

THIRD ORDER LEVELS)
SEA LEVEL DATUM OF 1929

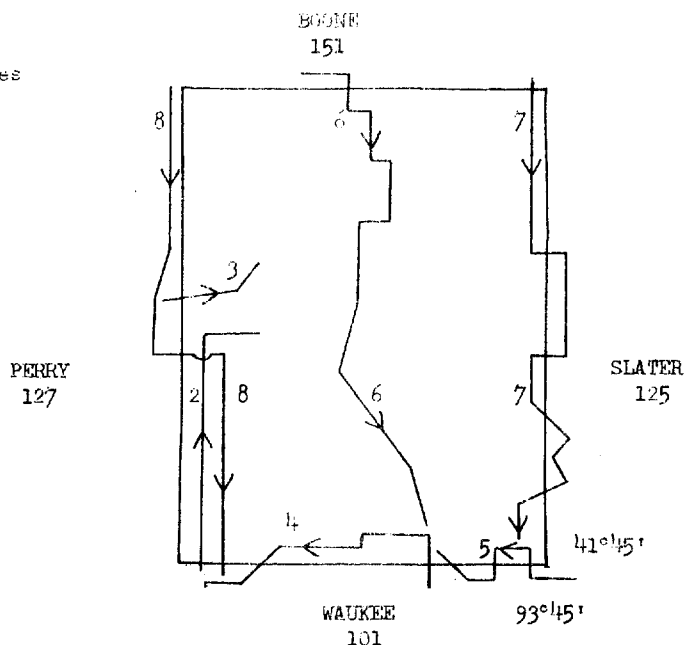
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MADRID QUADRANGLE
126 - IOWA
N4145-W9945/15
DIAGRAM NK 15-8
DES MOINES, IOWA

Boone and Dallas Counties

Edition of 1/13/65

PR: MCL:vdc



LINE 1

Feet

ISOLATED BENCH MARKS NOT SHOWN ON DIAGRAM

T. 82 N., R. 25 W., SE. cor. sec. 29, iron post stamped "1000"	998.894
Madrid, about 250 ft E. of station, on S. end of middle pier of cement RR. bridge; aluminum tablet stamped "997"	995.843
Madrid, 2.4 mi N. of; SW. cor. sec. 18, Garden Township, at T-rd.; iron post stamped "1033"	1031.760
Madrid, 5.9 mi N. of at T-rd. SW.; cor. sec. 31, Colfax Township; iron post stamped "1080"	1078.357
Madrid, 9.0 mi N. of; at rd. crossing, SE. cor. sec. 13, North Township; iron post stamped "1106"	1104.469
Madrid, 8.0 mi N. and 3.0 mi W. from, SW. cor. sec. 15, Worth Township; iron post stamped "P T S 15 1094"	1092.615
Maingona, 1.5 mi S. of; at Y-rd. SE. cor. sec. 13; Mercy Township; iron post stamped "1060" (reported disturbed)	1058.709
Ogden, 3.0 mi S. and 2.0 mi E. from; at Mercy Center School, NW. cor. sec. 22, Mercy Township in corner of school lot; iron post stamped "P T S 14 1093"	1092.280
Woodward, 2.0 mi N. of at T-rd.; center sec. 30, Cass Township; iron post stamped "1038"	1036.956
Madrid, 3.0 mi W. of; at rd. crossing SE. cor. of sec. 28, Cass Township; iron post stamped "894"	893.025
Madrid, 2.0 mi E. and 4.5 mi S. from, at crossroads; W. side of sec. 21, Madison Township iron post stamped "951"	943.547
Granger, 1.5 mi N. and 2.0 mi E. from; at T-rd. in front of schoolhouse, SE. cor. sec. 31, Madison Township; iron post stamped "974"	972.786

126 C

MADRID QUADRANGLE
126 - IOWA

LINE 1 (Cont'd)Feet

- Moran, 2.5 mi S. and 1.0 mi E. from; at Y-rd., SE. cor. sec. 32; Des Moines Township;
iron post stamped "878" 876.805
- Woodward, 1.0 mi S. and 2.0 mi W. from; at T-rd. N. side of sec. 14; Beaver Township;
iron post stamped "910" 909.234

LINE 2NORTH ALONG SOUTH PORTION WEST BORDER (R.L. Holcomb, 1948; CV 156) WAUKEE QUAD. - 101

- 4.4 Minburn, 0.6 mi S. and 2.0 mi E. from; about 0.4 mi S. of crossroads; 665 ft N. of
fence at cor. secs. 9, 10, 15 and 16, T. 80 N., R. 27 W., 35 ft E. of center of rd., 2 ft
E. and 1 ft N. from fence corner (T-fence E.) in concrete post; standard tablet stamped
"TT 17 MT 1964" 1013.785
- 4.1 Reference mark, 0.4 mi N. of tablet; near quarter cor. between secs. 9 and 10, T. 80
N., R. 27 W., 38 ft S. and 22 ft E. from crossroads, on concrete base of fence post;
chiseled square 1012.01

MADRID QUAD. - 126

- 6.4 Minburn, 2.0 mi E. and 1.6 mi N. from, near cor. secs. 3, 4, 33 and 34; Tps. 80 and 81
N., R. 27 W., 328 ft N. of small concrete bridge; 32 ft N. and 26 ft W. from crossroads;
2 ft W. of and 3 ft S. from fence corner, 2 in. W. of power line pole; iron post stamped
"955" (previous elev. of 954.307 could not be reconciled. New elev. established) 954.740
- 7.4 Minburn, 2.0 mi E. and 2.6 mi N. from, near cor. secs. 27, 28, 33 and 34, T. 81 N.,
R. 27 W., 90 ft E. and 12 ft S. from crossroads; 12 ft S. and 16 ft W. from center of
bridge; on SW. concrete wingwall; chiseled square 931.97
- 8.6 Minburn, 2.0 mi E. and 3.8 mi N. from, about 893 ft N. of cor. secs. 21, 22, 27 and 28;
T. 81 N., R. 27 W., 60 ft N. and 20 ft W. from center of rd. at concrete culvert; 34
ft S. of center of wire gate and rd. W. into field; 30 ft N. of fence corner; in fence
line; in concrete post; standard tablet stamped "9 RH 1948" (not found 5/64 WKM) 941.642
- 9.5 Minburn, 2.0 mi E. and 4.6 mi N. from, to T-rd. S.; near SE. cor. sec. 16, T. 81 N.,
R. 27 W., 20 ft N. and 255 ft W. from T-rd. S.; on round culvert; chiseled square 954.78
- 10.4 Bouton, 1.0 mi S., thence 0.7 mi E., thence 0.3 mi S. from, near center NE¹/₄ sec.
16, T. 81 N., R. 27 W., 64 ft S. and 8 ft E. from center of bridge over Beaver Creek;
on SE. corner of bridge; in wooden guard rail; copper nail and washer 915.9
- 11.5 Bouton, 1.0 mi S. of, near SW. cor. sec. 9, T. 81 N., R. 27 W., 495 ft N. and 32 ft E.
from hwy. 17 at T-rd. N.; 52 ft N. of T-fence E.; 21 ft N. of wire gate and dim rd.
into field E.; 34 ft N. and 1 ft E. of telephone pole, in fence line, in concrete
post; standard tablet stamped "10 RH 1948" (not found WKM, 5/64) 916.347
- 12.8 Bouton, 1.0 mi S. and 1.3 mi E. from, near E. sixteenth cor. between secs. 10 and 15;
T. 81 N., R. 27 W., 3 ft E. of guard post on E. side of concrete water drain off hwy.;
chiseled square 908.84

LINE 3EAST FROM NEAR CENTER OF WEST BORDER (R.J. George, 1948; CV 192) PERRY QUAD. - 127

- 6.5 Tps. 81 and 82 N., R. 27 W., near cor. secs. 4, 5, 32 and 33; 24 ft S. and 27 ft E. from
crossroads; U.S. G.S. iron pipe stamped "P T S 13" 964.133
- 7.0 Perry, 2.2 mi N. and 5.0 mi E. from; near quarter cor. between secs. 32 and 33; T. 82
N., R. 27 W., 24 ft S. and 22 ft E. from T-rd. E.; in E. side of power line pole;
rail spike 949.8

