

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

FINAL ADJUSTMENT OF 1970

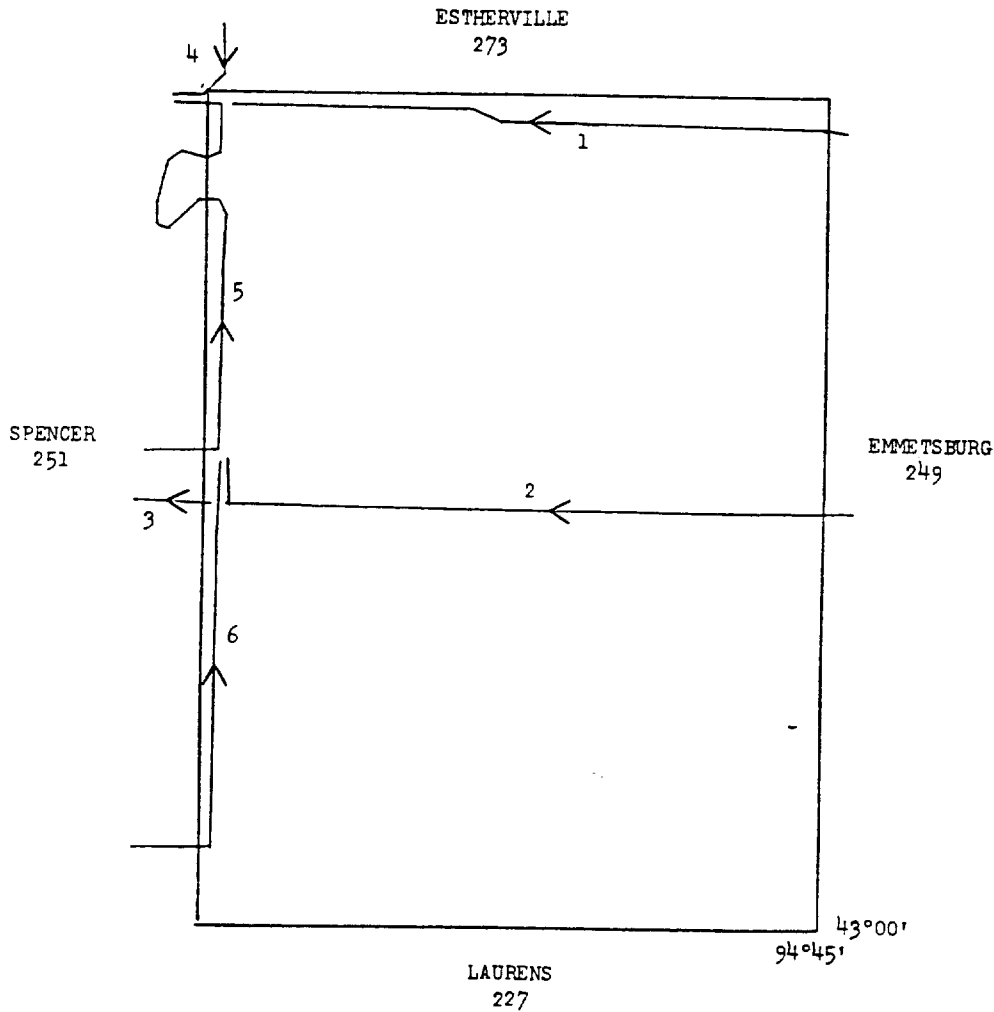
Palo Alto and Clay Counties

Edition of 12-3-70

PR:AKH/ph/gh

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RUTHVEN QUADRANGLE
250 - IOWA
N4300-W9445/15
DIAGRAM NK 15-1
FAIRMONT



