

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

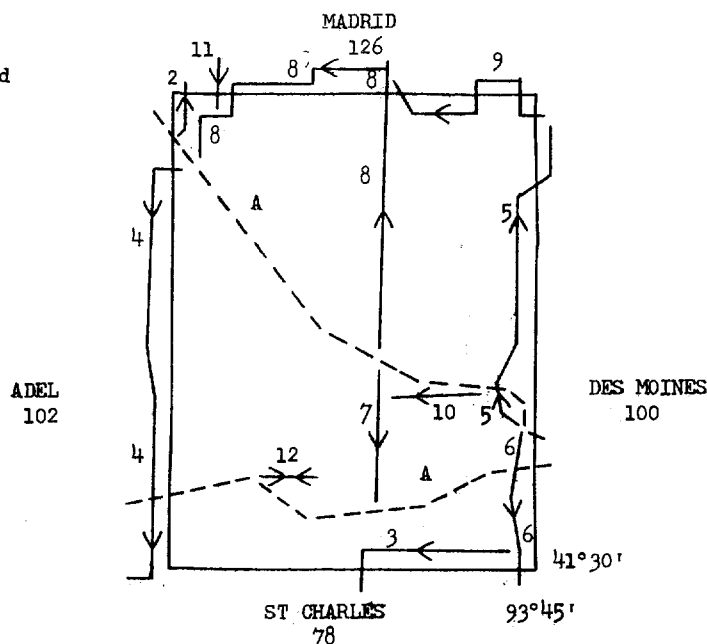
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WAUKEE QUADRANGLE
101 - IOWA
N4130-W9345/15
DIAGRAM NK 15-8
DES MOINES, IOWA

Dallas, Polk, Madison and
Warren Counties

Edition of 1/19/65

PR: MLC:vdc



USC&GS LEVELING
A. No. 410934

LINE 1

Feet

ISOLATED BENCH MARKS NOT SHOWN ON DIAGRAM

T. 78 N., R. 27 W., near NW. cor. sec. 10, 20 ft W. and 4 ft N. from corner fence post by roadside; iron post stamped "983"	981.493
Ortonville, 30 ft SE. of N. quarter cor. sec. 35, T. 79 N., R. 27 W., 4 ft S. of corner fence post; iron post stamped "1037"	1036.195
Waukee, 35 ft SE. of NW. cor. of sec. 33, T. 79 N., R. 26 W., 4 ft S. of corner fence post; iron post stamped "1035" (elev. by C&GS) (reported destroyed WMC 5/64)	1034.119 BAD IS THEY MOVED?
Pleasant View schoolhouse, 35 ft NE. of NW. corner of sec. 36, T. 79 N., R. 26 W., 8 ft E. of corner fence post in schoolyard; iron post stamped "1032" (Reset 1931)	1026.234
T. 78 N., R. 25 W., 40 ft NW. of cor. secs. 8; in corner of schoolyard; iron post stamped "950"	948.803
T. 27 N., R. 27 W., near N. quarter cor. sec. 14, in corner of lot at SW. corner of junction of crossroads; iron post stamped "1049"	1047.499
Dallas Center, in E. face of Citizen's Bank, 27 ft S. from edge; sec. 2, T. 79 N., R. 27 W., aluminum tablet stamped "1073"	1072.167
T. 80 N., R. 27 W., near W. quarter cor. sec. 23, in corner of field at SE. corner of crossroads; iron post stamped "1024"	1022.541
T. 80 N., R. 26 W., near E. quarter cor. sec. 19, in corner of field at NW. corner of T-rd.; iron post stamped "1029"	1028.137
T. 80 N., R. 26 W., near NE. cor. of sec. 16, in corner of lot at SW. corner of crossroads; iron post stamped "970"	968.567

101 C

WAUKEE QUADRANGLE
101 - IOWA

LINE 1 (Cont'd)

	<u>Feet</u>
T. 80 N., R. 26 W., near SE. cor. sec. 12, in corner of field, 200 yards E. of dwelling; 2.5 ft from Dallas Co. line, iron post stamped "867"	866.272
T. 80 N., R. 25 W., near center of sec. 20, NE. corner of schoolhouse yard; iron post stamped "881"	879.356
T. 80 N., R. 25 W., near NW. cor. sec. 34, in field opposite junction of T-rds.; iron post; stamped "885"	883.422
T. 79 N., R. 25 W., 450 ft W. of, near cor. secs. 3, 4, 9 and 10, in brick foundation on W. side of schoolhouse; aluminum tablet stamped "976"	974.373
T. 79 N., R. 25 W., near SE. cor. sec. 21, 20 ft W. of T-rd. S.; in field, 20 ft from large tree at corner; iron post stamped "956 P T S 2"	954.542
Commerce, 75 ft SW. of first stone culvert W. of station, 50 ft S. of track; 2 ft W. of gate; in right-of-way fence; near sec. tool house; iron post (USC&GS elev.)	836.140

LINE 2

NORTH IN NORTHWEST CORNER (R.L. Holcomb, 1948; CV 156)

WAUKEE QUAD. - 101

Dallas Center, 2.0 mi NW. along the Minneapolis and St. Louis RR. from; 62 ft SE. of the 2nd poles SE. of milepost 287, and 41 ft SW. of center of track; a USC&GS standard disk stamped "1044.375 A 4 1930" and set in top of concrete post	1044.375
Minburn, 2.0 mi E. and 2.0 mi S. from, near quarter cor. secs. 21 and 22; T. 80 N., R. 27 W., 26 ft N. and 40 ft W. of T-rd. N.; 5 ft W. of fence corner, on concrete base for fence corner brace; chiseled square	1030.27
Minburn, 2.0 mi E. and 1.0 mi S. from; near quarter cor. between secs. 15 and 16; T. 80 N., R. 27 W., 32 ft N. and 34 ft E. from crossroads; 4 ft N. of telephone pole; on concrete base of corner fence post; chiseled square	1015.83
Minburn, 0.6 mi S. and 2.0 mi E. from, about 0.4 mi S. of crossroads; 665 ft N. of fence at corner 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 1948" (not found 8/64 W.K.M.)	1013.785
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	1021.01