<u>LINE 3 (Cont'd)</u>	<u>MADRID QUAD. - 126</u>	<u>Feet</u>
7.8 Perry, 2.2 mi N. and 5.8 mi E. from; near center SE $\frac{1}{4}$ sec. 33, T. 82 N., R. 27 W., 30 ft S. and 33 ft E. from crossroads; in S. side of power post; rail spike		953.0
9.0 Woodward, 1.0 mi N. and 2.5 mi W. from; near quarter cor. between secs. 34 and 35, T. 82 N., R. 27 W., 30 ft S. and 30 ft E. from center of crossroads; in N. side of power line post; rail spike;		1018.4
10.0 Station is about 2.5 mi NW. of Woodward on land owned and occupied by Anton Bodansky. Station is 259 ft N. and 28.5 ft W. of SE. fence corner at the SE. corner of SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, T. 82 N., R. 27 W. of fifth meridian. US&GS WOODWARD 1930"		1078.406
12.0 T. 82 N., Rs. 26 and 27 W., quarter cor. between secs. 25 and 30, SW. cor. of crossroads in concrete post US&GS and State Surve # 14 Elev. by U.S.G.S.		1059.590

LINE 4

WEST ALONG WEST PORTION OF SOUTH BORDER (W.K. Mc Gurley, 1964; UV 1736)

WAUKEE QUAD. - 101

1 29 9.6 Reference mark, 295 ft S. of tablet; on N. curb of concrete casement of windmill; a chiseled square; painted "RM"		1022.54
9.6 Dallas Center, 2.5 mi N. 4.5 mi E. of; Granger, 2.5 mi S. and 2.5 mi W. of; T. 80 N., R. 26 W., near quarter cor. between secs. 21 and 22; 17 ft N., 39 ft W. and 0.8 ft lower than private rd. W.; 2.0 ft E. of power pole; 1 ft S. of a fence line; in top of concrete post; a standard tablet stamped "5 WMC 1964 1023" painted "EM 1023.4"		1023.325
32 10.1 UE 5 WMC A, 0.5 mi N. of tablet; T. 80 N., R. 26 W., cor. secs. 15, 16, 21 and 22; 66 ft S., 32 ft E. of and 1.8 ft lower than crossroads; in power pole; a lag bolt; painted "UE 1025.0"		1024.99
33 11.1 UE 5 WMC B, 1.5 mi N. of tablet; T. 80 N., R. 26 W., cor. secs. 9, 10, 15 and 16; 27 ft S., 31 ft E. of and 1.1 ft lower than crossroads; on S. end of 12-in. corrugated culvert; a painted square; painted "UE 967.4"		967.34

MADRID QUAD. - 126

34 12.1 UE 5 WMC C, 2.5 mi N. of tablet; 2.5 mi W. of Granger along Co. Hwy. "M", T. 80 N., R. 26 W., cor. secs. 3, 4, 9 and 10; in center of crossroads; a copper nail and washer; painted "centerline 876.4"		876.41
35 12.5 Granger, 2.8 mi W. of along Co. Hwy. "M" T. 80 N., R. 26 W., near E. sixteenth cor. between secs. 4 and 9, 0.3 mi W. of crossroads; at cor. secs. 3, 4, 9 and 10 about 300 ft E. of E. side of barn, 27 ft N., 83 ft W. of field entrance N., in top of N. concrete headwall of culvert; and 5.6 ft lower than center of rd at culvert; a standard tablet stamped "6 WMC 1964 888" painted EM 888.4		888.375
36 12.5 Reference mark, 55 ft S. of tablet; on top of 36-in. steel corrugated culvert; a painted square; painted "RM"		888.46
13.2 UE 6 WMC A, 0.7 mi W. of tablet; T. 80 N., R. 26 W., cor. secs. 4, 5, 8 and 9; in center of rd. at T-rd. N.; a copper nail and washer; painted "UE 925.9"		925.85
37 14.2 UE 6 WMC B, 1.7 mi W. of tablet; T. 80 N., R. 26 W., cor. secs. 5, 6, 7 and 8; in center of crossroads; a copper nail and washer; painted "UE 969.2"		969.21
38 15.2 UE 6 WMC C, 2.7 mi W. of tablet; T. 80 N., Rs. 26 and 27 W., cor. secs. 1, 6, 7 and 12, 20 ft N., 6.5 ft E. of and 2.1 ft lower than T-rd. E.; on top of concrete culvert; a painted square; painted "UE 989.2"		989.21

MADRID QUADRANGLE
126 - IOWALINE 4 (Cont'd)MADRID QUAD. - 126Feet

- 1 39 15.7 Minburn, 5.0 mi E. of; Granger, 0.5 mi S. and 5.5 mi W. of; T. 80 N., R. 26 and 27 W., near quarter cor. between secs. 7 and 12; 43 ft E. of and 0.2 ft higher than T-rd. W.; 6 ft N. of E.-W. fence corner; 6 ft E. of offset fence corner (T. fence N.) projecting 3 in., in top of concrete post; standard tablet stamped "7 WMC 1964 979" painted "EM 979.1" 979.137
- 41 15.7 Reference mark, 235ft W. of tablet; in NE. corner of Y-intersection; on SE. end of concrete culvert; a chiseled square; painted "RM" 974.60
- 16.7 UE, 7 WMC A, 1.0 mi W. of tablet; T. 80 N., R. 27 W., near quarter cor. between secs. 11 and 12; in center of crossroads; a copper nail and washer; painted "UE 962.0" 962.02
- 42 17.7 UE 7 WMC B, 2.0 mi W. of tablet; T. 80 N., R. 27 W., near quarter cor. between secs. 10 and 11; 42 ft N., 33 ft W. of and 4.7 ft lower than crossroads; on concrete base of fence corner post; a chiseled square; painted "UE 988.3" 988.40

WAUKEE QUAD. - 101

- 43 18.7 Reference mark, 90 ft N. of tablet; in NE. corner of crossroads; on concrete base of corner fence post; a chiseled square; painted "RM" 1010.99
- 18.7 Minburn, 2.0 mi E. of; T. 80 N., R. 27 W., near quarter cor. between secs. 9 and 10, 57 ft S., 32 ft E. and 1.1 ft lower than crossroads; in top of concrete post; standard tablet stamped "8 WMC 1964 1012" painted "EM 1012.2" 1012.289
- 44 19.7 UE 8 WMC A, 1.0 mi S. of tablet; T. 80 N., R. 27 W., near quarter cor. between secs. 15 and 16, 34 ft N., 33 ft E. of and 3.5 ft higher than crossroads; on concrete base of corner fence post; a chiseled square; painted "UE 1015.9" 1016.00
- 45 20.7 UE 8 WMC B, 2.0 mi S. of tablet; T. 80 N., R. 27 W., near quarter cor. between secs. 21 and 22; 29 ft S., 32 ft W. of and 2.0 ft lower than T-rd. N.; on top of steel culvert; a painted square; painted "UE 1030.6" 1030.74
- 46 21.3 Dallas Center, about 3.5 mi NW. along the Minneapolis and St. Louis RR.; about 0.6 mi SE. of milepost 285, about 300 ft NW. of a rd. crossing, 16 ft NE. of center of track, and in light gray rock; a US&GS standard disk stamped "1035.611 Z 3 1930" 1035.611

LINE 5

WEST FROM SOUTHEAST CORNER (W.K. Mc Gurley, 1964; CV 1736)

DES MOINES QUAD. - 100

- 1 50 0.0 Polk City, 1.75 mi S. and 1.25 mi W. of; near NE. cor. of sec. 15, T. 80 N., R. 25 W., 480 ft S. and 35 ft E. of and 7.7 ft higher than T-rd. S.; from NW. Beaver Drive; 19 ft N. of drive to barn, 27 ft N. and 1.0 ft W. of a fence corner, in a concrete post; standard tablet stamped "TT 2 LB 1956 922" painted "EM 921.9" 921.715