250 A

LINE 1

FEET

C. L. Crutchfield, 1970; Book CV 2586

EMMETSBURG QUAD. - 249

NOTE: FIELD ELEVATIONS ARE PUBLISHED HERE PENDING RERUNS

2	1	0.0	Emmetsburg, Palo Alto County, 6.7 mi NW. along the Chicago, Rock Island & Pacific RR. from the station at; 0.5 mi NW. of the station at Osgood, 0.2 mi NW. of wooden trestle 1909, 45.9 ft NE. of the NE. rail of the main track, 26 ft NW. of milepost 191, 1.5 ft SW. of the right-of-way fence; a USC&GS standard disk stamped "G 19 1934" and set in the top of a concrete post projecting about 4 in. above ground	1230.326
2	1.0	UE G A, 1.0 mi N. along the RR. from tablet, center of E.-W. gravel rd. on top of W. rail, not painted		1232.025
3	1.9	UE G B, 1.9 mi NNW. along the RR. from tablet, center of N.-S. gravel rd., on top of the S. rail, not painted		1235.793
4	2.0	Osgood, Palo Alto County, 2.4 mi NW. along the C.R.I.&P. RR. from the station at; 1.7 mi SE. from the station at Graettinger, 330 ft SE. of milepost 193, 51 ft W. of the center of a section rd., 47.7 ft NE. of the NE. rail of the main track, 14.8 ft NW. of a fence corner, and 1.5 ft SW. of a right-of-way fence; a USC&GS standard disk stamped "H 19 1934" and set in the top of a concrete post projecting about 4 in. above ground (corner chipped but post solid 9/70 CLC)		1234.221
5	2.5	UE H A, 0.54 mi N. along a county rd. from tablet, center of T-rd. W.; a nail and washer, painted "UE centerline"		1236.660
			RUTHVEN QUAD. - 250	
6	3.3	UE H B, 1.3 mi N. along a county rd. from tablet, center of T-rd. S.; a chiseled square in concrete hwy.; painted "UE centerline"		1233.243
7	3.5	UE H C, 1.3 mi N. and 0.2 mi W. along a county rd. and hwy. from tablet, center of T-rd. N.; a chiseled square in concrete hwy. painted "UE centerline"		1238.553
8	4.5	UE H D, at Graettinger, first building W. of the city power plant, at the SW. corner of the new power plant garage; a chiseled square, not painted		1246.239
9	4.9	At Graettinger, 0.14 mi S. of the cor. secs. 4, 5, 8 and 9, T. 97 N., R. 33 W., 46 ft S. and 52 ft E. and 2.3 ft higher than T-rd. E. at the NW. corner of the county shop; a standard tablet crimped to 10-ft steel rod, 1 ft N. of a witness sign, set 0.1 ft below ground and stamped "6 CLC 1970"		1295.757
10	4.9	Reference mark, 46 ft N. and 52 ft W. and 2.3 ft lower than tablet, center of State Hwy. 4, and rd. E.; a chiseled square, painted "RMT"		1293.450
11	5.0	UE 6 A, 0.14 mi N. along State Hwy. 4 from tablet, center of T-rd. W.; a chiseled square, painted "UE centerline"		1287.693
12	6.0	UE 6 B, 0.14 mi N. and 1.0 mi W. along State and County Hwys. from tablet, center of T-rd. S.; a chiseled square, painted "UE centerline"		1306.020
13	7.0	UE 6 C, 0.14 mi N. and 2.0 mi W. along State and Co. Hwys. from tablet, center of hwy. at N.-S. fence; a chiseled square, painted "UE centerline"		1348.158
14	8.0	Graettinger, 3.0 mi W. of; near cor. secs. 1, 2, 11 and 12, T. 97 N., R. 34 W., 42 ft S. and 410 ft E. and 9.9 ft lower than crossroads, 1 ft N. of a fence corner, 0.5 ft N. of a witness sign; a copper coated steel rod driven to a depth of 10 ft; a standard brass tablet crimped to rod set 0.1 ft below ground and stamped "7 CLC 1970"		1367.589

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RUTHVEN QUADRANGLE
250 - IOWA

