

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

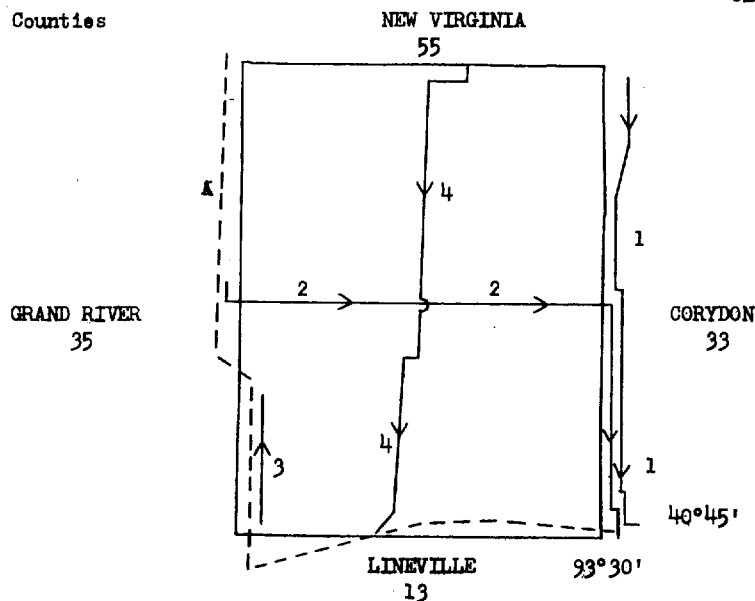
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GARDEN GROVE QUADRANGLE
34 - IOWA
N4045-W9330/15
DIAGRAM NK 15-11
CENTERVILLE IOWA, MD.

Clark Decatur, and Wayne Counties

Edition of 1/8/64

PR: MLG:vdv



USC&GS LEVELING
A. No. 400934

LINE 1

Feet

SOUTH ALONG EAST BORDER (W.C. Ellledge, 1933, Book B 5064)

CORYDON QUAD. - 33

T. 72 N., R. 23 W., in NW $\frac{1}{4}$ sec. 36; 30 ft N., 170 ft E. from T-rd. E.; 15 ft N. and 6 ft W. of corner fence post; in concrete post; standard tablet stamped "33 E 1933" 950"	949.601
Reference mark, 270 ft NW. of post; on E. headwall of concrete culvert; chiseled square	940.24
T. 72 N., R. 23 W., in Sec. 35; Lucas, 3.63 mi S. of; 400 ft N. of intersection of rd. fork; on E. headwall of concrete culvert; bronze disk stamped "I H C B.M."	1051.58
T. 71 N., R. 23 W., quarter cor. between secs. 2 and 11; 25 ft S. thence 60 ft W. of old crossroads; 35 ft S., 128 ft E. of center of crossroads formed by State Hwy. 137 and Co. hwy. "M"; 2 ft N. thence 9 ft W. of NE. cor. of Goshen Cemetery; iron post stamped "P T S 3 1914 Iowa"	1037.883
Reference mark, 100 ft W. of post at NW. cor. of cemetery; top of iron rail in ground	1029.03
T. 71 N., R. 23 W., near cor. secs. 2, 3, 10 and 11; 225 ft E. of Trd. N.; on S. headwall of concrete culvert; chiseled square	1042.66
T. 71 N., R. 23 W., cor. secs. 9, 10, 15 and 16; 95 ft S., 20 ft W. of T-rd. S.; in root on SE. tree of group of small elms; copper nail and washer	1036.15
T. 71 N., R. 23 W., cor. secs. 15, 16, 21 and 22; 27 ft N. and 45 ft E. of center of crossroads; second tree E., on W. root of 18-in. elm; copper nail and washer	1075.16
T. 71 N., R. 23 W., cor. secs. 21, 22, 27 and 28; Derby, 2.0 mi W. of; 25 ft N., then 48 ft E. of center of crossroads; 5 ft S., 30 ft E. of 2 ft maple tree at fence corner; in concrete post; standard tablet stamped "TT 18 E 1933" 1094"	1094.311
Reference mark, 2 ft N., 10 ft E. of post; in S. root of 24-in. maple tree; copper nail and washer	1094.77

