

THIRD-ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

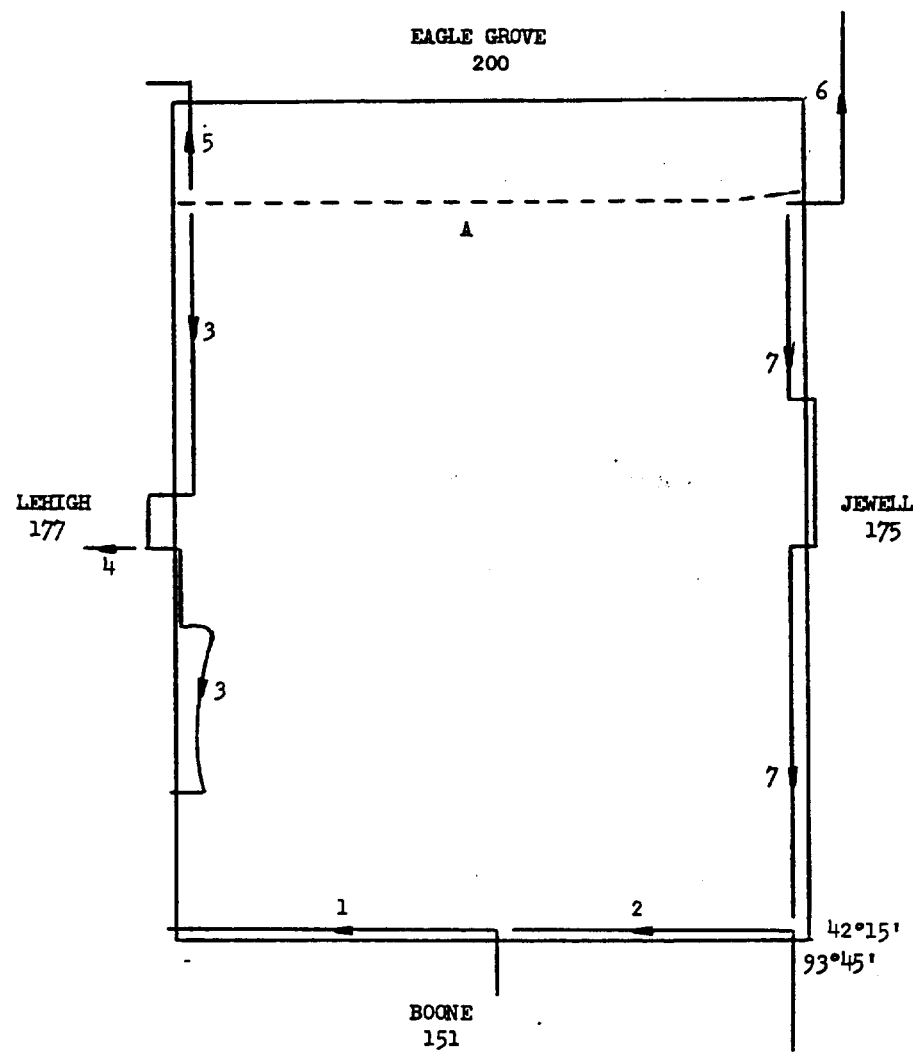
42-093-34
WEBSTER CITY QUADRANGLE
176 - IOWA
N4215-W9345/15
DIAGRAM NK 15-5
WATERLOO

