

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

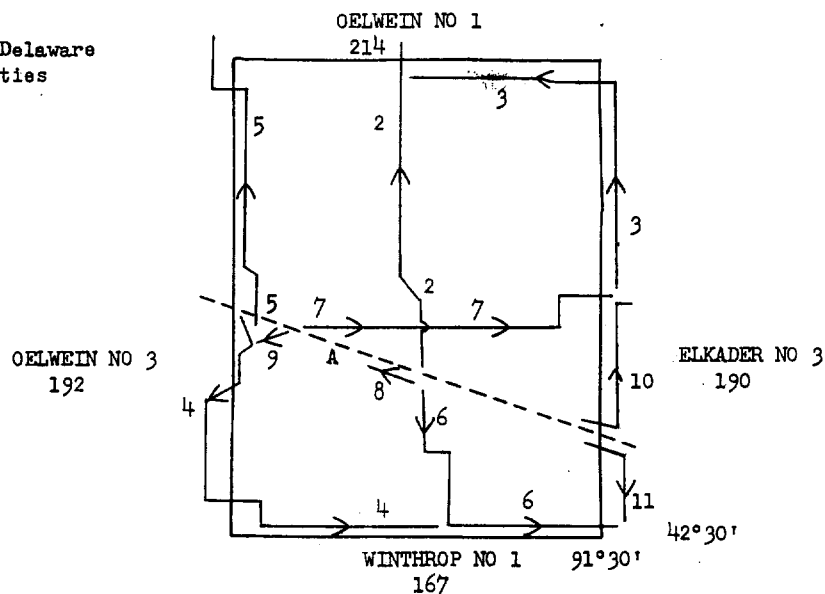
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OELWEIN NO 4 QUADRANGLE
191 - IOWA
N4230-W9130/15
DIAGRAM NK 15-6
DUBUQUE, ILL.
IOWA WISC.

Buchanan, Clayton, Delaware
and Fayette Counties

Edition of 12/21/64

PR: ADP:vdc



USC&GS LEVELING
A. No. 420914

<u>LINE 1</u>		<u>Feet</u>
ISOLATED BENCH MARKS NOT SHOWN ON DIAGRAM		
T. 91 N., R. 6 W., quarter cor. N. side of sec. 21; iron post stamped "1221 DBQ"		1222.344
T. 91 N., R. 7 W., NE ¹ / ₄ sec. 21, in school yard; iron post stamped "114 DBQ"		1114.811
Arlington, NE. corner of sec. 28, T. 92 N., R. 7 W., iron post stamped "1080 DBQ" (not found J.R. Ennis, 8/64)		1081.171
Dundee, at RR. station iron post stamped "997 DBQ"		997.847
<u>LINE 2</u>		
NORTH FROM NEAR CENTER OF QUAD. (W.E. Knouse, 1964; CV 1738) <u>OELWEIN NO. 4 QUAD. - 191</u>		
1 3 0.0	Lamont, 2.0 mi SE. along the Chicago, Great Western RR. station at; 19 poles W. of milepost 228, at 20 ft steel bridge 228.57, in top of S. end of E. concrete abutment, 6 ft S. of center of track; and about 1.5 ft lower than track; a USC&GS standard disk stamped "T 73 1934"	1054.998
0.7	UE T 73 AA, at cor. secs. 13, 18, 19 and 24; T. 90 N., Rs. 6 and 7 W., 23 ft N. and 35 ft W. of T-rd. W.; on N. end of W. one of two concrete pipe culverts; chiseled square	1022.34
4 1.2	UE T 73 BB, quarter cor. secs. 13 and 18; T. 90 N., Rs. 6 and 7 W., center of rd. at fence E.	1063.4
5 1.8	UE 10 A, at SW. cor. sec. 7, T. 90 N., R. 6 W., 56 ft N. and 29 ft W. of crossroads; 4 ft SE. of cor. on S. side of pole, spike nail	1077.18
10 2.3	UE T 73 CC, near quarter cor. secs. 7 and 12; T. 90 N., Rs. 6 and 7 W., 21 ft S. and 29 ft E. of rd. at fence E.; in N. base of 30-in. cottonwood tree; copper nail and washer	1115.23

191 B

LINE 2 (Cont'd)