MADRID QUAD. - 126

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. and 3 ft S. from fence corner, 2-in. W. of power line pole; iron post stamped "935"	954.740
---	---------

LINE 3

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

ST. CHARLES QUAD. - 78

6.9 Churchville, 6.0 mi N. of; 1.0 mi E. and 0.5 mi S. from Cummings, near quarter cor. between secs. 16 and 17, T. 77 N., R. 25 W., 308 ft N. of crossroads; 31 ft W. and 1 ft higher than center of rd., 1 ft E. of fence line; in concrete post; standard tablet stamped "4 ADP 1950"	980.314
6.9 Reference mark, 606 ft N. of tablet; 10 ft S. and 20 ft E. from rd. at farm entrance E. on S. end of concrete culvert; chiseled square	972.72
7.3 UE 4 A, 0.5 mi N. of tablet; crossroads	946.48
7.8 UE 4 B, 1.0 mi N. of tablet; rd at T-fence E.	965.2
8.3 UE 4 C, 1.5 mi N. of tablet; rds. at dim T-rd. E.	922.5

<u>LINE 3 (Cont'd)</u>	<u>WAUKEE QUAD. - 101</u>	<u>Feet</u>
8.8 Cummings, 1.5 mi N. and 1.0 mi E. from; near quarter cor. between secs. 4 and 5, T. 77 N., R. 25 W., 330 ft S. along T-rd. S.; 132 ft S. 21 ft W. and level with center of rd. at farm entrance W.; 1 ft E. of fence line, in concrete post; standard tablet stamped "5 ADP 1950" (loose in ground 5/64 W.K.M.)		970.759
8.8 Reference mark, 154 ft N. of tablet; 25 ft W. of center of rd., in root on E. side of 8-in. maple tree; copper nail and washer (not found 5/64 W.K.M.)		971.97
9.3 UE 5 A, 0.6 mi W. of tablet; rd. at farm entrance S.		968.3
9.8 UE 5 B, 1.1 mi W. of tablet; crossroads		953.4
10.3 UE 5 C, 1.6 mi W. of tablet; rd. at field entrance S.		985.3
10.8 Cummings, 1.5 mi N. and 1.0 mi W. from; near quarter cor. secs. 1 and 6; T. 77 N., Rs. 24 and 25 W., 180 ft E. of T-rd. S.; 57 ft N. and level with center of rd., in concrete post; standard tablet stamped "6 ADP 1950"		985.211
10.8 Reference mark, 170 ft W. of tablet; 34 ft N. and 24 ft E. from rds. at T-rd. S.; in S. side of high line pole; RR. spike		984.20
11.4 UE 6 A, 0.5 mi W. of tablet; rd. at cross fences		946.8
11.9 UE 6 B, 1.0 mi W. of tablet; rds. at T-rd. S.		995.9
12.4 UE 6 C, 1.5 mi W. of tablet; rd. at farm entrance S.		972.9
13.2 Cummings, 1.5 mi N. and 3.4 mi W. from; near center of sec. 3, T. 77 N., R. 26 W., 580 ft E. of T-rd. S.; 30 ft S. of and level with rd., in concrete post; standard tablet stamped "7 ADP 1950"		944.107
13.2 Reference mark, 535 ft W. of tablet; 25 ft S. and 45 ft E. from rds. at T-rd. S.; on S. end of concrete culvert; chiseled square		927.49
13.8 UE 7 A, 0.5 mi W. of tablet; rd. at farm entrance S.		990.4
14.4 UE 7 B, 1.1 mi W. of tablet; rds. at T-rd. S.		1008.2
<u>ST CHARLES QUAD. - 78</u>		
14.9 UE 7 C, 1.6 mi W. of tablet; center of rds. at T-rd. N.		1012.0
15.3 Cummings, 1.5 mi N. and 5.4 mi W. from, about 2.0 mi S. of Booneville, near center sec. 5, T. 77 N., R. 26 W., 405 ft E. of crossroads; 34 ft N. and level with center of rd.; in concrete post; standard tablet stamped "8 ADP 1950"		1014.187
15.3 Reference mark, 265 ft W. of tablet; 34 ft N. of rd. in S. side of telephone pole; rail spike		1014.89

LINE 4

<u>SOUTH ALONG WEST BORDER (R.L. Holcomb, 1948; CV 156)</u>	<u>ADEL QUAD. - 102</u>	
2.8 Adel Courthouse, 6.8 mi N. of; along Hwy. 169, thence E. to T-rd. N.; about 0.2 mi S. of center of sec. 20, T. 80 N., R. 27 W., 25 ft N. and 51 ft W. from T-rd. N.; 15 ft W. of fence corner; on concrete base of fenced post; chiseled square		1039.97
3.4 Adel, 6.5 mi N. of; near NW. cor. sec. 29, T. 80 N., R. 27 W., 840 ft S. of T-rd. E. 49 ft E. of center of Hwy. 169, 2 ft S. and 1 ft W. from T-fence E.; in concrete post standard tablet stamped "TT 1 MT 1948" (destroyed 5/64 W.K.M.)		1027.557
3.4 Reference mark, 800 ft N. of tablet; 23 ft S. and 50 ft E. from center of T-rd. E.; RR. iron 6-in. above ground		1022.21

