

42-095-13

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

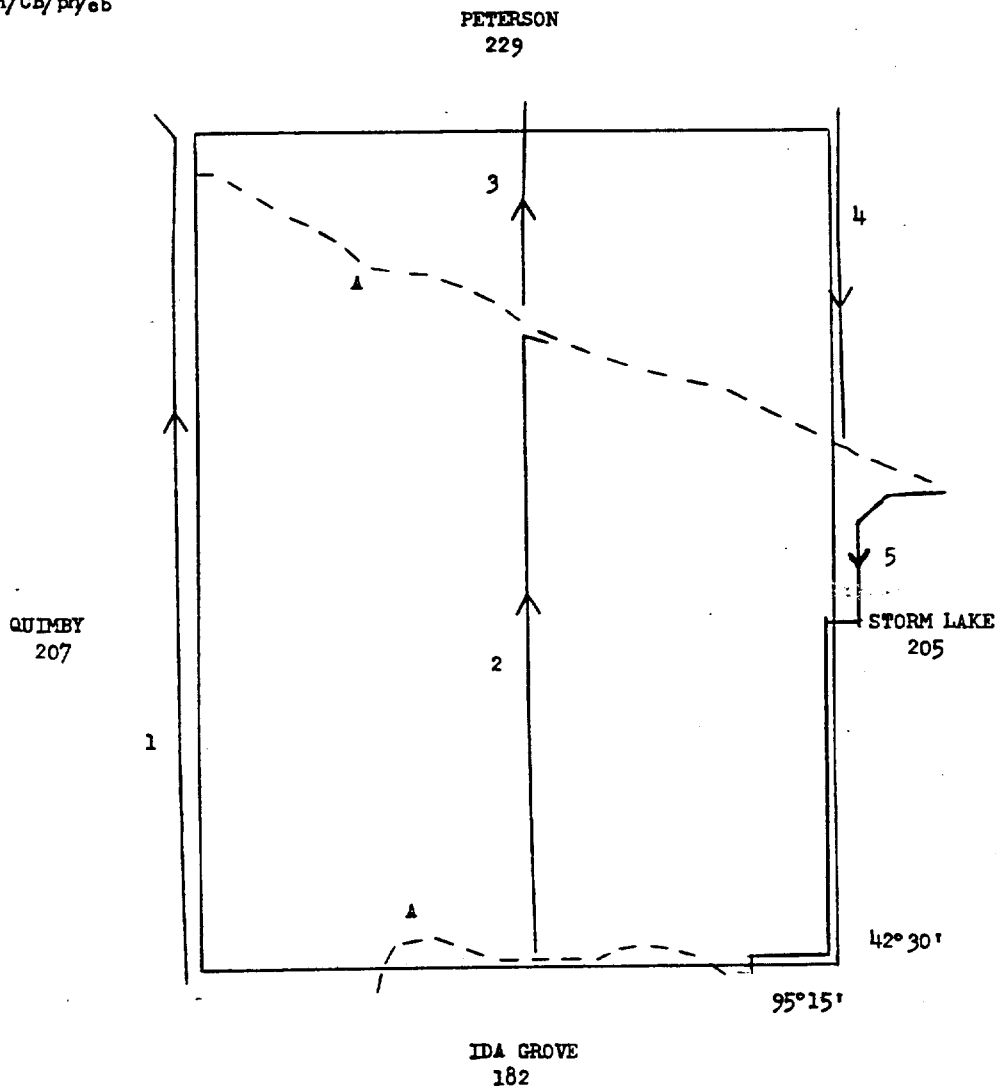
THIRD ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Buena Vista, Cherokee, and Ida
Counties