OELWEIN NO 4 QUAD. - 191

Feet

- 1 30 11.0 UE 6 WEK C, at cor. secs. 1, 2, 35 and 36; T. 91^A and 92 N., R. 7 W., 26 ft N. and 22 ft W. of crossroads; on W. end of a concrete pipe culvert; chiseled square 1132.74
- 31 11.5 UE 6 WEK D, quarter cor. secs. 35 and 36; T. 92 N., R. 7 W., center of rd. at fence W. 1164.8
- 32 12.0 Reference mark, 330 ft S. of tablet; about 250 ft S. and 36 ft W. of crossroads; in E. side of a power line pole number 3 R-35-El; RR. spike 1186.20
- 33 12.1 Arlington, 2.0 mi E. of; 4.0 mi N. and 4.5 mi W. of Strawberry Point; cor. secs. 25, 26, 35 and 36; T. 92 N., R. 7 W., 103 ft N. and 35 ft W. of crossroads; 1 ft E. of fence; 11 ft N. of telephone pole; in concrete post; standard tablet stamped "7 WEK 1964" 1184.281

OELWEIN NO 1 QUAD. - 214

- 34 12.6 UE 7 WEK A, about 0.5 mi N. of tablet; near quarter cor. secs. 25 and 26, T. 92 N., R. 7 W.; 11 ft S. and 31 ft W. of field entrance W.; 84 ft S. of T-fence W.; on S. end of concrete pipe culvert; chiseled square 1178.73
- 35 13.1 UE 7 WEK B, about 1.0 mi N. from tablet; near cor. secs. 23, 24, 25 and 26; T. 92 N., R. 7 W.; 16 ft N. and 24 ft E. of crossroads; on N end of corrugated steel culvert; chiseled cross 1208.84
- 36 13.6 UE 7 WEK C, about 1.5 mi N. from tablet; near cor. secs. 23, and 24; T. 92 N., R. 7 W.; 31 ft N. and 16 ft E. of crossroads; on E. end of corrugated steel culvert; chiseled cross 1218.53
- 37 14.3 UE 7 WEK D, about 2.0 mi N. of tablet; near cor. secs. 13, 14, 23 and 24; T. 92 N., R. 7 W.; 120 ft N. and 16 ft E. of field entrance W.; on E. end of N. one of two corrugated steel culverts; chiseled cross 1154.52
- 38 14.8 UE 7 WEK E, near quarter cor. secs. 13 and 14; T. 92 N., R. 7 W., about 180 ft S. and 17 ft W. of rd. at field entrance E.; about 3 ft lower than rd., on N.W. corner of 5 ft box culvert; chiseled square 1134.34
- 39 15.1 Reference mark, about 80 ft SE. of tablet; 40 ft S. and 17 ft W. of T-rd. W.; on W. end of concrete pipe culvert; chiseled square 1151.27
- 40 15.1 Arlington, 2.5 mi N and 2.5 mi E. from; near cor. secs. 11, 12, 13 and 14; T. 92 N., R. 7 W., 33 ft N. and 42 ft W. of T-rd. W.; 1 ft S. and 2 ft W. of fence corner post; standard tablet stamped "8 WEK 1964" 1154.232

LINE 3

NORTH THENCE WEST FROM CENTER OF EAST BORDER (W.E. Knouse, 1964; CV 1738)

ELKADER NO 3 QUAD. - 190

- 5 4 0.0 Strawberry Point, 3.75 mi S. and 2.5 mi E. of; at cor. secs. 1, 6, 7 and 12; T. 90 N., Rs. 5 and 6 W., 43 ft S. and 35 ft W. of T-rd. S.; 4 ft S. and 1 ft E. of fence corner; in concrete post; flush with ground; standard tablet stamped "2 LL 1964" 1143.424
- 1.0 UE 2 LL AA, near cor. secs. 1, 6, 31 and 36; Tps. 90 and 91 N., Rs. 5 and 6 W., 56 ft E. and 29 ft N. of T-rd. N.; in W. side of power line pole; RR. spike 1138.74
- 6 1.6 UE 2 LL BB, N. of quarter cor. secs. 31 and 36; T. 91 N., Rs. 4 and 5 W., 162 ft N. and 20 ft W. of rd. at drive W.; on W. end of corrugated steel culvert; chiseled cross 1151.40
- 7 2.1 UE 2 LL CC, near cor. secs. 25, 30, 31 and 36; T. 91 N., Rs. 5 and 6 W., about 300 ft N. of crossroads; 10 ft N. and 29 ft W. of rd. at field entrance W.; on N. end of corrugated steel culvert; chiseled cross 1166.67

LINE 3 (Cont'd)