GARDEN GROVE QUADRANGLE
34 - IOWA

<u>LINE 1 (Cont'd)</u>	<u>CORYDON QUAD. - 33</u>	<u>Feet</u>
T. 71 N., R. 23 W., cor. secs. 28, 27, 33 and 34; 51 ft S. and 15 ft W. of center of crossroads; on S. end of W. headwall on concrete culvert; chiseled square		1074.07
Tps. 70 and 71 N., R. 23 W., cor. secs. 2, 3, 33 and 34; (E.-W. rd. is line between Wayne and Lucas Counties) 35 ft S. and 200 ft E. of center of crossroads; on W. tree of line on W. root of 24-in. maple; copper nail and washer		1102.46
T. 70 N., R. 23 W., cor. secs. 3, 4, 9 and 10; Humeston, 1.75 mi N. of; 6.2 ft N. thence 53 ft E. of center of crossroads (N. and S. rd. is State Hwy. 137) 33 ft N. and 2 ft W. of corner fence post; SW. corner of Humeston Cemetery; in concrete post; standard tablet stamped "TT 17 E 1933"		1086.681
Reference mark, 50 ft SE. of post and 30 ft E. of SW. cor. of cemetery; top of steel rod in concrete post		1086.42
Humeston, N. edge of; T. 70 N., R. 23 W., cor. secs. 9, 10, 15 and 16; center of rd. in line with fences E. and W. on E. side of rd.; in yard of last house at N. edge of town; in W. root of 20-in. maple; copper nail and washer		1103.23
Humeston City, of; in NE. cor. of schoolyard at E. edge of sidewalk; 0.5 ft S. of street curb; 12 ft S. and 24 ft W. of center of cross street; chiseled square		1105.71
T. 70 N., R. 23 W., cor. secs. 27, 28, 33 and 34; Humeston, 2.0 mi S. of; 55 ft N. and 90 ft W. of center of crossroads; 20 ft N. and 10 ft W. of corner post; in E. root of 24-in. maple tree; copper nail and washer		1109.86
Tps. 69 and 70 N., R. 23 W., cor. secs. 3, 4, 33 and 34; 80 ft S. and 20 ft W. of center of crossroads; on W. headwall of concrete culvert; bronze tablet stamped "I H C B.M."		1076.968
T. 69 N., R. 23 W., cor. secs. 3, 4, 9 and 10; Humeston, 4.0 mi S. of; 60 ft S. and 45 ft E. of T-rd. E.; 1.5 ft W. of fence; in concrete post; standard tablet stamped "TT 20 E 1933" (not found 8/63 R.L.F.)		1088.980
Reference mark, 200 ft N. of post, on E. headwall of concrete culvert; bronze tablet stamped "I H C B.M."		1087.593
T. 69 N., R. 23 W., cor. secs. 9, 10, 15 and 16; 34 ft S. and 15 ft W. of center of crossroads; on SW. headwall of concrete culvert (Wye culvert) bronze tablet stamped "I H C B.M."		1103.162
T. 69 N., R. 23 W., cor. secs. 15, 16, 21 and 22; 80 ft N. and 20 ft W. of T-rd. E.; on W. headwall of culvert; bronze tablet stamped "I H C B.M."		1086.354
FAIRALL A STATION: Corydon, 8.5 mi W. and 1.5 mi N. of; 6.0 mi S. and 0.5 mi E. of Humeston; on N. side of NE 1/4 sec. 22, T. 69 N., R. 23 W.; on land owned by Mr. Sam Fairall who lives 328 ft E. of the station. Station is in small pasture to W. of Mr. Fairall's house; 240 ft W. of fence dividing pasture and small orchard; 18 ft S. of rd. fence; 37 ft S. of center of rd.; 656 ft E. of fence at W. side of pasture. Surface mark, standard A sta. disk set in concrete post, 4 in. above surface of ground		1109.417
Reference mark No. 2 is WNW. of station 21 ft N. of center of rd. and in fence row; (not found R.L.F. 8/63)		1105.78
Reference mark No. 1, NE. of station; 18 ft N. of center of rd. and in fence row; (not found R.L.F. 8/63)		1109.33
T. 69 N., R. 23 W., cor. secs. 22, 23, 26 and 27; 15 ft S. thence 300 ft E. of center of crossroads; in W. wall of throat of concrete flume on S. side of rd.; chiseled square		1072.57

LINE 2

Feet

EAST THRU CENTER OF QUAD. THENCE SOUTH ALONG EAST BORDER (R.L. Fuerst, 1963; CV 1594)

