

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

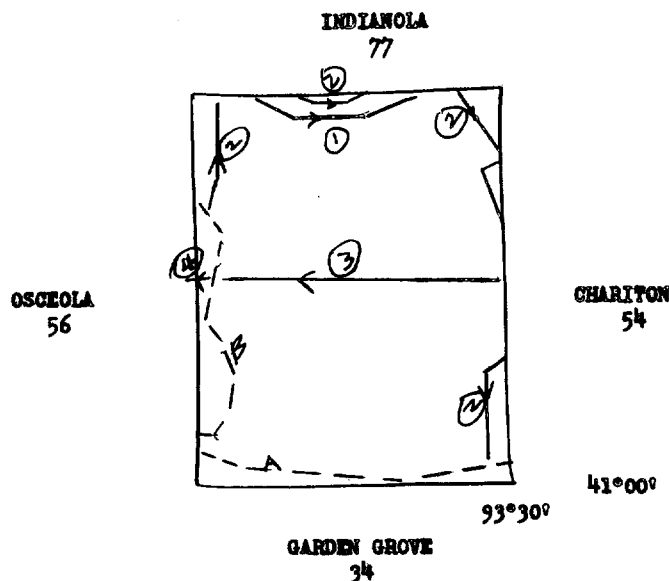
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NEW VIRGINIA QUADRANGLE
55 - IOWA
N4100-W9330/15

Clarke, Lucas
and Warren Counties

Edition of 11/10/60

Typed: vdc



USC&GS LEVELING LINES

- A. Creston to Eddyville, Iowa, 1943; Second order; Line No. 21
- B. Ogden to Smithland, Iowa, 1935-1936; Second order; Line No. 62

LINE 1

Feet

FROM SOUTHWEST CORNER OF INDIANOLA QUADRANGLE EAST ALONG HIGHWAYS NEAR NORTH BORDER (J. A. Shumate, 1928; Book B 2870)

Tps. 74 and 75 E., R. 24 W., near cor. secs. 5, 6, 31 and 32, 30 ft S. and 50 ft W. from crossroads, in concrete post; bronze tablet stamped "Prim Trav Sta No 6 LS 1924 IA" (reported not found R.D.S. 1/50) 993.282

LINE 2

FROM A POINT AT NEW VIRGINIA, NORTH ALONG WEST BORDER, THENCE EAST ALONG NORTH BORDER, THENCE SOUTH ALONG EAST BORDER TO A POINT ABOUT 1.9 MILES WEST OF LUCAS (R. D. Searcy, 1950; Book CV-952)

- 0.0 USC&GS standard disk stamped "B 116 1935" 1091.113
- 0.7 UE 116 A, T. 74 N., R. 25 W., near center NW. quarter cor. sec. 27, center of County rd. "K" at a T-rd. S. 1079.4
- 1.0 UE 116 B, T. 74 N., R. 25 W., near W. sixteenth cor. secs. 22 and 27, center of County rd. "K" at T-fence W. 1075.1
- 1.5 UE 116 C, near W. sixteenth cor. sec. 22, T. 74 N., R. 25 W., center of County Rd. "K" at T-rd. E. 1056.5
- 2.0 UE 116 D, 460 ft S. of "I RDS 1950", center of County rd. "K" at T-rd. E. 1050.5
- 2.1 New Virginia Post Office, 1.9 mi. N. along County rd. "K", near W. sixteenth cor. secs. 15 and 22, T. 74 N., R. 25 W., 460 ft N. and 29 ft W. from center of County rd. "K" at T-rd. E., 128 ft S. and 29 ft W. from center of rd. at private driveway W., in concrete post; standard tablet stamped "I RDS 1950" 1060.355

55 C

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LINE 2 (Cont'd)