ELKADER NO 3 QUAD. - 190

Feet

- 5 26 9.0 Strawberry Point, 3.5 mi N. and 2.0 mi E. from; 6.0 mi W. from Little Port, in SE $\frac{1}{4}$ sec. 25, T. 92 N., R. 6 W., 190 ft S. and 60 ft E. of T-rd. E.; in concrete post; a USC&GS and State Survey standard disk stamped "22-35" USGS elev. 911.417
- 27 9.5 UE 22-35 A, in NE $\frac{1}{4}$ sec. 36, T. 92 N., R. 6 W., 27 ft S. and 12 ft W. of center of bridge over creek; on SW. concrete wingwall; chiseled square 853.09

OELWEIN NO 4 QUAD. - 191

- 28 10.8 UE 22-35 B, in NW $\frac{1}{4}$ sec. 36, T. 92 N., R. 6 W., 11 ft N. and 30 ft E. of center of steel frame bridge; on N. end of E. wooden support beam of bridge; copper nail and washer 868.90
- 29 11.3 UE 22-35 C, NE $\frac{1}{4}$ sec. 35, T. 92 N., R. 6 W., 18 ft NE. of center of rd. about 150 ft SE. of rd. at barnyard, entrance E.; on top of center of NE. end of 4 ft concrete box culvert; chiseled square 974.74
- 31 12.1 UE 22-35 D, cor. secs. 26, 27, 34 and 35, T. 92 N., R. 6 W., 11 ft S. and 130 ft E. of rd. in field rd. S.; on SE. 2 x 12 in. wooden wingwall of wooden bridge; copper nail and washer 1049.40
- 32 12.5 UE 22-35 E, near quarter cor. sec. 27 and 34, T. 92 N., R. 6 W., 32 ft N. and 25 ft E. of T-rd. E.; on E. end of corrugated steel culvert; chiseled square 1114.07
- 33 13.0 Reference mark, about 75 ft NW. of tablet; near center of sec. 34, T. 92 N., R. 6 W., 34 ft N. and 39 ft E. of T-rd. E.; in W. side of telephone pole; RR. spike 1128.53
- 34 13.0 Strawberry Point, 3.0 mi N. from; near center of sec. 34, T. 92 N., R. 6 W., 22 ft E. of fence corner post; 1 ft N. of E.-W. fence; 36 ft N. and 63 ft E. of T-rd. E.; in concrete post; standard tablet stamped "26 WEK 1964" 1122.703
- 36 14.1 UE 26 WEK A, in SE $\frac{1}{4}$ sec. 33, T. 92 N., R. 6 W., 10 ft N. and 148 ft E. of T-rd. E. in top of center of N. end of 4 ft concrete box culvert; chiseled square 1165.25
- 38 14.8 UE 26 WEK B, near quarter cor. sec. 33 and 4; Tps. 92 and 91 N., R. 6 W., 15 ft N. and 34 ft E. of rd. at drive E.; on S. end of corrugated steel culvert; chiseled cross 1183.35
- 39 15.5 UE 26 WEK C, near quarter cor. secs. 4 and 5, T. 91 N., R. 6 W., 58 ft S. and 32 ft W. of T-rd. W.; in E. side of power pole; rail spike 1231.54
- 40 16.5 Reference mark, about 60 ft E. of tablet; 35 ft N. and 32 ft E. of crossroads; in S. side of power pole; rail spike 1201.71
- 41 16.5 Strawberry Point, 2.0 mi N. and 2.0 mi W. from; near quarter cor. secs. 5 and 6; T. 91 N., R. 6 W., in a fence corner post; 1 ft S. of fence; 36 ft N. and 28 ft W. of crossroads; in concrete post; standard tablet stamped "27 WEK 1964" 1206.088
- 42 16.9 UE 27 WEK A, near center of sec. 6, T. 91 N., R. 6 W., 23 ft N. and 11 ft E. of rd. at drive N.; on N. end of corrugated steel culvert; chiseled cross 1182.40
- 43 17.5 UE 27 WEK B, near quarter cor. sec. 1 and 6, T. 91 N., Rs. 6 and 7 W., 47 ft W. of T-rd. E.; in E. side of telephone pole; rail spike 1167.98
- 44 18.0 UE 27 WEK C, near cor. secs. 1, 6, 31 and 36; Tps. 91 and 92 N., Rs. 6 and 7 W., 10 ft N. and 16 ft E. of T-rd. W.; N. end of corrugated steel culvert; chiseled cross 1130.87
- 45 19.3 UE 6 WEK C, at cor. secs. 1, 2, 35 and 36; T. 91 N., and 92 N., R. 7 W., 26 ft N. and 22 ft W. of crossroads; on W. end of concrete pipe culvert; chiseled square 1132.74