42-095-13
AURELIA QUADRANGLE
206 - IOWA
N4230-W9515/15
DIAGRAM NK 15-4
FT. DODGE

Final Adjustment of 1969

Edition of 3-10-75
PR: AKH/CB/phyeb



NGS VERTICAL CONTROL DATA

A. Quadrangle No. 420951

206A

2
42-095-13
AURELIA QUADRANGLE
206 - IOWA

FEET

LINE 1

BATTLE CREEK QUAD. - 183

J. H. Tyndale, 1968; Book CV-2324

5 1 0.0 2.2 mi E. along the Chicago & North Western Ry. from Holstein, Ida Co., at the W. side of sec. 30, T. 89 N., R. 39 W., 250 ft W. of MP 43, at culvert 1537, and in the top of the SE. cor. of the S. stone headwall; a standard Monel-metal rivet, designated RV 15 1933 1367.104

QUIMBY QUAD.--207

1 0.6 UE; center of crossroad (Co. Hwy. "D" E.-W.), cor. secs. 19, 24, 25 and 30, T. 89 N., Rs. 39 and 40 W.; copper nail and washer, painted "UE" 1412.35

2 1.6 UE; 20 ft S., 24 ft E. and 1.4 ft lower than crossroad, cor. secs. 13, 18, 19 and 24, T. 89 N., Rs. 39 and 40 W.; 10 x 10 ft box culvert; set askew; center headwall; chiseled square, painted "UE" 1353.54

3 2.6 Holstein, 3 mi N. and 2 mi E. of; 284 ft S., 42 ft W. and 0.6 ft higher than crossroad, cor. secs. 7, 12, 13 and 18, T. 89 N., Rs. 39 and 40 W.; 9 ft S. of steel witness sign; 1 ft E. of W. right-of-way fence; on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "17 T 1968 1413" 1412.907

4 2.6 Reference mark, 257 ft NNE. of table; 27 ft S., 18 ft W. of crossroad; 3 ft concrete tube culvert; chiseled square, painted "RM" 1411.22

5 3.7 UE; 15 ft S.; 255 ft E. and 2.5 ft lower than T-rd. S., cor. secs. 1, 6, 7 and 12, T. 89 N., Rs. 39 and 40 W.; W. end 2.5 ft concrete tube drive culvert; punch hole; painted "UE" 1381.50

6 4.8 UE; 25 ft N., 20 ft W. and 1.7 ft lower than T-rd. N., cor. secs. 1, 6, 31 and 36, Tps. 89 and 90 N., Rs. 39 and 40 W.; 2.5 ft concrete tube culvert; chiseled square, painted "UE" 1406.70

7 5.9 Reference mark, 310 ft ESE. of tablet; 30 ft S. and 30 ft E. of crossroad, 2 x 3 ft concrete box culvert; X-mark inside chiseled square, center S. headwall painted "RM" 1413.78

8 5.9 Holstein, 6 mi N. and 2 mi E. of; 59 ft N., 267 ft W. and 1.0 ft lower than crossroad, cor. secs. 25, 26, 30 and 31, T. 90 N., Rs. 39 and 40 W.; 9 ft E. of witness sign; 1 ft S. of N. right-of-way fence; on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "16 T 1968 1418" 1418.000

9 7.0 UE; 37 ft S., 32 ft E. and 1.8 ft lower than crossroad, cor. secs. 19, 24, 25 and 30, T. 90 N., Rs. 39 and 40 W.; W. side telephone pole; rail spike, painted "UE" 1404.08

10 8.0 UE; 18 ft S., 27 ft W. and 2.2 ft lower than T-rd. W., cor. secs. 18, 19, 13 and 24, T. 90 N., Rs. 39 and 40 W.; 3.5 ft concrete tube culvert; chiseled square, painted "UE" 1316.52

11 9.0 Holstein, 9 mi N. and 2 mi E. of; 254 ft S., 36 ft W. and 3.3 ft higher than crossroad; cor. secs. 7, 12, 13 and 18, T. 90 N., Rs. 39 and 40 W.; 18 ft S. of witness sign; 1 ft E. of W. right-of-way fence; on 10 ft copper coated steel rod, inside 6 in. concrete tile; standard tablet stamped "15 T 1968 1348" 1348.260