GRAND RIVER QUAD. - 35

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|-----|-----|---|----------|
| 1 3 | 0.0 | Leon, 9.0 mi N. of; T. 70 N., R. 25 W., about 0.4 mi S. of cor. secs. 7, 8, 17 and 18; in top center of E. headwall of concrete culvert; 22 ft E. of center of U.S. Hwy. 69; a USCGS standard disk stamped "L 115 1935" | 1150.582 |
| | 0.6 | UE 115 A, T. 70 N., R. 25 W., near cor. secs. 17, 18, 19 and 20; 169 ft N., 15 ft E. and level with crossroads; on E. headwall of concrete culvert; chiseled square near power pole; painted "UE 115A 1147.7" | 1147.92 |

GARDEN GROVE QUAD. - 34

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| 4 | 1.8 | UE 115 B, T. 70 N., R. 25 W., near the W. sixteenth cor. between secs. 16 and 21, 12 ft N. and 9.5 ft W. of center of small wooden bridge on top of bridge curb; head of 5/8 in bolt; chiseled cross; painted "UE 115 B 1089.0" | 1089.19 |
| 5 | 2.6 | Weldon, 3.0 mi S. and 1.0 mi E. of; T. 70 N., R. 25 W., near cor. secs. 15, 16, 21 and 22; 36 ft S., 128 ft W. and ___ ft higher than crossroads; 1.5 ft N. of S. right-of-way fence; in concrete post; standard tablet stamped "23 RLF 1963 1104" | 1104.648 |
| 6 | 2.6 | Reference mark,, 240 ft E. of tablet; 36 ft S. and 114 ft E. of crossroad; 4 ft N. of S. end of 48-in. corrugated steel culvert; on head of rivet; chiseled cross | 1096.79 |
| 7 | 3.4 | UE 23 A, T. 70 N., R. 25 W., near E. sixteenth cor. between secs. 15 and 22; 220 ft E. and 25 ft N. of rd. at drive N.; on N. end of corrugated steel culvert; in painted square chiseled cross near power pole; painted "UE 23 A 1124.4" | 1124.55 |
| 8 | 4.1 | UE 23 B, T. 70 N., R. 25 W., near the quarter cor. between secs. 14 and 23; 41 ft S., 42 ft W. and level with T-rd. S.; in N. side of power pole; painted "UE 23 B"; head of rail spike | 1133.49 |
| 9 | 4.6 | UE 23 C, T. 70 N., R. 25 W., near the cor. secs. 13, 14, 23 and 24; 36 ft N., 21 ft E. and level with T-rd. N.; on top of E. concrete corrugated steel culvert in painted square; chiseled cross; near power pole; painted "UE 23 C 1118.7" | 1118.93 |
| 10 | 5.6 | Reference mark, 150 ft N. of tablet; 27 ft N. and 26 ft E. of T-rd. N.; at offset crossroads; on E. end of 24-in. corrugated steel culvert | 1120.94 |
| 11 | 5.7 | Garden Grove, 2.0 mi N. and 3.0 mi W. of; T. 70 N., Rs. 24 and 25 W., near the cor. secs 13, 18, 19 and 24, 150 ft S., 41 ft W. and 3 ft lower than T-rd. S. at offset crossroads; 1 ft E. of right-of-way fence, in concrete post standard tablet stamped "24 RLF 1122 1963" | 1121.790 |
| 12 | 6.7 | UE 24 A, T. 70 N., R. 24 W., near cor. secs. 17, 18, 19 and 20, 38 ft N., 25 ft W. and 2 ft lower than crossroads; on W. end of 18-in. corrugated steel culvert in painted square; chiseled cross; near power pole painted "UE 24 A 1116.4" | 1116.58 |
| 13 | 7.2 | UE 24 B, T. 70 N., R. 24 W., about 500 ft E. of quarter cor. between secs. 17 and 20, 21 ft N. of rd. on top of N. end of 36-in. corrugated steel culvert on head of rivet in painted square; chiseled cross; near telephone pole; painted "UE 24 B 1058.8" | 1058.97 |
| 14 | 7.9 | UE 24 C, T. 40 N., R. 24 W., near the W. sixteenth cor. between secs. 16 and 21; at the NW. corner of concrete bridge on top of bridge curb; chiseled square; bridge painted "UE 24 C 1018.6" | 1018.82 |
| 15 | 8.5 | Reference mark, 665 ft W. of tablet; on N. end of a 96-in. corrugated steel culvert; on top of 5/8 in bolt; chiseled cross; about 40 ft N. of rd. | 1035.37
1085.97 |
| 16 | 8.7 | Garden Grove, 2.0 mi N. of; T. 70 N., R. 24 W., near the cor. secs. 15, 16, 21 and 22; 34 ft S., 151 ft W. and level with crossroads; 1.5 ft N. of S. right-of-way fence; 6 ft S. of a 5-in. cottonwood tree; in concrete post; standard tablet stamped "25 RLF 1963 1073" | 1072.906 |