LINE 4 (Cont'd)	OELWEIN NO 4 QUAD. - 191	Feet
2 20 8.0 Winthrop, 4.0 mi N. and 0.5 mi W. of; at cor. secs. 11, 12, 13 and 14; T. 89 N., R. 8 W., 40 ft S. and 221 ft W. of T-rd. S.; 8 ft E. of powerline pole; 1 ft N. of fence; in concrete post; standard tablet stamped "10 LL 1964"		1034.482
21 8.1 Reference mark, 200 ft E. of tablet; 38 ft S. and 24 ft W. of T-rd. S.; on W. end of S. one of two concrete pipe culverts; chiseled square		1030.87
23 8.6 UE, 9 ft S. and 21 ft E. of rd. at drive E.; on S. end of an old corrugated steel culvert; a chiseled scratch		1055.45
24 9.1 UE, near cor. secs. 13, 14, 23 and 24; T. 89 N., R. 8 W., 54 ft N. and 16 ft E. of T-rd. W.; 2 ft N. of S. end of E. headwall of concrete box culvert; chiseled cross		1057.22
25 9.6 UE, at quarter cor. secs. 23 and 24; T. 89 N., R. 8 W., 8 ft N. and 24 ft W. of rd. at field entrance W.; in line with fences E.-W.; on N. end of corrugated steel culvert; chiseled cross		1084.11
26 10.0 UE, in SW. corner of sec. 24, T. 89 N., R. 8 W., about 600 ft NW. of a Y-rd. NW.; 12 ft NE. of rd., on the N. end of E. headwall of concrete culvert; chiseled square		1047.92
27 10.8 UE, quarter mi W. of cor. secs. 19, 24, 25 and 30; 30 ft N. and 15 ft W. of T-rd. S.; in S. side of powerline pole; head of rail spike		1014.72
28 11.0 Reference mark, about 200 ft W. of tablet; on SW. wingwall of bridge over Buffalo Creek; chiseled square		1018.20
29 11.0 Winthrop, 2.0 mi N. and 0.5 mi E. of; near cor. secs. 19, 24, 25 and 30; T. 89 N., R. 7 and 8 W.; approx. 250 ft W. of T-rd. N.; on NE. wingwall of 200 ft concrete bridge over Buffalo Creek; standard tablet stamped "11 LL 1964"		1018.272
31 11.6 UE, at quarter cor. secs. 19 and 30; T. 89 N., R. 7 W., center of rd. at fence N.		1044.8
32 12.1 UE at cor. secs. 19, 20, 29 and 30; T. 89 N., R. 7 W., 17 ft S. and 32 ft E. of T-rd. S.; on S. end of corrugated steel culvert; chiseled cross		1061.45
33 12.6 UE, at quarter cor. secs. 20 and 29; T. 89 N., R. 7 W., center of rd. at fence N.		1094.7
34 13.1 UE, near cor. secs. 20, 21, 28 and 29, T. 89 N., R. 7 W., 23 ft N. and 43 ft W. of crossroads; on N. end of a concrete pipe culvert; chiseled square		1084.81
35 14.0 Winthrop, 2.0 mi N. and 3.5 mi E. of; near cor. secs. 21, 22, 27 and 28; T. 89 N., R. 7 W., 625 ft W. and 36 ft S. of T-rd. W.; 2 ft N and 8 ft E. of N. pole of a double powerline pole; in concrete post; standard tablet stamped "12 LL 1964"		1055.693
38 14.1 Reference mark, about 600 ft E. of tablet; 33 ft N. and 25 ft W. of a T-rd. W.; on NW. end of concrete pipe culvert; chiseled square		1051.08
39 15.1 UE, at cor. secs. 22, 23, 26 and 27, T. 89 N., R. 7 W., 13 ft S. and 43 ft W. of center of T-rd. E.; on S. end of a corrugated steel culvert; chiseled cross		1050.43
40 15.7 UE, at quarter cor. secs. 23 and 26; T. 89 N., R. 7 W., center of rd. at fences N.-S.		1080.2
41 16.2 UE, at cor. secs. 23, 24, 25 and 26; T. 89 N., R. 7 W., 22 ft S. and 7 ft W. of T-rd. N., on W. end of corrugated steel culvert; chiseled cross		1045.11
42 16.7 UE, at quarter cor. secs. 24 and 25, T. 89 N., R. 7 W., 25 ft S. and 15 ft W. of rd. at fences N.-S.; on the W. end of a concrete pipe culvert; chiseled square		1043.78