<u>LINE 1 (Cont'd)</u>		<u>RUTHVEN QUAD. - 250</u>	<u>FEET</u>
2	15 8.1	Reference mark, 42 ft N. and 410 ft W. and 9.9 ft higher than tablet, center of crossroads; a chiseled square in center of hwy., painted "RT"	1377.450
16	9.1	UE 7 A, 1.1 mi W. along county hwy. from tablet, center of crossroads; a chiseled square, painted "UE centerline"	1439.922
17	9.6	UE 7 B, 1.6 mi W. along a County Hwy. from tablet, center of T-rd. S.; a chiseled square, painted "UE centerline"	1491.510
18	10.1	UE 7 C, 2.1 mi W. along a County Hwy. from tablet, center of crossroads; a chiseled square, painted "UE centerline"	1507.038
19	11.1	UE 7 D, 3.1 mi W. along a county rd. and hwy. from tablet, center of crossroads; a nail and washer in gravel, painted "UE centerline"	1428.963
20	11.2	Graettinger, 6.0 mi W. of; near cor. secs. 4, 5, 8 and 9, T. 97 N., R. 34 W., 38 ft N. and 590 ft W. and 7.5 ft lower than crossroads, 12 ft E. and 2 ft S. of a corner fence post, 1 ft S. of a witness sign; a copper coated steel rod driven to a depth of 10 ft; a standard brass tablet crimped to rod set 0.2 ft below ground and stamped "8 CLC 1970"	1421.484
21	11.5	UE 8 A, 0.3 mi W. along a county rd. from tablet, 10 ft N. and 10 ft W. and 0.3 ft higher than center of bridge over a small drain, top of the NW. wheel guard; a chiseled square, painted "UE 8 A"	1391.949
22	12.0	UE 8 B, 0.9 mi W. along a county rd. from tablet, center of crossroads; a nail and washer, painted "UE centerline"	1402.299
23	12.9	UE 8 C, 1.8 mi W. along a county rd. from tablet, center of crossroads; a nail and washer, painted "UE centerline"	1430.265
24	14.0	UE 8 D, 2.8 mi W. along a county rd. from tablet, 12 ft N. and 1.1 ft higher than center of E.-W. rd., at drain crossing, in the center of the N. headwall of a concrete box culvert; a chiseled square, painted "UE 8 D"	1389.396
25	14.1	UE 8 E, 2.9 mi W. along a county rd. from tablet, center of crossroads; a nail and washer, painted "UE centerline"	1387.821
26	14.4	Terril, 4.0 mi S. and 1.7 mi E. of; 0.3 mi W. of the cor. secs. 1, 2, 11 and 12, T. 97 N., R. 35 W., 32 ft N. and 10 ft W. and 2.6 ft lower than T-field entrance N., 1 ft W. and 2 ft S. of a corner fence post, 1 ft S. of a witness sign; a copper coated steel rod driven to a depth of 10 ft; a standard brass tablet crimped to rod, set 0.1 ft below ground and stamped "9 CLC 1970"	1393.905
27	15.2	UE 9 A, 0.8 mi W. along a county rd. from tablet, center of crossroads; a nail and washer, painted "UE centerline"	1371.414
28	16.1	UE 9 B, 1.7 mi W. along a county rd. from tablet, center of crossroads; a nail and washer, painted "UE centerline"	1363.320
29	17.1	UE 9 C, 2.7 mi W. along a county rd. from tablet, center of crossroads; a nail and washer, painted "UE centerline"	1378.854

SPENCER QUAD. - 251

30	17.4	Fostoria, about 7.5 mi E. of; near quarter cor. secs. 5 and 8, T. 97 N., R. 35 W., 32 ft N. of center of E.-W. rd., 10 ft E. of center of gate at field entrance N., 2 ft S. of fence line, in concrete post; standard tablet stamped "ET 15 HK 1964 1388"	1387.776
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THIS ELEV. 1387.776
PREV. ELEV. 1387.476
CLOSURE +.300

LINE 2

FEET

C. L. Crutchfield, 1970; Book CV 2586

EMMETSBURG QUAD. - 249

NOTE: FIELD ELEVATIONS ARE PUBLISHED HERE PENDING RERUNS

2 34	0.0	USC&GS Triangulation Station EMMETSBURG 1934, in the town of Emmetsburg, on the S. side of the courthouse yard, in the NW $\frac{1}{4}$ sec. 38, T. 96 N., R. 32 W., on county owned property, on the S. side of the courthouse, 43 ft SSE. of the SW. corner of courthouse, 71.5 ft SW. of the SE. corner of courthouse, 45 ft N. of face of N. curb, 23 ft N. of the N. edge of sidewalk, set flush with ground	1251.812
34- 1.4	UE E A, 1.4 mi	NNW. along County Route "A"; Lawler St., from tablet, center of concrete hwy. and a gravel rd. W.; a chiseled square, painted "UE centerline"	1234.671
35 2.7	Emmetsburg, 1.0 mi	N. and 1.0 mi W. of; near the center of secs. 14 and 23, T. 96 N., R. 33 W., 16 ft N. and 0.7 ft higher than center of W. end of bridge over W. branch of Des Moines River, top of the NW. end of concrete walkway; a standard tablet stamped "10 CLC 1970"	1218.012
36 2.7	Reference mark, 6 ft	W. and normal to tablet, top of the NW. concrete bridge walkway; a State "I.H.C." BM (elev. by USGS)	1217.979
37 3.3	UE 10 A; 0.6 mi	W. along U.S. Hwy. 18 from tablet, center of crossroads; a nail and washer, painted "UE centerline"	1211.262
38 4.3	UE 10 B, 1.6 mi	W. along U.S. Hwy. 18 from tablet, center of hwy. at fence N.; a nail and washer, painted "UE centerline"	1244.565