12 9.0 Reference mark, 272 ft N. of tablet, 18 ft N. and 27 ft W. of crossroad; 1.5 ft corrugated steel culvert; punch hole; painted "RM" 1342.32

FEET

LINE 1 (Cont'd)

QUIMBY QUAD. - 207

- 13 10.1 UE; center of crossroad (Co. Hwy. "R" E.-W.), cor. secs. 1, 6, 7 and 12, T. 90 N., Rs. 39 and 40 W.; copper nail and washer, painted "UE Centerline" 1389.72
- 14 11.0 UE; 34 ft N., 18 ft W. and 1.9 ft lower than crossroad, cor. secs. 1, 6, 31 and 36, Tps. 90 and 91 N., Rs. 39 and 40 W.; 4 ft concrete tube culvert; chiseled square, painted "UE" 1368.68
- 15 12.1 Reference mark, 191 ft S. of tablet, 21 ft S. and 29 ft E. of crossroad; 2.5 ft corrugated steel culvert; punch hole, painted "RM" 1389.10
- 16 12.1 Aurelia, 3.5 mi S. and 3.5 mi W. of; 170 ft N., 30 ft E. and 3.0 ft higher than crossroad; cor. secs. 25, 30, 31 and 36, T. 91 N., Rs. 39 and 40 W.; 20 ft N. of witness sign; 1 ft W. of E. right-of-way fence; on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "14 T 1968 1394" 1393.754
- 17 13.1 UE; 46 ft S., 15 ft E. and 0.7 ft lower than T-rd. W., cor. secs. 19, 24, 25 and 30, T. 91 N., Rs. 39 and 40 W.; 3 ft concrete tube culvert (N. of 2), chiseled square, painted "UE" 1395.67
- 18 14.1 UE; 25 ft N., 63 ft E. and 7.2 ft lower than crossroad, cor. secs. 13, 18, 19 and 24, T. 91 N., Rs. 39 and 40 W.; 2.5 ft corrugated steel drive culvert; X-mark, painted "UE" 1406.65
- 19 15.1 Aurelia, 0.5 mi S. and 3.5 mi W. of; 415 ft S., 32 ft W. and 14.1 ft higher than crossroad, cor. secs. 7, 12, 13 and 18, T. 91 N., Rs. 39 and 40 W.; 8 ft N. of center of drive E. to house; 20 ft S. of witness sign; 1 ft E. of W. right-of-way fence; on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "13 T 1968 1405" 1404.655
- 20 15.2 UE; 25 ft N., 33 ft E. and 2.2 ft lower than crossroad, cor. secs. 1, 6, 7 and 12, T. 91 N., Rs. 39 and 40 W.; 2.5 ft concrete tube culvert; chiseled square, painted "UE" 1388.41
- 21 16.3 UE; 17 ft S., 30 ft E. and 1.0 ft lower than crossroad, cor. secs. 1, 6, 7 and 12, T. 91 N., Rs. 39 and 40 W.; 3.5 ft corrugated steel culvert; punch hole, painted "UE" 1352.63
- 22 17.2 UE; 14 ft N., 28 ft E. and 1.6 ft lower than T-rd. W. (drive E.), cor. secs. 31, 6, 36 and 1, Tps. 91 and 92 N., Rs. 39 and 40 W.; 2.5 ft corrugated steel culvert; punch hole; painted "UE" 1335.24
- 23 18.2 Reference mark; 240 ft SW. of tablet; 154 ft W., 23 ft S. of crossroad (Iowa Hwy. 3 E.-W.); 3 ft concrete tube culvert; chiseled square, painted "RM" 1380.18
- 24 18.2 Aurelia, 2.5 mi N. and 3.5 mi W. of; 187 ft N., 35 ft W. and 3.3 ft higher than crossroad (Iowa Hwy. 3 E.-W.), cor. secs. 25, 30, 31 and 36, T. 92 N., Rs. 39 and 40 W.; 55 ft N. of witness sign; 1 ft E. of W. right-of-way fence, on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "12 T 1968 1385" 1384.859

