

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

Adair and Cass Counties

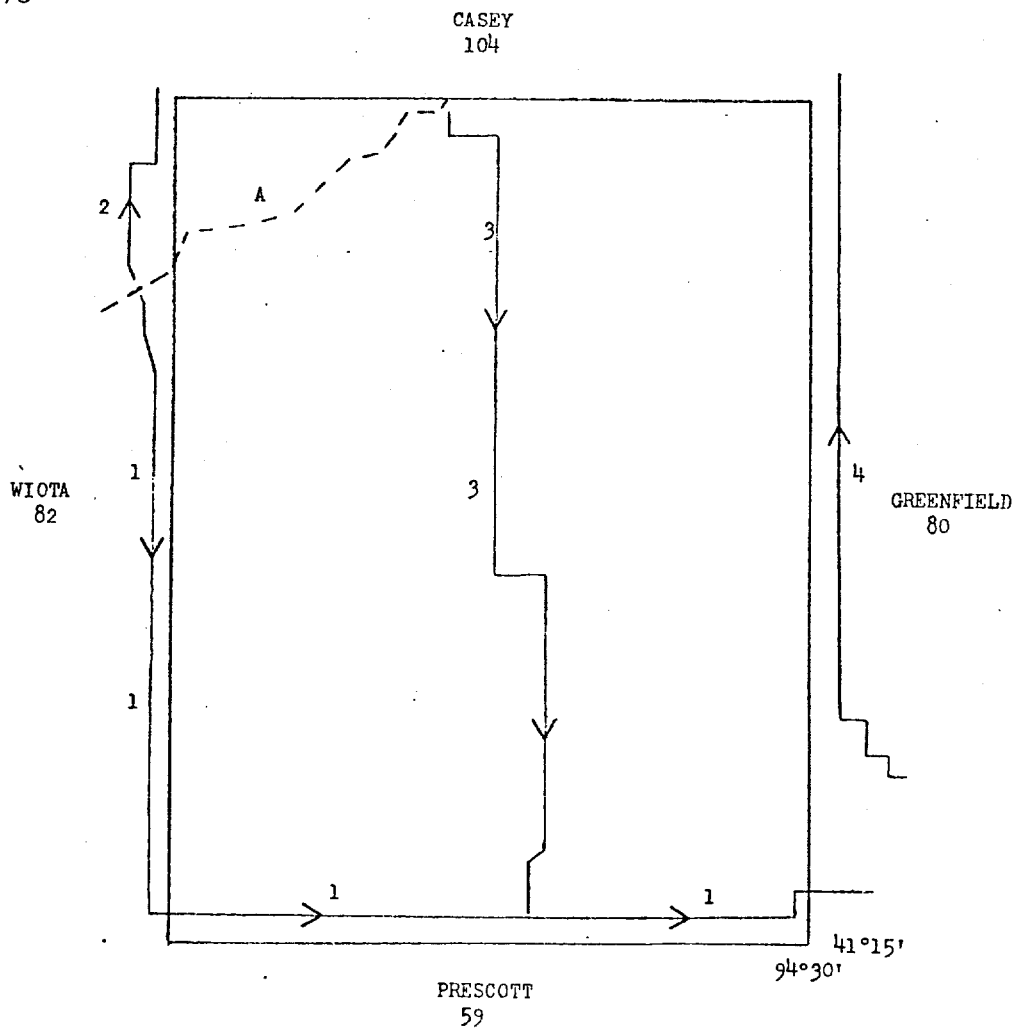
FINAL ADJUSTMENT OF 1969

Edition of 8/22/69

PR:AKH/MK/gh

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FONTANELLE QUADRANGLE
81 - IOWA
N4115-W9430/15
DIAGRAM NO. NK 15-7
OMAHA



