft lower	1067.3
7.7	UE 40 D, 2.3 mi N. of tablet, center of bridge at S. end; water elevation 19 ft lower	1073.0
7.9	Middle River, 0.5 mi W., thence 1.0 mi N. from along county rd., near cor. secs. 25, 30, 31 and 36, T. 76 N., R. 29 and 30 W., 0.2 mi from iron bridge, 166 ft S. of T-rd. E., 24 ft W. of and level with rd., in concrete post; standard tablet stamped "41 ADP 1950"	1079.632
7.9	Reference mark, 155 ft N. of tablet, 13 ft W. of rd. at T-rd. E., on concrete headwall; chiseled square	1090.19 DESTROYED DEM 12-51
8.4	UE 41 A, 0.5 mi N. of tablet, rd. at T-fence E.	1218.9
8.9	UE 41 B, 1.0 mi N. of tablet, crossroads	1232.7
9.4	UE 41 C, 1.5 mi N. of tablet, rd. at cross fences	1227.0

LINE 6

EAST ALONG SOUTH BORDER (R. D. Searcy, 1950; Book CV 352)

19.2	Macksburg, 2.5 mi N. and 6.0 mi E. from near quarter cor. secs. 33 and 34, T. 75 N., R. 28 W., 264 ft W. of T-fence N., 27 ft S. of rd., 6 ft SW. of telephone pole, in concrete post; standard tablet stamped "38 RDS 1950"	1181.865
19.2	Reference mark, 245 ft NW. of tablet, on N. end of round concrete culvert; chiseled square	1173.9
19.3	UE 38 A, 264 ft E. of tablet, rd. at T-fence N.	1180.5

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WINTerset QUADRANGLE
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<u>LINE 6 (Cont'd)</u>	<u>Feet</u>
19.8 UE 38 B, about 0.5 mi E. of tablet, rd. at T-rd. W.	1169.4
20.0 UE 38 C, about 0.5 mi E., thence 0.3 mi N. from tablet, rd. at T-rd. E.	1175.4
20.8 UE 38 D, about 0.5 mi E., thence 0.3 mi N., thence 0.5 mi E., thence 0.3 mi N. from tablet, point of intersection of curve in main rd.	1170.8
21.0 UE 38 E, about 0.5 mi E., thence 0.3 mi N., thence 0.5 mi E., thence 0.3 mi N., thence 0.3 mi E. from tablet, rd. at T-rd. N.	1167.1
21.4 "39 RDS 1950" (reported destroyed 11/52)	1163.039
21.5 Reference mark, 168 ft N. of tablet, 28 ft E. of rd.; angle iron projecting 6-in.	1164.68
21.5 UE 39 A, 437 ft N. of tablet, rd. at T-rd. S.	1161.4
21.8 UE 39 B, about 0.3 mi E. of tablet, rd. at T-rd. N.	1158.4
22.3 UE 39 C, about 0.8 mi E. of tablet, rd. at T-rd. S.	1156.2
22.7 UE 39 D, about 1.3 mi E. of tablet, rd. at T-rd. S. and T-fence N.	1154.8

LINE 7

<u>IN SOUTHWEST CORNER OF QUADRANGLE (J. D. Finch, 1953; Book CV 564)</u>	<u>GREENFIELD QUAD. - 80</u>
10.9 UE 2 AA, 0.5 mi E. along gravel rd., in center of S. curb of bridge over Grand River, about 4-in. above bridge floor; 3/4 in. bolt	1155.4
11.4 UE 2 BB, 1.0 mi E. along gravel rd., on N. side of rd., in center of concrete culvert; chiseled square	1198.54
11.8 UE 2 CC, 1.4 mi E. along gravel rd., center of crossroads	1250.5
11.9 UE 2 DD, 1.5 mi E. along gravel rd., on S. side of rd., in center of concrete culvert; chiseled square	1223.16
<u>WINTerset QUAD. - 79</u>	
12.4 UE 2 EE, 2.0 mi E. along gravel rd., on S. side of rd., in power pole; rail spike	1276.50
12.7 Hebron, 0.2 mi N. and 2.2 mi E. of, 48 ft N. and 400 ft W. of crossroads, near cor. secs. 25, 30, 31 and 36, T. 75 N., R. 29 and 30 W., 21 ft E. of jog in fence, 12 ft E. of field rd. N. and wood gate, 3 ft S. of N. right-of-way fence, in concrete post; standard tablet stamped "TT 1 T 1953" <i>Not Found, W.M.H., 9/77</i>	1235.123
12.7 Reference mark, 40 ft SW. of tablet, in concrete culvert; chiseled square	1233.98
13.1 UE 1 AA, 0.4 mi E. along gravel rd., center of wooden bridge	1206.9

LINE 8

<u>WEST NEAR CENTER WEST BORDER (J. D. Finch, 1953; Book CV 564)</u>	
0.3 UE 31 A, 0.3 mi N. along gravel rd., center of T-rd. W.	1232.3
0.9 UE 31 B, 0.3 mi N. and 0.6 mi W. along gravel rd., on N. side of rd., in E. end of concrete culvert; chiseled square	1225.58
<u>GREENFIELD QUAD. - 80</u>	
1.3 UE 31 C, 0.3 mi S. and 1.0 mi W. along gravel rd., at NE. cor. of T-rd. E., in concrete culvert; chiseled square	1177.16
1.5 UE 31 D, 0.3 mi S., 1.0 mi W. and 0.2 mi N. along gravel rd., on SW. corner of T-rd. W., at front entrance to Harrison No. 6 School, in concrete step; chiseled square	1234.90
2.4 UE 31 E, 0.3 mi S., 1.0 mi W., 0.2 mi N. and 0.8 mi W. along gravel rd., on N. side of rd., in concrete culvert about 10 ft lower than rd.; chiseled square	1190.09