

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

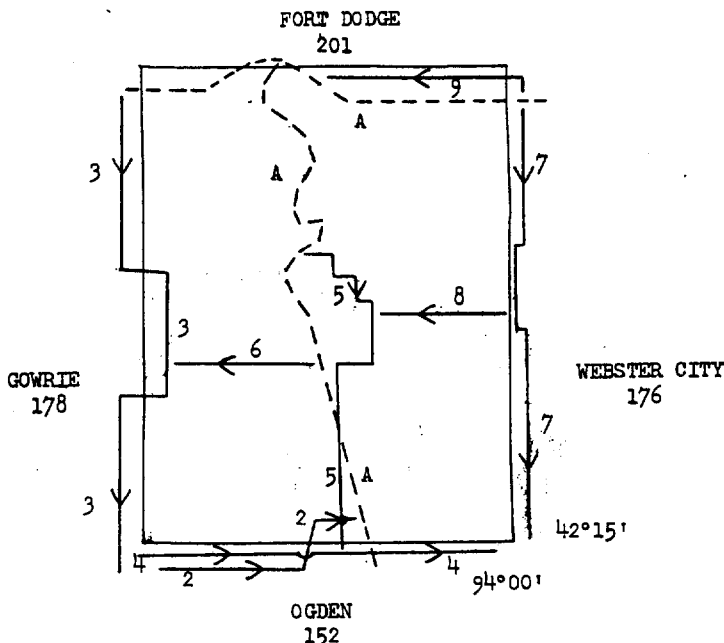
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LEHIGH QUADRANGLE
177 - IOWA
N4215-W9400/15
DIAGRAM NK 15-4
FT. DODGE, IOWA

Webster County

Edition of 1/13/65

PR: MLC:vdc



USG&GS LEVELING
A. No. 420942

LINE 1

Feet

ISOLATED BENCH MARKS NOT SHOWN ON DIAGRAM

- T. 86 N., R. 28 W., cor. secs. 14, 15, 22 and 23; at T-rd. W.; 130 ft W. of rd. fork, on S. edge of rd., in top of concrete culvert; standard tablet "Iowa 1919 1124" (destroyed 7/50 KE) 1124.130
- Boxholm, 5.0 mi N. and 2.0 mi W. of; at cor. secs. 17, 18, 19 and 20; T. 86 N., R. 28 W., 27 ft S. and 32 ft E. of center of crossroads, 1 ft NW. of fence corner; iron post with cap stamped "Iowa 1919 1170" 1170.533
- T. 86 N., R. 29 W., cor. secs. 10, 11, 14 and 15; RR. crossing at; 60 ft S. of crossing; on E. side of rd., in line with RR. right-of-way fence; iron post stamped "Iowa 1919 1162" 1162.714
- T. 88 N., R. 29 W., cor. secs. 28, 29, 32 and 33; 35 ft W. of rd. fork; 2 ft E. of fence line, at T-rd. E.; iron post stamped "Iowa 1919 1153" 1153.566
- T. 88 N., R. 29 W., cor. secs. 8, 9, 16 and 17; 50 ft SE. of rd. fork; 6 ft E. of fence corner, 2.5 ft N. of fence line, at T-rd. S.; iron post stamped "Iowa 1919 1130" 1130.091
- T. 88 N., R. 29 W., 0.25 mi W. of quarter cor. E. side of sec. 3, at T-rd. N.; 75 ft NW. of rd. fork; 25 ft N. of fence corner, 1.5 ft E. of fence line; iron post stamped "Iowa 1919 1125" (reported to have been moved) elev. doubtful 1125.531
- T. 87 N., R. 29 W., cor. secs. 1, 2, 11 and 12; 160 ft S. of crossroads, on E. side of rd., in concrete front of schoolhouse, 6 ft N. of front door, 16 ft W. of wall and about 1.0 ft above ground; standard tablet stamped "Iowa 1919 1148" 1147.773
- T. 88 N., R. 29 W., quarter cor. S. side of sec. 24, at second-class rd crossing; 25 ft W. of track; 11 ft N. of rd., 2 ft E. of fence; iron post stamped "Iowa 1919 1128" 1128.348

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LINE 1 (Cont'd)

Feet

Fort Dodge, about 3.0 mi S. by 1.0 mi E. from; at Fort Dodge, Des Moines Southern RR. crossing over Des Moines River; 200 ft S. of N. end of bridge; 6.5 ft below level of track; in W. concrete abutment; standard tablet stamped "Iowa 1919 1018" 1017.980

Brushy, interurban RR. and hwy. crossing at; 100 ft N. of crossing; on E. side of hwy., in front end of and S. side of church; 2 ft W. of and 0.5 ft lower than front door, 2.5 ft above ground; standard tablet set in concrete; stamped "Iowa 1919 1106" 1106.592

Tps. 87 and 88 N., R. 27 W., cor. secs. 4, 5, 32 and 33, 45 ft NW. of center of crossroads; 3 ft E. of fence corner; iron post stamped "Iowa 1919 1094" 1093.845

Lehigh, 2.0 mi E. of by 1.0 mi S. of; at schoolhouse, at front end of; 2.0 ft from E. edge of; standard tablet stamped "Iowa 1919 1081" 1081.457

Tps. 86 and 87 N., R. 27 W., quarter cor. S. side of sec. 32, 60 ft SW. of rd. fork; 6 ft S. of fence corner; at T-rd. S.; iron post stamped "Iowa 1919 1116" 1115.917

Tps. 88 and 89 N., Rs. 27 and 28 W., cor. secs. 2, 3, 34 and 35, at RR. crossing; 50 ft NW. of RR. crossing; on W. side of hwy., in line with RR. right-of-way fence; iron post stamped "Iowa 1919 1110" US&GS elev. (not found 9/64 W.K.M.) 1109.620

Evanston, 150 ft SE. of C. & N.W. RR. station, 90 ft S. of schoolhouse; 45 ft NE. of crossroads; iron post stamped "Iowa 1919 1109" 1108.631

T. 86 N., R. 28 W., cor. secs. 4, 5, 8 and 9, 50 ft SW. of center of crossroads; 1.5 ft N. of fence line; iron post stamped "Iowa 1919 P T S 8 1123" 1122.978

Lehigh, at hwy. bridge over Des Moines River, at W. end of bridge 1.5 ft N. of edge of flooring and 0.5 ft lower than same; in top of concrete abutment; standard tablet stamped "Iowa 1919 954" 953.860