RUTHVEN QUAD. - 250

39 5.3	UE 10 C, 2.6 mi	W. along U.S. Hwy. 18 from tablet, center of U.S. Hwy. 18 and State Hwy. 4 N.; a chiseled square, painted "UE centerline"	1264.326
40 6.0	Emmetsburg, 1.0 mi	N. and 4.2 mi W. of; 0.25 mi E. of the cor. secs. 17, 18, 19 and 20, T. 97 N., R. 33 W., 25 ft N. and 0.8 ft lower than center of U.S. Hwy. 18 and drain ditch NW., in the center of the N. headwall of a concrete box culvert; a standard tablet stamped "11 CLC 1970"	1262.319
41 6.0	Reference mark, 50 ft	S. and 32 ft E. and normal to tablet, in the center of the S. headwall of a concrete box culvert; a chiseled square, painted "RM"	1262.169
42 6.3	UE 11 A, 0.26 mi	W. along U.S. Hwy. 18 from tablet, center of crossroads; a nail and washer, painted "UE centerline"	1275.918
43 7.3	UE 11 B, 1.3 mi	W. along U.S. Hwy. 18 from tablet, center of crossroads; a chiseled square in center of concrete hwy., painted "UE centerline"	1300.800
44 8.5	UE 11 C, 2.5 mi	W. along U.S. Hwy. 18 from tablet, center of hwy. at drive N.; a chiseled square, painted "UE centerline"	1344.237
45 8.9	Ruthven, 3.5 mi	E. of; 0.1 mi W. of the center of secs. 14 and 23, T. 96 N., R. 34 W., 31 ft N. and 3.4 ft lower than center of hwy. at a drain crossing, in the center of the N. headwall of a concrete box culvert; a standard tablet stamped "12 CLC 1970"	1324.707
46 8.9	Reference mark, 62 ft	S. and 0.5 ft lower than tablet, in the center of the S. headwall of a concrete box culvert; a chiseled square, painted "RM"	1324.197
47 9.3	UE 12 A, 0.4 mi	W. along U.S. Hwy. 18 from tablet, center of crossroads; a chiseled square, painted "UE centerline"	1361.577
48 10.3	UE 12 B, 1.4 mi	W. along U.S. Hwy. 18 from tablet, center of crossroads; a chiseled square, painted "UE centerline"	1417.521