WAUKEE QUADRANGLE
101 - IOWA

LINE 4 (Cont'd)	ADEL QUAD. - 102	Feet
4.5 Adel Courthouse, 6.0 mi N. of; along Hwy. 169, near SW. cor. sec. 29, T. 80 N., R. 27 W., 16 ft N. and 51 ft W. from T-rd. W.; 1 ft SW. of fence corner post; RR. iron 6-in. above ground		1016.3
4.5 Adel, 4.5 mi N. of; at crossroads, near NW. cor. sec. 5, T. 79 N., R. 27 W., 52 ft W. of Hwy. 169, 40 ft S. of center of Hwy. 64, 7 ft N. and 6 ft W. from power pole; in concrete post flush with ground; bronze tablet stamped "USC&GS and State Survey "37" (USGS elev.)		1024.790
4.7 Adel, 4.3 mi N. of; near NW. cor. sec. 5, T. 79 N., R. 27 W., 0.2 mi S. of intersection of Hwys. 169 and 64, 50 ft W. of center of Hwy. 169, 30 ft N. and 3 ft W. from power pole; 1 ft E. of fence, in concrete post; standard tablet stamped "TT 2 MT 1948"		1016.792
5.8 Adel Courthouse, 3.7 mi N. of; along Hwy. 169, 0.3 mi N. of Co. Old Peoples Farm, 16 ft W. of center of Hwy., in headwall of concrete culvert; Iowa Hwy. Commission B.M.		992.26
6.7 Adel, 2.7 mi N. of; near N. cor. sec. 17, T. 79 N., R. 27 W., 480 ft S. and 49 ft E. from crossroads; 39 ft N. of telephone pole; 20 ft N. of gate post; 1 ft N. of fence; in concrete post; standard tablet stamped "TT 3 MT 1948"		986.765
6.7 Reference mark, 465 ft N. of tablet; in SE. cor. of crossroads; RR. iron		990.19
7.9 Adel Courthouse, 1.7 mi N. of; along Hwy. 169, 0.4 mi N. of Raccoon River bridge; 13 ft W. of center of hwy., on SW. corner of headwall of concrete drain; chiseled square		990.12
8.7 Adel Courthouse, 0.8 mi N. of; along Hwy. 169, 0.5 mi S. of bridge over N. Raccoon River along Hwy. 169, in W. headwall of small concrete culvert; Iowa Hwy. Comm. B.M.		894.93
9.5 Adel, in town of; 37 ft N. of center of E.-W. street, 29 ft W. of N.-S. street (hwy. 169) 2 ft W. of curb line, in public sidewalk; at SE. corner of courthouse yard, in concrete post $\frac{1}{2}$ -in. above the surrounding sidewalk; bronze tablet stamped "USC&GS and State Survey "76" elev. by U.S.G.S)		890.522
9.5 Reference mark, Adel Courthouse, 720 ft S. of; along Hwy. 169, at RR. crossing, 18 ft N. of center of tracks; on concrete steps in W. side of street, on bottom step; chiseled square		892.23
10.8 Adel Courthouse, 1.3 mi S. of; on Hwy. 169, near NE. cor. sec. 1, T. 78 N., R. 28 W., 225 ft S. and 21 ft W. from T-rd. W.; on concrete headwall of culvert; chiseled square		967.24
11.7 Adel Courthouse, 2.1 mi S. of; along Hwy. 169, near E. quarter cor. sec. 1, T. 78 N., R. 28 W., 45 ft E. of center of rd., in front lawn of white farmhouse between fence and house; in concrete post; standard tablet stamped "RH 1 1948 RESET 1950"		991.620
12.8 Adel Courthouse, 3.2 mi S. of along Hwy. 169, near center of E. cor. secs. 12; T. 78 N., R. 28 W., 72 ft N. and 135 ft W. from center of hwy. at driveway to large white farmhouse, at center of large curve in hwy., in root on SE. side of 15-in. pine tree; copper nail and washer		1014.06
13.6 Adel Courthouse, 4.0 mi S. of; on Hwy. 169, in S. center of SW $\frac{1}{4}$ sec. 7, T. 78 N., R. 27 W., 190 ft N. and 50 ft E. from T-rd. W.; 6 ft S. and 7 ft E. from telephone pole; on high bank 5 ft W. of fence line; in concrete post; standard tablet stamped "2 RH 1948"		992.709
13.6 Reference mark, about 200 ft SW. of tablet; in NW. corner of Trd. W.; 2-in. pipe 9-in. above ground		979.38
14.3 Adel Courthouse, 4.6 mi S. of; along Hwy. 169 to S. Raccoon River bridge; on SE. corner of bridge; on concrete abutment; chiseled square		883.15
14.8 Adel Courthouse, 5.2 mi S. of; along Hwy. 169, DeSote Schoolhouse, 0.2 mi W. thence 0.8 mi N. from; along Hwy. 169, near cor. secs. 13, 19, 18 and 24; T. 78 N., Rs. 27 and 28 W., 87 ft S. of T-rd. W.; 16 ft E. of center of hwy.; on concrete abutment of culvert; chiseled square		924.94

<u>LINE 4 (Cont'd)</u>	<u>ADEL QUAD. - 102</u>	<u>Feet</u>
15.7 De Soto Schoolhouse, 27 ft N. and 13 ft E. from center of driveway into schoolyard, 27 ft N. and 21 ft W. from T-rd. S.; 20 in. E. of low concrete wall; in concrete post; standard disk stamped "75" USC&GS and State Survey disk (elev. by USC&GS)		975.211
15.8 Reference mark, 880 ft W. of tablet; in SW. corner of crossroads; on Hwy. 169, on S. side of 14-in. maple tree; copper nail and washer		964.91
16.7 De Soto, at SW. cor. of; on concrete overpass on Hwy. 169 over C. R.I. & P. RR.; in NW. cor. of overpass, on concrete guard rail; chiseled square		927.25
17.3 De Soto Schoolhouse, 0.2 mi W. thence 1.2 mi S. from; along Hwy. 169 to junction of Hwys. 169 and 90; on NW. corner of concrete overpass; on concrete guard rail; 3 ft above rd. level; chiseled square		970.64
18.0 De Soto, 1.7 mi S. of; along Hwy. 169; about 0.7 mi S. of hwy. intersection, near cor. secs. 25, 30, 31 and 36; T. 78 N., Rs. 27 and 28 W., 77 ft W. of center of hwy.; 33 ft N. and 26 ft W. from large power pole; 11 ft N. of gate post; 1 ft E. of fence; on W. right-of-way of Hwy. 169 across rd. from small service station, in concrete post; standard tablet stamped "TT 4 MT 1948" (elev. by USC&GS)		913.013
18.0 Reference mark, 180 ft N. of tablet; on concrete headwall of culvert; chiseled square		911.28