USC&GS VERTICAL CONTROL DATA
Quadrangle 410943
A. Line No. 19

81 C

LINE 1

FEET

P. J. Hohenberger, 1968; Book CV 2338

WIOTA QUAD. - 82

- | | | |
|---------|--|----------|
| 2 9 0.0 | At Anita, 0.3 mi NE. along U. S. Hwy. 6 from the post office, on the side of a hill, 44 ft SE. of the center of the hwy., 150 ft NE. of a hwy. culvert, 27 ft E. of a 36-in. elm tree, 1.2 ft NW. of a fence, 2.3 ft NE. of a witness post, set in the top of a concrete post which projects 0.3 ft above the ground; USC&GS standard disk stamped "S 163 1950" | 1263.741 |
| 10 0.7 | UE S 163 A, about 0.15 mi S. along State Hwy. 148 from jct. with U. S. Hwy. 6 at Anita, Cass County, at a long concrete bridge across upper end of Turkey Creek, 13 ft E. and 1.0 ft higher than rd., near NW. corner of N. end of walkway; an iron bolt stamped "I.H.C. B.M." (elev. by USGS) | 1260.94 |
| 11 1.4 | UE S 163 B, about 0.95 mi S. along State Hwy. 148 from jct. with U. S. Hwy. 6 at Anita, Cass County 137.5 ft S., 34 ft E. and 9.9 ft lower than T-drive W. to State Park, ontop, in center of a large concrete culvert; an iron bolt stamped "I.H.C. B.M." (elev. by USGS) | 1299.47 |
| 12 2.4 | Reference mark, 117 ft N. of B.M., 54 ft W. of rd., on top of W. end of a 2.0-ft cement pipe culvert; a chiseled square | 1396.07 |
| 13 2.4 | Anita, Cass County, 1.95 mi S. along State Hwy. 148 from jct. with U. S. Hwy. 6 at; Tps. 76 and 77 N., R. 34 W., near cor. secs. 3, 4, 33 and 34, 289 ft N., 67 ft W. and 7.5 ft higher than T-rd. E., 5.0 ft S. and 7.0 ft W. of a power pole, painted "B.M.", 1.0 ft E. of a right-of-way fence, 4.0 ft N. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "15 PJH 1968" | 1400.591 |
| 13 3.5 | UE 15 PJH A, about 1.0 mi S. along State Hwy. 148 (gravel) from B.M., 41 ft N., 21 ft E. and 0.7 ft lower than T-rd. E., on top, in center of a concrete box culvert; an iron bolt stamped "I.H.C. B.M." (elev. by USGS) | 1397.77 |
| 14 4.6 | UE 15 PJH B, about 2.0 mi S. along State Hwy. 148 (gravel) from B.M., 400 ft S., 35 ft W. and 11.6 ft lower than crossroads, on top of W. end of a 2.5-ft cement pipe culvert; a chiseled square | 1394.98 |
| 15 5.5 | Anita, Cass County, 4.95 mi S. along State Hwy. 148 (gravel) from jct. with U. S. Hwy. 6 at; T. 76 N., R. 34 W., near cor. secs. 15, 16, 21 and 22, 215 ft N., 61 ft E. and 2.9 ft higher than T-rd. E., at offset crossroads; 106.5 ft N. and 19.5 ft W. of NW. corner of a church, 73.5 ft N. and 8.0 ft E. of a 4.0 ft (diameter) yellow pine tree, 32 ft N. of a power pole painted "B.M.", 5.0 ft N. and 1.5 ft W. of a T-fence N., 3.0 ft S. of a witness sign; a standard tablet stamped "16 PJH 1968" and crimped to the top of a copper rod | 1384.999 |
| 16 5.5 | Reference mark, about 0.2 mi S. of B.M., 22.5 ft W. of rd., on top, in center of a concrete box culvert; an iron bolt stamped "I.H.C. B.M." | 1357.97 |
| 16 6.4 | UE 16 PJH A, about 1.0 mi S. along State Hwy. 148 (gravel) from B.M., 237 ft N., 13 ft W. and 0.3 ft higher than crossroads, on top, in center of SW. wingwall of a concrete bridge; a chiseled cross | 1294.97 |
| 17 7.5 | UE 16 PJH B, about 2.0 mi S. along State Hwy. 148 (gravel) from B.M., at center of T-rd. E. | 1371.55 |
| 18 7.8 | UE 16 PJH C, about 2.3 mi S. along State Hwy. 148 (gravel) from B.M., 24 ft W. of rd., on top, in center of W. headwall of a concrete box culvert; an iron bolt stamped "I.H.C. B.M." (elev. by USGS) | 1330.09 |
| 19 8.2 | Reference mark, 0.35 mi N. of B.M., 13 ft W. of rd., on top, in center of SW. wingwall of a concrete bridge; a chiseled cross | 1291.61 |

LINE 1 (Cont'd)