<u>LINE 2 (Cont'd)</u>	<u>RUTHVEN QUAD. - 250</u>	<u>FEET</u>
2 49 11.3 Ruthven, 1.0 mi E. of; near cor. secs. 16, 17, 20 and 21, T. 96 N., R. 34 W., 25 ft N. and 0.2 ft lower than T-rd. S., in the center of the N. headwall of a concrete box culvert; a standard tablet stamped "13 CLC 1970"		1377.069
50 11.3 Reference mark, 51 ft S. and 40 ft W. and normal to tablet, in the center of the SW. headwall of a concrete box culvert; a chiseled square, painted "RM"		1377.054
51 12.5 UE 13 A, 1.2 mi W. along U.S. Hwy. 18 from tablet, center of crossroads; a chiseled square, painted "UE centerline"		1418.415
52 13.2 UE 13 B, 1.9 mi W. along U.S. Hwy. 18 from tablet, center of crossroads; a chiseled square, painted "UE centerline"		1382.400
53 14.3 UE 13 C, 2.9 mi W. along U.S. Hwy. 18 from tablet, center of T-rd. S.; a nail and washer in pavement, painted "UE centerline"		1387.461
54 14.8 Ruthven, 2.5 mi W. of; near center secs. 14 and 23, T. 96 N., R. 35 W., 18 ft S. and 9 ft W. and normal to hwy. at N.-S. fence, in the center of the S. headwall of a concrete box culvert; a standard tablet stamped "14 CLC 1970"		1363.794
55 14.8 Reference mark, 36 ft N. and 1.1 ft lower than tablet, in the center of the N. headwall of a concrete box culvert; a chiseled square, painted "RM"		1362.666
56 15.3 UE 14 A, 0.5 mi W. along U.S. Hwy. 18 from tablet, center of crossroads; a nail and washer in pavement, painted "UE centerline"		1378.254
57 16.3 UE 14 B, 1.5 mi W. along U.S. Hwy. 18 from tablet, center of crossroads; a nail and washer, painted "UE centerline"		1343.265
58 17.2 UE 14 C, 2.5 mi W. along U.S. Hwy. 18 from tablet, center of crossroads; a nail and washer, painted "UE centerline" (in pavement)		1330.440
59 18.2 Dickens, 0.5 mi N. and 1.0 mi E. of, T. 96 N., R. 35 W., near cor. secs. 8, 9 16 and 17, 51 ft S. and 10 ft W. and 1.4 ft higher than T-rd. W.; top of W. headwall; standard tablet stamped "1 GJS 1964 1348" embedded in headwall		1348.026
THIS ELEV. 1348.026 PREV. ELEV. 1347.592 CLOSURE +.434		

LINE 3

C. L. Crutchfield, 1970; Book CV 2586

RUTHVEN QUAD. - 250

NOTE: FIELD ELEVATIONS ARE PUBLISHED HERE PENDING RERUNS

2 62 0.0 "UE 14 C" (described in Line 2)		1330.440
<u>SPENCER QUAD. - 251</u>		
62 1.0 UE 14 C A, 1.0 mi W. along U.S. Hwy. 18 from "UE 14 C"; center of T-rd. S.; a nail and washer		1315.809
65 3.2 Spencer, about 4.0 mi SE. along the Chicago, Milwaukee, St. Paul & Pacific RR. from the station at; 70 ft N. of the center of U.S. Hwy. 18, 52 ft E. of the E. rail of RR. track, 3 ft W. of a power line pole, 2 ft NW. of a metal witness post; a USC&GS standard disk set in the top of a round concrete monument which projects 3 in., stamped "X 21 RESET 1965"		1298.598
THIS ELEV. 1298.598 PREV. ELEV. 1298.429 CLOSURE +.169		

LINE 4

FEET

D. W. Bennett, 1967; Book CV 2220

ESTHERVILLE QUAD. -- 272

- 11.5 Terrill, 2.5 mi S. of; 1.25 mi W. of; 2.25 mi S. of tablet, T. 98 N., R. 35 W., near cor. secs. 28, 29, 32 and 33, 30 ft S. and 40 ft W. of T-rd. E., 8 ft S. of center of gate, 8 ft W. of fence corner, 4 ft NW. of a guy pole, 1 ft N. of fence and witness sign; standard tablet set in concrete post projecting 6 in. stamped "76 DWB 1967 1393" 1393.041
- 12.5 UE 76 A, 1.0 mi S. of tablet, Tps. 97 and 98 N., R. 35 W., near cor. secs. 4, 5, 32 and 33, 25 ft N. and 36 ft E. of crossroads; chiseled square on 36-in. concrete pipe culvert 1395.42

SPENCER QUAD. - 251

- 13.5 Postoria, about 7.5 mi E. of; near quarter cor. secs. 5 and 8, T. 97 N., R. 35 W., 32 ft N. of center of E.-W. rd., 10 ft E. of center of gate at field entrance N., 2 ft S. of fence line, in concrete post; standard tablet stamped "ET15 HK 1964 1388" 1387.476

LINE 5

G. J. Scholesser, 1964; Book CV 1768

SPENCER QUAD. - 251

- 4.0 Dickens, 0.5 mi N. and 0.5 mi E. of; about 0.25 mi S. of cor. secs. 7, 8, 17 and 18, T. 96 N., R. 35 W., 16 ft S. and 42 ft W. of center of N.-S. rd. at field entrance W., 2 ft E. of right-of-way fence, in concrete post; standard tablet stamped "ET 16 HK 1964 1368" 1368.325
- 4.1 UE 16 HK A, 0.13 mi N. of tablet, near cor. secs. 7, 8, 17 and 18, T. 95 N., R. 35 W., 18 ft S. and 39 ft E. and 1.7 ft lower than T-rd. E.; top of concrete culvert, square painted 1356.34