WINTERSET QUAD. - 79

19.1 De Soto Depot, 2.6 mi SW. of along the C. R.I. & P. RR., 50 ft NE. of Dallas and Madison County line sign, 40 ft NW. of center of track; in E side of telephone pole rail spike	938.7
19.9 De Soto Depot, 3.4 mi SW. of; along C. R.I. and P. RR. at second signal semaphore S. at a derail; 5 in. N. of N. rail of main line; on small street post	954.14
20.6 Earlham, 4.5 mi E. of; near S. sixteenth cor. sec. 1 and 2; T. 77 N., R. 28 W., rd. turn, 28 ft E. of rd. to N., 21 ft N. of rd. to W.; 7 ft N. of gate post; 1 ft W. of fence N.-S.; in concrete post; standard tablet stamped "TT 5 MT 1948"	1058.961

LINE 5

<u>NORTH ALONG EAST BORDER (W.M. Voight, 1956; CV 716)</u>	<u>WAUKEE QUAD. - 101</u>
0.0 West Des Moines, about 2.0 mi W. of; along the M. and St. L. RR., in SE $\frac{1}{4}$ sec. 8, T. 78 N., R. 25 W., 545 ft W. of center of N.-S. rd., 29 ft S. of S. rail of the track; 50 ft N. of the right-of-way fence and 2 ft E. of a witness post; in a concrete post; standard USC&GS disk stamped "F 4 1930"	884.903
0.9 UE, 0.9 mi N. of disk; center of T-rd. S. (Ashworth Rd. at Bayes Rd.) chiseled square	974.36
1.2 UE, 0.9 mi N. and 0.3 mi W. of disk; center of Ashworth Rd. at private drive S.; chiseled square	955.09
1.7 West Des Moines, about 1.0 mi N. and 3.0 mi W. of; near cor. secs. 5, 6, 7 and 8, T. 78 N., R. 25 W., 275 ft N. and 40 ft W. of crossroads; in NE. corner of Pierce Schoolyard, 98 ft NE. of NE. corner of school; 3 ft S. and 3 ft W. of fence corner, in concrete post; standard tablet stamped "TT 6 LB 1956 947"	946.618
1.7 Reference mark, 230 ft S. of tablet; in SW. corner of schoolyard; on NE. corner of concrete well platform; chiseled square	950.13
2.2 UE, 0.5 mi N. of tablet; 35 ft W. of center of rd., in line with fence E.; in telephone pole; rail spike	975.49
2.8 UE, 1.1 mi N. of tablet; 33 ft S. and 18 ft W. of center of T-rd. S.; on SW. end of concrete culvert near center of headwall; a chiseled square	940.71

WAUKEE QUADRANGLE
101 - IOWA

<u>LINE 5 (Cont'd)</u>	<u>WAUKEE QUAD. - 101</u>	<u>Feet</u>
3.2 UE 1.5 mi N. and 0.2 mi W. of tablet; 10 ft N. and 27 ft W. of center of driveway W. into schoolyard, on N. end of steel culvert; painted square		943.2
3.7 UE, 2.0 mi N. and 0.2 mi W. of tablet; 45 ft N. and 12 ft E. of center of bridge; on E. curb rail about 8 in. above floor level; chiseled square		864.74
4.0 UE, 2.3 mi N. and 0.2 mi W. of tablet; center of U.S. Hwy. 6; and State Farm Rd., set in concrete pavement; U.S.G.L.O. marker (marker is a brass tablet) designating cor. secs. 28, 29, 32 and 33; T. 79 N., R. 25 W. (USGS elev.)		876.305
4.6 Grimes, 4.0 mi S. and 1.0 mi E. of; at N. edge of State Honor Farm property, near center of sec. 28, T. 79 N., R. 25 W., 33 ft E. of center of State Farm Rd., 430 ft N. of a wooden bridge, 220 ft S. of drive W., 32 ft S. and 1 ft W. of fence corner, in concrete post; standard USC&GS and State Survey disk stamped "77 NO 1599" (elev. USGS)		917.376
5.1 UE, 0.5 mi N. of disk; center of T-rd. S. (Douglas Ave. and State Farm Rd.) ground elev.		975.9
5.6 UE, 0.5 mi N. and 0.5 mi E. of disk; center of Douglas Ave. and private driveway N., ground elev.		969.6
5.9 Grimes, 4.0 mi S. and 2.0 mi E. of; near W. edge of city limits of Urbandale, 455 ft N. of State Hwy. 132; 34 ft E. of center of rd. at T-rd. N.; near cor. secs. 21, 22, 27 and 28, T. 79 N., R. 25 W., 170 ft N. of private drive E.; 13 ft N. and 1 ft W. of fence corner, in concrete post; standard tablet stamped "TT 5 LB 1956 965"		964.510
6.0 Reference mark, 270 ft N. of tablet; 35 ft E. of center of rd., in telephone pole; rail spike		965.81
6.4 UE, 0.4 mi N. of tablet; 8 ft S. and 40 ft W. of center of rd. at private drive W.; on S. end of steel culvert; a painted square		922.23
6.8 UE, 0.9 mi N. of tablet; 35 ft S. and 30 ft W. of center of crossroads; in telephone pole; rail spike		944.48
7.4 UE, 1.5 mi N. of tablet; 11 ft E. of center of rd., on top of E. guard rail of bridge; 2.5 ft above level of rd., chiseled square		905.26
7.9 Reference mark, 290 ft S. of "TT 4 LB" 18 ft S. and 30 ft W. of center of crossroads; on S. headwall of concrete culvert; a chiseled square		938.66
7.9 Grimes, 2.0 mi S. and 2.0 mi E. of; 275 ft N. and 31 ft W. of crossroads; near cor. secs. 9, 10, 15 and 16, T. 79 N., R. 25 W., 1 ft E. of right-of-way fence, in concrete post; standard tablet stamped "TT 4 LB 1956 946"		945.709
8.5 UE, 0.6 mi N. of tablet; 11 ft S. and 30 ft W. of center of rd. at private drive W. to barn, on S. end of steel culvert; painted square		970.0
8.9 UE, 1.0 mi N. of tablet; 35 ft N. and 30 ft W. of center of crossroads; (Applegate Rd. and Johnston Rd.) on N. end of steel culvert; painted square		975.2
9.5 UE, 1.5 mi N. of tablet; 12 ft N. and 30 ft W. of center of rd. at private drive W.; on N. end of steel culvert; painted square		962.4
10.0 UE, 2.1 mi N. of tablet; center of T-rd. S. (rd. N. offset) set in concrete pavement USGLO brass disk designating cor. secs. 3, 4, 33 and 34; Tps. 79 and 80 N., R. 25 W.		942.610
10.5 Grimes, 2.5 mi E. of; at quarter cor. secs. 3 and 34; Tps. 79 and 80 N., R. 25 W., 24.7 ft N. of metal plug in center of pavement and in line with N.-S. fence; in concrete post; standard disk stamped "USC&GS and State Survey 770159 1939" USGS elev.		877.433
11.6 UE, 0.5 mi W. thence 0.5 mi N. from disk; 15 ft N. and 20 ft E. of center of rd. at S. one of two private drives E.; on N. end of steel culvert; painted square		925.8