T. 86 N., R. 28 W., about 500 ft S. of cor. secs. 3, 4, 9 and 10, just inside gate and on S. side of driveway to residence of Aivie Larson; iron post stamped "Iowa 1921" (destroyed 3/29/48) 1150.198

T. 87 N., R. 28 W., near cor. secs. 29, 30, 31 and 32; about 600 ft E. of crossroads, in concrete walk at SE. corner of W. porch of residence of Grant Spangler; standard tablet stamped "Iowa 1921" 1164.448

T. 87 N., R. 29 W., at cor. secs. 23, 24, 25 and 26, in SW. corner of crossroads; inside field fence and 6 ft S. of fence corner; iron post stamped "Iowa 1921" 1158.208

LINE 2

EAST ALONG SOUTH BORDER (R.L. Holcomb, 1949; CV 280)

OGDEN QUAD. - 152

7.5 Boxholm, 3.0 mi N. and 6.5 mi W. of; 250 ft E. of quarter cor. between secs. 28 and 33; T. 86 N., R. 29 W., 31 ft N. and 12 ft W. of center of rd. at rd. into field; 10 in. W. of telephone pole; in concrete post; US&GS and State Survey tablet stamped "429" USGS elev. (not found 6/60 JHT) 1140.813

7.9 Boxholm, 3.0 mi N. and 6.0 mi W. of; cor. secs. 27, 28, 33 and 34; T. 86 N., R. 29 W., 32 ft S. and 61 ft W. of crossroads; in concrete post; US&GS and State Survey tablet stamped "428" (elev. by U.S.G.S.) (not found 6/60 JHT) 1146.088

8.9 Boxholm, 3.0 mi N. and 5.0 mi W. of; cor. secs. 27, 26, 34 and 35; T. 86 N., R. 29 W.; 32 ft S. and 242 ft W. of crossroads; 392 ft W. of RR. crossing; in concrete post US&GS and State Survey tablet stamped "426" USGS elev. 1151.799

9.4 Boxholm, 3.0 mi N. and 4.5 mi W. of; quarter cor. between secs. 26 and 35; T. 86 N., R. 29 W., in concrete post; US&GS and State Survey tablet stamped "425" USGS elev. 1167.893

<u>LINE 2 (Cont'd)</u>	<u>OGDEN QUAD. - 152</u>	<u>Feet</u>
9.9 Boxholm, 3.0 mi N. and 4.1 mi W. of; cor. secs. 25, 26, 36 and 35; T. 86 N., R. 29 W.; 30 ft S. and 592 ft W. of crossroads; 5.5 ft W. of power pole; in concrete post; USC&GS and State Survey tablet stamped "424" elev. by U.S.G.S.		1158.261
10.9 Boxholm, 3.0 mi N. and 3.1 mi W. of; cor. secs. 25, 30, 31 and 36; T. 86 N., Rs. 28 and 29 W., 602 ft W. of crossroads; about 300 ft E. and across rd. from farmhouse; 30 ft N. of center of rd. at T-fence S.; in concrete post; USC&GS and State Survey tablet stamped "516"(elev. by U.S.G.S.)		1168.271
11.6 Boxholm, 3.0 mi N. and 2.4 mi W. of; quarter cor. between secs. 30 and 31; 600 ft E. of center of rd. at N.-S. fence; 32 ft N. of center of rd., in concrete post; USC&GS and State Survey tablet stamped "518" USGS elev.		1161.836
12.0 UE, Boxholm, 3.0 mi N. and 2.0 mi W. of; cor. secs. 29, 30, 31 and 32; T. 86 N., R. 28 W., 12 ft N. and 35 ft W. of center of crossroads; on N. end of steel culvert; painted square; (reported disturbed 5/1/51 K.K.M.)		1159.88
13.0 Boxholm, 4.0 mi N. and 2.0 mi W. of; cor. secs. 19, 20, 29 and 30; T. 86 N., R. 28 W., 25 ft N. and 21 ft E. of crossroads; 4 ft SW. of fence corner; iron post with cap stamped "TT 1 Iowa 1919"		1164.026

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14.0 Boxholm, 5.0 mi N. and 2.0 mi W. of; at cor. secs. 17, 18, 19 and 20, T. 86 N., R. 28 W., 27 ft S. and 32 ft E. of center of crossroads; 1 ft NW. of fence corner; iron post with cap stamped "Iowa 1919 1170"	1170.533
16.0 Boxholm, 5.0 mi N. of along Hwy. 169, at cor. secs. 15, 16, 21 and 22; T. 86 N., R. 28 W., 30 ft N. and 178 ft W. of center of crossroads; in concrete post; USC&GS and State Survey tablet stamped "530" (elev. by U.S.G.S.)	1153.836
17.5 Dayton, at; 0.25 mi S. of the abandoned M. & St. L. RR. station; at a steel bridge over C. & N.W. RR., and in E. end of N. abutment; USC&GS standard disk stamped "B 3 1930"	1133.534

LINE 3

SOUTH ALONG WEST BORDER (W.K. Mc Gurley, 1964; CV 1770)

GOWRIE QUAD. - 178

1 78 0.0 Tara, 1.5 mi E. along the I.C. RR. from; 0.5 mi W. of milepost 379, 70 ft E. of center of Co. rd., 41.5 ft E. of the first power transmission line pole N. of track, 39.9 ft N. of the center of track; and 10 ft S. of fence; a USC&GS standard disk stamped "1120.815 B 13 1933" set in top of concrete post	1120.815
0.8 UE B 13 A, 0.8 mi S. of tablet; T. 89 N., R. 29 W., near N. sixteenth cor. between secs. 33 and 34; 59 ft SE. of (along gravel rd.) thence 45 ft W. of (normal to rd.) and 3.3 ft lower than intersection of rd. at curve; on top of concrete culvert; a chiseled square; painted "UE 1127.9"	1127.88
80 1.9 UE B 13 B, 1.91 mi S. of tablet; Tps. 88 and 89 N., R. 29 W., near N. cor. between secs. 5 and 6, 35 ft N., 142 ft W. of and 1.8 ft lower than T-rd. S.; on top of E. end of round concrete culvert at field entrance N.; a chiseled square; painted "UE 1142.0"	1141.96
2 1 2.9 Reference mark, 135 ft NW. of tablet; on W. end of concrete culvert; a chiseled square; painted "RM"	1124.72
2.9 Moorland, 1.0 mi N. and 2.0 mi E. of; T. 88 N., R. 29 W., about 600 ft N. of cor. secs. 5, 6, 7 and 8, 141 ft S. (of U.S. Hwy. 20) 59 ft E. of and 1.8 ft lower than crossroads; 25 ft S., 59 ft E. of rd. at RR. crossing; in top of concrete post; standard tablet stamped "14 WMC 1964 1125"	1124.512
2 4.0 UE 14 WMC A, 1.1 mi S. of tablet; T. 88 N., R. 29 W., cor. secs. 7, 8, 17 and 18, 53 ft N., 48 ft W. of and 3.1 ft lower than crossroads; on top of round concrete culvert; a chiseled square; painted "UE 1131.2"	1131.20