Final Adjustment of 1975

Webster and Hamilton Counties

Edition of: 3-14-75

PR: ADP/cb



N.G.S. (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle No. 420933

176A

LINE 1

FEET

W.K. McGurley, 1964; Book CV-1736

BOONE QUAD. - 151

- 12.8 Reference mark, 230 ft SSW. of tablet; on N. side of power line pole; a lag bolt 1080.43
- 12.8 Stanhope, 2.7 mi S. and 4 mi W. of; T. 86 N., R. 26 W., near N. sixteenth cor. between secs. 21 and 22; 487 ft S. and 38 ft E. of center of road at fence line W.; 2.8 ft lower than center of road opposite; 3 ft W. of telephone pole; and E. right-of-way fence line; in concrete post; standard tablet stamped "ET 6 JA 1964 1080" 1080.029
- 13.1 UE 6 JA A, 0.35 mi N. of tablet; T. 86 N., R. 26 W., near cor. secs. 15, 16, 21 and 22; 23 ft S., 25 ft W. and 1.8 ft lower than crossroads; on top of concrete headwall; a chiseled square 1082.07
- 14.1 UE 6 JA B, 0.35 mi N., thence 1 mi W. of tablet; T. 86 N., R. 26 W., near cor. secs. 16, 17, 20 and 21; 30 ft N., 11 ft W. of and 4.2 ft lower than center of road at T-rd. S.; on top of round concrete culvert; under driveway N.; a chiseled square 1085.11
- 15.1 UE 6 JA C, 0.35 mi N., thence 1.96 mi W. of tablet; T. 86 N., R. 26 W., near cor. secs. 17, 18, 19 and 20; 36 ft S., 17 ft W. of and 1.6 ft lower than driveway S. in NW. side of power pole, a lag bolt 1111.12
- 16.3 Stratford, 1 mi S. and 0.75 mi W. of; T. 86 N., R. 27 W., near E. sixteenth cor. between secs. 13 and 24; 31 ft N., 161 ft W. of and 0.9 ft higher than N.-S. fence line; 2 ft NW. of second powerline pole W. of farmhouse; 1 ft S. of N. right-of-way fence; in top of concrete post; standard tablet stamped "34 WMC 1964 1129" 1129.116
- 16.3 Reference mark, 645 ft W. of tablet; 32 ft N. and 16 ft E. of center of road at driveway N.; in power pole a lag bolt 1127.94
- 18.8 UE 34 WMC B, 2.4 mi W. of tablet; T. 86 N., R. 27 W., near W. sixteenth cor. between secs. 15 and 22; in center of State Hwy. 175 at T-rd. S., copper nail and washer 1109.39
- 19.3 Stratford, 1 mi S. and 3.7 mi W. of; T. 86 N., R. 27 W., near quarter cor. between secs. 16 and 21; at NE. corner of bridge over Des Moines River; in top of NE. wingwall and 0.9 ft higher than center of road at E. end of bridge; a standard tablet stamped "35 WMC 1964 955" 954.927
- 19.6 Reference mark, 20 ft N. of tablet; on top of concrete curb at SE. corner of bridge; over Des Moines River; a chiseled square 954.71

OGDEN QUAD. - 152

- 21.3 UE 35 WMC C, 1.88 mi W. of tablet; T. 86 N., R. 27 W., near quarter cor. between secs. 19 and 20, 77 ft N., 22 ft E. of and 3.9 ft lower than crossroads; on top of round concrete culvert; a chiseled square 1129.47
- 21.9 UE, Pilot Mound, 0.5 mi W. and 4.9 mi N. of; cor. secs. 19, 20, 29 and 30; T. 86 N., R. 27 W., 665 ft S. of T-rd. W.; 24 ft E. of center of road, on E. end of concrete culvert; chiseled square 1127.290

LINE 2

W.K. McGurley, 1964; Book CV-1736

BOONE QUAD. - 151

- 15.2 Stanhope, 2.5 mi S. and 2 mi E. of; T. 86 N., R. 25 W., near cor. secs. 15, 16, 21 and 22; 209 ft S., 30 ft E. of and 1.1 ft higher than center of crossroads; in top of concrete post; standard tablet stamped "40 WMC 1964 1096" 1095.308

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LINE 2 (Cont'd)