GARDEN GROVE QUADRANGLE
34 - IOWA

LINE 2 (Cont'd)

GARDEN GROVE QUAD. - 34

Feet

- 1 18 9.7 UE 25 A, T. 70 N., R. 24 W., near cor. secs. 14, 15, 22 and 23; 23 ft S., 133 ft E. and 2 ft lower than headwall of concrete culvert; chiseled square; near power pole; painted UE 25 A 1063.2" 1063.38
- 19 10.8 UE 25 B, T. 70 N., R. 24 W., about 500 ft E. of cor. secs. 13, 14, 23 and 24; 33 ft E. and 23 ft S. of rd. at drive N.; on top of S. end of 30-in. corrugated steel culvert; on head of rivet in painted square; chiseled cross; near power pole painted "UE 25 B 1102.1" 1102.26
- 20 11.6 Reference mark, about 500 ft W. of tablet, NE. cor. of small concrete bridge on top of bridge abutment; chiseled square 1061.24
- 21 11.7 Humeston, 3.0 mi W. of; T. 70 N., Rs. 23 and 24 W., near cor. secs. 13, 18, 19 and 24; 62 ft S., 94 ft W. and 3.5 ft lower than crossroads; 2 ft N. of S. right-of-way fence; in concrete post; a standard tablet stamped "26 RLF 1963 1077" 1077.183
- 22 12.5 UE 26 A, T. 70 N., R. 23 W., near the E. sixteenth cor. between secs. 18 and 19, at the NE. cor. of small bridge on top of the E. end of N. bridge curb; chiseled square; bridge painted "UE 26 A 1055.8" 1056.00
- 23 13.3 UE 26 B, T. 70 N., R. 23 W., near quarter cor. between secs. 17 and 20; 278 ft E. and 29 ft S. of crossroads on S. end of 24-in. corrugated steel culvert; in painted square; dent; near power pole; painted "UE 26 B 1092.1" 1092.22
- 24 13.8 Humeston, 1.0 mi W. of; T. 70 N., R. 23 W., near the cor. secs. 16, 17, 20 and 21; 143 ft N., 23 ft E. and level with crossroads; 2 ft W. of E. right-of-way fence; in concrete post; standard tablet stamped "27 RLF 1963 1080" 1080.491
- 25 13.8 Reference mark, about 110 ft SE. of tablet; 65 ft E. and 14 ft N. of crossroads; on top of W. end of N. abutment of concrete culvert; chiseled square 1082.10

CORYDON QUAD. - 33

- 26 14.7 UE 27 A, Humeston, City of; T. 70 N., R. 23 W., near cor. secs. 15, 16, 21 and 22; at NE. cor. of schoolyard at E. edge of sidewalk; 0.5 ft S. of street curb; 12 ft S. and 24 ft W. of center of cross street; chiseled square 1105.71
- 27 15.7 Humeston, 1.0 mi S. of; T. 70 N., R. 23 W., cor. secs. 21, 22, 27 and 28; 83 ft E. of center of crossroads; 1.5 ft S., 53 ft E. of cor. fence post; in concrete post; standard tablet stamped "TT 19 E 1933" stamped "1107" 1107.134
- 29 15.8 Reference mark, about 330 ft S. of tablet; 40 ft E. of center of Hwy. 65; on top of E. end of concrete culvert; chiseled square 1105.70
- Reference mark, 170 ft S. of post; on E. headwall of concrete culvert; bronze tablet stamped "I H C B.M." 1108.441
- 30 16.6 UE 19 A, T. 70 N., R. 23 W., near cor. secs. 27, 28, 33 and 34; 500 ft N. and 25 ft W. of crossroads; on top of the W. headwall of 2 x 2 ft concrete box culvert; in painted square; the top of 0.5 in. square steel rod; near power pole painted "UE 19 A 1107.1" 1107.19
- 31 17.8 UE 19 B, T. 69 and 70 N., R. 23 W., near cor. secs. 4, 5, 33 and 32; 93 ft S. and 30 ft W. of crossroads; on top of W. headwall of concrete box culvert; top of 0.5 in. square steel rod; near power pole; painted "UE 19 B 1076.6" 1076.68
- 32 18.5 UE 19 C, T. 69 N., R. 23 W., near S. sixteenth cor. between secs. 3 and 4, at NE. corner of small concrete bridge on top of NE. wingwall to N. abutment; chiseled square near telephone pole; painted "UE 19 C 1036.6" 1036.69
- 33 18.8 Humeston, T. 69 N., R. 23 W., near cor. secs. 3, 4, 9 and 10, 170 ft N., 82 ft E. and level with T-rd. E.; in NW cor. of lot to electrical transformer substation, 1 ft S. and 12 ft E. of fence corner, in concrete post; standard tablet stamped "28 RLF 1963 1091" 1090.782