<u>LINE 5 (Cont'd)</u>	<u>WAUKEE QUAD. - 101</u>	<u>Feet</u>
12.0 UE, 0.5 mi W., thence 1.0 mi N. from disk; 45 ft N. and 20 ft W. of center of T-rd. W. on W. headwall of concrete culvert; chiseled cross		885.68
12.5 UE, 0.5 mi W. thence 1.5 mi N. of disk; center of concrete bridge over drain E.; on floor of bridge; a chiseled square		858.23
13.3 Grimes, 2.0 mi N. and 2.0 mi E. of; about 1.0 mi W. of Herrold, 295 ft S. and 30 ft E. of T-rd. E.; near S.W. cor. sec. 22, T. 80 N., R. 25 W., 3 ft N. and 1 ft W. of a fence corner, in concrete post; standard tablet stamped "TT 3 LB 1956 841"		841.191
13.3 Reference mark, 160 ft N. and 55 ft W. of tablet; in telephone pole; rail spike		841.24

DES MOINES QUAD. - 100

13.9 UE, 0.6 mi E. of tablet; 50 ft S. and 20 ft E. of center of rd. forks, in power pole; on S. side of rd.; rail spike	843.09
14.4 UE, 0.6 mi E. thence 0.5 mi N. from tablet; 12 ft E. of center of rd., on top of and near center of E. guard rail of concrete bridge; 2 ft above level of rd.; chiseled square	844.53

DES MOINES QUAD. - 100

14.9 UE, 0.6 mi E. thence 1.0 mi N. from tablet; 30 ft E. of center of rd. on E. end of S. one of two 40-in. steel culverts; painted square	855.4
15.5 UE, 0.6 mi E., thence 1.8 mi N., thence 0.2 mi E. from tablet; 30 ft S. and 285 ft W. of point of intersection of 90° rd. curve from E. to N., on S. end of steel culvert; painted square	897.9
15.7 Polk City, 1.75 mi S. and 1.25 mi W. of; near NE. cor. sec. 15, T. 80 N., R. 25 W., 440 ft S. and 35 ft E. of T-rd. S.; from State Hwy. 141, 19 ft N. of drive to field, 27 ft N. and 1 ft W. of a fence corner, in concrete post; standard tablet stamped "TT 2 LB 1956 922"	921.715
15.8 Reference mark, 460 ft NNW. of tablet; 55 ft N. and 20 ft W. of center of rd. forks; on top of and near center of concrete guard rail; 3 ft higher than center of rd.; chiseled square	913.63

LINE 6

SOUTH ALONG EAST BORDER (L.H. Borgerding, 1956; CV 718)	<u>WAUKEE QUAD. - 101</u>
0.0 USC&GS "F 4 1930" (described in Line 5)	884.903
0.3 UE, center of rd. opposite rd. N. at offset crossroad, near E. sixteenth cor. secs. 8 and 17, T. 78 N., R. 25 W.,	888.2
0.8 UE, center of dirt rd. opposite E.-W. fence near E. sixteenth cor. secs. 17; T. 78 N., R. 25 W.	924.9
1.3 UE, chiseled square on S. end of headwall of concrete culvert; on W. side of rd., 112 ft S. and 22 ft W. of center of T-rd. S.; near S. sixteenth cor. secs. 16 and 17; T. 78 N., R. 25 W.,	916.18