BOONE QUAD. - 151

FEET

- 15.2 Reference mark, 190 ft NNW. of tablet; in SW. corner of crossroads; in power pole; a lag bolt 1092.16
- 16.1 UE 40 WMC A, 0.9 mi W. of tablet; T. 86 N., R. 25 W., near W. sixteenth cor. between secs. 16 and 21; 35 ft S., 18 ft E. of and 0.7 ft lower than center of road at drive S.; in power pole; a lag bolt 1110.98
- 17.3 UE 40 WMC B, 2.06 mi W. of tablet; T. 86 N., R. 25 W., near cor. secs. 17, 18, 19 and 20; 225 ft S., 15 ft W. of and 0.7 ft higher than crossroads; on top of concrete headwall and curb; a chiseled square 1055.35
- 18.4 Stanhope, 2.5 mi S. and 1 mi W. of; T. 86 N., R. 26 W., 715 ft W. of SE. cor. of sec. 13, 15 ft N., of center of road, in NW. wingwall of concrete bridge and 2.3 ft higher than center of bridge; a standard tablet stamped "41 WMC 1964 1048" 1047.708
- 18.4 Reference mark, 205 ft WNW. of tablet; 27 ft N. and 14 ft W. of driveway N. to barn, on top of round concrete culvert; chiseled square 1045.53
- 19.4 UE 41 WMC A, 0.98 mi W. of tablet; T. 86 N., R. 26 W., 592 ft W. of cor. secs. 13, 14, 23 and 24; 27 ft N. of center of road and 0.8 ft higher than crossroads; on E. end of round concrete culvert under field entrance N.; a chiseled square 1062.21
- 20.3 UE 41 WMC B, 1.88 mi W. of tablet; T. 86 N., R. 26 W., near cor. secs. 14, 15, 22 and 23; 35 ft N., 35 ft W. of and 1 ft lower than crossroads; in power pole; a lag bolt 1086.28
- .3 "UE 6 JA A" (Described in Line 1) 1082.07

LINE 3

W.K. McGurley, 1964; Book CV-1770

WEBSTER CITY QUAD. - 176

- 0.0 Duncombe, at; 303 yards E. of the I.C. RR. station opposite milepost 364, 40 yards E. of road crossing, 44 ft S. of S. rail, and 2.5 ft N. of the right-of-way fence; a US&GS standard disk stamped "D 32 1934" set in top of concrete post projecting 4-in. above ground 1105.995
- 1.1 UE D 32 A, 1 mi S. of tablet; T. 88 N., R. 27 W., cor. secs. 3, 4, 9 and 10; 20 ft N., 38 ft W. of and 2.4 ft lower than crossroads; on top of concrete culvert; a chiseled square 1097.74
- 2.1 UE D 32 B, 2 mi S. of tablet; T. 88 N., R. 27 W., cor. secs. 9, 10, 15 and 16; 18 ft N., 54 ft E. of and 3.8 ft lower than T-rd. E.; on top of concrete culvert; a chiseled square 1097.64
- 3.3 Reference mark, 33 ft NE. of tablet; on SW. end of N. concrete wingwall; a chiseled square 1086.24
- 3.3 Duncombe, 3.28 mi S. of; T. 88 N., R. 27 W., near N. sixteenth cor. between secs. 21 and 22, at concrete box culvert; in NE. end of S. wingwall; 12 ft W. of and 0.6 ft higher than center of road at culvert; a standard tablet stamped "26 WMC 1964 1086" 1086.244
- 4.1 UE 26 WMC A, 0.86 mi S. of tablet; T. 88 N., R. 27 W., cor. secs. 21, 22, 27 and 28; 40 ft S., 24 ft W. of and 0.6 ft lower than T-rd. W.; on top of concrete culvert; a chiseled square 1031.30
- 5.1 UE 26 WMC B, 1.85 mi S. of tablet; T. 88 N., R. 27 W., cor. secs. 27, 28, 33 and 34; 27 ft N., 38 ft W. of and 1.3 ft higher than crossroads; on top of steel culvert 1031.31
- 5.7 UE 26 WMC C, 2.4 mi S. of tablet; T. 86 N., R. 27 W., near quarter cor. between secs. 33 and 34; 170 ft S., 34 ft E. of and 1.3 ft lower than T-rd. E.; in power pole; a lag bolt 1088.76
- 1 UE 26 WMC D, 2.87 mi S. of tablet; T. 87 and 88 N., R. 27 W., near cor. secs. 3, 4, 33 and 34; at right angle curve in road, 31 ft S. of a point on tangent of road going W. and road going N., also level with same point; in power pole; lag bolt 1090.53