PAULLINA QUAD. - 230

- 26 19.8 UE; +1200 ft NW. along Iowa Hwy. 3 from T-rd. W., 18 ft NE. (right angle) center of hwy. at SE. end bridge over Little Sioux River; center E $\frac{1}{2}$ sec. 26, T. 92 N., R. 40 W.; center NE. wingwall; 1 ft SE. of abutment; chiseled square, painted "UE" 1186.56
- 27 20.8 1.9 mi NE. along the I. C. RR. from the station at Cherokee, Cherokee Co., 72 ft NW. of the center of State Hwy. 73, at a rd. crossing, 32 ft N. of the center of the rd., 43.9 ft SE. of the SE. rail, and 4 ft NW. of a cor. fence post; a standard disk, stamped "A 26 1934" and set in the top of a concrete post projecting 2 in. above ground 1220.716

LINE 2

FEET

J. H. Tyndale, 1968; Book CV-2324

AURELIA QUAD. - 206

- | | | | | |
|---|----|-----|---|----------|
| 7 | 1 | 0.0 | 4.25 mi W. along the Chicago & North Western RR. from Schaller, at the E. side of sec. 30, T. 89 N., R. 38 W., about 0.25 mi E. of MP 34, 40 yards W. of the center of the rd. along the E. side of sec. 30; 40 ft NE. of a fence cor., at 6 x 6 ft concrete underpass 1498; in the top of the SW. cor. of the S. headwall, and 10.8 ft S. of the S. rail; a standard disk stamped "1318.393 Z 13 1933" | 1318.393 |
| | 1 | 0.3 | UE; center of crossroad (Co. Hwy. D-15 E.-W.), cor. secs. 19, 20, 29 and 30; T. 89 N., R. 38 W.; copper nail and washer, painted "UE Centerline" | 1343.25 |
| | 2 | 1.4 | UE; 40 ft N., 90 ft W. and 4.3 ft lower than crossroad, cor. secs. 17, 18, 19 and 20, T. 89 N., R. 38 W., E. side power pole; rail spike, painted "UE" | 1355.63 |
| | 3 | 2.4 | UE; 30 ft N., 23 ft E., and 2.0 ft lower than crossroad, cor. secs. 7, 8, 17 and 18, T. 89 N., R. 38 W., 2.5 ft concrete tube culvert; chiseled square, painted "UE" | 1430.87 |
| | 4 | 3.4 | Galva, 2.75 mi N. and 2.5 mi E. of; near cor. secs. 5, 6, 7 and 8, T. 89 N., R. 38 W., 475 ft S. and 59 ft W. of crossroads; 130 ft S. and 59 ft W. of private driveway leading to the Don Gaboth residence; 11 ft S. and 2 ft E. of a fence cor., 1 ft W. of a metal witness signpost; on a 10 ft rod supported bench mark, a standard tablet stamped "49 T RESET 1971" (Reference mark-destroyed) | 1395.651 |
| | 6 | 4.6 | UE; 400 ft N., 27 ft W., and 3.3 ft lower than T-rd. E., cor. secs. 5, 6, 31 and 32, Ts. 89 and 90 N., R. 38 W., 5 x 5 ft concrete box culvert; center W. headwall; chiseled square, painted "UE" | 1354.21 |
| | 7 | 5.5 | UE; 25 ft S., 38 ft W., and 3.6 ft lower than crossroad, cor. secs. 29, 30, 31 and 32, T. 90 N., R. 38 W.; 3 ft concrete tube culvert; chiseled square, painted "UE" | 1373.00 |
| | 8 | 6.5 | Galva, 5.75 mi N. and 2.5 mi E. of; 188 ft S., 50 ft W., and 5.6 ft higher than crossroad, cor. secs. 19, 20, 29 and 30, T. 90 N., R. 38 W.; 10 ft S. of metal witness sign; 1 ft E. of W. right-of-way fence; on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "50 T 1968 1380" | 1379.782 |
| | 9 | 6.6 | Reference Mark, 168 ft N. of tablet; 20 ft S. and 40 ft W. of crossroad; 2.5 ft concrete tile culvert; chiseled square, painted "RM" | 1371.31 |
| | 10 | 7.6 | UE; center of crossroad (Co. Hwy. "L" E.-W.), cor. secs. 17, 18, 19 and 20, T. 90 N., R. 38 W.; copper nail and washer, painted "UE Centerline" | 1371.98 |
| | 11 | 8.7 | UE; 380 ft N., 12 ft E., and 8.1 ft lower than crossroad, cor. secs. 7, 8, 17 and 18, T. 90 N., R. 38 W., 4 x 4 ft concrete box culvert; center E. headwall; chiseled square, painted "UE" | 1380.78 |
| | 12 | 9.6 | Galva, 8.75 mi N. and 2.5 mi E. of; 179 ft S., 39 ft E. and 1.8 ft higher than crossroad (Co. Hwy. R E.-W.), cor. secs. 5, 6, 7 and 8, T. 90 N., R. 38 W., 125 ft S. of metal witness sign; 1 ft W. of E. right-of-way fence; on 7 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "51 T 1968 1422" | 1421.79 |
| | 13 | 9.6 | Reference Mark, 130 ft N. of tablet; 44 ft S. and 22 ft E. of crossroad; 2.5 ft concrete tile culvert; chiseled square, painted "RM" | 1418.34 |