WIOTA QUAD. - 82

FEET

- 2 20 8.2 Anita, Cass County, 8.0 mi S. along State Hwy. 148 from jct. with U. S. Hwy. 6 at; T. 75 N., R. 34 W., at NE. cor. sec. 4, 420 ft S., 63 ft W. and 4.0 ft lower than crossroads, 135 ft N. and 14 ft W. of center of W. headwall of a concrete box culvert; 6.5 ft S. of a power pole painted "B.M.", 3.0 ft N. of a witness sign, 1.5 ft E. of a right-of-way fence; a standard tablet crimped to the top of a copper rod stamped "17 PJH 1968" 1317.454
- 21 9.5 UE 17 PJH A, about 0.85 mi S. along State Hwy. 148 (gravel) from B.M., 450 ft N., 24 ft E. and 12.5 ft lower than crossroads, on top, in center of E. headwall of a large concrete box culvert; an iron bolt stamped "I.H.C. B.M." (elev. by USGS) 1315.57
- 22 10.3 UE 17 PJH B, about 1.7 mi S. along State Hwy. 148 (gravel) from B.M., 21 ft W. and 0.1 ft higher than rd. on top, in center of W. headwall (10.0 ft in length) of a concrete culvert; an iron bolt stamped "I.H.C. B.M." (elev. by USGS) 1307.06
- 23 11.1 UE 17 PJH C, about 2.45 mi S. along State Hwy. 148 (gravel) from B.M., 26 ft W. and 2.3 ft lower than rd., on top, in center of W. headwall of a concrete box culvert; an iron bolt stamped "I.H.C. B.M." (elev. by USGS) 1351.93
- 24 11.5 Anita, Cass County, 11.0 mi S. along State Hwy. 148 from jct. with U. S. Hwy. 6 at; T. 75 N., R. 34 W., at SE. cor. sec. 16, 244 ft N., 46.5 ft W. and 0.9 ft lower than crossroads, 209 ft N. and 1.5 ft E. of a right-of-way fence corner N.-W., 10.5 ft S. of a power pole, painted "B.M." 3.0 ft N. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "18 PJH 1968" 1379.235
- 25 12.5 UE 18 PJH A, about 1.0 mi S. along State Hwy. 148 (gravel) from B.M., 350 ft N., 23 ft W. and 5.4 ft lower than T-rd. W., on top, in center of W. headwall (13.0 ft in length) of a concrete culvert; an iron bolt stamped "I.H.C. B.M." 1253.99
- 26 13.6 UE 18 PJH B, about 2.0 mi S. along State Hwy. 148 (gravel) from B.M., 71 ft N., 100 ft E. and 4.7 ft lower than crossroads (chiseled cross at intersection of 148 and 92) on top, in center of N. headwall of a concrete box culvert; an iron bolt stamped "I.H.C. B.M." (elev. by USGS) 1311.67

FONTANELLE QUAD. - 81

- 27 14.5 Greenfield, Adair County, 15.9 mi W. along State Hwy. 92 from jct. with State Hwy. 25 at; T. 75 N., R. 34 W., at NE. cor. sec. 34, 94 ft S., 197.5 ft W. and 7.2 ft higher than crossroads, 9.0 ft S. and 118.5 ft W. of a power pole, painted "B.M.", 15 ft SE. and 1.5 ft NE. of a right-of-way fence corner W.-SE., 2.5 ft NW. of a witness sign; a standard tablet crimped to the top of a copper rod; stamped "19 PJH 1968" 1309.374
- 28 14.5 Reference mark, at center of crossroads, denoting section corner; top of lead pipe and chiseled cross 1302.20
- 28 15.3 UE 19 PJH A, about 0.85 mi E. along State Hwy. 92 from; 16 ft S. and 0.8 ft higher than rd., on top, near center of curve in base of SW. wingwall of a long concrete bridge; a chiseled square 1239.12
- 29 15.7 UE 19 PJH B, about 1.2 mi E. along State Hwy. 92 from B.M., 33 ft S., 450 ft W. and 21.2 ft lower than T-rd. N., on top, in center of a concrete box culvert; an iron bolt stamped "I.H.C. B.M." 1267.84
- 30 16.6 UE 19 PJH C, about 2.0 mi E. along State Hwy. 92 from B.M., 42 ft N., 47 ft W. and 4.8 ft lower than T-rd. N., on top, in center of N. headwall of a concrete box culvert; an iron bolt stamped "I.H.C. B.M." 1321.07
- 31 17.4 Reference mark, 0.2 mi W. of B.M., at a concrete bridge, 16 ft S. of hwy., on top of NE. end of SW. wingwall; a chiseled square 1219.75