LINE 3 (Cont'd)

WEBSTER CITY QUAD. - 176

FEET

- 6.7 Lehigh, 1.8 mi N. and 2.5 mi E. of; Tps. 87 and 88 N., R. 27 W., near quarter cor. between secs. 4 and 33; 34 ft S., 81 ft W. of and 1 ft higher than center of road at field road S.; in top of concrete post; standard tablet stamped "27 WMC 1964 1096" 1095.657
- 6.7 Reference mark, 100 ft NE. of tablet; on E. end of steel culvert 1092.82
- 7.7 UE 27 WMC A, 1 mi S. of tablet; T. 87 N., R. 27 W., quarter cor. between secs. 4 and 9; 40 ft N., 16 ft W. of and 3.5 ft lower than center of road at field road N.; on top of concrete culvert; a chiseled square 1091.26
- 8.2 UE 27 WMC B, 1 mi S. thence 0.5 mi E. of tablet; T. 87 N., R. 27 W., cor. secs. 3, 4, 9 and 10; 34 ft S., 24 ft W. of and 2.9 ft lower than T-rd. SE., thence S.; on top of concrete culvert; a chiseled square 1080.21
- 9.1 UE 27 WMC C, 1 mi S. thence 0.5 mi E. thence 0.9 mi S. of tablet; T. 87 N., R. 27 W., near S. sixteenth cor. between secs. 9 and 10; 40 ft S., 26 ft W. of and 0.6 ft lower than center of road at drive SW. thence W.; in power pole; a lag bolt 1089.52
- 9.7 UE 27 WMC D, 1 mi S., thence 0.5 mi E. thence 1.5 mi S. of tablet; T. 87 N., R. 27 W., about 0.28 mi W. of quarter cor. between secs. 15 and 16; at a dip in the road; portion of road at dip is concrete; on S. end of concrete portion; a chiseled square 936.94
- 10.2 Lehigh, 0.8 mi S., and 3 mi E. of; T. 87 N., R. 27 W., near quarter cor. between secs. 15 and 16, 85 ft ESE. along road (from SE. end of half circle drive to farm house) thence 24 ft WSW. normal to road, 1.8 ft lower than SE. end of a half circle drive and center of road; in top of concrete post; standard tablet stamped "28 WMC 1964 976" 975.902
- 10.2 Reference mark, 195 ft ESE. of tablet; on top of S. end of steel culvert 970.48
- 11.2 UE 28 WMC A, 1 mi S. of tablet; T. 87 N., R. 27 W., in NW $\frac{1}{4}$ sec. 22, 84 ft S., 21 ft W. of and 1 ft lower than center of road at drive E.; in power pole; a lag bolt 1100.84
- 11.8 UE 28 WMC B, 1.6 mi S. of tablet; T. 87 N., R. 27 W., cor. secs. 21, 22, 27 and 28; 19 ft S., 27 ft W. of and 1.3 ft lower than crossroads; on top of concrete culvert; a chiseled square 1104.18
- 12.8 UE 28 WMC C, 2.6 mi S. of tablet; T. 87 N., R. 27 W., cor. secs. 27, 28, 33 and 34; 35 ft N., 33 ft E. of and 3.9 ft lower than crossroads; on top of concrete culvert; a chiseled square 1117.62
- 13.8 Dayton, 2.5 mi N. and 4 mi E. of; T. 87 N., R. 27 W., near SE. cor. of sec. 33, 70 ft N., 33 ft W. of and 1.1 ft lower than crossroads; 1.5 ft E. of right-of-way fence; in top of concrete post; standard tablet stamped "29 WMC 1964 1114" 1113.548
- 13.8 Reference mark, 115 ft SE. of tablet; at SE. corner of crossroads; on top of steel culvert 1112.49
- 15.2 UE 29 WMC A, 1.35 mi S. of tablet; T. 86 N., R. 27 W., in NW $\frac{1}{4}$ sec. 10, at wooden bridge over small creek; at NE. end of bridge; 2 x 8 ft wooden curb; a copper nail and washer 919.31
- 15.8 UE 29 WMC B, 2 mi S. of tablet; T. 86 N., R. 27 W., near SE. cor. of sec. 9, 15 ft SE. (in line with road NW.) of center of NE.-SW. road, in top of a wooden piling with 4 x 12 board guard rail; a copper nail and washer 973.96
- 17.2 UE 29 WMC C, 3.34 mi S. of tablet; T. 86 N., R. 27 W., near center of S $\frac{1}{2}$ of sec. 16, 84 ft S. of T-rd. NW.; 10 ft E. of center of bridge and 0.6 ft higher than; on top of E. concrete curb of bridge; a chiseled square 918.32