WAUKEE QUAD. - 101

- 1.0 UE, 0.97 mi NW. of tablet; T. 80 N., R. 25 W., near quarter cor. between secs. 9 and 10; in center of rd. at T-rd. N.; a copper nail and washer; painted "UE centerline 919.7" 919.67
- 51 1.5 UE, 1.5 mi NW. of tablet; T. 80 N., R. 25 W., near center of sec. 9, 39 ft N., 20 ft W. of and 1.9 ft lower than T-rd. N.; on top of concrete culvert; a chiseled square; painted "UE 930.4" 930.45
- 52 2.0 UE, 2.0 mi NW. of tablet; T. 80 N., R. 25 W., near quarter cor. between secs. 8 and 9, 19 ft S., 62 ft E. of and 4.4 ft lower than T-rd. S.; on top of concrete culvert; a chiseled square; painted "UE 939.8" 939.80

<u>LINE 5 (Cont'd)</u>		<u>WAUKEE QUAD. - 101</u>	<u>Feet</u>
1 53 2.5	UE, 2.0 mi NW. of; thence 0.5 mi S. of tablet; T. 80 N., R. 25 W., near cor. secs. 8, 9, 16 and 17; 18 ft N., 29 ft W. of and 2.2 ft lower than T-rd. W.; on top of corrugated culvert; a painted square; painted "UE 911.9"		911.95
54 3.0	UE, 2.0 mi NW. thence 0.5 mi S., 0.5 mi W. of tablet; T. 80 N., R. 25 W., near quarter cor. between secs. 8 and 17, 46 ft N., 36 ft W. of and 3.3 ft lower than crossroads; top of S. end of concrete culvert; chiseled square; painted "UE 900.3"		900.38
55 3.7	Reference mark, 217 ft E. of tablet; and 25 ft N. of center of rd. on S. end of corrugated culvert; a painted square; painted "RM"		874.74
3.5	Granger, 1.0 mi S., 1.1 mi E. of; T. 80 N., R. 25 W., near E. sixteenth cor. between secs. 7 and 18, 150 ft NE. along rd., 30 ft NW. (normal to rd.) and 0.9 ft higher than T-rd. NE.; thence E., 30 ft NW. along tracks; 12 ft NE. normal to tracks; in top of concrete post; standard tablet stamped "9 WMC 1964 873" painted "RM 872.8"		872.806
56 4.6	UE 9 WMC A, 0.9 mi NW. of tablet; (along State Hwy. 141;) at junction of State Hwys. 141 and 60; on NW. end of SE. hwy. divider; on hwy. 141; on N. side of and 2 ft SE. of end, 0.5 ft higher than junction; a chiseled square; painted "UE 883.4"		883.51

MADRID QUAD. - 126

57 4.6	UE, 9 WMC B, 1.6 mi NW. of tablet; along State Hwy. 141 on SW. side of SE. end of triangular street divider onto State Hwy. 141 at Granger, and 0.6 ft higher than intersection; a chiseled square; painted "UE 885.0"	885.10
58 5.6	UE 9 WMC C, 2.0 mi NW. of tablet; along State Hwy. 141; T. 80 N., R. 26 W., near W. sixteenth cor. between secs. 1 and 12; on NW. end of Island, about 1.0 ft SE. of NW. end of and 0.2 ft higher than intersection; on top of curb; a chiseled square; painted "UE 886.2"	886.28
59 6.4	UE 9 WMC D, 2.0 mi NW. of; along State Hwy. 141, thence 0.8 mi W. of tablet; along Co. Hwy. "M", T. 80 N., R. 26 W., near quarter cor. between secs. 2 and 11; 227 ft W. along rd., 15 ft N. of and 2.4 ft lower than crossroads; on top of N. concrete headwall; a chiseled square; painted "UE 860.9"	860.97
60 6.7	UE 9 WMC E, Granger, 1.4 mi W. of; T. 80 N., R. 26 W., near W. sixteenth cor. between secs. 2 and 11; in center of bridge over Beaver Creek; a copper nail and washer; painted "UE centerline 864.7"	864.75
61 7.9	"UE 5 WMC G" (described in Line 4)	876.41

LINE 6

GENERALLY SOUTH THRU CENTER OF QUAD. (W.K. Mc Gurley, 1964; CV 1736) BOONE QUAD. - 151

1 80 5.2	Reference mark, 380 ft E. of tablet; at right angle curve in rd. from E. to N., 30 ft E. of center of rd. at curve; in power pole; lag bolt; painted "RM"	1056.81
5.2	Boone, 5.2 mi S. of along State Hwy. 164, T. 83 N., R. 26 W., 380 ft W. of right angle curve near N. sixteenth cor. between secs. 16 and 17, about 200 ft E. of entrance to a drive-in., 16 ft N. of center of rd. in top of N. concrete headwall a standard tablet stamped "12 WMC 1964 1056" painted "RM 1055.5"	1055.523
3 1 5.7	UE 12 WMC A, 0.5 mi S. of tablet; (along State Hwy. 164) T. 83 N., R. 26 W., near center of sec. 17, 40 ft N., 42 ft W. of and 5.0 ft lower than T-rd. NE.; on top of concrete headwall; a chiseled square; painted "UE 884.4"	884.42

MADRID QUAD. - 126

4 6.4	UE 12 WMC B, 0.5 mi SW. of thence 0.7 mi SE. of tablet; T. 83 N., R. 26 W., near NW. cor. of sec. 21, in Ledges State Park; in center of middle portion formed by "Y" intersection; about 150 ft N. of small concrete bridge; copper nail and washer; painted "UE centerline 864.6"	864.61
-------	---	--------

MADRID QUADRANGLE
126 - IOWA

LINE 6 (Cont'd)