LINE 5 (Cont'd)

OELWEIN NO 4 QUAD. - 191

Feet

3 17 7.4 UE, at cor. secs. 1, 2, 35 and 36; Tps. 91 and 92 N., R. 8 W., 25 ft S. and 18 ft W. of T-rd. S.; on W. end of steel pipe culvert; chiseled cross 1167.94

OELWEIN NO 3 QUAD. - 192

18 8.0 UE, about 250 ft W. of quarter cor. secs. 2 and 35; Tps. 91 and 92 N., R. 8 W., 15 ft S. of rd., 3 ft N. of S. end of 66-in. concrete pipe culvert; a drill hole thru culvert 1159.26

19 8.4 Reference mark, 95 ft S. of tablet; 19 ft N. and 27 ft W. of crossroads; on N. end of a concrete pipe culvert; chiseled square 1170.83

21 8.5 Arlington, 1.0 mi S. and 5.0 mi W. of; at Garden Prairie Church; near cor. secs. 2, 3, 34 and 35; Tps. 91 and 92 N., R. 8 W.; 112 ft N. and 44 ft W. of crossroads; 1 ft E. of churchyard fence; in concrete post; standard tablet stamped "14 LL 1964" 1175.676

22 8.9 UE, at quarter cor. secs. 34 and 35; T. 92 N., R. 8 W., center of rd. at fences E.-W. 1185.8

23 9.5 UE, at cor. secs. 26, 27, 34 and 35; T. 92 N., R. 8 W., 22 ft N. and 27 ft E. of crossroads; on N. end of a concrete culvert; chiseled square 1177.92

OELWEIN NO 2 QUAD. - 215

24 9.9 UE, at quarter cor. secs. 26 and 27, T. 92 N., R. 8 W., center of rd. at fence W.; (offset cross-fence) 1182.7

25 10.5 UE, cor. secs. 22, 23, 26 and 27, T. 92 N., R. 8 W., at center of crossroads; head of rail spike 1198.58

26 11.0 UE, at quarter cor. secs. 23 and 26; T. 92 N., R. 8 W., 60 ft N. and 36 ft E. of T-rd. N.; on top of 4-in. concrete post projecting 6-in.; top of reinforcing rod 1193.21

28 11.6 Reference mark, 350 ft S. of tablet; 31 ft E. of rd., in W. side of powerline pole; head of rail spike 1157.03

29 11.7 Arlington, 1.7 mi N. and 4.5 mi W. of; about 0.25 mi N. of T-rd. E.; center of sec. 23, T. 92 N., R. 8 W.; near crest of hill; 52 ft S. and 32 ft E. of rd. at field entrance W.; 4 ft N. of powerline pole; 1 ft W. of fence; in concrete post; standard tablet stamped "15 LL 1964" 1162.921

LINE 6

SOUTH THENCE EAST FROM NEAR CENTER OF QUAD. (J.R. Ennis, 1964; CV 1724)

OELWEIN NO 4 QUAD. - 191

2 24 0.0 USC&GS "T 73 1934" (described in Line 2) 1054.998

0.1 UE T 73 A, Lamont about 1.5 mi E. and 0.6 mi S. of; near W. quarter cor. sec. 19, T. 90 N., R. 6 W., 0.2 mi E. of cemetery; 48 ft S. and 20 ft E. of center of rd. at RR. crossing, 17 ft NW. of power pole; on top of E. end of corrugated steel culvert; punched hole; and painted square 1051.89

25 0.8 UE T. 73 B, about 0.1 mi S. of NW. cor. of sec. 30, T. 90 N., R. 6 W., about 200 ft S. of drive E., 20 ft S. and 14 ft E. of center of rd. at T-fence W.; 14 ft W. of a fence, on top of E. end of steel corrugated culvert; punched hole; and painted square 1065.40

26 1.6 UE T 73 C, at SW. cor. sec. 30, T. 90 N., R. 6 W., 33 ft N. and 24 ft E. of crossroads; 7 ft W. of fence corner; in W. side of power pole; head of nail spike 1088.38