	<u>Feet</u>
2.1 Reference mark, 148 ft NE. of tablet, 20 ft E. of center of rd., on the N. end of a concrete culvert; chiseled square	1054.06
2.5 UE 1 A, T. 74 N., R. 25 W., near W. sixteenth cor. sec. 15, center of County rd. "K" at private driveway E.	1046.3
3.0 UE 1 B, T. 74 N., R. 25 W., near W. sixteenth cor. secs. 10 and 15, center of County rd. "K" at intersection with rd. W.	1033.6
3.5 UE 1 C, T. 74 N., R. 25 W., near W. sixteenth cor. sec. 10, center of crossroads	898.7
3.7 UE 1 D, center of bridge over creek; water level = 18.0 ft. 5/16/50	901.6
4.0 New Virginia Post Office, 3.9 mi N. along County rd. "K", near W. sixteenth cor. sec. 10, T. 74 N., R. 25 W., 280 ft S. and 32 ft W. from center of rd. at T-rd. W., 70 ft N. of fence corner at T-fence W., in concrete post; standard tablet stamped "2 RDS 1950"	912.396
4.0 Reference mark, 186 ft N. of tablet, 32 ft W. of center of rd., on the W. end of a concrete culvert; chiseled square	908.33
4.0 UE 2 A, 280 ft N. of tablet, center of rd. at T-rd. W.	910.9
4.4 UE 2 B, T. 74 N., R. 25 W., near W. sixteenth cor. sec. 3, center of County rd. "K" at a private rd. W., at a curve in rd.	896.3
4.9 UE 2 C, T. 74 N., R. 25 W., near N. sixteenth cor. secs. 2 and 3, center of rd. at bridge over small creek, Water level = 11.0 5/16/50	901.2

[Jogs into Indianola Quadrangle]

7.8 New Virginia, 4.5 mi N. and 1.6 mi E. from, near cor. secs. 1, 2, 35 and 36, Tps. 74 and 75 N., R. 25 W., 174 ft E. of curve in graded dirt rd., 37 ft E. of private driveway N., 25 ft N. of center of rd., in concrete post; standard USGAGS and State Survey disk stamped "Sta No 132" Elev. by USGAGS	1003.902
7.8 Reference mark, 70 ft E. of disk, 30 ft N. of center of rd., in S. rest of 24-in. boxelder tree; copper nail and washer	998.32
7.9 UE 132 A, 787 ft E. of Sta. No. 132, center of wooden bridge over drain, Water level = 11.0 ft	935.2
8.5 UE 132 B, Tps. 74 and 75 N., R. 25 W., near quarter cor. secs. 1 and 36, center of rd. at T-rd. N.	879.3
8.7 UE 132 C, center of bridge over creek, Water level = 12.7 ft 5/17/50	877.8
9.1 UE 132 D, Tps. 74 and 75 N., Rs. 24 and 25 W., near cor. secs. 1, 6, 31 and 36, center of rd. at T-rd. S.	874.9
10.0 New Virginia, 4.5 mi N. and 2.8 mi E. from, near cor. secs. 5, 6, 31 and 32, Tps. 74 and 75 N., R. 23 W., 29 ft N. and 134 ft W. from center of crossroads, about 33 ft S. of farmhouse, in concrete post; standard USGAGS and State Survey disk stamped "Sta No 134" Elev. by USGS	995.313
9.9 Reference mark, 410 ft W. of tablet, 19 ft S. of center of rd., on S. concrete headwall; chiseled square	954.53
10.0 UE 134 A, 135 ft SE. of Sta. 134, center of crossroads	981.3

[Jogs into Indianola Quadrangle]