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LINE 3 (Cont'd)

BOONE QUAD. - 151

FEET

17.7 Stratford, 1 mi S. and 3.7 mi W. of; T. 86 N., R. 27 W., near quarter cor. between secs. 16 and 21; at NE. cor. bridge over Des Moines River; in top of NE. wingwall and 0.9 ft higher than center of road at E. end of bridge; a standard tablet stamped "35 WMC 1964 955" 954.927

LINE 4

W.K. McCurley, 1964; Book CV-1770

WEBSTER CITY QUAD. - 176

0.0 "UE 27 WMC A" (Described in Line 3) 1091.26

LEHIGH QUAD. - 177

1.0 UE 27 WMC F, 1 mi S. thence 0.96 mi W. of tablet; T. 87 N., R. 27 W., near quarter cor. between secs. 5 and 8, 24 ft N., 180 ft E. of and 3.9 ft lower than center of road at T-rd. S.; on top of concrete culvert; a chiseled square 1095.82

LINE 5

W.K. McCurley, 1964; Book CV-1770

WEBSTER CITY QUAD. - 176

0.0 USC&GS "D 32 1934" (Described in Line 3) 1105.995

1.9 UE D 32 D, 1.9 mi N. of tablet; (along U.S. Hwy. 20) T. 89 N., R. 27 W., near cor. secs. 23, 24, 25 and 26, 240 ft N. (from intersection of gravel road; N. and U.S. Hwy. 20 at curve) and 17 ft W. of center of gravel road, and 3.6 ft lower than intersection; on top of concrete culvert; a chiseled square 1103.55

LEHIGH QUAD. - 177

2.9 Reference mark, 415 ft E. of tablet; and 36 ft N. of center of hwy., on top of steel corrugated culvert 1101.90

2.9 Duncombe, 2 mi N. and 1 mi W. of; T. 89 N., R. 27 W., cor. secs. 22, 23, 26 and 27, 62 ft N., 50 ft E. of and 2.2 ft lower than center of hwy. at T-rd. S.; 2.5 ft S. of N. right-of-way fence; in top of concrete post; standard tablet stamped "31 WMC 1964 1101" 1100.874

LINE 6

C.D. Lien, 1974; Book CV-3142

WEBSTER CITY QUAD. - 176

1 2 0.0 EM, 3.2 mi E. along the I.C. RR., from the station at Webster City, 590.4 ft E. of milepost 352, 27 ft W. of the third telephone pole E. of milepost, 47.5 ft S. of the S. rail and 2 ft N. of a right-of-way fence, set on top of a concrete post set flush with ground, a standard disk stamped "W 31 1934" 1120.611