MADRID QUAD. - 126

Feet

- 3 5 7.2 UE 12 WMC C, 0.5 mi SW. thence 1.4 mi SE. of tablet; T. 83 N., R. 26 W., in SE $\frac{1}{4}$ sec. 16, in center of small bridge a copper nail and washer; painted "UE centerline 909.3" 909.30
- 7 8.2 UE 12 WMC D, 0.5 mi SW. thence 2.4 mi E. along winding rd. in Ledges State Park; at E. entrance to Park; at W. end of Co. Hwy. "K", T. 83 N., R. 26 W., cor. secs. 15, 16, 21 and 22; in center of blacktop rd. at T-rd. S.; a copper nail and washer; painted "UE centerline 1094.4" 1094.42
- 8 8.7 Boone, 5.25 mi S. of junction of U.S. Hwy. 30 and State Hwy. 164 at; Luther, 1.5 mi N., 3.0 mi W. of; 0.5 mi S. of W. end of Co. Hwy. "K", T. 83 N., R. 26 W., near quarter cor. between secs. 21 and 22; 352 ft S., 34 ft E. of and 0.5 ft lower than T-rd. W.; 2 ft N. of 2nd telephone pole S. of Trd. W.; in top of concrete post; projecting 3 in.; a standard tablet stamped "13 WMC 1964, 1091" painted "EM 1091.3" 1091.381
- 9 8.7 Reference mark, 295 ft N. of tablet; 20 ft E. of center of rd., on top of steel corrugated culvert; a painted square; painted "RM" 1088.92
- 9.6 UE 13 WMC A, 0.5 mi S. thence 0.3 mi E. of tablet; T. 83 N., R. 26 W., about 0.3 mi E. of cor. secs. 21, 22, 27 and 28; 39 ft S., 36 ft E. and 1.8 ft lower than T-rd. S.; in telephone pole; a lag bolt; painted "UE 1085.8" 1085.86
- 11 10.6 UE 13 WMC B, 0.5 mi S., 0.3 mi E. thence 1.0 mi S. of tablet; T. 83 N., R. 26 W.; near quarter cor. between secs. 27 and 34, 2.5 mi W. of Luther, 269 ft N. 20 ft W. of and 3.8 ft lower than crossroads; on top of concrete headwall; a chiseled square; painted "UE 1073.0" 1073.04
- 12 11.7 Reference mark, 300 ft E. of tablet; 29 ft N. of W. leg of inverted Y-intersection of E.-W. rd., on N. side of power pole; a lag bolt; painted "RM" 1059.88
- 11.7 Luther, 1.0 mi S., 2.5 mi W. of; Tps. 82 and 83 N., R. 26 W., near quarter cor. between secs. 3 and 34; 300 ft W., 25 ft S. of and 4.6 ft higher than W. leg of inverted Y-intersection with E.-W. rd., level with center of rd. opposite B.M. in top of concrete post; standard tablet stamped "14 WMC 1964 1066" painted "EM 1065.6" 1065.602
- 13 12.6 "P.P. C. Madrid NW. Flt. 4, Photo 1-189, Rd. at drive W. 1042.4
- 12.6 UE 14 WMC A, 0.9 mi W. of tablet; about 400 ft S. of curve to S. in rd., T. 82 N., R. 26 W., in NE $\frac{1}{4}$ sec. 4; 250 ft S., 17 ft E. of and 4.5 ft lower than private drive W. to farm house; on top of steel corrugated culvert; a painted square; painted "UE 1037.8" 1037.90
- 14 13.2 UE 14 WMC B, 1.5 mi SW. of tablet; T. 82 N., R. 26 W., in SW $\frac{1}{4}$ sec. 4; 132 ft S. 27 ft E. and 3.0 ft lower than Trd. SW.; in power pole; a lag bolt; painted "UE 946.1" 946.12
- 15 13.7 UE 14 WMC C, 2.0 mi SW. of tablet; T. 82 N., R. 26 W., in NW $\frac{1}{4}$ sec. 9, at bridge over the Des Moines River; 164 ft SW. of NE. end of bridge; on E. end of concrete pier in middle of river stream; and 1.0 ft lower thence center of bridge; a chiseled square; painted "UE 862.6" 862.66
- 17 14.6 UE 14 WMC D, 3.0 mi SW. of tablet; T. 82 N., R. 26 W., cor. secs. 8, 9, 16 and 17, 30 ft S., 27 ft W. of and 0.4 ft lower than T-rd. N.; in power pole; a lag bolt; painted "UE 1023.0" 1023.04
- 18 15.2 Luther, 3.0 mi S., 3.5 mi W. of; Madrid, 3.0 mi N., 3.5 mi W. of; T. 82 N., R. 26 W., near quarter cor. between secs. 9 and 16, 205 ft S., 26 ft E. of and 5.0 ft higher than T-rd. S.; 6 ft S. of corner post of gate to barn yard, 4.0 ft E. of mail box; 1 ft W. of barnyard fence, in top of concrete post; standard tablet stamped "15 WMC 1964 1028" painted "EM 1027.5" 1027.567

LINE 6 (Cont'd)	MADRID QUAD. - 126	Feet
3 20 15.2 Reference mark, 570 ft S. of tablet; and 15 ft E. of center of rd., on top of steel corrugated culvert; a painted square; painted "RM"		1015.41
15.9 UE 15 WMC A, 0.7 mi S. of tablet; T. 82 N., R. 26 W., near center of SE $\frac{1}{4}$ sec. 16, 33 ft N., 13 ft W. and 0.2 ft higher than T-rd. E.; thence SE., in powerpole; a lag bolt; painted "UE 999.2"		999.22
21 16.5 Madrid, NE. Quad. Flt 1, Photo 2-151, P.P. "D", rd. at center of curve		996.0
16.8 UE 15 WMC B, 0.7 mi S. thence 0.9 mi SE of tablet; T. 82 N., R. 26 W., in NW $\frac{1}{4}$ sec. 22, 12 ft S., 20 ft W. of and 0.4 ft lower than T-drive W.; on top of S. end of culvert under driveway, a painted square; painted "UE 967.4"		967.48
23 17.6 UE 15 WMC C, 0.7 mi S., thence 1.7 mi SE. of tablet; T. 82 N., R. 26 W., near quarter cor. between secs. 22 and 27; 8 ft N., 13 ft W. of center of rd. at cross-fences; of yard and barnyard; 60 ft NW. of a red silo; on top of concrete culvert; and 0.6 ft lower than center of rd. at culvert; a painted square; painted "UE 889.4"		889.42
24 17.9 UE 15 WMC D, 0.7 mi S., thence 2.0 mi SE. of tablet; T. 82 N., R. 26 W., 0.2 mi S., 0.1 mi W. of quarter cor. between secs. 22 and 27; in center of concrete bridge over small creek ground elev.; painted "UE centerline 855.7"		855.74
25 18.1 Reference mark, 235 ft ENE. of tablet; and 24 ft SE. of center of rd. on W. end of steel culvert under T-drive SW.; a painted square; painted "RM"		872.93
18.1 Madrid, 0.8 mi N., 2.8 mi W. of; T. 82 N., R. 26 W., in NW $\frac{1}{4}$ sec. 27; 78 ft N., 13 ft W. of and 1.5 ft higher than center of rd. at T-rd. ENE.; in top of W. concrete headwall and 0.8 ft higher than center of rd. at small bridge; a standard tablet stamped "16 WMC 1964 913" painted "EM 912.8"		912.858
26 18.9 UE 16 WMC A, 0.8 mi S. of tablet; T. 82 N., R. 26 W., near cor. secs. 27, 28, 33 and 34; 233 ft N., along E. side of Y-rds.; 19 ft W. of center of rd., and 1.3 ft higher than S. point of Y-junction; on top of concrete headwall; a chiseled square; painted "UE 884.3"		884.41
27 19.4 UE 16 WMC B, 1.3 mi S. of tablet; T. 82 N., R. 26 W., about 0.1 mi E. of quarter cor. between secs. 33 and 34; 21 ft N., 154 ft W. of and 7.6 ft higher than crossroads; on top of concrete headwall; a chiseled square; painted "UE 874.8"		874.92
28 19.8 UE 16 WMC C, 1.3 mi S. thence 0.5 mi W. (along State Hwy. 89) from tablet; T. 82 N., R. 26 W., near center of sec. 33, in center of hwy. at drive S.; painted square; painted "UE 996.7"		996.80
29 20.5 Reference mark, 85 ft E. of tablet; 96 ft S., 33 ft E. of T-rd. S.; in power pole; a lag bolt; painted "RM"		1023.57
20.5 Madrid, 0.5 mi S., 4.0 mi W. of; 4.5 mi SW. of along State Hwy. 89; Woodward; 0.5 mi N. and 1.5 mi E. of; T. 82 N., R. 26 W., near quarter cor. between secs. 32 and 33; 109 ft S., 49 ft W. of and 2.2 ft lower than T-rd. S.; 2 ft N. of guide wire of a telephone pole in top of concrete post; standard tablet stamped "17 WMC 1964 1024" painted "EM 1024.5"		1024.552
30 20.9 UE 17 WMC A, 0.4 mi S. of tablet; on top of W. wooden curb rail at center of bridge over RR. tracks; 0.8 ft higher than center of bridge; a copper nail and washer; painted "UE 1041.6"		1041.66
31 21.3 UE 17 WMC B, 0.8 mi S. of tablet; T. 81 N., R. 26 W., near quarter cor. between secs. 4 and 5; 33 ft S., 34 ft E. of and 0.2 ft lower than T-rd. W.; in SW. root of 36-in. maple tree; a copper nail and washer; painted "UE 1028.7"		1028.80
32 21.8 UE, 17 WMC C, 1.3 mi S. of tablet; T. 81 N., R. 26 W., near cor. secs. 4, 5, 8 and 9; 21 ft N., 68 ft W. of and 3.0 ft lower than Y-intersection; (rd. N.-W. and SE.) on top of steel culvert; a painted square; painted "UE 1024.0"		1024.06