<u>LINE 2 (Cont'd)</u>		<u>CORYDON QUAD. - 33</u>	<u>Feet</u>
1 34	18.8	Reference mark, about 70 ft SW. of tablet; on E. headwall of concrete culvert; bronze tablet stamped "I H C B.M." elev. by USGS NOTE: Same point as R.M. to old "TT 20 E 1933" not found	1087.87
35	19.7	UE 28 A, T. 69 N., R. 23 W. near cor. secs. 9, 10, 15 and 16; 550 ft N. of crossroads; 30 ft W. of Hwy. 65 on top of W. headwall of concrete box culvert; bronze tablet about 1½ in. in diameter stamped "I H C B.M." elev. by USGS	1095.704
38	21.3	Reference mark No. 4; about 665 ft W. of station 2 ft W. and 1.5 ft S. of fence corner in NE. cor. of yard to two story farm house; in concrete post; a standard disk stamped "FAIRALL R.M. No. 4"	1105.002
39	21.4	FAIRALL A Sta. (described in Line 1)	1109.417

ALLERTON QUAD. - 12

41	UE 4 B,	Clio, 8.0 mi N. and 2.5 mi W. of; Humeston, 7.0 mi S. of; in T. 69 N., R. 23 W., near quarter cor. between secs. 27 and 28; approx. 2000 ft S. of Nick's Cafe on U.S. Hwy. 65, on the S. end of E. headwall of concrete box culvert under the hwy. and approx. 5 ft lower than Hwy. a chiseled square; near power pole painted "UE 4 B"	1097.33
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LINE 3

NORTH ALONG SOUTH PORTION OF WEST BORDER (R.L. Fuerst, 1963; CV 1594)

GARDEN GROVE QUAD. - 34

1 45	0.0	/ Leon, about 1.2 mi N. along U.S. Hwy. 69 from intersection of State Hwy. 2 at; T. 69 N., R. 25 W., near the S. sixteenth cor. sec. 20 and 21, in top of E. concrete headwall of Hwy. culvert; _____ ft E. of center of Hwy. and flush with ground; a standard USC&GS disk stamped "F 115 1935"	1136.740
45	0.7	UE 115 A, T. 69 N., R. 25 W., near cor. secs. 16, 17, 20 and 21; 360 ft S. and 16 ft W. of T-rd. E.; on top of center of W. concrete headwall to concrete culvert; chiseled square; near telephone pole painted "UE 115 A 1133.2"	1133.38
46	1.8	Leon, 2.25 mi N. of; T. 69 N., R. 25 W., near cor. secs. 8, 9, 16 and 17; 45 ft N., 42 ft E. of T-rd. E.; in SW. cor. of yard of two story farm house, in concrete post; USC&GS standard disk and State Survey tablet stamped "52=27" elev. by USGS	1143.594
47	3.0	Leon, 3.5 mi N. of; T. 69 N., R. 25 W., near S. sixteenth cor. between secs. 4 and 5; 176 ft S., 33 ft E. and 1 ft higher than T-rd. W.; 30 ft N. of power pole painted "USEM" in concrete post standard tablet stamped "1 RLF 1963 1129"	1129.464
48	3.1	Reference mark, about 320 ft N. of tablet in top center of E. concrete headwall to concrete box culvert; 21 ft E. of center of Hwy. 69; head of bolt	1127.32
50	4.0	UE 1 A, T. 69 and 70 N., R. 25 W., about 1000 ft N. of cor. secs. 4, 5, 32 and 33; 30 ft E. of Hwy. 69; on top of N. end of E. headwall of concrete box culvert; chiseled square; near power pole painted "UE 1 A 1078.5"	1078.73
51	4.8	UE 1 B, T. 70 N., R. 25 W., near cor. secs. 28, 29, 32 and 33; near the center of long curve in Hwy. 69; 56 ft NE. of center of Hwy. on top NE. headwall to concrete box culvert, in painted square; top of steel rod; near power pole; painted "UE 1 B 1137.4"	1137.63
52	5.4	Leon, about 6.5 mi N. along U.S. Hwy. 69 from the intersection of State Hwy. 2 at; T. 70 N., R. 25 W., in the NW¼, SE¼ sec. 29; at the N. end of long curve in Hwy. 69; in top center of E. headwall to concrete box culvert and flush with the ground; a USC&GS standard disk stamped "J 115 1935"	1151.671