<u>LINE 6 (Cont'd)</u>	<u>OELWEIN NO 4 QUAD. - 191</u>	<u>Feet</u>
2 41 8.7	UE 6 D, about 2.0 mi E. of tablet; at SW. corner of section 21, T. 89 N., R. 6 W.; 26 ft N. and 27 ft W. of T-rd. N.; 11 ft SE. of fence corner on top of a corrugated steel culvert; punched hole; and painted square	990.31
42 9.1	UE 6 E, about 0.2 mi E. of NW. cor. of sec. 28, T. 89 N., R. 6 W., 10 ft N. and 64 ft W. of T-rd. N.; 5 ft W. of E. end of steel railing on N. side of bridge over Spring Branch Creek; on top of concrete curb; chiseled square	984.64
43 9.8	Reference mark, 180 ft NW. of tablet; 29 ft N. of center of rd., 2 ft N. of fence, in S. side of E. trunk of a twin oak tree; head of rail spike	1017.56
44 9.9	Masonville, 1.0 mi N. and 2.0 mi E. of; at SW. cor. of sec. 21, T. 89 N., R. 6 W., about 60 ft NE. of an abandoned rock quarry; 29 ft S. of T-rd. N.; 4 ft S. and 1 ft E. of T-fence S.; on top of concrete post projecting 3-in.; a standard tablet stamped "7 JRE 1964"	1014.604
45 10.6	UE 7 A, about 0.5 mi E. of tablet; about 0.1 mi N. of bridge over Spring Branch; near S. quarter cor. sec. 22, T. 89 N., R. 6 W., at T-rd. S.; 24 ft N. and 12 ft W. of center of rd. at drive N. to old two story brick farmhouse; on S. side of power pole; in front yard; head of nail spike	964.96
46 10.9	UE 7 B, about 1.0 mi E. of tablet; about 0.1 mi N. of SW. cor. of sec. 23, T. 89 N., R. 6 W., 23 ft N. and 27 ft E. of center of rd. at field entrance S.; 20 ft W. of steps over cemetery fence; on top of concrete base of W. end of center gate to cemetery; chiseled square	965.86
47 11.4	UE 7 C, about 1.5 mi E. of tablet; about 0.2 mi S. of center of sec. 23, T. 89 N., R. 6 W., 21 ft S. and 37 ft W. of crossroads; (Masonville Grange Hall 2190 on NE. corner) 33 ft NE. of power pole; in large E.-W. powerline; on top S. end of corrugated steel culvert; punched hole; painted square	960.26
48 11.9	UE 7 D, about 2.0 mi E. of tablet; about 0.2 mi S. of W. quarter cor. sec. 24 T. 89 N., R. 6 W., about 350 ft E. of lone pine tree; 34 ft N. and 143 ft E. of center of rd. at T-fence S.; 4 ft N. of fence; on S. side of power pole; head of nail spike	956.54
<u>ELKADER NO 3 QUAD. - 190</u>		
49 12.5	UE 7 E, about 0.2 mi S. of center of sec. 24, T. 89 N., R. 6 W., about 2.5 mi E. of tablet; 30 ft N. of center of rd., 2 ft S. of fence; in S. side of power pole; head of nail spike	954.08
50 13.1	Reference mark, 385 ft SW. of tablet; just W. of bend in rd., 26 ft N. of center of rd.; 2 ft S. of fence; in S. side of power pole; head of nail spike	951.58
51 13.2	Manchester, about 1.2 mi N. and 1.5 mi W. of intersection of U.S. Hwy. 20 and State Hwy. 13 at; about 0.2 mi NE. of SW. corner of sec. 19, T. 89 N., R. 5 W., near NW. cor. of yard at bend in rd., 92 ft N. and 24 ft E. of center of rd., at drive E.; 1 ft S. of fence corner; of SW. corner field; on top of concrete post projecting 3-in. a standard tablet stamped "8 JRE 1964"	950.557
52 13.4	UE 8 A, about 0.2 mi E. of W. quarter cor. secs. 19, T. 89 N., R. 5 W., about 0.2 mi N. of tablet; 44 ft S. and 21 ft W. of T-rd. E.; 11 ft E. of fence; in E. side of power pole; head of nail spike	970.63
53 14.0	UE 8 B, about 0.2 mi NW. of E. quarter cor. secs. 19, T. 89 N., R. 5 W., near steel bridge and water falls at Manchester Power Plant, 50 ft W. of center of rd. at bend, 42 ft NE. of NE. corner of brick bldg. (Contains generator) 25 ft S. of 24-in. twin elm tree; on top of concrete retaining wall (Steel pipe railing on wall also) chiseled square	948.63