2 0.2 UE W 31 A, 0.19 mi S. of tablet, a painted cross in centerline of road at fence line S. 1115.8

JEWELL QUAD. - 175

5 1.1 UE W 31 B, 0.19 mi S. and 0.88 mi E. along hwy. 20 from tablet, 48 ft N., 43.6 ft E. of; and 0.8 ft lower than centerline of road at T-rd. S. (dirt road) on top of a 0.5-in. rod on top of a 4 by 4 in. concrete post hwy. right-of-way marker 1146.08

7 1.5 UE W 31 C, 1 mi E. along tracks from tablet, on top of a spike in centerline of road at RR. crossing, 330 ft E. of milepost 351 1153.60

LINE 6 (Cont'd)

JEWELL QUAD. - 175

FEET

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|----|-----|--|----------|
| 1 | 9 | 2.2 UE W 31 D, 1 mi E. along RR. tracks, then 0.75 mi N. along road from tablet, 24 ft S., 54 ft W. of; and 2.5 ft lower than crossroads and 11 ft W. of centerline of a field entrance S., a chiseled square on a rock | 1153.79 |
| 12 | 3.2 | Reference mark, 15.5 ft S., 34 ft W. of centerline of road at field entrance W., 0.8 ft S., of a telephone pole, 1.5 ft N. of a telephone pole and 42.2 ft S. and 48.2 ft E. of tablet a chiseled on rock which sits between two telephone poles | 1157.55 |
| 13 | 3.3 | Clarion at courthouse, 16 mi S. of; T. 89 N., R. 24 and 25 W., sec. cors. 19, 24, 25 and 30, 27 ft N., 82.2 ft W. of; and 2.3 ft lower than centerline of road at field entrance W. cemented in the NE. cor. of a concrete foundation for corn crib; the most northerly and smallest one in a group of three cribs, a standard tablet stamped "8 CDL 1974" | 1156.938 |

CLARION QUAD. - 199

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|----|-----|--|---------|
| 16 | 3.8 | UE 8 A, 0.58 mi N. along road from tablet, 12 ft N., 12 ft W. of; and 0.1 ft lower than centerline of bridge, a chiseled square in the NW. cor. of headwall of a concrete bridge | 1154.02 |
| 19 | 4.8 | UE 8 B, 1.51 mi N. along road from tablet, 21 ft N., 48 ft E. of; and 1.7 ft lower than crossroads, 10 ft E. of centerline of a field entrance N.; a chiseled square on rock | 1151.73 |

LINE 7

7. Lien, 1974; Book CV-3142

WEBSTER CITY QUAD. - 176

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|----|-----|--|----------|
| 2 | 0.0 | UE 31 A (previously described in Line 6) | 1115.8 |
| 3 | 0.7 | UE 31 AA, 0.5 mi S., 0.2 mi W. of UE 31 A, T. 88 N., R. 25 W., near quarter cor. between secs. 3 and 4, 32.8 ft N., 29.5 ft W. of, 1 ft lower than T-rd. S. and 6.4 ft S. of 44-in. chinese elm tree, a copper nail and washer in the root of a tree | 1118.14 |
| 5 | 1.2 | UE 31 A B, 1 mi S., 0.2 mi W. of UE 31 A, T. 88 N., R. 25 W., sec. cors. 3, 4, 9 and 10, 12.3 ft S., 30 ft E. of; and 0.9 ft lower than centerline of road at T-rd. W., a chiseled square on a rock | 1114.44 |
| 8 | 2.2 | Kamrar jets. of county road R 38 and D 41, 4 mi N., 1.5 mi W. of, T. 88 N., R. 25 W., sec. cors. 9, 10, 15 and 16, 36.1 ft N., 29.5 ft W. of; and 2.1 ft lower than centerline of road at T-rd. W., 1.6 ft N., 6.6 ft E. of a fence corner and 3 ft N. of a telephone pole guide wire, cemented in the center of a large boulder a standard tablet stamped "14 CDL 1974" | 1100.448 |
| 9 | 2.2 | Reference mark, 68.9 ft N. of tablet, 32.8 ft S., 29.5 ft W. of T-rd. W. and 6.4 ft W. of a fence corner, a chiseled square NE. cor. of a large rock | 1100.53 |
| 12 | 3.1 | UE 14 A, 1 mi S. along road from tablet, T. 88 N., R. 25 W., sec. cors. 15, 16, 21 and 22, 111.5 ft S., 18 ft W. of; and 5.3 ft lower than crossroads; a chiseled square on a concrete culvert | 1102.88 |
| 15 | 4.4 | UE 14 B, 2 mi S., 0.25 mi E. along road from tablet, T. 88 N., R. 25 W., near the W. sixteenth cor. between secs. cors. 22 and 27, 0.25 mi E. of a curve in road curve N. and E. and 0.25 mi W. of a curve S. and W., 19 ft S. of; and 0.3 ft lower than centerline of road, a chiseled square on a 6 ft concrete culvert | 1088.62 |