LINE 2 (Cont'd)

FEET

AURELIA QUAD. - 206

- 7 14 10.7 UE; 240 ft N., 22 ft E., and 7.2 ft lower than crossroad, cor. secs. 5, 6, 31 and 32, Ts. 90 and 91 N., R. 38 W.; S. of 2 T-drives E.; 2 ft concrete tile culvert; S. end, chiseled square, painted "UE" 1454.70
- 15 11.7 Reference Mark, 213 ft E. of tablet; 41 ft N., 33 ft E. of crossroad, N. side power pole; rail spike, painted "RM" 1434.35
- 16 11.7 Alta, 0.75 mi S. and 3.25 mi W. of; 50 ft N., 180 ft W., and 5.4 ft lower than crossroad, cor. secs. 29, 30, 31 and 32, T. 91 N., R. 38 W.; 6 ft E. of metal witness sign; 1 ft S. of N. right-of-way fence; on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "52 T 1968 1430" 1430.026
- 17 12.7 UE; 44 ft N., 20 ft W., and 2.1 ft lower than crossroad, cor. secs. 19, 20, 29 and 30, T. 91 N., R. 38 W.; 2.5 ft concrete tile culvert; chiseled square, painted "UE" 1451.03
- 18 13.7 UE; center of crossroad, cor. secs. 17, 18, 19 and 20, T. 91 N., R. 38 W.; painted "UE Centerline" 1432.25
- 19 14.0 In Buena Vista Co., 3.6 mi NW. along the I. C. RR. from the station at Alta; 3.6 mi SE. of Aurelia, Cherokee Co., 73 ft NW. of the center of a rd. crossing; 35 ft W. of the center of the rd., 36.6 ft NE. of the NE. rail and 11.8 ft S. of the wooden snow fence; a standard USC&GS disk stamped "B 24 1934" and set in the top of a concrete post projecting 5 in. above ground 1441.483