8
MADRID QUADRANGLE
126 - IOWA

<u>LINE 6 (Cont'd)</u>	<u>MADRID QUAD. - 126</u>	<u>Feet</u>
3 34 23.0	Woodward, 2.0 mi S., 1.75 mi E. of; T. 81 N., R. 26 W., near E. sixteenth cor. between secs. 9 and 16; 43 ft N., 80 ft W. of and 0.1 ft lower than T-rd. NW.; 3 ft N. and 1.0 ft E. of cor. fence post; in top of concrete post; standard tablet stamped "18 WMC 1964 1020" painted "EM 1019.7"	1019.807
35 23.2	Reference mark, 780 ft W. of tablet; 27 ft S., 19 ft W. of T-rd. S.; on top of concrete culvert; a painted square; painted "RM"	1023.85
23.4	Center of rd. at E.-W. fence S.	1025.1
23.8	Rd. at N. drive E.	1032.6
36 24.1	UE 18 WMC A, 0.1 mi W. thence 1.0 mi S. of tablet; T. 81 N., R. 26 W., near quarter cor. between secs. 16 and 21; 450 ft N., 16 ft W. of and 4.1 ft lower than crossroads; on top of concrete headwall; a chiseled square painted "UE 1007.6"	1007.66
37 24.6	UE 18 WMC B, 0.1 mi W. thence 1.6 mi S. of tablet; T. 81 N., R. 26 W., near center of sec. 21; in center of rd. at T-rd. E. (ground elev. painted "UE centerline 989.3"	989.42
38 25.1	UE 18 WMC C, 0.1 mi W. thence 2.1 mi S. of tablet; T. 81 N., R. 26 W., quarter cor. between secs. 21 and 28; 53 ft N., 27 ft E. of and 3.1 ft lower than T-rd. W.; of offset crossroads; on top of steel corrugated culvert; painted square; painted "UE 955.3"	955.43
39 25.3	Rd. at fence W.	940.8
25.6	Reference mark, 105 ft W. of tablet; 5 ft S., 30 ft W. of T-rd. E.; on top of clay pipe culvert; a painted square; painted "RM"	924.16
25.6	Woodward, 4.5 mi S., 1.5 mi E. of; Granger, 2.5 mi N., 3.0 mi W. of; T. 81 N., R. 26 W., near center of sec. 28; 31 ft S., 68 ft E. of and 2.3 ft lower than T-rd. E.; 24 ft E. and 1.0 ft N. of cor. gate post; in top of concrete post; standard tablet stamped "19 WMC 1964 926" painted "EM 925.6"	925.653
40 26.1	UE 19 WMC A, 0.5 mi S. of tablet; T. 81 N., R. 26 W., near quarter cor. between secs. 28 and 33; 53 ft N., 16 ft E. of and 4.4 ft lower than N.-S. crossroads; on top of concrete headwall; a chiseled square; painted "UE 889.5"	889.62
41 26.9	UE 19 WMC B, 0.5 mi S. thence 0.8 mi SE. (along State Hwy. 141) of tablet; T. 81 N., R. 26 W., near quarter cor. between secs. 33 and 34; 142 ft SE. along State Hwy. 141; 19 ft NE. (normal to hwy.) and 1.3 ft lower than T-rd. S.; on top of concrete headwall; an Iowa Hwy. Commission tablet; painted "UE 887.0"	887.085
42 27.4	UE 19 WMC C, 0.5 mi S., 0.8 mi SE. thence 0.5 mi S. of tablet; Tps. 80 and 81 N., R. 26 W., near cor. secs. 3, 4, 33 and 34; at NW. cor. of bridge over Beaver Creek; 0.5 ft higher than center of bridge; 1.1 ft higher than T-rd. SE.; thence E., on top of piling of NW. wingwall; a copper nail and washer; painted "UE 872.1"	872.23
43 28.5	"UE 5 WMC C" (described in Line 4)	876.41

LINE 7

<u>SOUTH ALONG EAST BORDER (W.K. Mc Gurley, 1964; CV 1736)</u>	<u>BOONE QUAD. - 151</u>	
3 49 3.4	Luther, 2.3 mi N., 3.0 mi E. of; T. 83 N., R. 25 W., near S. sixteenth cor. between secs. 15 and 16; 700 ft S. of private driveway E.; on top of and in center of E. concrete headwall and 0.7 ft higher than center of rd. at culvert; a standard tablet stamped "20 WMC 1964 1059" painted "EM 1058.9"	1058.936
50 3.4	Reference mark, 140 ft S. of tablet; on N. end of steel corrugated culvert under field entrance E.; a painted square; painted "RM"	1057.04

<u>LINE 7 (Cont'd)</u>	<u>MADRID QUAD. - 126</u>	<u>Feet</u>
3 50 3.7 UE 20 WMC A, 0.3 mi S. of tablet; T. 83 N., R. 25 W., cor. secs. 15, 16, 21 and 22; 25 ft N., 30 ft W. of and 2.4 ft lower than crossroads; on top of concrete culvert; a chiseled square; painted "UE 1061.5"		1061.49
51 4.7 UE 20 WMC B, 1.32 mi S. of tablet; T. 83 N., R. 25 W., cor. secs. 21, 22, 27 and 28; 17 ft S., 54 ft W. of and 2.4 ft lower than crossroads; on top of steel corrugated culvert; a painted square; painted "UE 1062.8"		1062.8
52 5.8 UE 20 WMC C, 2.36 mi S. of tablet; T. 83 N., R. 25 W., cor. secs. 27, 28, 33 and 34; 232 ft S., 17 ft W. of and 4.1 ft lower than center of crossroads; on top of steel corrugated culvert; a painted square; painted "UE 1049.5"		1049.5
53 6.3 Luther, 0.6 mi S., 3.0 mi E. of; T. 83 N., R. 25 W., near quarter cor. between secs. 33 and 34; at small drain; on top of and in center of E. concrete headwall 1.6 ft lower than center of rd. at culvert; a standard tablet stamped "21 WMC 1964 1036" painted "EM 1036.1"		1036.137
54 6.3 Reference mark, 465 ft S. of tablet; on E. end of steel corrugated culvert; a painted square; painted "RM"		1032.96
6.7 UE 21 WMC A, 0.4 mi S. of tablet; Tps. 82 and 83 N., R. 25 W., cor. secs. 3, 4, 33 and 34; 31 ft N., 23 ft W. of and 4.7 ft lower than crossroads; on top of steel corrugated pipe culvert; a painted square; painted "UE 1037.1"		1037.1
56 8.0 UE, 21 WMC B, 1.4 mi S. thence 0.2 mi W. of tablet; T. 82 N., R. 25 W., near E. sixteenth cor. between secs. 4 and 9, at bridge over Big Creek; 10 ft S. of center of bridge on floor of bridge; a chiseled square; painted "UE 1016.2"		1016.14
57 8.2 UE 21 WMC C, 1.4 mi S., thence 0.5 mi W. of tablet; T. 82 N., R. 25 W., near quarter cor. between secs. 4 and 9, at SE. corner of front steps of Garden Prairie Congregational Church; and 3.9 ft higher than T-rd. S.; a chiseled square; painted "UE 1056.0"		1055.95
58 9.2 UE 21 WMC D, 1.4 mi S. thence 0.5 mi W., thence 1.0 mi S. of tablet; T. 82 N., R. 25 W., quarter cor. between secs. 9 and 16; 28 ft N., 29 ft W. of and 2.5 ft lower than crossroads; on top of steel corrugated culvert; a painted square; painted "UE 1050.2"		1050.18
59 9.8 Luther, 3.0 mi S., 3.0 mi E. of; Madrid, 3.0 mi N. and 3.0 mi E. of; T. 82 N., R. 25 W., cor. secs. 9, 10, 15 and 16; at bridge over Big Creek; 7 ft W. of SE. cor. of bridge and level with center of bridge; on outside curb of bridge a standard tablet stamped "22 WMC 1964 1006" painted "EM 1005.8"		1005.773
61 9.8 Reference mark, 395 ft E. of tablet; 25 ft S. of center of rd., on E. end of culvert; under drive to barn; a painted square; painted "RM"		1013.66
<u>SLATER QUAD. - 125</u>		
61 10.3 UE 22 WMC A, 0.5 mi E. of tablet; T. 82 N., R. 25 W., quarter cor. between secs. 10 and 15, 37 ft S., 37 ft W. of and 0.9 ft lower than T-rd. S.; in power pole; a lag bolt; painted "UE 1047.0"		1046.97
62 11.3 UE 22 WMC B, 0.5 mi E. thence 1.0 mi S. of tablet; T. 82 N., R. 25 W., quarter cor. between secs. 15 and 22; 22 ft N., 55 ft E. of and level with crossroads; on top of concrete culvert; a chiseled square; painted "UE 1026.9"		1026.89
63 12.3 UE 22 WMC C, 0.5 mi E. thence 2.0 mi S. of tablet; T. 82 N., R. 25 W., quarter cor. between secs. 22 and 27; 31 ft S., 32 ft E. of and 0.6 ft higher than crossroads; in powerpole; a lag bolt; painted "UE 1031.1"		1031.06
64 12.6 Madrid, 0.7 mi N., 3.5 mi E. of; T. 82 N., R. 25 W., near center of sec. 27; at a small creek; in top of W. concrete headwall; 1.0 ft N. of S. end and 4.8 ft lower than center of rd. at culvert; standard tablet stamped "23 WMC 1964 988" painted "EM 988.4"		988.328