LINE 7 (Cont'd)

JEWELL QUAD. - 175

FEET

2	17	4.9	Kamrar, jct. of county roads R 38 and D 41, 1.68 mi N., 1 mi W. of, T. 88 N., R. 25 W., near the center of sec. 27, 0.18 mi N. of crossroads and 15.4 ft W. of; and 2.7 ft lower than centerline of road over culvert cemented in the top of a headwall of a 5 ft concrete culvert, a standard tablet stamped "15 CDL 1974"	1096.621
18	5.1	UE 15 A, 0.18 mi S. of tablet, a painted circle in the centerline of crossroads	1108.30	
20	5.9	UE 15 B, 0.94 mi S. along road from tablet, T. 88 N., R. 25 W., near the N. sixteenth cor. of sec. 34, 22 ft S., 36.6 ft E. of; and 2.2 ft lower than centerline of road at T-rd. E., a chiseled square on a large rock	1101.01	
22	6.7	UE 15 C, 1.76 mi S. along road from tablet, T. 87 and 88 N., R. 25 W., near the quarter cor. between secs. 3 and 34, 361 ft S., 14 ft W. of; and 5.5 ft lower than crossroads; a chiseled square on a concrete culvert	1093.59	
25	7.7	Kamrar, at the jct. of county roads R 38 and D 41, 1 mi S., 1 mi W. of Stanhope, 5.5 mi N., 2.5 mi E. of, T. 87 N., R. 25 W., near the quarter cor. between secs. 3 and 10, 32.8 ft N., 39.4 ft E. of, and 0.2 ft lower than centerline of road at T-rd. N., 2 ft S., 3.8 ft E. of a fence corner, and 1.5 ft S. of metal witness post set on top of a 0.5 in. copper coated steel rod which is encircled by a 6-in. tile which is set flush with ground, a standard tablet stamped "16 CDL 1974"	1108.488	
26	7.8	Reference mark, 432.8 ft W., 19.7 ft S. of T-rd. N. and 52.8 ft S. and 472 ft W. of tablet a chiseled square on a concrete culvert	1099.43	