GARDEN GROVE QUADRANGLE

34 - IOWA

7-11

LINE 4Feet

SOUTH THRU CENTER OF QUAD. (R.L. Fuerst, 1963; CV 1594)

GARDEN GROVE QUAD. - 34

- 1 57 0.0 Woodburn, 1.0 mi E. along Chicago, Burlington and Quincy RR. from station at; T. 72 N., R. 24 W., in SE $\frac{1}{4}$ sec. 26, at bridge 349.42, in top of S. end of E. abutment, 7 ft S. of center of S. track and about 1 ft lower than the track; USC&GS standard disk stamped "R 110 1935" 947.606
- 0.9 UE 110 A, at Woodburn, T. 72 N., R. 24 W., about 500 ft S. of N. sixteenth cor. between secs. 26 and 27, 110 ft W. of RR. crossing on top of N. end of W. abutment to RR. bridge; chiseled square 960.86
- 58 1.4 UE 110 B, at Woodburn, T. 72 N., R. 24 W., about 0.25 mi S. of quarter cor. between secs. 22 and 27, 120 ft S. of RR. crossing, on E. side of N. end of steel road bridge; head of rivet; chiseled cross 965.63
- 60 2.7 UE 110 C, T. 72 N., R. 24 W., near N. sixteenth cor. between secs. 33 and 34; 61 ft N. and 25 ft E. of crossroads; on top of S. end of 18-in. corrugated steel culvert under walkway to farmhouse; painted square; chiseled cross 1095.14
- 62 3.6 Woodburn, 2.5 mi S. and 1.0 mi W. of; T. 71 N., R. 24 W., near N. sixteenth cor. between secs. 3 and 4; on a high hill near a large barn with pump near SW. corner; 90 ft N. and 25 ft W. of NW. cor. of barn, 110 ft N. of power pole with transformer on N. side, 9 ft N. and 39 ft E. of rd. at field entrance E.; in concrete post; standard tablet stamped "29 RLF 1963 1055" 1055.152
- 63 4.2 UE 29 A, T. 71 N., R. 24 W., 1000 ft S. of quarter cor. between secs. 3 and 4, at the NE. end of W. side of concrete bridge, on top of NW. wingwall; chiseled square; bridge painted "UE 29 A 943.9" 943.89
- 65 4.9 UE 29 B, T. 71 N., R. 24 W., near quarter cor. between secs. 9 and 10; at the S. end of E. side of concrete bridge, on top of bridge curb about 4-in. S. of expansion joint; on head of rivet; chiseled cross; bridge painted "UE 29 B 953.4" 953.44
- 67 5.7 UE 29 C, T. 71 N., R. 24 W., near N. sixteenth cor. between secs. 15 and 16, 26 ft N., 38 ft E. and 6 ft lower than rd. at drive W.; in N. side of power pole; head of rail spike; painted "UE 29 C 1084.9" 1084.95
- 68 6.9 Osceola, 6.0 mi S. and 8.0 mi E. of; Woodburn, 5.0 mi S. and 1.0 mi W. of; T. 71 N., R. 24 W., about 0.1 mi S. of cor. secs. 15, 16, 21 and 22; 112 ft N. of gravel rd. at field entrance W.; 65 ft NW. of center of gravel rd. at the center of 90 degree curve in rd.; 51 ft S. and 41 ft E. of fence corner, 5 ft SW. of white witness post; in concrete post; projecting 3-in.; standard USC&GS disk stamped "SMYRNA 1958" 1108.674
- 69 6.9 Reference mark No. 1; 44 ft N. of center of gravel rd., 17 ft S. of fence; 17 ft N. of N. end of corrugated culvert; 82 ft NE. of station; in concrete post projecting 4-in.; standard USC&GS disk stamped "SMYRNA NO 1 1958" 1107.754
- 70 6.9 Reference mark No. 2; 91 ft S. of station, 33 ft W. of gravel rd., 22 ft N. of field entrance W.; 18 ft NE. of N. end of corrugated culvert; in concrete post projecting 2-in.; a standard USC&GS disk stamped "SMYRNA NO 2 1958" 1111.123
- 72 7.7 UE Smyrna A, T. 71 N., R. 24 W., about 300 ft N. of cor. secs. 21, 22, 27 and 28, 24 ft N. and 10 ft W. of center of small steel bridge with wooden floor; at the NW. cor. of bridge on top of head of rivet; chiseled cross; bridge painted "UE S A 1042.4" 1042.40
- 73 8.3 UE Smyrna B, T. 71 N., R. 24 W., near quarter cor. between secs. 27 and 28, 166 ft N., 12 ft W. and 5 ft lower than crossroads; on top center of W. headwall to concrete box culvert; chiseled square; near power pole painted "UE S B 1070.9" 1070.98
- 74 9.0 Garden Grove, 6.0 mi N. of; T. 71 N., R. 24 W., 660 ft S. of cor. secs. 27, 28, 33 and 34; in sec. 34, 143 ft N. and 39 ft E. of rd. at drive E.; 17 ft N. and 1 ft W. of fence corner; in concrete post; standard tablet stamped "30 RLF 1963 1108" 1108.28