10
MADRID QUADRANGLE
126 - IOWA

LINE 7 (Cont'd)	SLATER QUAD. - 125	Feet
3 65 12.6 Reference mark, 38 ft E. of tablet; on top of and in center of E. concrete headwall of culvert; a chiseled square; painted "RM"		988.40
13.3 UE 23 WMC A, 0.7 mi S. of tablet; T. 82 N., R. 25 W., quarter cor. between secs. 27 and 34, in center of Co. Hwy. "G" and N.-S. gravel rd., a copper nail and washer; painted "UE centerline 987.2"		987.18
66 14.3 UE 23 WMC B, 1.7 mi S. of tablet; Tps. 81 and 82 N., R. 25 W., quarter cor. between secs. 3 and 34, 26 ft S., 21 ft W. of and 2.1 ft lower than T-rd. N. on top of W. end of steel corrugated culvert at field entrance S.; a painted square; painted "UE 1007.7"		1007.62
MADRID QUAD. - 126		
68 14.8 UE 23 WMC C, 1.7 mi S. thence 0.5 mi W. of tablet; Tps. 81 and 82 N., R. 25 W., cor. secs. 3, 4, 33 and 34; 61 ft S., 18 ft W. of and 1.0 ft lower than T-rd. S.; on top of steel corrugated culvert; a painted square; painted "UE 973.9"		973.88
69 15.8 Madrid, 2.0 mi S. and 3.0 mi E. of; T. 81 N., R. 25 W., cor. secs. 3, 4, 9 and 10; 95 ft N., 33 ft W. of and 0.3 ft lower than crossroads; 1 ft E. of fence line; in top of concrete post; standard tablet stamped "24 WMC 1964 960" painted "BM 960.1"		960.029
70 15.8 Reference mark, 60 ft SE. of tablet; 50 ft N. and 16 ft E. of crossroads; on top of steel corrugated culvert; a painted square; painted "RM"		960.03
16.8 UE 24 WMC A, 1.1 mi S. of tablet; T. 81 N., R. 25 W., near cor. secs. 9, 10, 15 and 16; at NW. cor. of bridge over Big Creek; on top of curb and 0.5 ft higher than center of bridge; a chiseled square; painted "UE 920.5"		920.5
72 17.3 UE 24 WMC B, 1.5 mi S. of tablet; T. 81 N., R. 25 W., quarter cor. between secs. 15 and 16, 15 ft S., 24 ft W. of and 0.7 ft lower than T-rd. W.; on top of steel corrugated culvert; a painted square; painted "UE 949.5"		949.44
73 17.8 UE 24 WMC C, 2.0 mi S. of tablet; T. 81 N., R. 25 W., near cor. secs. 15, 16, 21 and 22; on top of and in center of W. concrete curb of concrete bridge; 0.5 ft higher than center of bridge; a chiseled square; painted "UE 913.9"		913.91
74 18.3 UE 24 WMC D, 2.5 mi S. of tablet; T. 81 N., R. 25 W., quarter cor. between secs. 21 and 22, 27 ft N., 30 ft E. of and 2.3 ft lower than T-rd. E.; in power pole a lag bolt; painted "UE 972.0"		971.96
75 18.9 Polk City, 2.4 mi N., 2.2 mi W. of; T. 81 N., R. 25 W., near cor. secs. 21, 22, 27 and 28, 128 ft N., 33 ft E. of and 3.9 ft higher than T-rd. N.; 1.0 ft W. of a fence line, in top of concrete post; standard tablet stamped "25 WMC 1964 969" painted "BM 969.4"		969.338
76 18.9 Reference mark, 130 ft S. thence 695 ft SE. along State Hwy. 415; 18 ft NE. of center of rd. on concrete easment for a drain intake; a chiseled square; painted "RM"		962.10
SLATER QUAD. - 125		
19.6 UE 25 WMC A, 0.6 mi SE. of tablet; T. 81 N., R. 25 W., near center of sec. 27, in center of State Hwy. 145 at T-rd. N.; a copper nail and washer; painted "UE centerline 977.0"		976.96
77 20.6 UE 25 WMC B, 1.6 mi SE. of tablet; T. 81 N., R. 25 W., in NW. $\frac{1}{4}$ sec. 35, 24 ft S., 15 ft W. of and level with T-rd. W.; in power pole; a lag bolt; painted "UE 973.3"		973.29
78 21.7 Polk City, 1.4 mi N., 2.0 mi W. of; T. 81 N., R. 25 W., near W. sixteenth cor. between secs. 27 and 34, 31 ft N., 55 ft E. of and 1.9 ft higher than T-drive N., on crest of hill in top of concrete post; standard tablet stamped "26 WMC 1964 930" painted "BM 929.6"		929.583

<u>LINE 7 (Cont'd)</u>	<u>SLATER QUAD. - 125</u>	<u>Feet</u>
3 79 22.3	Reference mark, 120 ft W. of tablet; 31 ft N. of center of rd., in power pole with transformer, a lag bolt; painted "RM"	927.38
80 22.8	UE 26 WMC A, 1.1 mi SE. of tablet; T. 81 N., R. 25 W., about 0.2 mi N. of quarter cor. between secs. 3 and 34; 345 ft N., 25 ft E. of and 4.4 ft higher than T-rd. N.; and NE., 9 ft N., 25 ft E. of private drive E.; on top of steel corrugated culvert; a painted square; painted "UE 846.8"	846.78

MADRID QUAD. - 126

4 1 23.8	UE 26 WMC B, 1.1 mi SE. thence 1.0 mi W. of tablet; T. 81 N., R. 25 W., in SE $\frac{1}{4}$ sec. 33, at NE. cor. of bridge over Des Moines River; 2.3 ft lower than center of bridge; on top of concrete curb; a chiseled square; painted "UE 835.7"	835.61
2 24.5	Reference mark, 250 ft N. of tablet; 153 ft N., 37 ft W. of T-rd. S.; on top of concrete base of water faucet; a chiseled square; painted "RM"	934.01
24.5	Polk City, 0.4 mi N., 4.2 mi W. of; T. 81 N., R. 25 W., near SW. cor. sec. 33, 76 ft S., 38 ft W. of and 1.2 ft higher than T-rd. S.; in top of concrete post; standard tablet stamped "27 WMC 1964 942" painted "EM 941.6"	941.592
3 25.6	UE 27 WMC A, 1.1 mi S. of tablet; T. 80 N., R. 25 W., near center of sec. 4, 380 ft S. and 24 ft W. of T-rd. E.; 5.3 ft lower than center of rd. at culvert; on top of steel corrugated culvert; a painted square; painted "UE 901.8"	901.72
4 26.5	"UE TF 2 L B" (described in Line 5)	930.45