LINE 3

J. H. Tyndale, 1968; Book CV-2324

AURELIA QUAD. - 206

- 8 1 0.0 "B 24 1934" (Described in Line 2) 1441.483
- 1 0.8 UE, center of crossroad (Co. Hwy. "C" N.-S.), cor. secs. 7, 8, 17 and 18, T. 91 N., R. 38 W.; $\frac{1}{2}$ in. bolt, painted square, painted "UE Centerline" 1447.16
- 2 1.8 UE; center of crossroad (Co. "C" N.-S.), cor. secs. 5, 6, 7 and 8, T. 91 N., R. 38 W., $\frac{1}{2}$ in. bolt inside painted square, painted "UE Centerline" 1391.42
- 3 2.7 Aurelia, 1.5 mi N. and 3.5 mi E. of; 385 ft S., 37 ft W., and 2.7 ft lower than crossroad (Co. Hwy. C N.-S.), cor. secs. 5, 6, 31 and 32, Ts. 91 and 92 N., R. 38 W.; 68 ft N. of jog in W. right-of-way fence, 7 ft NE. of metal witness sign; 1 ft E. of W. right-of-way fence; on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "53 T 1968 1418" 1417.827
- 4 2.8 Reference Mark, 368 ft N. of tablet; 17 ft S., 45 ft W. of crossroad, 3 ft concrete tile culvert; chiseled square, painted "RM" 1418.66
- 5 3.8 UE; center of crossroad (Iowa Hwy. 3 E.-W.; Co. Hwy. C N.-S.), cor. secs. 29, 30, 31 and 32, T. 92 N., R. 38 W., $\frac{1}{2}$ in. bolt in X-mark, painted square, painted "UE Centerline" 1390.16

PETERSON QUAD. - 229

- 6 4.8 UE; center of crossroad (Co. Hwy. C N.-S.); cor. secs. 19, 20, 29 and 30, T. 92 N., R. 38 W.; $\frac{1}{2}$ in. bolt in painted square, painted "UE Centerline" 1398.38
- 7 5.8 Reference Mark, 139 ft E. of tablet; 66 ft N., 42 ft W. of crossroad, (Co. Hwy. C N.-S.), S. side power pole; rail spike, painted "RM" 1428.05

LINE 3 (Cont'd)

FEET

PETERSON QUAD. - 229

7 8 5.8 Aurelia, 4.5 mi N. and 3.5 mi E. of; 34 ft N., 181 ft W., and 3.5 mi E. of; 34 ft N., 181 ft W., and 0.7 ft higher than crossroad (Co. Hwy. C N.-S.), cor. secs. 17, 18, 19 and 20, T. 92 N., R. 38 W.; 30 ft E. of metal witness sign and E. gate post; 1 ft S. of N. right-of-way fence; on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "54 T 1968 1430" 1429.883

LINE 4

J. H. Tyndale, 1968; Book CV-2324

SIOUX RAPIDS QUAD. - 228

9 25 18.1 Rembrandt, 5.25 mi S. and 4.5 mi W. of; 61 ft S., 176 ft W., and 2.7 ft lower than crossroad, cor. secs. 29, 30, 31 and 32, T. 92 N., R. 37 W. (Iowa Hwy. 3 E.-W.), 7 ft W. of metal witness sign; 1 ft N. of S. right-of-way fence; on 7.5 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "61 T 1968 1433" 1433.102

STORM LAKE QUAD. - 205

26 19.1 UE; center of crossroad (Co. Hwy. N.-S.), cor. secs. 5, 6, 31 and 32; Ts. 91 and 92 N., R. 37 W.; quarter in. bolt; painted "UE Centerline" 1416.10

27 20.1 UE; center of crossroad (co. paved hwy. N.-S.), cor. secs. 5, 6, 7 and 8; T. 91 N., R. 37 W., round-headed rivet; painted "UE centerline" 1406.09

28 21.1 Reference Mark, 98 ft N. of tablet; 143 ft S. and 30 ft W. of crossroad; 4 ft concrete tile culvert; chiseled square, painted "RM" 1404.03

29 21.2 Truesdale, 1.5 mi S. and 3.25 mi W. of; 241 ft S., 51 ft W., and 4.4 ft lower than crossroad, cor. secs. 7, 8, 17 and 18; T. 91 N., R. 37 W.; 8 ft N. of metal witness sign; 1 ft E. of W. right-of-way fence, on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "60 T 1968 1405" (erroneously stamped "1405") 1402.356

30 22.1 UE; center of crossroad, cor. secs. 17, 18, 19 and 20, T. 91 N., R. 37 W.; round-headed rivet; painted "UE Centerline" 1426.44