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LINE 3 (Cont'd)

GOWRIE QUAD. - 178

Feet

- 2 3 5.1 UE 14 WMC B, 2.13 mi S. of tablet; T. 88 N., R. 29 W., cor. secs. 17, 18, 19 and 20; 34 ft S., 32 ft W. of and 2.5 ft lower than crossroads; in power pole; a lag bolt; painted "UE 1138.5" 1138.47
- 4 6.1 UE 14 WMC C, 3.12 mi S. of tablet; T. 88 N., R. 29 W., near cor. secs. 19, 20, 29 and 30; 36 ft N., 30 ft W. of and 1.5 ft lower than crossroads; in power pole; a lag bolt; painted "UE 1145.4" 1145.42
- 5 6.3 Moorland, 2.25 mi S. and 2.0 mi E. of; T. 88 N., R. 29 W., N. sixteenth cor. between secs. 29 and 30; 195 ft N., 32 ft W. of and 2.5 ft lower than center of rd. at drive W.; 2.0 ft N. and 32 ft W. of field rd.; E.; 10 ft N. of a fence corner; in top of concrete post; standard tablet stamped "15 WMC 1964 1147" painted "RM 1147.4" 1147.382
- 6 6.3 Reference mark, 330 ft S. of tablet; on N. end of steel culvert; a painted square painted "RM" 1150.64
- 7.2 UE 15 WMC A, 0.9 mi S. of tablet; T. 88 N., R. 29 W., cor. secs. 29, 30, 31 and 32; 33 ft W. of and 6.4 ft lower than center of rd. at drain; on top of round concrete culvert; a chiseled square; painted "UE 1141.8" 1148.78
- 7 8.1 UE 15 WMC B, 1.8 mi S. of tablet; Tps. 87 and 88 N., R. 29 W., cor. secs. 5, 6, 31 and 32; 37 ft N., 32 ft E. of and 1.5 ft lower than crossroads; in power pole a lag bolt; painted "UE 1150.0" 1149.99

LEHIGH QUAD. - 177

- 3 8.6 UE 15 WMC D, 1.8 mi S. thence 0.5 mi E of tablet; Tps. 87 and 88 N., R. 29 W., quarter cor. between secs. 5 and 32, 23 ft N., 46 ft W. of and 2.0 ft lower than T-rd. S.; on top of steel culvert; a painted square; painted "UE 1155.5" 1155.46
- 10 9.2 Callender, 2.0 mi E. and 1.0 mi N. of; at approx. center of sec. 5, T. 87 N., R. 29 W., 21 ft E., 162 ft N. of and 0.1 ft higher than T-drive W. to farmhouse; 1 ft W. of fence line; in concrete post; standard tablet stamped "ET 5 HK 1964 1166" painted "RM 1166.4" 1166.347
- 11 9.2 Reference mark, 160 ft SSW. of tablet; in power pole; a lag bolt; painted RM 1164.97
- 9.6 UE 5 HK A, 0.4 mi S. of tablet; T. 87 N., R. 29 W., quarter cor. between secs. 5 and 8, 42 ft N., 71 ft W. of and 3.0 ft lower than crossroads; on top of concrete culvert; a chiseled square; painted "UE 1159.2" 1159.19
- 12 10.6 UE 5 HK B, 1.4 mi S. of tablet; T. 87 N., R. 29 W., quarter cor. between secs. 8 and 17; in center of rd. at T-rd. N.; ground elev. painted "UE centerline 1156.7" 1156.67

GOWRIE QUAD. - 178

- 13 11.1 UE 5 HK C, 1.4 mi S. thence 0.5 mi W. of tablet; T. 87 N., R. 29 W., cor. secs. 7, 8, 17 and 18; 34 ft S., 27 ft W. of and 1.9 ft lower than crossroads; in W. side of power pole; a lag bolt; painted "UE 1155.4" 1155.36
- 14 12.2 Callender, 1.5 mi S. and 1.5 mi E. of; T. 87 N., R. 29 W., near cor. secs. 17, 18, 19 and 20; 262 ft S., 31 ft E. of and 2.4 ft lower than crossroads; 2 ft E. of power pole; in top of concrete post; standard tablet stamped "16 WMC 1964 1159" painted "RM 1159.2" 1159.147
- 15 12.2 Reference mark, 345 ft S. of tablet; in SE. side of power pole; a lag bolt; painted "RM" 1159.34
- 13.1 UE 16 WMC A, 1.0 mi S. of tablet; T. 87 N., R. 29 W., cor. secs. 19, 20, 29 and 30; 92 ft S., 32 ft W. of and 3.0 ft lower than crossroads; in power pole; a lag bolt; painted "UE 1156.6" 1156.60