LINE 8

SOUTH ALONG WEST BORDER (W.K. Mc Gurley, 1964; CV 1736)

OGDEN QUAD. - 152

4 9 3.0	UE K 32 C, 0.9 mi E. along U.S. Hwy. 30 from tablet at Ogden thence 2.1 mi S., T. 83 N., R. 27 W., cor. secs. 8, 9, 16 and 17, 28 ft S., 31 ft E. of and 2.5 ft lower than crossroads; in power pole; a lag bolt; painted "UE 1086.6"	1086.57
---------	---	---------

PERRY QUAD. - 127

10 3.9	Ogden, 3.0 mi S. and 1.0 mi E. of; T. 83 N., R. 27 W., near S. sixteenth cor. between secs. 16 and 17, 24 ft N., 27 ft E. of and 0.5 ft lower than driveway W.; 3 ft NNW. of power line pole with transformer on pole; in a concrete post; standard tablet stamped "ET 3 JA 1964 1108" painted "EM 1108.5"	1108.523
11 3.9	Reference mark, 790 ft S. of tablet; 20 ft S., 42 ft E. of and 2.1 ft lower than crossroads; on top of steel corrugated culvert; a painted square; painted "RM"	1096.27
5.0	UE 3 JA A, 1.1 mi S. of tablet; T. 83 N., R. 27 W., cor. secs. 20, 21, 28 and 29, 28 ft N., 20 ft E. of and 1.2 ft lower than crossroads; on top of steel corrugated culvert; a painted square; painted "UE 1081.7"	1081.75
12 6.0	UE 3 JA B, 2.1 mi S. of tablet; T. 83 N., R. 27 W., cor. secs. 28, 29, 32 and 33; 60 ft S., 48 ft E. of and 1.8 ft lower than crossroads; in W. root of elm tree; a copper nail and washer; painted "UE 1073.3"	1073.36
14 6.9	Ogden, 6.3 mi S., 1.0 mi E. of; T. 83 N., R. 27 W., near S. sixteenth cor. between secs. 32 and 33; 503 ft N., 28 ft E. of and 1.5 ft lower than crossroads; in top of concrete post; standard tablet stamped "28 WMC 1964 1086" painted "EM 1086.3"	1086.329
15 6.9	Reference mark, 590 ft S. of tablet; 84 ft S., and 16 ft E. of crossroads; on top of steel corrugated culvert; a painted square; painted "RM"	1086.35
8.0	UE 28 WMC A, 1.1 mi S. of tablet; T. 82 N., R. 27 W., near cor. secs. 4, 5, 8 and 9, 23 ft N., 25 ft E. of and 2.2 ft lower than crossroads; on top of steel corrugated culvert; a painted square; painted "UE 1095.4"	1095.46

12
MADRID QUADRANGLE
126 - IOWA

LINE 8 (Cont'd)

PERRY QUAD. - 127

Feet

- 4 16 8.9 UE 28 WMC B, 2.0 mi S. of tablet; T. 82 N., R. 27 W., near cor. secs. 8, 9, 16 and 17, 490 ft N. of crossroads; 18 ft E. of and 1.9 ft lower than center of rd. at culvert; on top of concrete headwall; a chiseled square; painted "UE 1058.3" 1058.40
- 17 8.9 Reference mark, 270 ft N. of tablet; on W. concrete headwall of culvert; a chiseled square; painted "RM" 1005.67
- 9.9 Woodward, 3.5 mi N., 4.5 mi W. of; Bouton, 4.0 mi N. of; T. 82 N., R. 27 W., near cor. secs. 16, 17, 20 and 21; about 0.1 mi N. of; in center of W. concrete headwall; and 1.2 ft higher than center of rd. at culvert; a standard tablet stamped "29 WMC 1964 1007" painted "EM 1007.4" 1007.488
- 18 11.0 UE 29 WMC A, 1.1 mi S. of tablet; T. 82 N., R. 27 W., cor. secs. 20, 21, 28 and 29; 28 ft N., 20 ft W. of and 1.4 ft lower than crossroads; on top of steel corrugated culvert; a painted square; painted "UE 974.4" 974.50
- 19 12.1 UE 29 WMC B, 2.2 mi S. of tablet; T. 82 N., R. 27 W., near cor. secs. 28, 29, 32 and 33; 390 ft S., 16 ft W. of and 0.9 ft lower than crossroads; 1.3 ft lower than center of rd. at bridge; on top of W. end of N. concrete abutment; a chiseled square; painted "UE 944.6" 944.64
- 21 12.6 UE 29 WMC C, 2.6 mi S. of tablet; T. 82 N., R. 27 W., quarter cor. between secs. 32 and 33; in center of rd. at T-rd. E.; (ground elev.) Painted "UE 950.7" 950.8
- 22 13.1 Tps. 81 and 82 N., R. 27 W., near cor. secs. 4, 5, 32 and 33; 32 ft S., 33 ft E. of and 1.3 ft lower than crossroads; in an iron pipe stamped "P T S 13" 964.217
- 23 13.1 Reference mark, 325 ft S. of tablet; 30 ft E. of center of rd., in power pole; a lag bolt; painted "RM" 959.74
- 14.0 UE PTS 13 A, 0.9 mi S. of tablet; T. 81 N., R. 27 W., cor. secs. 4, 5, 8 and 9 in center of N.-S. rd. at T-rd. E.; copper nail and washer; painted "UE 938.5" 938.55
- 24 14.5 UE PTS 13 B, 1.4 mi S. of tablet; T. 81 N., R. 27 W., quarter cor. between secs. 8 and 9; in center of concrete bridge over Beaver Creek; painted square; "UE centerline 921.5" 921.62
- 25 15.0 UE PTS 13 C, 1.9 mi S. of tablet; cor. secs. 8, 9, 16 and 17, in center of State Hwy. 141 at T-rd. N. to Bouton, a painted square; painted "UE centerline 920.9" 920.99

MADRID QUAD. - 126

- 26 15.8 Reference mark, 600 ft W. of tablet; 31 ft N. of center of rd. on top of concrete culvert; a chiseled square; painted "RM" 915.54
- 15.8 Bouton, 1.0 mi S., 0.8 mi E. of; T. 81 N., R. 27 W., near E. sixteenth cor. between secs. 9 and 16; 56 ft S., 46 ft E. of and 2.7 ft lower than T-rd. S. and private drive N.; in top of concrete post; standard tablet stamped "30 WMC 1964 919" painted "EM 918.6" 918.722
- 27 16.8 UE 30 WMC A, 1.0 mi S. of tablet; near E. sixteenth cor. between secs. 16 and 21; 22 ft N., 86 ft E. of and 1.3 ft lower than T-rd. N.; in power pole; a lag bolt; painted "UE 981.1" 981.16
- 28 17.0 UE 30 WMC B, 1.0 mi S., 0.2 mi E. of tablet; T. 81 N., R. 27 W., cor. secs. 15, 16, 21 and 22; 20 ft N., 255 ft W. of and 6.7 ft lower than T-rd. S. on top of concrete culvert; a chiseled square; painted "UE 954.4" 954.50
- 29 18.0 UE 30 WMC C, 1.0 mi S. thence 0.2 mi E. thence 1.0 mi S. of tablet; T. 81 N., R. 27 W., cor. secs. 21, 22, 27 and 28; 24 ft N., 31 ft W. of and 2.2 ft lower than crossroads; in power pole; a lag bolt; painted "UE 941.8" 941.89

<u>LINE 8 (Cont'd)</u>		<u>MADRID QUAD. - 126</u>	<u>Feet</u>
4 31 19.0	Minburn, 2.6 mi N. 2.0 mi E. of; T. 81 N., R. 27 W., near cor. secs. 27, 28, 33 and 34; 410 ft N., 9 ft W. of and 0.4 ft higher than crossroads; in top center of W. curb and 0.4 ft higher than center of bridge; standard tablet stamped "31 WMC 1964 933" painted "EM 933.4"		933.522
33 19.0	Reference mark, 420 ft S. of tablet; 12 ft S., 90 ft E. of crossroads; on top of SW. corner of bridge; a chiseled square; painted "RM"		932.18
20.0	UE 31 WMC A, 1.0 mi S. of tablet; Tps. 80 and 81 N., R. 27 W., cor. secs. 3, 4, 33 and 34; 29 ft N., 24 ft W. of and 2.3 ft lower than crossroads; on top of round concrete culvert; a chiseled square; painted "UE 954.0"		954.18
34 21.1	UE 31 WMC B, 2.2 mi S. of tablet; T. 80 N., R. 27 W., cor. secs. 3, 4, 9 and 10; in center of rd. at E.-W. fence lines; ground elev.; painted "UE 1003.6"		1003.7
		<u>WAUKEE QUAD. - 101</u>	
35 21.6	USGS B.M. "8 WMC 1964" (described in Line 4)		1012.269

LINE 9

EAST THRU CENTER OF QUAD. (W.K. Mc Gurley, 1964; CV 1736)

NOTE; Levelled by Fourth Order Methods. No Bench marks established. Not shown on diagram.