RUTHVEN QUAD. - 250

- 5.1 Dickens, 0.5 mi N. and 1.0 mi E. of, T. 96 N., R. 35 W., near cor. secs. 8, 9, 16 and 17, 51 ft S. and 10 ft W. and 1.4 ft higher than T-rd. W., top of W. headwall; standard tablet stamped "1 GJS 1964 1348" embedded in headwall - 1347.592
- 5.1 Reference mark, 320 ft N. and 60 ft E. of tablet, top of large granite boulder; square painted 1344.27
- 6.2 UE 1 A, 1.0 mi N. of tablet, near cor. secs. 4, 5, 8 and 9, T. 96 N., R. 35 W., center of T-rd. W. 1362.6
- 7.2 UE 1 B, 2.0 mi N. of tablet, near cor. secs. 4, 5, 32 and 33, 21 ft W. and 28.6 ft S. and 2.5 ft lower than T-rd. W.; top of concrete culvert; square painted 1347.62
- 8.3 UE 1 C, 3.0 mi N. of tablet, near cor. secs. 28, 29, 32 and 33, 31 ft N., 31.5 ft W. and 3.0 ft lower than crossroads; top of concrete culvert; square painted 1340.71
- 9.1 Dickens, 1.5 mi E. and 4.3 mi N. of; T. 96 N., R. 35 W., near quarter cor. between secs. 28 and 29, 79.9 ft E. and 36.9 ft S. and 1.7 ft lower than rd. at drive E.; top of bottom concrete step at front entrance to house; a standard tablet embedded; stamped "2 GJS 1964 1360" 1360.282
- 9.1 Reference mark, 12 ft S. and 15 ft E. of rd. at drive E.; top of culvert; square 1357.43
- 9.5 UE 2 A, 0.3 mi N. of tablet, near cor. secs. 20, 21, 28 and 29, 33 ft E. and 1.6 ft lower than T-rd. W.; top of concrete base of fence corner post; square painted 1358.30
- 10.5 UE 2 B, 1.3 mi N. of tablet, near cor. secs. 16, 17, 20 and 21, T. 97 N., R. 33 W., center of T-rd. S.; square painted 1365.93

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RUTHVEN QUADRANGLE
250 - IOWA

LINE 5 (Cont'd)

SPENCER QUAD. - 251

FEET

11.6	UE 2 C, 1.3 mi N. and 1.1 mi W. of tablet, near quarter cor. secs. 19 and 20; center of T-rd. S.; square painted	1364.12
11.9	UE 2 D, 1.7 mi N. and 1.1 mi W. of tablet, near cor. secs. 17, 18, 19 and 20; center of T-rd. N.; square painted	1381.70
13.1	UE 2 E, 2.9 mi N. and 1.1 mi W. of; near cor. secs. 7, 8, 17 and 18; center of crossroads	1389.0
<u>RUTHVEN QUAD. - 250</u>		
14.2	UE 2 F, 2.9 mi N. of; near cor. secs. 8, 9, 16 and 17, 6.0 ft higher than water; center of wooden bridge	1363.0
15.1	UE 2 G, 3.9 mi N. of tablet, near cor. secs. 4, 5, 8 and 9, T. 97 N., R. 35 W., 175.3 ft S. and 18.8 ft W. of and 3.3 ft lower than crossroads; top of steel culvert; square painted	1374.68
<u>SPENCER QUAD. - 251</u>		
15.5	Postoria, about 7.5 mi E. of; near quarter cor. secs. 5 and 8, T. 97 N., R. 35 W., 32 ft N. of center of E.-W. rd., 10 ft E. of center of gate at field entrance N., 2 ft S. of fence line, in concrete post; standard tablet stamped "ET 15 HK 1964 1388"	1387.476
16.1	UE 15 A, 0.6 mi W. of tablet, near cor. secs. 5, 6, 7 and 8, T. 97 N., R. 35 W., center of crossroads	1404.2