19.0 Liberty Center, 3.0 mi N. and 1.0 mi W. from, near crossroads at cor. secs. 4, 5, 32 and 33, Tps. 74 and 75 N., R. 23 W., 745 ft E. of crossroads, 275 ft E. of center of wooden bridge, 29 ft W. of fence corner, 29 ft S. of center of rd., 1 ft N. of fence, in concrete post; standard tablet stamped "TT 2 MT 1950"	844.803
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<u>LINE 2 (Cont'd)</u>	<u>Feet</u>
19.0 Reference mark, 70 ft SE. of tablet, 60 ft S. of center of rd., on S. edge of cement well platform; chiseled square	852.26
19.4 UE 2 A, Tps. 74 and 75 N., R. 23 W., near quarter cor. secs. 4 and 33, center of rd. at cross trails rd.	946.4
19.8 UE 2 B, Tps. 74 and 75 N., R. 23 W., near cor. secs. 3, 4, 33 and 34, center of U.S. Hwy. 65 at E.-W. section line rd.	927.0
20.3 UE 2 C, T. 74 N., R. 23 W., near quarter cor. secs. 3 and 4, center of U.S. Hwy. 65 at private driveway W.	936.1
20.8 UE 2 D, 596 ft N. of "TT 1 MT 1950", center of U.S. Hwy. 65 at T-rd. E. which is slightly offset from T-rd. W.	990.3
20.9 Liberty Center, 2.0 mi N. of, near cor. secs. 3, 4, 9 and 10, T. 74 N., R. 23 W., 590 ft S. of crossroads, 59 ft W. of center of U.S. Hwy. 65, 7 ft S. of telephone pole, 1 ft E. of fence, in concrete post; standard tablet stamped "TT 1 MT 1950"	1001.107
21.0 Reference mark, 396 ft S. of tablet, 18 ft W. of center of U.S. Hwy. 65, on W. concrete headwall; chiseled square	1003.62
21.3 UE 1 A, T. 74 N., R. 23 W., near quarter cor. secs. 9 and 10, center of U.S. Hwy. 65 at T-rd. W.	1009.2
21.8 UE 1 B, T. 74 N., R. 23 W., near cor. secs. 9, 10, 15 and 16, center of U.S. Hwy. 65 at T-rd. E.	1019.8
22.3 UE 1 C, T. 74 N., R. 23 W., near quarter cor. secs. 15 and 16, center of U.S. Hwy. 65 at E.-W. fence line	987.3
<u>[Jogs into Chariton Quadrangle]</u>	
22.9 Liberty Center, 40 ft N. and 25 ft W. from, cor. secs. 15, 16, 21 and 22, T. 73 N., R. 23 W., in NW. cor. of crossroads; iron post stamped "Prim Trav Sta No 6 1913 IOWA"	1028.565
23.2 Liberty Sta. Reference mark No. 1, 0.4 mi SE. of station, 319 ft SE. of the SE. cor. of a brick schoolhouse, 3 ft E. of fence corner N.-E., in concrete post; standard USGARS disk stamped "R.M. No. 1 1928"	1025.89
23.4 UE 6 A, T. 74 N., R. 23 W., near quarter cor. secs. 21 and 22, center of U.S. Hwy. 65 at T-fence E.	1021.0
23.9 UE 6 B, T. 74 N., R. 23 W., near cor. secs. 21, 22, 27 and 28, center line of U.S. Hwy. 65 at T-fence W. which is offset from T-fence E.	1013.2
24.4 UE 6 C, T. 74 N., R. 23 W., near quarter cor. secs. 27 and 28, center of U.S. Hwy. 65 at intersection of State Hwy. 206	1007.6
24.9 UE 6 D, 260 ft N. of "4 RDS 1950", center of U.S. Hwy. 65 at crossroads E.-W. by Hawkeye School	1031.8
<u>[Jogs into Chariton Quadrangle]</u>	
36.1 UE 8 D, T. 72 N., R. 23 W., near center NW. quarter sec. 9, center of dirt rd. at intersection of N.-S. rd.	1057.2
36.1 T. 72 N., R. 23 W., near center NW. quarter sec. 9, 200 ft NE. of Palestine Public School, 25 ft S. and 32 ft W. from center of crossroads; iron post stamped "Prim Trav Sta No. 7 1913 IOWA"	1057.518
36.1 Reference mark, 174 ft W. of tablet, on the NE. corner of concrete step to schoolhouse; chiseled square	1058.77

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<u>LINE 2 (Cont'd)</u>	<u>Feet</u>
36.9 UE 7 A, T. 72 N., R. 23 W., near quarter cor. secs. 9 and 16, incenter of rd. at T-rd. N.	1037.9
37.6 UE 7 B, T. 72 N., R. 23 W., near quarter cor. secs. 16 and 17, center of rd. at E.-W. fence line	1042.6
38.1 UE 7 C, T. 72 N., R. 23 W., near cor. secs. 16, 17, 20 and 21, center of hwy. 94, N.-S. section line rd.	1013.3
38.8 UE 7 D, 582 ft W. of USCAGS "T 110 1935", top of N. rail at rd. crossing	903.2
38.9 USCAGS standard disk stamped "T 110 1935"	898.453
39.6 UE 110 A, top of N. rail and rd. crossing	911.4
40.3 USCAGS standard disk stamped "U 110 1935"	903.541