LINE 7 (Cont'd)	OELWEIN NO 4 QUAD. - 191	Feet
3 14 4.8 UE 9 C, near SE. cor. sec. 10, T. 90 N., R. 7 W., just N. of large concrete bridge over S. branch of Maquoketa River, 170 ft N. and 29 ft E. of intersection of N. blacktop Co. "B" rd. and at bend in concrete State Hwy. 187, 37 ft W. of fence corner; on top of E. end of a concrete pipe culvert; chiseled square		1054.53
16 5.5 UE 9 D, about 0.1 mi E. of S. quarter cor. sec. 11, T. 90N., R. 7 W., 53 ft N. and 61 ft E. of center of hwy. at cross-fence; 1 ft S. of fence; on S. side of a power pole; head of a nail spike		1092.38
17 6.0 Reference mark, 348 ft SW. from tablet; 47 ft S. and 20 ft E. of T-rd. N.; 13 ft SW. of telephone pole; 19 ft E. of a fence corner, 3 ft S. of a fence; in root of 24-in. silver maple tree; 2 ft NE. of center; copper nail and washer		1068.35
18 6.1 Lamont, 1.0 mi N. and 1.1 mi E. of; near S. 1/4 cor. sec. 12, T. 90 N., R. 7 W., about 350 ft E. of T-rd. N.; 59 ft N. and 12 ft E. of center of rd. at field entrance N., 25 ft E. of power pole; 4 ft E. of E. gate post; on top of concrete post projecting 2-in. a standard tablet stamped "10 JRE 1963" 1964" (NOTE: May have been erroneously stamped "1963")		1070.853
19 6.8 UE 10 A, at SW. cor. sec. 7, T. 90 N., R. 6 W., 56 ft N. and 29 ft W. of crossroads 4 ft SE. of fence corner; on S. side of a power pole; head of spike nail		1077.18
20 7.3 UE 10 B, near S. 1/4 cor. sec. 7, T. 90 N., R. 6 W., 23 ft N. and 120 ft E. of center of rd. at field entrance N., 35 ft S. of a fence; on top of NE. corner of concrete box culvert; chiseled square		1095.32
22 7.8 UE 10 C, at NW. cor. of sec. 17, T. 90 N., R. 6 W., 42 ft S. and 26 ft E. of crossroads; 11 ft NW. of fence corner; on top of E. end of steel corrugated culvert; punched hole and painted square		1075.29
23 8.3 UE 10 D, near N. quarter cor. sec. 17, T. 90 N., R. 6 W., 37 ft N. and 17 ft W. of center of Hwy. at drive N. to Ranchwood Restaurant; 28 ft SE. of SE. corner of large pen containing 4 white deer (1964), on top of W. end of steel corrugated culvert; punched hole and painted square		1112.93
24 8.8 Reference mark, 226 ft NW. of tablet; 49 ft N. and 15 ft E. of Hwy. at drive S.; 10 ft S. of park fence; on side of power pole; head of spike nail		1093.44
25 8.8 W. gate to Backbone State Park, also end of Iowa Hwy. 187, 45 ft S. of center of Hwy. at W. park gate; 2 ft N. and 5 ft W. of T-fence W.; on top of concrete post; projecting 1-in. a standard tablet stamped "11 JRE 1964 1096"		1095.232
26 9.4 UE 11 A, in bottom of canyon at center of Backbone State Park, 28 ft S. and 48 ft E. of T-rd. N.; on top of concrete abutment on S. side and W. end of bridge over Maquoketa River; chiseled square		1008.07
27 9.7 UE 11 B, about 0.3 mi W. of E. gate of Backbone State Park, in park about 100 ft N. of hairpin curve in park blacktop rd. and trail S.; 60 ft W. of center of rd., 6 ft W. of 30-in. elm tree; on top of limestone outcrop; chiseled square		1086.61
28 10.2 UE 11 C, about 0.2 mi E. of E. gate to Backbone State Park, 42 ft S. of center of rd. at drive S. (offset drives N.-S.) 14 ft NW. of fence corner, on top of E. end of steel corrugated culvert; punched hole and painted square		1121.75
29 10.8 UE 11 D, about 0.3 mi S. of center of sec. 10, T. 90 N., R. 6 W., 51 ft N. and 116 ft W. of center of rd. at field entrance N.; in N. side of power pole; head of nail spike		1146.67
30 11.4 Reference mark, 149 ft NW. of tablet; 28 ft N. and 82 ft W. of T-rd. W.; 29 ft SW. of power pole; on top of N. end of concrete pipe culvert; chiseled square		1151.33