<u>LINE 4 (Cont'd)</u>	<u>GARDEN GROVE QUAD. - 34</u>	<u>Feet</u>
1 75 9.0	Reference mark, 155 ft S. of tablet; on S. end of corrugated steel culvert under drive E.	1103.79
76 9.9	UE 30 A, T. 70 and 71 N., R. 24 W., 310 ft S. of cor. secs. 3, 4, 33 and 34; 19 ft E. of rd. on top of E. end of 36-in. corrugated steel culvert; (in painted square) chiseled cross; near power pole painted "UE 30 A 1104.0"	1104.04
77 10.7	UE 30 B, T. 70 N., R. 24 W., near S. sixteenth cor. between secs. 3 and 4; 30 ft S. and 93 ft E. of rd. at drive E.; on top of S. end of 30-in. corrugated steel culvert under drive E.; in painted square; chiseled cross; near power pole; painted "UE 30 B 1097.0"	1097.08
78 11.2	Leroy, 1.0 mi W. and 0.25 mi N. of; Weldon, 1.5 mi S. and 6.0 mi E. of; 38 ft E. of N.-S. rd.; 590 ft S. of N.-S. rd. at field entrance W. about 730 ft N. of crossroads at quarter cor. secs. 9 and 10, T. 70 N., R. 24 W., 2 ft W. of E. right-of-way fence; 2 ft N. of a white witness post; in a concrete post projecting 3-in. a standard tablet stamped "ET 6 MES 1963"	1119.208
79 11.2	Reference mark 1, 148 ft S. of tablet; 37 ft E. of N.-S. rd.; in a concrete post projecting 3-in.; a standard tablet stamped "R.M. 1 ET 6 MES 1963"	1119.202
80 11.8	UE 6 A, T. 70 N., R. 24 W., near cor. secs. 9, 10, 15 and 16; 27 ft E. of rd. at drain crossing; on top of E. end of 12 ft corrugated steel culvert; in painted square; chiseled cross; near fence post; painted "UE 6 A 1053.9"	1053.97
2 3 12.9	"25 RLF 1963" (described in Line 2)	1072.906
4 13.5	UE 25 AA, T. 70 N., R. 24 W., about 700 ft S. of quarter cor. between secs. 21 and 22; 13 ft N. and 20 ft E. of rd. at drive E.; on N. end of 18-in. corrugated steel culvert under drive E.; in painted square; chiseled cross; near power pole painted "UE 25 AA 1105.6"	1105.63
5 14.1	UE 25 BB, T. 70 N., R. 24 W., near N. sixteenth cor. between secs. 27 and 28, 15 ft N. and 13 ft E. of center of small wooden bridge, on top of the E. end of the N. piling cap, on head of rivet; chiseled cross wooden abutment; painted "UE 25 BB 1013.7"	1013.74
7 15.0	UE, Water tower at Garden Grove, at the SW. leg of tower, on top of and near the N. corner of concrete leg support; chiseled square	1106.73
8 15.3	Reference mark, about 270 ft NE. from tablet; 160 ft E. of N.-S. rd. and 30 ft S. of E.-W. rd.; on top of S. end of 30-in. corrugated steel culvert; chiseled cross	1086.66
9 15.4	Garden Grove, 0.25 mi W. of; T. 70 N., R. 24 W., near E. sixteenth cor. between secs. 28 and 33; at triangle rd. intersection, 50 ft W. of N.-S. rd. and 186 ft S. of E.-W. rd. 23 ft N. and 50 ft W. of N.-S. rd. at drive W.; near the SE. corner of yard to a two story yellow farmhouse in concrete post set flush with ground; standard tablet stamped "31 RLF 1963 1102"	1101.694
10 16.4	UE 31 A, T. 69 and 70 N., R. 24 W., near the quarter cor. between secs. 4 and 33; 57 ft N. and 44 ft E. of RR. crossing, 44 ft E. and 37 ft S. of T-rd. S. at S. end of long curve in County Rd. "G" in N. side of power pole; painted "UE 31 A 1028.6" head of rail spike	1028.70
12 17.3	UE 31 B, T. 69 N., R. 24 W., quarter mile N. of quarter cor. between secs. 4 and 9; 11 ft S. and 9 ft W. of center of small wooden bridge on top of W. end of S. piling cap, copper nail and washer; bridge painted "UE 31 B 979.9"	980.00
13 17.8	Garden Grove, 2.25 mi S. and 1.2 mi W. of; T. 69 N., R. 24 W., about 0.25 mi N. of center sec. 9, 54 ft N., 34 ft E. and 1 ft higher than N.-S. rd. at drive E.; 2 ft S. and 3.5 ft W. of windmill, in concrete post; standard tablet stamped "32 RLF 1963 989"	989.116
14 17.8	Reference mark, 91 ft S., 55 ft E. of N.-S. drive at drive E. about 140 ft S. of tablet; in SW. cor. of yard to farm house; in NW. root of 24-in. maple tree; copper nail and washer	993.64