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28	8.2	UE 16 A, 0.5 mi W. along road from tablet, T. 87 N., R. 25 W., sec. cors. 3, 4, 9 and 10, 187 ft S., 27 ft E. of, and 1 ft lower than crossroad and 11 ft N., 27 ft E. of centerline of road at a drive E., a chiseled square on a concrete culvert	1127.63
30	9.2	UE 16 B, 1 mi S., 0.5 mi W. along road from tablet, T. 87 N., R. 25 W., sec. cors. 9, 10, 15 and 16, 91.8 ft N., 36.1 ft E. of centerline of road at E.-W. fence lines crossing and 5.5 ft N., 4.8 ft E. of a metal gate to Zion Cemetary, a chiseled square on a concrete footing	1118.92
34	10.2	UE 16 C, 2 mi S., 0.5 mi W. along road from tablet, T. 87 N., R. 25 W., sec. cors. 15, 16, 21 and 22, 26.2 ft N., 39.4 ft E. of; and 2.4 ft lower than crossroads, a chiseled square on a rock	1125.25
37	11.2	Reference mark, 36.1 ft N., 39.4 ft E. of crossroads, 95.1 ft N., 72.2 ft E. of tablet and 1.2 ft N., 5.7 ft E. of a fence corner, a chiseled square on a rock	1122.46
38	11.2	Stanhope, 2.5 mi N., 2 mi E. of; T. 87 N., R. 25 W., sec. cors. 21, 22, 27 and 28, 59.1 ft S., 32.8 ft W. of, and 2.6 ft lower than crossroads, 15.2 ft S. of centerline of a field entrance W. and 1.4 ft E. of a fence line and a metal witness post, set on top of a 0.5 in. copper-coated steel rod, which is encircled by a 6-in. tile set flush with ground, a standard tablet stamped "17 CDL 1974"	1122.313
40	12.2	UE 17 A, 1 mi S. along road from tablet, a copper nail and washer in centerline of crossroads	1118.35
44	13.2	UE 17 B, 2 mi S. along road from tablet, T. 86 and 87 N., R. 25 W., sec. cors. 3, 4, 33 and 34, 36 ft S., 14.3 ft W. of; and 3.4 ft lower than crossroads, a chiseled square on a concrete culvert	1115.66

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WEBSTER CITY QUADRANGLE
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LINE 7 (Cont'd)

WEBSTER CITY QUAD. - 176

FEET

- 2 48 14.3 Stanhope, 0.5 mi S., 2 mi E. of; T. 86 N., R. 25 W., sec. cors. 3, 4, 9 and 10, 18 ft N., 430 ft W. of; and 6.2 ft lower than crossroads cemented in the top of a headwall of a 4 ft concrete box culvert; a standard tablet stamped "18 CDL 1974" 1103.513
- 49 14.3 Reference mark, 48.3 ft S., 24.3 ft W. of crossroads and 66.3 ft S., 406 ft E. of a tablet, a chiseled square on a concrete culvert 1104.73
- 52 15.3 Stanhope, 1.5 mi S. and 2 mi E. of; T. 86 N., R. 25 W., near sec. cors. 9, 10, 15 and 16, 31 ft N. and 46 ft W. of; and 3.8 ft lower than crossroads, 3 ft S. and 9 ft W. of a fence corner, set in top of a concrete post set flush with ground, a standard tablet stamped "ET 7 JA 1964" 1114.091
- 53 15.4 Reference mark, 82.3 ft S. and 32 ft E. of crossroads, 113.3 ft S. and 78 ft E. of tablet and 46.8 ft S. and 0.3 ft W. of a right-of-way fence line, on top of a 2-in. iron pipe which projects 1.4 ft above ground 1115.91

BOONE QUAD. - 151

- 55 16.4 Stanhope, 2.5 mi S. and 2 mi E. of; T. 86 N., R. 25 W., near cor. secs. 15, 16, 21 and 22; 209 ft S., 30 ft E. of and 1.1 ft higher than center of crossroads; in top of concrete post; a standard tablet stamped "40 WMC 1964 1096" painted "BM 1095.5" 1095.308

ISOLATED BENCH MARKS

- T. 86 N., R. 27 W., N. center of sec. 23, 1.5 mi S. thence 2 mi W. from Stratford, inside fence corner; SE. cor. of crossroads; iron post stamped "1111" 1110.121
- Duncombe, SW. cor. of front entrance to Duncombe Savings Bank Bldg., just above top step, set in concrete tiling; standard tablet stamped "IOWA 1919 1113" (Elev. by USC&GS) 1112.819