<u>LINE 10 (Cont'd)</u>	<u>ELKADER NO 3 QUAD. - 190</u>	<u>Feet</u>
1 6 0.3 UE, rd. at RR. crossing, top of S. rail		1010.3
7 1.0 UE, at quarter cor. sec. 24 and 25, T. 90 N., R. 6 W., 45 ft S. and 31 ft W. of T-rd. E.; on S. side of 24-in. tree; 1.5 ft above ground, on top of horizontal steel pipe gate brace; chiseled cross		1038.29
8 1.6 UE, center of sec. 24, T. 90 N., R. 6 W., 21 ft N. and 30 ft E. and 0.4 ft lower than rd. at fence E.; W. side of 40-in. maple; head of vertically driven rail spike		1061.89
9 2.0 Reference mark, 150 ft S. of tablet; 6 in. N. of S. gatepost of cemetery; in concrete gate foundation; chiseled square		1051.36
10 2.1 Dundee, 1.5 mi N. and 2.5 mi E. of; near quarter cor. between secs. 13 and 24; T. 90 N., R. 6 W., 0.15 mi S. of T-rd. E.; 36 ft E. of center of rd., 25 ft N. of NW. corner of cemetery, and 1 ft W. of fence; in concrete post; flush with ground, standard tablet stamped "1 LL 1964"		1049.226
11 2.7 UE, 0.25 mi N. of cor. secs. 13, 18, 19 and 24; T. 90 N., R. 5 and 6 W., 13 ft S. and 51 ft W. of T-rd. W.; on S. end of 24-in. corrugated steel culvert; on bolt head; chiseled cross		1112.09
12 3.6 Center of rd. at crest, just N. of center of white house E.		1110.8
13 4.1 UE, about 80 ft S. of quarter cor. secs. 7 and 12, T. 90 N., Rs. 5 and 6 W., in top of NE wood piling of bridge; copper nail and washer		1093.96
14 4.6 Reference mark, 72 ft N. of tablet; 29 ft N. and 41 ft W. of T-rd. S.; in S. side of powerline pole; head of rail spike		1140.98
15 4.6 "2 LL 1964" (described in Line 3)		1143.424

LINE 11

SOUTH AT SOUTHEAST PORTION OF EAST BORDER (J.R. Ennis, 1964; CV 1724)

	<u>OELWEIN NO 4 QUAD. - 191</u>	
1 21 0.0 USC&GS "Q 73 1934" (described in Line 10)		999.250
	<u>ELKADER NO 3 QUAD. - 190</u>	
21 0.6 UE Q 73 A, about 0.3 mi E. along RR. track; thence 0.2 mi S. along Co. gravel rd. at T-rd. N.; head of rail spike		1003.13
22 1.3 UE Q 73 B, Dundee, about 2.5 mi E. of and 1.0 mi S. of; near center of sec. 36; T. 90 N., R. 6 W., 19 ft N. and 3.7 ft lower than center of rd., on top of N. end of corrugated steel culvert; punched hole; painted square		984.87
23 1.9 UE Q 73 C, Dundee, about 3.3 mi E. and 1.0 mi S. of; just W. of center of sec. 31, T. 90 N., R. 5 W., 24 ft N. and 14 ft W. of Trd. S.; 12 ft SE. of fence corner; on top of W. end of corrugated steel culvert; punched hole; painted square		1001.16
24 2.4 UE Q 73 D, Manchester, 5.0 mi N. and 1.3 mi W. of Hwy. junction U.S. 20 and State 13; at 0.2 mi E. of NW. cor. of sec. 6, T. 89 N., R. 5 W., 12 ft S. and 23 ft W. of center of rd. at large E.-W. power line and cross field entrances, 23 ft SE. of fence corner, on top of S. end of corrugated steel culvert; punched hole painted square		1009.66
25 2.9 UE Q 73 E, Manchester, about 4.5 mi N. and 1.3 mi W. of intersection of U.S. Hwy. 20 and State 13; at just W. of center sec. 6, T. 89 N., R. 5 W., 25 ft S. and 27 ft E. of crossroads; 12 ft NW. of fence corner; on top of S. end of corrugated steel culvert; punched hole; painted square		1011.10
26 3.4 Reference mark, 72 ft SE. of tablet; 31 ft E. of center of rd., 1 ft W. of fence; in NE. side of telephone pole; head of nail spike		1003.46