<u>LINE 3 (Cont'd)</u>		<u>GOWRIE QUAD. - 178</u>	<u>Feet</u>
2 16 14.1	UE 16 WMC B, 1.96 mi S. of tablet; T. 87 N., R. 29 W., cor. secs. 29, 30, 31 and 32; 19 ft N., 28 ft W. of and 2.5 ft lower than crossroads; on top of round concrete culvert; a chiseled square; painted "UE 1156.6"		1156.58
17 15.1	UE 16 WMC C, 2.93 mi S. of tablet; Tps. 86 and 87 N., R. 29 W., near cor. secs. 5, 6, 31 and 32, 150 ft N., 30 ft E. of and 2.5 ft lower than center of rd. at T-rd. W.; on top of concrete culvert; a chiseled square; painted "UE 1148.1"		1148.00
18 15.8	Reference mark, 175 ft N. of tablet; on S. end of concrete culvert; a chiseled square painted "RM"		1149.98
15.8	Gowrie, 0.5 mi N. and 1.5 mi E. of; T. 86 N., R. 29 W., about 900 ft S. of quarter cor. between secs. 5 and 6, 385 ft S., 33 ft E. of rd. at drive E. to farmhouse; 2 ft S. of a telephone pole; in top of concrete post; a standard tablet stamped "17 WMC 1964 1149" painted "EM 1148.9"		1148.834
20 16.2	UE 17 WMC A, 0.38 mi S. of tablet; T. 86 N., R. 29 W., cor. secs. 5, 6, 7 and 8; 247 ft S., 32 ft E. of and 3.1 ft lower than crossroads; on top of S. end of concrete culvert at drive E.; a chiseled square; painted "UE 1149.7"		1149.64
21 17.1	UE 17 WMC B, 1.33 mi S. of tablet; T. 86 N., R. 29 W., cor. secs. 7, 8, 17 and 18; 43 ft N., 28 ft W. of and 2.1 ft lower than crossroads; on top of concrete culvert; a chiseled square; painted "UE 1146.9"		1146.75
22 18.1	UE 17 WMC C, 2.35 mi S. of tablet; T. 86 N., R. 29 W., cor. secs. 17, 18, 19 and 20; 49 ft S., 24 ft W. of and 3.1 ft lower than T-rd. E.; on top of concrete culvert; a chiseled square; painted "UE 1134.0"		1133.91
23 18.6	UE 17 WMC D, 2.85 mi S. of tablet; T. 86 N., R. 29 W., quarter cor. between secs. 19 and 20; 25 ft S., 28 ft E. of and 2.4 ft lower than T-rd. W.; in W. side of power pole; a lag bolt; painted "UE 1140.3"		1140.20

JEFFERSON QUAD. - 153

24 19.6	Jefferson, 16 mi N. and 5.0 mi E. of; 36 ft S., 200 ft E. of T-rd. E. and 1 ft lower, quarter cor. secs. 19 and 24; T. 86 N., R. 29 W., 1 ft S. of S. right-of-way fence E.-W.; in concrete post; standard tablet stamped "10 T 1960 1142"	1142.670
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LINE 4

<u>EAST ALONG SOUTH BORDER (W.K. Mc Carley, 1964; CV 1770)</u>		<u>OGDEN QUAD. - 152</u>
2 37 0.0	Grand Junction, 16 mi N. of along State Hwy. 144; 32 ft S., 545 ft W. of crossroad; cor. secs. 20, 21, 28 and 29, T. 86 N., R. 29 W., 1 ft N. of S. right-of-way fence; and 6.6 ft higher; in concrete post; standard tablet stamped "11 T 1960 1133"	1132.975
1.1	UE 11 T A, 1.1 mi E. of tablet; T. 86 N., R. 29 W., cor. secs. 21, 22, 27 and 28; 29 ft N., 48 ft W. of and 4.5 ft lower than crossroads; on top of steel culvert; a painted square; painted "UE 1148.4"	1148.38
38 2.1	UE 11 T B, 2.11 mi E. of tablet; T. 86 N., R. 29 W., cor. secs. 22, 23, 26 and 27; 34 ft S., 35 ft W. of and 3.0 ft lower than crossroads; in SW. side of power pole; a lag bolt; painted "UE 1167.2"	1167.16
39 3.1	UE 11 T C, 3.12 mi E. of tablet; T. 86 N., R. 29 W., cor. secs. 23, 24, 25 and 26; 30 ft N., 34 ft E. of and 3.9 ft lower than crossroads; on top of round concrete culvert; a chiseled square; painted "UE 1158.4"	1158.41
41 3.6	Harcourt, 1.5 mi S. of; T. 86 N., R. 29 W., quarter cor. between secs. 24 and 25; 58 ft S., 24 ft E. of and 2.6 ft lower than center of rd. at RR. crossing; 1.5 ft NE. of power pole; in top of concrete post; standard tablet stamped "19 WMC 1964 1164" painted "EM 1164.5"	1164.443

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<u>LINE 4 (Cont'd)</u>		<u>OGDEN QUAD. - 152</u>	<u>Feet</u>
2 42 3.6	Reference mark, 190 ft NE. of tablet; on top of concrete retainer wall; a chiseled square; painted "RM"		1162.03
4.2	UE 19 WMC A, 0.5 mi E. of tablet; T. 86 N., R. 28 and 29 W., near cor. secs. 19, 24, 25, and 30; 40 ft S., 121 ft E. of and 0.8 ft lower than crossroads; in S. side of telephone pole; a lag bolt; painted "UE 1171.0"		1170.99
43 5.1	UE 19 WMC B, 1.5 mi E. of tablet; T. 86 N., R. 28 W., cor. secs. 19, 20, 29 and 30; 41 ft S., 19 ft E. of and 3.1 ft lower than crossroads; on top of concrete culvert; a chiseled square; painted "UE 1163.7"		1163.63
44 6.2	UE 19 WMC C, 2.5 mi E. of tablet; T. 86 N., R. 28 W., cor. secs. 20, 21, 28 and 29, 144 ft S., 29 ft E. of and 4.2 ft lower than crossroads; on top of concrete culvert; a chiseled square; painted "UE 1169.0"		1168.96
✓ 45 7.1	Dayton, 1.5 mi S. and 2.0 mi W. of; T. 86 N., R. 28 W., cor. secs. 21, 22, 27 and 28; 75 ft N., 49 ft W. of and 1.6 ft lower than crossroads; 1.5 ft E. of W. right-of-way fence; in top of concrete post; standard tablet stamped "20 WMC 1964 1151" painted "EM 1151.3"		1151.284
46 7.1	Reference mark, 355 ft ESE. of tablet; about 300 ft E. of crossroads; in N. side of power pole; a lag bolt; painted "RM"		1152.27
8.1	UE 20 WMC A, 1.0 mi E. of tablet; T. 86 N., R. 28 W., cor. secs. 22, 23, 26, and 27; 28 ft S., 28 ft W. of and 2.5 ft lower than crossroads; on top of steel culvert; a painted square; painted "UE 1142.1"		1142.08
47 9.1	UE 20 WMC B, 2.0 mi E. of tablet; T. 86 N., R. 28 W., cor. secs. 23, 24, 25 and 26; in center of crossroads; a chiseled square; painted "UE centerline 1153.4"		1153.32
49 10.1	UE 20 WMC C, 3.0 mi E. of tablet; T. 86 N., R. 27 and 28 W., cor. secs. 19, 24, 25 and 30; 29 ft N., 39 ft W. of and 2.5 ft lower than crossroads; in NW. side of power pole; a lag bolt; painted "UE 1145.1"		1145.04
50 11.2	UE Pilot Mound, 0.5 mi W., 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 rd., on E. end of concrete culvert; chiseled square		1127.29