PERRY QUAD. - 127

2 13 0.0	"29 WMC A" (described in Line 8)	974.50
----------	----------------------------------	--------

MADRID QUAD. - 126

13 1.0	T. 81 N., R. 27 W., cor. secs. 21, 22, 27 and 28; in center of crossroads; ground elev.	1021.1
14 2.0	T. 81 N., R. 27 W., cor. secs 22, 23, 26 and 27, in center of crossroads; ground elev.	1072.5
15 3.0	UE, T. 81 N., R. 27 W., cor. secs. 23, 24, 25 and 26; in center of N.-S. rd. at T-rd. W.; painted square; ground elev.	1068.8
16 3.5	UE, T. 81 N., R. 27 W., quarter cor. between secs. 25 and 26, in center of N.-S. rd. at T-rd. E.; ground elev.	1067.2
17 4.5	UE, T. 81 N., Rs. 26 and 27 W., quarter cor. between secs. 25 and 30, in center of crossroads; ground elev.	1059.8
18 5.0	UE, T. 81 N., R. 26 W., near center of sec. 30, in center of E.-W. rd. at T-rd. S. ground elev.	1039.3
19 6.0	UE, T. 81 N., R. 26 W., near center of sec. 29; 32 ft N., 50 ft W. of T-rd. S.; on top of E. end of concrete culvert of field entrance N.; a chiseled square	1023.1
20 7.1	UE T. 81 N., R. 26 W., near center of SE. quarter sec. 28, in center of rd. at driveway SSE.	997.4
21 7.8	UE 16 WMC A" (described in Line 6)	884.41

FOURTH ORDER LEVELING, NO BENCH MARKS

LINE 10

NOT SHOW ON DIAGRAM

WEST THRU CENTER OF QUAD. (W.K. Mc Gurley, 1964; CV 1736)

MADRID QUAD. - 126

2 23 0.0	"23 WMC A" (described in Line 7)	987.18
----------	----------------------------------	--------

14
MADRID QUADRANGLE
126 - IOWA

<u>LINE 10 (Cont'd)</u>	<u>MADRID QUAD. - 126</u>	<u>Feet</u>
2 23 1.5 T. 82 N., R. 25 W., cor. secs. 28, 29, 32 and 33; in center of rd. at T-rd. N.; painted square; ground elev.		1000.3
24 2.3 Madrid, NE, center of rd. at RR. crossing		1003.1
2.5 UE, T. 82 N., R. 25 W., cor. secs. 29, 30, 31 and 32; in center of crossroads; painted square; ground elev.		1010.7
25 3.6 UE, T. 82 N., Rs. 25 and 26 W., cor. secs. 25, 30, 31 and 36; in center of State Hwy. 60 and E.-W. street, painted square; ground elev.		1011.7
26 4.9 UE, T. 82 N., R. 26 W., near E. sixteenth cor. between secs. 26 and 35, in center of Hwy. at T-rd. S.; painted square; ground elev.		1022.8
27 5.2 UE, T. 82 N., R. 26 W., near quarter cor. between secs. 26 and 35; in center of hwy. at T-rd. N.; ground elev.		1013.0
28 5.4 UE, T. 82 N., R. 26 W., in NW. cor. of sec. 35, in center of hwy. at T-rd. S.; and drive N.; ground elev.		984.2
29 6.4 UE, T. 82 N., R. 26 W., near center of sec. 34, in center of concrete bridge; over Des Moines, painted square; floor of bridge		860.8
30 6.7 UE, 16 WMC B, (described in Line 6)		874.92

LINE 11

WEST ALONG NORTH BORDER (W. K. Mc Gurley, 1964; CV 1736)	<u>MADRID QUAD. - 126</u>	
NOTE: Levelled by Fourth Order Methods; No bench marks established. Not shown on diagram.		
2 32 0.0 "UE 20 WMC A" (described in line 7)		1061.49
1.0 UE, T. 83 N., R. 25 W., cor. secs. 20, 21, 28 and 29; in center of crossroads; ground elev.		1093.0
33 2.0 UE, T. 83 N., R. 25 W., cor. secs. 17, 18, 19 and 20; in center of crossroads; ground elev.		1112.0
35 3.0 UE, T. 83 N., R. 25 and 26 W., cor. secs. 13, 18, 19 and 24; in center of State Hwy. 60 and E.-W. rds.; painted square; ground elev.		1106.2
36 4.0 UE, T. 83 N., R. 26 W., cor. secs. 13, 14, 23 and 24; in center of rd. at T-rd. N.; painted square; ground elev.		1135.2
37 4.7 UE, T. 83 N., R. 26 W., W. sixteenth cor. between secs. 14 and 23; in center of crossroads; painted square; ground elev.		1122.7
38 5.0 UE T. 83 N., R. 26 W., near cor. secs. 14, 15, 22 and 23; in center of rd. at T-rd. S.; painted square; ground elev.		1102.9
5.8 UE 12 WMC D, at E. entrance to Ledges State Park, at E. entrance to Park; at W. end of Co. Hwy. "K" T. 83 N., R. 26 W., cor. secs. 15, 16, 21 and 22; in center of blacktop rd. at Trd. S.; a copper nail and washer; painted "UE 1094.4"		1094.42

LINE 12

EAST ALONG WEST PORTION OF NORTH BORDER (W.K. Mc Gurley, 1964; CV 1736)	<u>PERRY QUAD. - 127</u>	
NOTE: Levelled by Fourth order methods No bench marks established Not shown on diagram		
2 40 0.0 "ET 3 JA" (described in Line 8)		1108.523

<u>LINE 12 (Cont'd)</u>	<u>MADRID QUAD. - 126</u>	<u>Feet</u>
2 40 1.0 UE T. 83 N., R. 27 W., cor. secs. 15, 16, 21 and 22; center of crossroads; ground elev.		1094.1
41 1.9 UE T. 83 N., R. 27 W., cor. secs. 14, 15, 22 and 23; E.-W. rd. at T-rd. S.; ground elev.		1079.2
42 2.3 UE, T. 83 N., R. 27 W., about 0.1 mi E. of quarter cor. between secs. 14 and 23; in center of Co. Hwy. "W", at E.-W. rds.; painted square; ground elev.		1081.8
43 3.1 UE, T. 83 N., R. 27 W., near quarter cor. between secs. 13 and 24; in center of E.-W. rd. at T-rd. N.; ground elev.		1070.8
44 3.7 UE, T. 83 N., R. 26 and 27 W., near N. sixteenth cor. between secs. 19 and 24; in center of N.-S. rd. at T-rd. E.; ground elev.		1055.7
46 5.4 UE, T. 83 N. R. 26 W., in NE $\frac{1}{4}$ sec. 20, in center of N.-S. rd. at T-rd. W.; ground elev.		885.4
47 5.8 UE "12 WMC B" (described in line 6)		864.61