LINE 1 (Cont'd)

FONTANELLE QUAD. - 81

FEET

- 2 32 17.4 Greenfield, Adair County, 12.9 mi W. along State Hwy. 92 from jct. with State Hwy. 25 at; T. 75 N., R. 33 W., at SE. cor. sec. 30, 85.5 ft N., 65 ft W. and 3.0 ft lower than crossroads, 17 ft N. and 4.0 ft W. of a power pole, 40.5 ft SW. of a fence corner N.-SW., 40 ft NE. of a fence corner NE. and W., 2.0 ft SE. of a fence, 2.5 ft NE. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "20 PJH 1968" 1260.558
- 33 18.6 UE 20 PJH A, about 0.95 mi E. along State Hwy. 92 from B.M., 48 ft N., 360 ft W. and 21.8 ft lower than T-rd. N., on top, in center of a concrete box culvert; an iron hex-head bolt 1264.55
- 34 19.4 UE 20 PJH B, about 1.8 mi E. along State Hwy. 92 from B.M., 25 ft N. and 1.0 ft lower than hwy., on top, in center of N. headwall (13 ft in length) of a concrete culvert; a brass plug stamped "I.H.C. B.M." (elev. by USGS) 1184.11
- 35 19.6 UE 20 PJH C, about 2.0 mi E. along State Hwy. 92 from B.M., at center of crossroads, denoting section corner; a chiseled cross 1181.18
- 35 19.9 UE 20 PJH D, about 2.3 mi E. along State Hwy. 92 from B.M., at a long concrete bridge, 15 ft S. and 0.6 ft higher than hwy., 0.5 ft N. of steel railing, at E. end of S. concrete walkway; a brass plus stamped "I.H.C. B.M." (elev. by USGS) 1184.98
- 36 20.3 Greenfield, Adair County, 10.4 mi W. along State Hwy. 92 from jct. with State Hwy. 25 at; thence 0.2 mi S. and E. along gravel rd. to grade crossing; T. 75 N., R. 33 W., near quarter cor. between secs. 27 and 34, 60 ft N. and 3.096 ft lower than W. rail at center of E.-W. gravel rd., 42.5 ft NW. of W. rail, 34 ft N. and 2.5 ft E. of a power pole, painted "B.M.", 13 ft NE. of center of wire gate, 1.5 ft SE. of a RR. right-of-way fence, 2.5 ft NE. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "21 PJH 1968" 1224.819
- 37 20.9 UE 21 PJH A, about 0.6 mi E. along gravel rd. from B.M. 23 ft N., 13 ft E. and 0.7 ft lower than rd. at drive N. to farm buildings, on top of E. end of a 2.0-ft cement pipe culvert; a chiseled square 1309.05
- 38 21.6 UE 21 PJH B, about 1.2 mi E. along gravel rd. from B.M., 29 ft S. and 4.5 ft lower than rd., on top of S. end of a 6.0 ft cement pipe culvert; a chiseled square 1275.36
- 39 21.9 UE 21 PJH C, about 1.55 mi E. along gravel rd. from B.M., 28 ft N., 21 ft W. and 2.2 ft lower than crossroads, on top of W. end of a 2.0-ft cement pipe culvert; a chiseled square 1334.73
- 40 22.7 UE 21 PJH D, about 2.35 mi E. along gravel rd. from B.M., at a small steel and concrete bridge, 11 ft S., 250 ft E. and 5.8 ft lower than crossroads, on top of W. end of S. concrete curb; a chiseled square 1218.68
- 41 23.2 UE 21 PJH E, about 2.75 mi E. along gravel rd. from B.M., 15 ft N. and 0.2 ft lower than rd., on top, in center of N. headwall (9.5 ft in length) of a concrete culvert; a chiseled square 1221.70
- 42 23.6 Greenfield, Adair County, 3.1 mi S. and 6.0 mi W. of the jct. of State Hwys. 92 and 25 at; T. 75 N., R. 32 W., at the NE. cor. sec. 31, 32 ft S., 118 ft W. and 4.2 ft higher than crossroads, 22 ft E. of a field entrance, 1.5 ft N. and 66 ft W. of a right-of-way fence corner S.-W., 6.0 ft E. of a power pole, painted "B.M.", 2.5 ft W. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "22 PJH 1968" 1271.675