LINE 5

<u>SOUTH THRU CENTER OF QUAD. (W.K. Mc Carley, 1964; CV 1770)</u>		<u>LEHIGH QUAD. - 177</u>	
2 52 0.0	Otho, 0.25 mi N. along the abandoned M. & St. L. RR. from the station at; at a rd. crossing, 43 ft W. of the track and 40 ft N. of rd. a USC&GS standard disk stamped "1124.916 V 2 1930" set in top of concrete post		1124.916
0.3	UE V 2 A, 0.3 mi E. and S. of tablet; near E. sixteenth cor. between secs. 18 and 19; in center of N.-S. street at T-street E.; a copper nail and washer; painted "UE centerline 1119.6"		1119.64
54 1.5	UE V 2 B, 1.46 mi E. of tablet; T. 88 N., R. 28 W., near center of SE. $\frac{1}{4}$ sec. 17, 102 ft N., 11 ft E. of and 2.3 ft lower than T-rd. E.; at SW. corner of bridge over the Des Moines River; on top of concrete curb; a chiseled square; painted "UE 974.1"		974.13
56 2.3	UE V 2 C, 1.46 mi E. thence 0.8 mi S. of tablet; T. 88 N., R. 28 W., about 0.25 mi W. of quarter cor. between secs. 20 and 21; in center of E.-W. rd. at T-rd. N.; copper nail and washer; painted "UE centerline 1115.3"		1115.33
57 2.9	UE V 2 D, 1.46 mi E., 0.8 mi S. thence 0.61 mi SE. of tablet; T. 88 N., R. 28 W., cor. secs. 20, 21, 28 and 29, 72 ft S., 29 ft W. of and 0.7 ft lower than center of rd. (blacktop) at tangent of rd. S. (gravel rd.) in power pole; a lag bolt; painted "UE 1122.5"		1122.44

<u>LINE 5 (Cont'd)</u>	<u>LEHIGH QUAD. - 177</u>	<u>Feet</u>
2 58 3.4	UE V 2 E, 1.46 mi E., 0.8 mi S., 0.61 mi SE. thence 0.54 mi E. of tablet; T. 88 N., R. 28 W., quarter cor. between secs. 21 and 28, 33 ft S., 28 ft W. of and 3.6 ft lower than T-rd. S.; on top of concrete culvert; a chiseled square; painted "UE 1123.3"	1123.26
59 4.1	Reference mark, 29 ft NW. of tablet; at NW. corner of bridge on top of N. end of concrete curb; a chiseled square; painted "RM"	1073.98
4.1	Otho, about 1.0 mi S. and 1.7 mi E. of; T. 88 N., R. 28 W., near center of sec. 28; at a small creek; just N. of cemetery; at SE. end of bridge and 0.8 ft higher than center of bridge; in top of concrete curb; a standard tablet stamped "21 WMC 1964" 1074" painted "EM 1074.2"	1074.168
61 4.7	UE 21 WMC A, 0.6 mi S. of tablet; T. 88 N., R. 28 W., about 0.2 mi N. of center of sec. 33, 46 ft N., 32 ft E. of and 1.5 ft lower than T-rd. E.; in power pole; a lag bolt; painted UE 1118.1	1118.11
62 5.4	UE 21 WMC B, 1.3 mi S. of tablet; Tps. 87 and 88 N., R. 28 W., near quarter cor. between secs. 4 and 33; 43 ft N., 50 ft E. of and 1.8 ft lower than T-rd. N.; in power pole; a lag bolt; painted "UE 1127.6"	1127.58
63 6.0	UE 21 WMC C, 1.3 mi S. thence 0.5 mi W. of tablet; Tps. 87 and 88 N., R. 28 W., cor. secs. 4, 5, 32 and 33; 36 ft N. of and 1.6 ft lower than T-rd. S.; in telephone pole; a lag bolt; painted "UE 1116.6"	1116.62
64 7.0	UE 21 WMC D, 1.3 mi S. thence 0.5 mi W. thence 1.1 mi S. of tablet; T. 87 N., R. 28 W., cor. secs. 4, 5, 8 and 9, 39 ft S., 48 ft E. of and 3.6 ft lower than crossroads; on top of concrete culvert; chiseled square; painted UE 1122.2	1122.18
65 8.2	Lehigh, about 4.0 mi W. of; T. 87 N., R. 28 W., near quarter cor. between secs. 8 and 9, 35 ft S., 33 ft E. of and 1.3 ft lower than center of rd. at E.-W. fence lines; in top of concrete post; standard tablet stamped "22 WMC 1964 1122" painted "EM 1122.2"	1122.176
66 8.2	Reference mark, 580 ft N. of tablet; on S. end of concrete culvert; at field entrance E.; a chiseled square; painted "RM"	1121.32
9.0	UE 22 WMC A, 0.7 mi S. of tablet; T. 87 N., R. 28 W., cor. secs. 8, 9, 16 and 17; 29 ft N., 54 ft W. of and 3.7 ft lower than crossroads; on top of concrete culvert a chiseled square; painted "UE 1125.9"	1125.89
67 10.0	UE 22 WMC B, 1.76 mi S. of tablet; T. 87 N., R. 28 W., cor. secs. 16, 17, 20 and 21 205 ft S., 18 ft W. of and 3.1 ft lower than crossroads; on top of concrete culvert; a chiseled square painted "UE 1137.9"	1137.88
68 10.9	UE 22 WMC C, 2.7 mi S. of tablet; T. 87 N., R. 28 W., cor. secs. 20, 21, 28 and 29; 118 ft N., 33 ft W. of and 4.0 ft lower than crossroads; on NE. side of power pole; a lag bolt; painted "UE 1152.5"	1152.44
69 12.0	Harcourt, 3.5 mi N. and 2.5 mi E. of; T. 87 N., R. 28 W., near cor. secs. 28, 29, 32 and 33; 67 ft N., 31 ft W. of and 3.0 ft lower than crossroads; in top of concrete post; standard tablet stamped "23 WMC 1964 1149" painted "EM 1149.0"	1149.007
70 12.0	Reference mark, 100 ft SE. of tablet; on top of concrete culvert; a chiseled square; painted "RM"	1149.81
13.0	UE 23 WMC A, 1.0 mi S. of tablet; Tps. 86 and 87 N., R. 28 W., cor. secs. 4, 5, 32 and 33; 30 ft S., 42 ft W. of and 0.8 ft lower than T-rd. W.; in power pole; a lag bolt; painted "UE 1152.0"	1151.93
71 13.8	UE 23 WMC B, 2.0 mi S. of tablet; T. 86 N., R. 28 W., cor. secs. 4, 5, 8 and 9; 30 ft N., 32 ft E. of and 2.7 ft lower than crossroads; in power pole; a lag bolt; painted "UE 1151.7"	1151.67