GARDEN GROVE QUADRANGLE
34 - IOWA

LINE 4 (Cont'd)	GARDEN GROVE QUAD. - 34	Feet
2 15 18.1	T. 69 N., R. 24 W., about 450 ft W. of center sec. 9; at SW. cor. of 220 ft concrete bridge, 13 ft S. of center of bridge on top of SW. wingwall; in painted square; chiseled square; bridge painted "UE 32 A 979.6"	979.72
17 18.9	UE 32 B, T. 69 N., R. 24 W., about 425 ft N. of cor. secs. 8, 9, 16 and 17, 23 ft W. of N.-S. rd., 2 ft E. of the W. end of corrugated steel culvert; on head of rivet; in painted square; chiseled cross; near power pole; painted "UE 32 B 1002.0"	1002.08
18 19.3	UE 32 C, T. 69 N., R. 24 W., near the quarter cor. between secs. 16 and 17, 40 ft S. and 9 ft E. of center of steel truss bridge; on top of E. end of S. piling cap, on head of $\frac{1}{2}$ -in. bolt; chiseled cross; bridge painted "UE 32 C 969.1"	969.18
19 19.8	Garden Grove, 3.75 mi S. and 1.0 mi W. of; T. 69 N., R. 24 W., near S. sixteenth cor. between secs. 16 and 17, 74 ft E., 72 ft S. and 1 ft lower than T-rd. E.; 2 ft W. of E. right-of-way fence, in concrete post; standard tablet stamped "33 RLF 1963 1064"	1063.808
21 19.8	Reference mark, 130 ft NNW. of tablet; 22 ft N. and 30 ft W. of T-rd. E.; in E. side of 18-in. hedge post; head of rail spike	1063.00
22 20.3	UE 33 A, T. 69 N., R. 24 W., near N. sixteenth cor. between secs. 20 and 21; 17 ft S., 20 ft E. of rd. at drive E.; on S. end of 18-in. corrugated steel culvert; in painted square chiseled cross; near power pole; painted "UE 33 A"	1046.26
24 21.0	UE 33 B, T. 69 N., R. 24 W., in SW $\frac{1}{4}$ sec. 21; 18 ft N., 150 ft W. of Hwy. 2 at T-rd. N.; on top of center of concrete box culvert; top of steel rod; near power pole; painted "UE 33 B"	1051.63
25 21.5	High Point, 2.3 mi W. along State Hwy. 2 from junction of State Hwy. 204 at; T. 69 N., R. 24 W., near E. sixteenth cor. between secs. 20 and 29, 512 ft W. of W. end of 200 ft bridge; 312 ft W. of a division fence on S. side of Hwy. and 15 ft N. of S. right-of-way fence; a USQ&GS and State Survey disk stamped "B 118 27-61 1935" set in top of concrete post;	963.732