DES MOINES QUAD. - 100

1.8 UE, center of dirt rd. opposite fence E.	841.1
2.4 UE, center of U.S. Hwy. 90, at crossroad to Commerce	852.7

WAUKEE QUADRANGLE
101 - IOWA

<u>LINE 6 (Cont'd)</u>	<u>WAUKEE QUAD. - 101</u>	<u>Feet</u>
3.1 Commerce, in SE. edge of; 24 ft S. of Commerce Rd., 75 ft W. of T-rd. S. leading across Raccoon River; 42 ft N. of center of tracks of Rock Island RR. in NE $\frac{1}{4}$ sec. 29, T. 78 N., R. 25 W., 2 ft W. of telephone pole, in concrete post; USC&GS disk "Q 155 1950"		838.906
3.2 Center of bridge over Raccoon River;		829.9
3.9 UE, center of crossroad; near quarter cor. secs. 29 and 32; T. 78 N., R. 25 W.		836.6
4.4 UE, center of T-rd. N., near center sec. 32, T. 78 N., R. 25 W.,		923.1
4.9 Cumming, 2.5 mi N. and 0.5 mi W. of; about 1.5 mi S. and 0.5 mi W. of Commerce, near quarter cor. secs. 31 and 32; T. 78 N., R. 25 W., 275 ft S. and 21 ft E. of center of crossroads; 5 ft N. of center of private drive W.; 10 ft S. of power pole; 1 ft W. of right-of-way fence; in concrete post; standard tablet stamped "TT 7 LB 1956"		928.063
5.0 Reference mark, center of S. horse shoe imbedded in concrete wall covering; 9 ft N. of NW corner of house and 26 ft E. of drive; painted "UE"		932.64
5.4 UE, center of rd. opposite private drive E.		954.5
5.9 UE, center of crossroad, near quarter cor. secs. 5 and 6, T. 77 N., R. 25 W.		953.5
6.4 UE, center of rd. opposite N.-S. fence, near center of sec. 5, T. 77 N., R. 25 W.,		968.6
6.9 Cummings, 1.5 mi N. and 1.0 mi E. from; near quarter cor. between secs. 4 and 5; T. 77 N., R. 25 W., 330 ft S. along T-rd. S.; 132 ft S., 21 ft W. and level with center of rd. at farm entrance W.; 1 ft E. of fence line, in concrete post; standard tablet stamped "5 ADP 1950 971"		970.672

LINE 7

SOUTH NEAR CENTER OF SOUTHEAST PORTION (W.K. Mc Gurley, 1964; CV 1736)

	<u>WAUKEE QUAD. - 101</u>	
1 2 0.0 Waukee, 2.0 mi SE. along the M. & St. L. RR. from; at rd. crossing, in the NW corner of large grove of trees, 74 ft SW. of a powerline pole, 34 ft NE. of the center of track, and 22 ft S. of S. fence line of the rd. fenced 54 ft wide; a USC&GS standard disk stamped "D 4 1930" set in top of concrete post		1045.333
0.8 UE D 4 A, 0.7 mi W. and 0.1 mi S. of tablet; 860 ft S. of crossroads; and 2.9 ft lower than; on top of and in center of E. concrete headwall of culvert; 0.3 ft higher than center of rd. at culvert; a chiseled square; painted "UE 1018.0"		1017.99
3 1.5 Reference mark, 200 ft NW. of tablet; 35 ft N., 49 ft W. of T-rd. W.; in E. root of 20-in. elm tree; a copper nail and washer; painted "RM"		1036.91
1.5 Waukee, 1.6 mi S., 1.0 mi E. of; T. 78 N., R. 26 W., 0.86 mi S. of N. cor. of sec. 4 and 5; 152 ft S., 39 ft E. of and 1.0 ft lower than T-rd. W.; 1.0 ft W. of a fence line; in top of concrete post; standard tablet stamped "1 WMC 1964 1035" painted "EM 1035.1"		1035.069
4 2.3 UE 1 WMC A, 0.72 mi S. of tablet; T. 78 N., R. 26 W., near cor. secs. 4, 5, 8 and 9; center of rd. at T-rd. N.; a copper nail and washer; painted "UE centerline 1014.4"		1014.07
6 3.1 UE 1 WMC B, 0.72 mi S., thence 0.86 mi W. of tablet; T. 78 N., R. 26 W., near W. sixteenth cor. between secs. 5 and 8, 238 ft N., 52 ft W. of and 6.1 ft lower than crossroads; on N. end of culvert; at private drive W.; a painted square; painted "UE 1001.8"		1001.77

LINE 7 (Cont'd)

WAUKEE QUAD. - 101

Feet

- 1 8 3.6 UE 1 WMC C, 0.7 mi S. thence 0.86 mi W., thence 0.44 mi S. of tablet; 0.4 mi S. of W. sixteenth cor. between secs. 5 and 8, T. 78 N., R. 26 W., 335 ft N., 30 ft W. of private drive W.; at culvert over sugar creek on top of S. piling and 5.3 ft lower than center of rd. at culvert; a copper nail and washer painted "UE 927.8" 927.72
- 9 4.0 Referencemark, 195 ft NE. of tablet; 60 ft E. of center of rd. in power pole; a RR. spike; painted "RM" 986.97
- 4.0 Waukee, 3.4 mi S. of; T. 78 N., R. 26 W., near NE. cor. of SW. sixteenth cor. sec. 8, 30 ft N., 53 ft W. of and 3.6 ft higher than field entrance W.; 11 ft N. and 1.0 ft E. of a fence corner; in top of concrete post; a standard tablet stamped "2 WMC 1964 995" painted "EM 995.2" 995.204
- 10 5.0 UE 2 WMC A, 1.0 mi S. of tablet; T. 78 N., R. 26 W., near NE. cor. of SW. sixteenth cor. sec. 17, 26 ft S., 75 ft E. of and 3.6 ft lower than T-rd. E.; on S. end of 18-in. corrugated culvert; a painted square; painted "UE 892.5" 892.46
- 11 5.4 UE 2 WMC B, 1.4 mi S. of tablet; T. 78 N., R. 26 W., near cor. secs. 17, 18, 19 and 20; 219 ft N. of T-rd. N.; thence E. at curve NE.; 35 ft SE. of and 3.7 ft lower than old rd. E.; on top of 12-in. corrugated culvert; a painted square; painted "UE 952.2" 952.18
- 13 6.7 UE 2 WMC C, Booneville; about 0.6 mi N. of; T. 78 N., R. 26 W., near cor. secs. 19, 20, 29 and 30; 10 ft N., 57 ft E. of and 2.2 ft lower than drive E. (main entrance to Booneville Cemetery) on top of N. end of 14-in. corrugated culvert; a painted square; painted "UE 970.2" 970.2
- 14 7.1 USC&GS and State Survey B.M. "25-16", S. side of bank of Booneville, between sidewalk and street, 21 ft N., 49 ft E. of and 1.9 ft lower than cross-streets; USGS elev. 856.223
- 15 7.1 USC&GS and State Survey B.M. "25-463" 13 ft S. 245 ft W. of and 0.9 ft lower than cross-streets near bank at Booneville US&GS elev. 853.532