31 23.1 UE; center of crossroad; cor. secs. 19, 20, 29 and 30; T. 91 N., R. 37 W.; round-headed rivet, painted "UE Centerline" 1451.23

32 24.1 UE; center of T-rd. E., cor. secs. 29, 30, 31 and 32, T. 91 N., R. 37 W.; round-headed rivet, painted "UE Centerline" 1440.41

33 24.4 UE; center of crossroad (Iowa Hwy. 5 E.-W.), near N. sixteenth cor. secs. 31 and 32, T. 91 N., R. 37 W., $\frac{1}{2}$ in. rebar; painted "UE Centerline" 1425.21

34 25.5 UE; center of crossroad (Iowa Hwy. 5 E.-W.; 110 S.), near W. limits Storm Lake, near S. sixteenth cor. secs. 32 and 33, T. 91 N., R. 37 W.; copper nail and washer, painted "UE Centerline" 1443.52

35 26.6 At Storm Lake, 0.6 mi NW. of the I. C. RR. station, 200 ft SE. of MP 429, 41 yards SW. of the center of State Hwy. 5, 47 ft SW. of the center of a rd. crossing, and 27.9 ft SW. of the SW. rail; a standard USCGS disk stamped "V 23 1934" and set in the top of a concrete post projecting 5 in. above ground 1438.478

LINE 5

FEET

STORM LAKE QUAD. - 205

K.E. Daly, 1974; Book CV-3132

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|----|-----|--|---|----------|
| 1 | 5 | 0.6 | BM, at Storm Lake, 0.6 mi NW. of the Illinois Central RR. station, 200 ft SE. of milepost 429, 41 yards SW. of the centerline of State Hwy. 5, 47 ft SW. of the center of a road crossing, and 27.9 ft SW. of the SW. rail, a standard USCGS disk stamped "V 23 1934" and set in the top of a concrete post projecting 5-in. above ground | 1438.478 |
| 5 | 1.1 | UE V 23 A, 1 mi W. of disk along State Hwy. 110 at Hwy. N. at W. edge of town, 26 ft S., 17 ft E. and 0.3 ft lower than hwy. at hwy. N.; top of NW. cor. of concrete storm drain intake in E. curbing of street, chiseled square | | 1407.20 |
| 7 | 1.8 | UE V 23 B, 1.8 mi W. and S. along State Hwy. 110 from disk at bridge across stream connecting Storm Lake and Little Storm Lake; 18 ft E. and 0.5 ft higher than road at bridge, in the base at NE. cor. of E. concrete railing of bridge, a 1-in. brass disk stamped "I. H.C. BM" | | 1405.641 |
| 9 | 2.5 | Reference mark, is 61 ft W. of tablet; 29 ft W. of centerline of road center of W. headwall of 13 ft concrete box culvert; a 1-in. brass Iowa Hwy. Commission disk, not stamped | | 1407.82 |
| 10 | 2.6 | Storm Lake, 1.2 mi S. and 1.5 mi W. of, along State Hwy. 110 at a drain; near center of sec. 8, T. 90 N., R. 37 W., 410 ft N., 32 ft E. and 0.4 ft lower than hwy. at road E. leading to lake; N. end of E. headwall of 12 ft concrete box culvert, a standard tablet stamped "1 KED 1974" | | 1407.362 |
| 12 | 3.0 | UE 1 A Centerline, 0.4 mi S. of tablet at road W., centerline hwy. at road W.; painted circle | | 1438.62 |
| 14 | 4.1 | UE 1 B, at Storm Lake airport near quarter cor. between secs. 17 and 20, T. 90 N., R. 37 W., on the E. side of concrete base of flag pole at airport office, a chiseled square | | 1473.08 |