LEHIGH QUADRANGLE
177 - IOWA

LINE 5 (Cont'd)

LEHIGH QUAD. - 177

Feet

- 2 73 14.8 Reference mark, 60 ft NW. of tablet; at SW. cor. of crossroads; on top of concrete drain intake; a chiseled square; painted "RM" 1159.14
- ✓ 14.8 Harcourt, 0.5 mi N. and 2.5 mi E. of; T. 86 N., R. 28 W., cor. secs. 8, 9, 16 and 17; 60 ft S., 33 ft E. of and 0.6 ft lower than crossroads; in top of concrete post; standard tablet stamped "24 WMC 1964 1162" painted "EM 1161.7" 1161.695
- 74 15.8 UE 24 WMC A, 1.0 mi S. of tablet; T. 86 N., R. 28 W., cor. secs. 16, 17, 20 and 21; 35 ft S., 34 ft E. of and 3.3 ft lower than crossroads; in power pole; a lag bolt; painted "UE 1173.6" 1173.58

OGDEN QUAD. - 152

- 75 16.8 "19 WMC C" (described in Line 4) 1168.96

LINE 6

WEST FROM CENTER OF QUAD (W.K. Mc Curley, 1964; CV 1770)

LEHIGH QUAD. - 177

- 2 78 0.0 "UE 21 WMC D" (described in Line 5) 1122.18
- 0.8 Harcourt, 7.5 mi N. and 1.7 mi E. of; near cor. secs. 5, 6, 7 and 8; T. 87 N., R. 28 W., 60 ft S. and 854 ft E. of crossroads; 3.2 ft lower than center of rd. opposite tablet; 1 ft N. of fence line; in concrete post; standard tablet stamped "ET 4 HK 1964 1128" painted "EM 1127.5" 1127.494
- 79 1.0 Reference mark, 820 ft WNW. of tablet; 33 ft N., 47 ft E. of and 2.7 ft lower than crossroads; on top of concrete culvert; a chiseled square; painted "RM" 1126.92
- 2.0 UE 4 HK A, 1.1 mi W. of tablet; T. 87 N., R. 28 and 29 W., cor. secs. 1, 6, 7 and 12; in center of rd. at T-rd. S.; chiseled square; painted "UE centerline 1139.4" 1139.30
- 80 3.0 UE 4 HK B, 2.1 mi W. of tablet; T. 87 N., R. 29 W., cor. secs. 1, 2, 11 and 12; 27 ft S., 106 ft W. of and 2.0 ft lower than crossroads; on top of concrete culvert; a chiseled square; painted UE 1144.6 1144.55
- 3 1 4.0 UE 4 HK C, 3.1 mi W. of tablet; T. 87 N., R. 29 W., cor. secs. 2, 3, 10 and 11; 38 ft N., 174 ft W. of and 3.3 ft lower than crossroads; on top of concrete culvert; a chiseled square; painted "UE 1152.1" 1152.00
- 3 4.2 Callender, 0.5 mi N. and 4.5 mi E. of; T. 87 N., R. 29 W., 1165 ft W. of cor. secs. 2, 3, 10 and 11; 25 ft N. of center of rd. at small culvert; in top of N. concrete headwall; a standard tablet stamped "25 WMC 1964 1149" painted "EM 1149.2" 1149.081
- 4 4.2 Reference mark, 80 ft S. of tablet; on top of round concrete culvert; a chiseled square painted "RM" 1148.03
- 5.0 UE 25 WMC A, 0.8 mi W. of tablet; T. 87 N., R. 29 W., cor. secs. 3, 4, 9 and 10, 61 ft S., 35 ft W. of and 4.1 ft lower than crossroads; in power pole; a lag bolt; painted "UE 1156.1" 1155.95
- 5 6.0 UE 25 WMC B, 1.8 mi W. of tablet; T. 87 N., R. 29 W., cor. secs. 4, 5, 8 and 9; 43 ft N., 39 ft E. of and 4.4 ft lower than center of rd. at drain S.; on top of concrete drain intake; a chiseled square; painted UE 1150.1 1149.94
- 6 6.5 "UE 5 HK A" (described in Line 3) 1159.19

LINE 7

Feet

SOUTH ALONG EAST BORDER (W.K. Mc Curley, 1964; CV 1770)