LINE 8

NORTH FROM NEAR CENTER THENCE WEST ALONG NORTH BORDER (W.K. Mc Curley, 1964; CV 1736)

WAUKEE QUAD. - 101

- 1 17 0.0 USC&GS "D 4 1930" (described in Line 7) 1045.333
- 1.0 UE D 4 B, 1.04 mi N. of tablet; T. 79 N., R. 26 W., near cor. secs. 26, 27, 34 and 35, 20 ft N., 193 ft W. of and 0.6 ft higher than crossroads; on top of and in center of concrete headwall; a chiseled square; painted "UE 1033.8" 1033.78
- 18 2.0 UE D 4 C, 1.0 mi N. thence 1.0 mi W. of tablet; T. 79 N., R. 26 W., near cor. secs. 27, 28, 33 and 34; in center of crossroads; a copper nail and washer; painted "UE centerline 1024.1" 1041.10
- 19 2.8 Waukee, 0.9 mi N., 0.7 mi E. of; T. 79 N., R. 26 W., near N. sixteenth cor. between secs. 27 and 28, 33 ft S., 34 ft W. of and 3.4 ft higher than private drive W.; 17 ft N. of 22-in. elm tree; and 0.5 ft E. of fence line; in top of concrete post; a standard tablet stamped "3 WMC 1964 996" painted "EM 996.3" 996.296
- 20 2.8 Reference mark, 21 ft S. of tablet; in SE. root of 22-in. elm tree; a copper nail and washer 996.72
- 21 4.0 UE 3 WMC A, 1.2 mi N. of tablet; T. 79 N., R. 26 W., cor. secs. 15, 16, 21 and 22; 22 ft N., 28 ft W. of and 1.9 ft lower than center of crossroads; on top of 12-in. corrugated culvert; a painted square; painted "UE 1023.4" 1023.42
- 23 4.7 UE 3 WMC B, 1.9 mi N. of tablet; T. 79 N., R. 26 W., near N. sixteenth cor. between secs. 15 and 16; at wooden bridge over Walnut Creek; on top of and in center of E. guard rail and 0.7 ft higher than center of bridge; copper nail and washer 966.55

LINE 8 (Cont'd)		WAUKEE QUAD. - 101	Feet
1 25 6.0	Waukee, 4.0 mi N., 0.7 mi E. of; Dallas Center, 0.5 mi S. and 4.5 mi E. of; T. 79 N., R. 26 W., near cor. secs. 3, 4, 9 and 10; 20 ft S., 40 ft W. of and 0.2 ft higher than crossroads; in center of concrete headwall; a standard tablet "4 WMC 1964 984" painted "EM 984.3"		984.225
26 6.0	Reference mark, 395 ft N. of tablet; on top of and in center of W. concrete headwall a chiseled square; painted "RM"		981.23
7.0	UE 4 WMC A, 0.9 mi N. of tablet; T. 79 and 80 N., R. 26 W., S. of and 6.8 ft lower than crossroads; at cor. secs. 3, 4, 33 and 34; on top of and in center of E. concrete headwall; a chiseled square; painted "UE 958.1"		958.02
27 8.1	UE 4 WMC B, 2.1 mi N. of tablet; T. 80 N., R. 26 W., cor. secs. 27, 28, 33 and 34; 31 ft N., 61 ft E. of and 2.8 ft lower than crossroads; in power pole; a lag bolt; painted "UE 1014.3"		1014.26
28 8.6	UE 4 WMC C, 2.6 mi N. of tablet; T. 80 N., R. 26 W., near quarter cor. between secs. 27 and 28, on W. side of rd. on top of concrete headwall; a chiseled square level with center of rd. at culvert; painted "UE 986.6"		986.54
29 9.6	Referencemark, 295 ft S. of tablet; on N. curb of concret 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 fence line; in top of concrete post; 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. 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 Trd. 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; "UE 989.2"		989.21

<u>LINE 8 (Cont'd)</u>		<u>MADRID QUAD. - 126</u>	<u>Feet</u>
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 W. and 27 W., near quarter cor. between secs. 7 and 12; 43 ft E. of and 0.2 ft higher than T-rd. N.; 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 "BM 979.1"		979.137
41 15.7	Reference mark, 235 ft 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
<u>WAUKEE QUAD. - 101</u>			
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; on top of concrete post; standard tablet stamped "8 WMC 1964 1012" painted "BM 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 M. & St. L. RR. from; about 0.6 mi SE. of milepost 285, about 300 ft NW. of 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 9

WEST FROM NORTHEAST CORNER (W. K. Mc Curley, 1964; CV 1736)

		<u>DES MOINES QUAD. - 100</u>	
1 50 0.0	"TT 2 LB 1956 922" (described in Line 5)		921.715
		<u>WAUKEE QUAD. - 101</u>	
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. 9 and 8; 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
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

LINE 9 (Cont'd)

WAUKEE QUAD. - 101

Feet

- 1 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 "EM 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, 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 C" (described in Line 8) 876.41