LINE 3

FROM A POINT NEAR CENTER EAST BORDER, WEST THROUGH CENTER OF QUADRANGLE (R. D. Searoy, 1950; Book CV-352)

2.3 Norwood, 2.2 mi W. of, along a graveled rd., Liberty Center, 6.0 mi S. and 1.0 mi W. from near cor. secs. 16, 17, 20 and 21, T. 73 N., R. 23 W., 3/4 ft N. and 3/4 ft E. from center of rd. at a T-rd. S., 193 ft E. of E. end of curve in graveled rd., 8 ft W. of telephone pole, in concrete post; standard tablet stamped "9 RDS 1950"	1034.714
2.3 Reference mark, 3/4 ft W. of tablet, 3/4 ft N. of center of rd.; T-bar projecting 6 in.	1036.68
2.3 UE 9 A, 3/4 ft W. of tablet, center of rd. at T-rd. S.	1031.0
2.9 UE 9 B, T. 73 N., R. 23 W., near S. sixteenth cor. sec. 17, center of bridge over creek, water level = -8.4 ft. 5/31/50	920.3
3.3 UE 9 C, T. 73 N., R. 23 W., near center SW. quarter sec. 17, center of rd. at T-rd. N.	996.4
3.6 UE 9 D, T. 73 N., R. 23 W., near S. sixteenth cor. secs. 17 and 18, center of rd. at T-rd. S.	1035.6
4.1 Norwood, 0.2 mi N. and 3.8 mi W. from, Liberty Center, 5.8 mi S. and 2.5 mi W. from, near S. sixteenth cor. sec. 18, T. 73 N., R. 23 W., about 250 ft NE. of the NE. cor. of a farmhouse, 19 ft S. and 21 ft W. from point of intersection of curve in rd., 24 ft S. of T-fence W., in concrete post; standard tablet stamped "10 RDS 1950"	1040.776
4.1 Reference mark, 83 ft S. of tablet, 22 ft W. of center of rd.; T-bar projecting 5 in.	1041.28
4.8 UE 10 A, T. 73 N., R. 23 and 24 W., near cor. secs. 13, 18, 19 and 24, center of crossroads	1002.9
5.3 UE 10 B, T. 73 N., R. 24 W., near quarter cor. secs. 13 and 24, center of bridge over creek, Water level = -11.2 ft 5/31/50	948.9
5.8 Woodburn, 7.0 mi N. and 1.0 mi E. from, near cor. secs. 13, 14, 23 and 24, T. 73 N., R. 24 W., in the SE. corner of a schoolyard, 26 ft N. of center of rd., 9 ft N. of fence corner, 2 ft W. of section line fence, in concrete post; standard tablet stamped "TT 10 NT 1950"	1032.999
5.8 Reference mark, 66 ft NW of tablet, on NE. cor. of concrete pump base; chiseled square	1031.06
6.1 UE 10 A, T. 73 N., R. 24 W., near E. sixteenth cor. secs. 14 and 23, center of rd. at T-rd. W.	1044.9
6.4 UE 10 B, T. 73 N., R. 24 W., near quarter cor. secs. 14 and 23, center of rd. at T-rd. W.	1054.4
6.9 UE 10 C, T. 73 N., R. 24 W., near cor. secs. 14, 15, 22 and 23, center of rd. at T-rd. N.	1028.9

LINE 3 (Cont'd)