WEBSTER CITY QUAD. # 176

- 3 18 0.0 Duncombe, at; 303 yards E. of the I.C. RR. station opposite milepost 364, 40 yards E. of rd. crossing, 44 ft S. of S. rail, and 2.5 ft N. of right-of-way fence; a US&GS standard disk stamped "D 32 1934" set in top of concrete post and projecting 4-in. above ground 1105.995
- 1.1 UE D 32 A, 1.0 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; painted "UE 1097.8" 1097.74
- 19 2.1 UE D 32 B, 2.0 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; painted "UE 1097.7" 1097.64
- 20 3.3 Reference mark, 33 ft NE. of tablet; on SW. end of N. concrete wingwall; a chiseled square; painted "RM" 1086.24
- 3.3 Duncombe, 3.28 mi E. of; T. 88 N., R. 27 W., near N. sixteenth cor. between sec. 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 rd. at culvert; a standard tablet stamped "26 WMC 1964 1086" painted "EM 1086.3" 1086.244
- 21 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; painted "UE 1031.4" 1031.30
- 22 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; a painted square; painted "UE 1031.4" 1031.31
- 24 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; painted "UE 1088.9" 1088.76
- 25 6.1 UE 26 WMC D, 2.87 mi S. of tablet; Tps. 87 and 88 N., R. 27 W., near cor. secs. 3, 4, 33 and 34; at right angle curve in rd., 31 ft S. of point on tangent of rd. going W. and rd. going N.; also level with same point; in power pole; a lag bolt; painted "UE 1090.6" 1090.53
- 26 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 1.0 ft higher than center of rd. at field rd. S.; in top of concrete post; standard tablet stamped "27 WMC 1964 1096" painted "EM 1095.8" 1095.657
- 27 6.7 Reference mark, 100 ft NE. of tablet; on E. end of steel culvert; a painted square painted "RM" 1092.82
- 7.7 UE 27 WMC A, 1.0 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 rd. at field rd. N.; on top of concrete culvert; a chiseled square; painted "UE 1091.4" 1091.26
- 28 8.2 UE 27 WMC B, 1.0 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; painted "UE 1080.3" 1080.21
- 29 9.1 UE 27 WMC C, 1.0 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 rd. at drive SW. thence W.; in power pole; a lag bolt; painted "UE 1089.6" 1089.52

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LEHIGH QUADRANGLE
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<u>LINE 7 (Cont'd)</u>		<u>WEBSTER CITY QUAD. - 176</u>	<u>Feet</u>
3 32 9.7	UE 27 WMC D, 1.0 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 dip in rd., portion of rd. at dip is concrete; on S. end of concrete portion; a chiseled square; painted "UE 937.1"		936.94
33 10.2	Lehigh, 0.8 mi S. and 3.0 mi E. of; T. 87 N., R. 27 W., near quarter cor. between secs. 15 and 16, 85 ft ESE. along rd. (from SE. end of half circle drive to farm house) thence 24 ft WSW. normal to rd., 1.8 ft lower than SE. end of half circle drive and center of rd.; in top of concrete post; standard tablet stamped "28 WMC 1964, 976" painted "EM 976.0"		975.902
34 10.2	Reference mark, 195 ft ESE. of tablet; on to of S. end of steel culvert; a painted square; painted "RM"		970.48
35 11.2	UE 28 WMC A, 1.0 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 1.0 ft lower than center of rd. at drive E.; in power pole; a lag bolt; painted "UE 1100.9"		1100.84
37 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; painted "UE 1104.3"		1104.18
38 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; painted "UE 1117.7"		1117.62
39 13.8	Dayton, 2.5 mi N. and 4.0 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" painted "EM 1113.6"		1113.548
41 13.8	Reference mark, 115 ft SE. of tablet; at SE. cor. of crossroads; on top of steel culvert; a painted square; "RM"		1112.49
42 15.2	UE 29 WMC A, 1.35 mi S. of tablet; T. 86 N., R. 27 W., in NE $\frac{1}{4}$ sec. 10, at wooden bridge over small creek; at NE. end of bridge; in 2 x 8 ft wooden curb; a copper nail and washer; painted "UE 919.4"		919.31
43 15.8	UE 29 WMC B, 2.0 mi S. of tablet; T. 86 N., R. 27 W., near SE. cor. of sec. 9, 15 ft SE. (in line with rd. NW.) of center of NE.-SW. rd., in top of a wooden piling with 4 x 12 board guard rail; a copper nail and washer; painted "UE 974.0"		973.96
45 17.2	UE 29 WMC C, 3.34 mi S. of tablet; T. 86 N., R. 27 W., near center of S $\frac{1}{2}$ 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; painted "UE 918.4"		918.32

BOONE QUAD. - 151

46 17.7	Stratford, 1.0 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. of bridge over Des Moines River; in top of NE. wingwall and 0.9 ft higher than center of rd. at E. end of bridge; a standard tablet stamped "35 WMC 1964 955" painted "EM 955.1"		954.927
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LINE 8

WEST FROM CENTER OF E. EDGE W.K. Mc Carley, 1964; CV 1770)		<u>WEBSTER QUAD. - 176</u>	
3 49 0.0	"27 WMC A" (described in Line 7)		1091.26
		<u>LEHIGH QUAD. - 177</u>	
0.5	UE 27 WMC E, 1.0 mi S. thence 0.5 mi W. of tablet; T. 87 N., R. 27 W., cor. secs. 4, 5, 8 and 9; in center of rd. at T-rd. N.; a copper nail and washer; painted "UE centerline 1108.7"		1108.61

<u>LINE 8 (Cont'd)</u>	<u>LEHIGH QUAD. - 177</u>	<u>Feet</u>
3 50 1.0 UE 27 WMC F, 1.0 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 rd. at T-rd. S.; on top of concrete culvert; a chiseled square; painted "UE 1096.0"		1095.82
51 2.0 UE 27 WMC G, 1.0 mi S. thence 2.0 mi W. of tablet; T. 87 N., R. 27 W., near quarter cor. between secs. 6 and 7, in center of rd. at T-rd. S.; a copper nail and washer; painted "UE centerline 1112.8"		1112.59
52 2.4 UE 27 WMC H, 1.0 mi S. thence 2.4 mi W. of tablet; T. 87 N., R. 27 W., near cor. secs. 1, 6, 7 and 12; 72 ft N., (along rd.) 34 ft W. (normal to rd.) and 1.8 ft lower than crossroads; on top of concrete culvert; a chiseled square; painted "UE 1110.7"		1110.57
54 3.0 Lehigh, at town of; T. 87 N., Rs. 27 and 28 W., near S. sixteenth cor. between secs. 7 and 12; at NE. end of bridge over Des Moines River; in top of NE. bridge abutment; 12 ft NW. of center of rd. and level with center of bridge; a standard tablet stamped "30 WMC 1964" 956" painted "EM 956.0"		955.763
55 3.0 Reference mark, 425 ft SW. of tablet; on top of NW. concrete abutment of bridge over Des Moines River; a chiseled square; painted "RM"		955.06
3.5 Marked Point		1051.29
57 4.0 UE 30 WMC A, 1.0 mi NW. of tablet; (along State Hwy. 50) T. 87 N., R. 28 W., near quarter cor. between secs. 11 and 12; in center of hwy. at Trd. S. and drive N.; chiseled square; painted "UE centerline 1114.5"		1114.33
58 5.2 UE 30 WMC B, 2.2 mi NW. of tablet; (along State Hwy. 50) T. 87 N., R. 28 W., cor. secs. 2, 3, 10 and 11; in center of crossroads; a chiseled square; painted "UE centerline 1121.5"		1121.26
59 6.2 UE 30 WMC C, 3.2 mi NW. of tablet; (along State Hwy. 50) T. 87 N., R. 28 W., near cor. secs. 3, 4, 9 and 10; 16 ft N. and 140 ft W. of T-rd. N.; on top of NE. concrete abutment of bridge; and 0.7 ft higher than center of bridge; a chiseled square; painted "UE 1102.3"		1102.00
60 7.2 "UE 21 WMC D" (described in Line 5)		1122.18