LINE 10

WEST IN SOUTHEAST PORTION (W.K. Mc Gurley, 1964; CV 1736)

WAUKEE QUAD. - 101

- 1 64 0.0 Grimes, 4.0 mi S. and 1.0 mi E. of; at N. edge of State Honor Farm property, near center of sec. 28, T. 79 N., R. 25 W., 33 ft E. of center of State Farm Rd., 430 ft N. of a wooden bridge; 220 ft S. of drive W., 32 ft S. and 1 ft W. of fence corner; in concrete post; USC&GS and State Survey disk stamped "77 NO 1599" painted "EM 917.4" elev. by U.S.G.S. 917.376
- 0.5 UE, 0.5 mi S. of tablet; (along State Farm rd.) T. 80 N., R. 25 W., near NW. cor. of sec. 33, in center of N. lane of Hickman Rd. at State Farm Rd. N.; a painted square; painted "UE centerline 889.6" 889.58
- 65 1.4 UE, 0.52 mi S. thence 0.9 mi W. of tablet; T. 79 N., R. 25 W., near W. sixteenth cor. between secs. 29 and 32; 70 ft NE. along W. leg of Y-junction and 13 ft SW. normal to W. leg of Y-junction and 4.5 ft higher than W. leg of junction of State Hwy. 90; on top of 20-in. corrugated culvert; a painted square; painted "UE 919.5" 919.58

<u>LINE 10 (Cont'd)</u>	<u>WAUKEE QUAD. - 101</u>	<u>Feet</u>
1 66 1.7 UE, 0.5 mi S. thence 1.2 mi W. of tablet; T. 79 N., R. 25 W., 300 ft W. of cor. secs. 29, 30, 31 and 32; at SE. end of bridge; on N. end of wingwall and level with center of bridge; a chiseled square; painted "UE 881.1"		881.17 ✓
68 2.7 UE, 0.5 mi S. thence 2.2 mi W. (along State Hwy. 90) of tablet; T. 79 N., R. 25 and 26 W., near cor. secs. 25, 30, 31 and 36; 28 ft N., 56 ft E. of and 2.8 ft lower than T-rd. S. at offset crossroads; on top of concrete headwall of culvert under RR. tracks; a chiseled square; painted "UE 934.9"		935.00 ✓
69 3.7 Wauke, 0.3 mi N. 2.7 mi E. of; T. 79 N., R. 26 W., near cor. secs. 25, 26, 35 and 36, 106 ft N., 34 ft E. of and 2.1 ft higher than crossroads; 1.5 ft N. of power pole; in top of concrete post; standard tablet stamped "10 WMC 1964 1031" painted "EM 1031.3"		1031.382 ✓
70 3.7 Reference mark, 160 ft SSW. of tablet; 39 ft N., 113 ft W. of crossroads; in power pole; a lag bolt; painted "RM"		1032.11
4.8 "UE D 4 B" (described in Line 7)		1033.78

LINE 11

SOUTH AT NORTHWEST CORNER (W.K. Mc Gurley, 1964; CV 1736)	<u>MADRID QUAD. - 126</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 line; ground elev. painted "UE 1003.6"		1003.7

WAUKEE QUAD. - 101

35 21.6 "8 WMC 1964" (described in Line 8)	1012.289
--	----------

LINE 12

SHORT LINE IN SOUTHWEST QUARTER (W.K. Mc Gurley, 1964; CV 1736)

WAUKEE QUAD. - 101

5 46 0.0 Cambridge at; on State Hwy. 211; at the old State Bank Bldg., in the E. brick wall, 1.4 ft N. of the SE. corner, 29 ft W. of the center of hwy., and 2.9 ft above the ground; a standard tablet stamped "872" set vertically (USC&GS elev.)	870.579
0.2 Reference mark 11; a chiseled square on downstream end of right wingwall on Co. Hwy. "N" old bridge;	865.36

14
WAUKEE QUADRANGLE
101 - IOWA

LINE 13

Feet

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

WAUKEE QUAD. - 101

NOTE: Line run by Fourth Order Methods. No bench marks established. Not shown on diagram.

2 2 0.0	Adel in the town of; 37 ft N. of center of E.-W. street; 29 ft W. of N.-S. street (Hwy. 169) 2 ft W. of curb line, in public sidewalk at SE. corner of courthouse yard in concrete post; 0.5 in above the surrounding sidewalk; bronze tablet stamped US&GS and State Survey 76	USGS elev.	890.522
0.5	Adel, 0.25 mi S. of courthouse at; thence 0.25 mi E. along State Hwy. 90; in center of bridge over North Raccoon River		888.6
0.8	Center of bridge		886.4
3 3.7	Adel, 0.25 mi S., thence 1.5 mi E. of; (along State Hwy. 90) in center of State Hwy. 90 at N.-S. rds.; a painted square		952.3
4 2.2	Adel, 0.25 mi S. thence 2.0 mi E. of; along State Hwy. 90; in center of hwy. at T-rd. N.; painted square		1007.4
5 2.8	Adel, 0.25 mi S. thence 2.5 mi E. of; along State Hwy. 90; in center of hwy. at T-rd. S.; a painted square		1032.2
6 3.2	Ortonville; at T-rd. N.; to Dallas Center; (Co. Hwy. "M" and State 90) painted square		1037.9
7 4.2	Wauke, 2.5 mi W. of along State Hwy. 90; in center of Hwy. at T-rd. S.; painted square		1027.3
8 4.7	Wauke, 2.0 mi W. of along State Hwy. 90; in center of Hwy. at T-rd. N.; a painted square		1037.3
9 5.8	Wauke, 1.0 mi W. of along State Hwy. 90; in center of hwy. at crossroads; a painted square		1038.1
10 6.8	Wauke, at NW. edge of town; in center of hwy. 90 and Rd. N.; and Street S.; a painted square		1034.5
11 7.8	"UE D 4 C" (described in Line 7)		1024.10