	<u>Feet</u>
7.8 UE 10 D, 500 ft E. of "TT 9 MT 1950", center of bridge over creek, Water level = -14 ft. 6/1/50	922.7
7.9 Woodburn, 7.0 mi N. and 1.0 mi W. from, near rd. forks at cor. secs. 15, 16, 21 and 22, T. 73 N., R. 24 W., 66 ft SE. (normal) of center of N.-S. rd., 63 ft E. along fence from NW. corner of schoolyard, 33 ft E.-NE. of 12-in. cedar, 1 ft N. of schoolyard, in concrete post; standard tablet stamped "TT 9 MT 1950"	919.589
7.9 Reference mark, 68 ft SW. of tablet, at NW. cor. of schoolhouse, on foundation; chiseled square	921.47
8.4 UE 9 A, T. 73 N., R. 24 W., near quarter cor. secs. 16 and 21, center of bridge over creek, water level = -12.3 ft 6/1/50	949.3
8.9 UE 9 B, T. 73 N., R. 24 W., near cor. secs. 16, 17, 20 and 21, center of rd. at T-rd. S.	1046.4
9.3 UE 9 C, T. 73 N., R. 24 W., near center of SE. quarter cor. sec. 17, center of bridge over Otter Creek, Water level = -13.0 ft. 6/1/50	932.1
10.1 Osceola, 8.4 mi NE. along U.S. Hwy. 69, thence 2.0 mi E. from, near S. sixteenth cor. secs. 17 and 18, T. 73 N., R. 24 W., 235 ft E. of crossroads, 24 ft E. of center of driveway N., 25 ft N. of center of rd., 3 ft N. of fence, in concrete post; standard tablet stamped "TT 8 MT 1950"	1022.388
10.1 Reference mark, 39 ft SW. of tablet, on W. end of round concrete culvert; chiseled square	1021.55
10.1 UE 8 A, 237 ft W. of tablet, center of crossroads	1018.9
10.7 UE 8 B, T. 73 N., R. 24 W., near S. sixteenth cor. sec. 18, center of rd. at a private drive S.	1041.7
11.1 UE 8 C, T. 73 N., Rs. 24 and 25 W., near S. sixteenth cor. secs. 13 and 18, center of rd. at T-rd. S.	1066.2
11.2 UE 8 D, T. 73 N., Rs. 24 and 25 W., near S. sixteenth cor. secs. 13 and 18, 20 ft N. and 102 ft W. from center of rd. at T-rd. S., on N. end of concrete headwall; chiseled square	1065.68
11.7 UE 8 E, T. 73 N., R. 25 W., near S. sixteenth cor. sec. 13, center of rd. at T-fence S.	1081.4
12.0 UE 8 F, 193 ft N. of "TT 7 MT 1950" center of U.S. Hwy. 69 at E.-W. rd.	1083.6
12.1 Osceola, 8.4 mi NE. of, along U.S. Hwy. 69 at Y-rd. in SW. quarter sec. 13, T. 73 N., R. 25 W., 280 ft SW. from crossroads, 36 ft NW. of center of hwy., 49 ft N. of curve marker, 8 ft S. of "Osceola" sign, in concrete post; standard tablet stamped "TT 7 MT 1950"	1086.585
12.2 Reference mark, 114 ft NE. of tablet, on N. end of gasoline pump base; chiseled square	1085.93
12.7 UE 7 A, T. 73 N., R. 25 W., near S. sixteenth cor. secs. 14, center of rd. at T-rd. N. and T-fence S.	1082.4
13.6 UE 7 B, T. 73 N., R. 25 W., near E. sixteenth cor. sec. 15, center of rd. at T-rd. W.	956.0
13.8 UE 7 C, T. 73 N., R. 25 W., near E. sixteenth cor. sec. 15, center of bridge over creek, Water level = -8.8 6/2/50	949.2
13.9 USGAS standard disk stamped "Z 115 1935"	949.900

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LINE 4

Feet

WEST NEAR CENTER WEST BORDER (R. D. Searey, 1950; Book OV-352)

0.0	USGARS standard disk stamped "2 115 1935"	949.900
0.3	Janison, in village of, near crossroads, in S. part of village at red tile black store building, 78 ft SW. of crossroads along rd., 18 ft SE. of center of rd., 5 ft NW. of fence, in concrete post; USGARS and State Survey disk stamped "No. 150" Elev. by USGS	966.987
0.6	UE 115 A, 0.7 mi W. of "2 115 1935" along rd., N.-S. rd. at intersection with T-rd. E.	1031.0
1.0	UE 115-B, 1.0 mi SW. of tablet, near W. end of curve, rd. at short fence line N.	1049.7
1.3	UE 115 C, 1.3 mi SW. of tablet, center of wooden bridge over drain, 7 ft above bottom of drain	947.1