LINE 9

WEST ALONG NORTH BORDER (W.K. Mc Gurley, 1964; CV 1770)

WEBSTER CITY QUAD. - 176

3 64 0.0 USC&GS "D 32 1934" (described in Line 7)		1105.995
1.0 UE D 32 C, 1.0 mi N. of tablet; (along U.S. Hwy. 20) T. 89 N., R. 27 W., cor. secs. 25, 26, 35 and 36; in center of hwy. at E.-W. rds.; a copper nail and washer; painted "UE centerline 1121.2"		1121.21
65 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 rd. N. and U.S. 20 at curve) and 17 ft W. of center of gravel rd.; and 3.6 ft lower than intersection on top of concrete culvert; a chiseled square; painted "UE 1103.6"		1103.55

LEHIGH QUAD. - 177

66 2.9 Reference mark, 415 ft E. of tablet; and 36 ft N. of center of hwy., on top of steel corrugated culvert; a painted square; painted "RM"		1101.90
2.9 Duncombe, 2.0 mi N. and 1.0 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" painted "EM 1100.9"		1100.874

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LEHIGH QUADRANGLE
177 - IOWA

<u>LINE 9 (Cont'd)</u>	<u>LEHIGH QUAD. - 177</u>	<u>Feet</u>
3 67 3.4	UE 31 WMC A, 0.5 mi W. of tablet; T. 89 N., R. 27 W., quarter cor. between secs. 22 and 27, in center of U.S. Hwy. 20 at T-rd. N.; copper nail and washer; painted "UE centerline 1111.0"	1110.98
68 4.5	UE 31 WMC B, 1.55 mi W. of tablet; T. 89 N., R. 27 W., near quarter cor. between secs. 21 and 28; 56 ft N., 180 ft W. of and 3.4 ft lower than crossroads; on top of W. side of concrete base of drain intake; a chiseled square; painted "UE 1115.5"	1115.44
69 5.0	UE 31 WMC C, 2.02 mi W. of tablet; T. 89 N., R. 27 W., cor. secs. 20, 21, 28 and 29; in center of hwy. at T-fence S.; a painted square; painted "UE centerline 1117.8"	1117.69
70 6.0	Duncombe, 2.0 mi N. and 4.0 mi W. of; T. 89 N., R. 27 W., cor. secs. 19, 20, 29 and 30; 100 ft N., 34 ft E. of and 3.5 ft lower than crossroads; in top of concrete post; standard tablet stamped "32 WMC 1964 1121" painted "BM 1120.5"	1120.412
72 6.0	Reference mark, 245 ft W. of tablet; 95 ft N. of center of rd., in power pole; a lag bolt; painted "RM"	1125.37
7.1	UE 32 WMC A, 1.2 mi W. of tablet; T. 89 N., R. 28 W., near SE. cor. of sec. 24, 705 ft W. of crossroads; at sec. cor. on top of E. end of N. concrete headwall of bridge; and 1.4 ft higher than center of bridge; a chiseled square; painted "UE 1110.6"	1110.51
73 8.0	UE 32 WMC B, 2.0 mi W. of tablet; T. 89 N., R. 28 W., cor. secs. 23, 24, 25 and 26; 61 ft N., 140 ft E. of and 4.8 ft lower than center of hwy. at T-rd. S.; on top of concrete culvert; a chiseled square; painted "UE 1111.4"	1111.30
74 9.0	Reference mark, 210 ft SE. of tablet; 27 ft W. and 15 ft S. of T-rd. S.; on top of concrete culvert a chiseled square; painted "RM"	1113.55
9.0	Ft. Dodge, 2.5 mi E. of; (along U.S. Hwy. 20 from intersection of State Hwy. 413) T. 89 N., R. 28 W., cor. secs. 22, 23, 26 and 27, 52 ft N., 141 ft W. of and 1.9 ft higher than T-rd. S.; 2.5 ft S. of N. right-of-way fence, in top of concrete post; standard tablet stamped "33 WMC 1964 1116" painted "BM 1115.7"	1115.533
75 10.1	UE 33 WMC A, 1.0 mi W. of tablet; T. 89 N., R. 28 W., near cor. secs. 21, 22, 27 and 28; 43 ft N., 40 ft W. of and 3.2 ft lower than center of hwy. at T-rd. N.; in power pole; a lag bolt; painted "UE 1110.3"	1110.19
76 11.0	UE 33 WMC B, 2.0 mi W. of tablet; at W. side of Ft. Dodge, at Ft. Dodge D. M. & S. RR. crossing of hwy. 20, 24 ft N., 16 ft W. of and 0.4 ft higher than intersection of U.S. Hwy. 20 and South 22nd St. on top of N. concrete curb of Hwy.; a chiseled square; painted "UE 1111.1"	1110.89
78 11.6	UE 33 WMC C, 2.5 mi W. of tablet; in Ft. Dodge at intersection of U.S. Hwy. 20 and State Hwy. 413 (N.) T. 89 N., R. 28 W., near quarter cor. between secs. 20 and 29; 42 ft S., 23 ft W. of and 0.8 ft higher than cross-streets; on top of concrete base of signal light; a chiseled square; painted "UE 1108.1"	1107.95
79 12.1	Center of Hwy. 20 at E. end of bridge over Des Moines River	1062.81
12.1	Ft. Dodge at; about 260 yards SE. of the Ill Central Freight Station, at a steel bridge over a street in the top of a concrete headwall, 8.2 ft W. of the W. track, 2.2 ft W. of a steel sidewalk; and 1.7 ft E. of the W. end of the headwall; a USC&GS standard disk stamped "J 32 1934" (description by W.K.M. 11/64)	1029.519