LINE 6

G. J. Schloesser. 1964; Book CV 1768

SPENCER QUAD. - 251

0.0	Gillett Grove, at; 160 yards S. of C.M. St. P. & P. RR. station, 0.3 mi S. of MP 146, 17.7 ft W. of W. rail of main track, 15 ft E. of E. rail of sidetrack and 7 ft NE. of S. pole between main track and sidetrack; a USC&GS standard disk stamped "B 22 1934" set in top of concrete post projecting 3 in. above ground	1294.774
0.8	UE 22 A, 0.8 mi N. of tablet, near cor. secs. 19, 24, 25 and 30, T. 95 N., R. 35 W., 29 ft W. and 10 ft N. and 2.8 ft lower than T-rd. E.; top of concrete culvert; square painted	1399.94
1.7	UE 22 B, 0.8 mi N. and 0.9 mi E. of tablet, near quarter cor. secs. 19 and 30; center of bridge over Elk Creek, 16 ft higher than water; square painted	1308.43
<u>RUTHVEN QUAD. - 250</u>		
2.9	UE 22 C, 0.8 mi N. and 2.0 mi E. of tablet, near cor. secs. 20, 21, 28 and 29, 153 ft E. and 37 ft S. and 0.5 ft lower than crossroads, top of concrete culvert; square painted	1407.43
3.9	UE 22 D, 1.8 mi N. and 2.0 mi E. of tablet, near cor. secs. 16, 17, 20 and 21; center of T-rd. S.	1387.5
4.9	UE 22 E, 1.8 mi N. and 3.0 mi E. of tablet, near cor. secs. 15, 16, 21 and 22, 111 ft N. and 53 ft E. and 3.5 ft lower than crossroads, top of concrete step of school; square painted	1438.76
5.7	UE 22 F, 2.6 mi N. and 3.0 mi E. of tablet, near cor. secs. 9, 10, 15 and 16, 30 ft W. and 51 ft S. of bridge; top of concrete culvert; square painted	1323.02

<u>LINE 6 (Cont'd)</u>	<u>RUTHVEN QUAD. - 250</u>	<u>FEET</u>
6.3 Gillett Grove, 2.6 mi N. and 2.3 mi E. of; T. 95 N., R. 35 W., near quarter cor. secs. 9 and 16, 22 ft S. of rd. at culvert; top of S. concrete headwall; standard tablet embedded "8 GJS 1964 1317"		1316.723
6.3 Reference mark, 30 ft N. of tablet, top of N. concrete headwall; square painted		1317.02
6.7 UE 8 A, 0.4 mi W. of tablet, near cor. secs. 8, 9, 16 and 17, 44 ft W. and 38 ft N. and 2.6 ft lower than T-rd. N.; top of concrete culvert; square painted		1395.00
7.7 UE 8 B, 0.4 mi W. and 1.0 mi N. of; near cor. secs. 4, 5, 8 and 9, 24 ft E. and 32 ft S. and 2.8 ft lower than crossroads; top of concrete culvert; square painted		1405.44
8.8 UE 8 C, 0.4 mi W. and 2.0 mi N. of tablet, near cor. secs. 4, 5, 32 and 33, T. 95 N., R. 35 W., center of crossroads		1394.9
9.4 Dickens, 2.7 mi S. and 1.0 mi E. of; T. 96 N., R. 35 W., near quarter cor. secs. 32 and 33, 15 ft W. of rd. at small drain, 3.3 ft higher than water; top of W. concrete headwall; standard tablet stamped "9 GJS 1964 1369" embedded		1368.847
9.4 Reference mark, 30 ft E. of tablet, top of E. headwall; square painted		1368.96
9.8 UE 9 A, 0.3 mi N. of tablet, near cor. secs. 28, 29, 32 and 33, 27 ft S. and 2.3 ft W. and 3.1 ft lower than crossroads; top of concrete culvert; square		1373.62
10.8 UE 9 B, 1.3 mi N. of tablet, near cor. secs. 20, 21, 28 and 29, T. 96 N., R. 35 W., 152 ft S. and 30 ft W. and 5.0 ft lower than crossroads; top of concrete culvert; square painted		1357.65
11.8 UE 9 C, 2.3 mi N. of tablet, near cor. secs. 16, 17, 20 and 21, center of crossroads; square painted		1329.8
12.8 "1 GJS 1964" (described in Line 5)		1347.592