AURELIA QUAD. - 206

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|----|-----|--|--|----------|
| 16 | 4.7 | UE 1 C, 1.5 mi S. and 0.5 mi W. of tablet along State Hwy. 110, 50 ft S., 31 ft W. and 0.9 ft lower than hwy. at N.-S. road, top of iron rod centered in a 3.5-in. x 3.5-in. concrete right-of-way post projecting 4-in. | | 1488.97 |
| 18 | 5.7 | Reference mark is 430 ft N. of tablet, 19 ft N. and 28 ft W. of road at driveway W. to house; N. end of 1.5 ft round concrete culvert, chiseled square | | 1427.28 |
| 19 | 5.8 | Storm Lake, 3.5 mi S. and 2 mi W. of; near cor. secs. 19, 20, 29 and 30; T. 90 N., R. 37 W., 410 ft S. of road at driveway W. to farm house and 21 ft W. of centerline of road; S. end of W. headwall of 5 ft concrete box culvert; a standard tablet stamped "2 KED 1974" | | 1421.656 |
| 21 | 6.7 | UE 2 A, 0.9 mi S. of tablet at crossroads; 19 ft S., 38 ft E., and 2.1 ft lower than crossroads S. end of 2 ft metal culvert; punched hole in painted square | | 1387.06 |
| 23 | 7.7 | Reference mark, is 75 ft E. of tablet, 14 ft S. and 43 ft E. of T-rd. E., center of S. headwall of 3.5 ft concrete box culvert; chiseled square | | 1366.61 |
| 24 | 7.7 | Schaller, 4.2 mi N. and 2.2 mi E. of; near cor. secs. 31, 32, 5 and 6; T. 89 and 90 N., R. 37 W., 14 ft S., 33 ft W. and 1.7 ft lower than T-rd. E., W. end of L-shaped S. headwall of concrete box culvert, a standard tablet stamped "3 KED 1974" | | 1366.674 |
| 26 | 8.7 | UE 3 A, 1 mi S. of tablet, at crossroads, 35 ft S., 23 ft E. and 4.2 ft lower than crossroads, E. end of 2 ft concrete pipe culvert, chiseled square | | 1373.90 |

8
42-095-13
AURELIA QUADRANGLE
206 - IOWA

LINE 5 (Cont'd)

AURELIA QUAD. - 206

FEET

1	28	9.7	UE 3 B, 2 mi S. of tablet at crossroads; 32 ft S., 50 ft E., 2.7 ft lower than crossroads; 1 ft E. of fence corner, top of 0.75 in. pipe projecting 7-in.	1400.65
29	10.6		Reference mark is 35.5 ft W. of tablet, 18 ft W. of centerline of road, 2 ft N. of S. end of W. headwall of 14 ft concrete box culvert, head of bolt, set in culvert	1378.98
30	10.6		Schaller, 1.2 mi N. and 2.2 mi E. of, approx. 0.1 mi N. of cor. secs. 17, 18, 19 and 20, T. 89 N., R. 37 W.; 560 ft N., 18 ft E. and 11.4 ft lower than hwy. at N.-S. road; center of N. end of E. headwall of 14 ft concrete box culvert, a standard tablet stamped "4 KED 1974"	1378.941
33	11.8		UE 4 A, 1.1 mi S. of tablet at crossroads, 26 ft N., 28 ft E. and 1.2 ft lower than crossroads; N. end of 2.4 ft concrete pipe culvert; chiseled square	1403.71
36	12.9		UE 4 B, 1 mi S. and 1 mi W. of tablet, 26 ft N., 260 ft W. and 8.5 ft lower than crossroads; E. end of 1.5 ft round concrete pipe culvert under driveway N.; chiseled square	1423.47
38	13.8		UE 4 C Centerline, 1.1 mi S. and 2 mi W. of tablet, at NE. edge of Schaller centerline of State Hwy. 110 at E.-W. road	1389.6
39	14.3		At Schaller, 131 ft W. of the W. end of the Chicago and North Western RR. station, 67.3 ft NE. of the NE. cor. of a grain elevator, 20.5 ft S. of the centerline of the main track, and 15.2 ft W. of the W. curb line of a paved street, a standard USC&GS disk, stamped "1396.690 Y 13 1933" and set in the top of a concrete post	1396.690