<u>LINE 1 (Cont'd)</u>		<u>FONTANELLE QUAD. - 81</u>	<u>FEET</u>
2 43	23.6	Reference mark, 310 ft ENE. of B.M., 13 ft N. of rd., on top, in center of N. headwall of a concrete culvert; a chiseled square	1254.74
43	24.2	UE 22 PJH A, about 0.5 mi E. from B.M., along gravel rd., 28 ft S., 25 ft E. and 2.4 ft lower than crossroads, on top of E. end of a 2.0-ft corrugated pipe culvert; a punch mark and painted square	1278.93
44	24.7	UE 22 PJH B, about 1.05 mi E. along gravel rd. from B.M., 23 ft S., 37 ft W. and 1.3 ft higher than rd. at drive S. to farmhouse, at the top of a hill, in N. root of 2nd cedar tree W. of drive and projecting about 0.2 ft; a copper nail and washer	1289.31
45	25.0	UE 22 PJH C, about 1.4 mi E. along gravel rd. from B.M., at center of a large steel and wooden bridge	1203.29
46	25.7	UE 22 PJH D, about 2.1 mi E. along gravel and dirt rds. from B.M., 14 ft S., 330 ft E. and 1.0 ft lower than crossroads, near SW. cor. of a wooden bridge, in top of a wooden piling projecting 4.5 ft; a copper nail and washer	1212.91
47	26.7	Greenfield, Adair County, 3.1 mi S. and 3.0 mi W. of the jct. of State Hwys. 92 and 25 at; T. 75 N., R. 32 W., at SE. cor. sec. 27, 118 ft N., 31 ft W. and 5.9 ft lower than T-rd. W., 90 ft N. and 1.5 ft E. of a fence corner N. and W., 19 ft S. and 1.5 ft E. of a fence corner S. and W., 45 ft S. of a drive W. to farmhouse, 2.0 ft N. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "23 PJH 1968"	1325.886
48	26.7	Reference mark, 72 ft N. of B.M., 32 ft W. of rd., near SE. cor. of farmyard, 1.5 ft S. and 5.5 ft E. of a 2.5 ft diameter pin oak tree, in root projecting 0.1 ft; a copper nail and washer	1330.99
48	27.2	UE 23 PJH A, about 0.5 mi N. along gravel rd. from B.M., 96 ft S., 18 ft E. and 5.9 ft lower than crossroads, on top, in center of a concrete box culvert; a chiseled square	1302.51
49	28.2	UE 23 PJH B, about 0.5 mi N., thence 1.0 mi E. along gravel rd. from B.M., 19 ft N., 28 ft W. and 2.6 ft lower than T-rd. S., on top of N. end of a 2.5 ft corrugated pipe culvert; a punch mark and painted square	1320.24

GREENFIELD QUAD. - 80

50	29.3	Greenfield, Adair County, 2.8 mi S. along the Chicago, Burlington & Quincy RR. from the station at; 10 poles NW. of milepost 18, at a rd. crossing, 44 ft N. of the center of the track, 34 ft E. of the center of the rd., 6 ft S. of a fence corner and level with the track; USC&GS standard disk stamped "Y 103 1935" and set in the top of a concrete post	1388.803
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LINE 2

<u>P. J. Hohenberger, 1968; Book CV 2338</u>		<u>WIOTA QUAD. - 82</u>	
2 63	0.0	At Anita, at the intersection of U. S. Hwy. 6 and Walnut Street, at the E. corner of the city park, 23 ft SW. of the SW. curb of Walnut St., 15.6 ft NW. of the NW. curb of the hwy., 1.5 ft above the ground, set in the top of the W. corner of a concrete flagpole base; USC&GS standard disk stamped "U 163 1950"	1268.373
63	0.7	UE U 163 A, at Anita, Cass County, 20 ft N., 25 ft W. and about level with T-rd. W. (Tenth and Locust Streets) on top of N. end of a 3.0 ft cement pipe culvert; a chiseled square	1345.15
64	1.6	UE U 163 B, about 1.5 mi N. along County Rd. "J" (Locust Street) from jct. with U. S. Hwy. 6 at Anita, Cass County, 1000 ft S. of a farmhouse W. of rd., 25 ft E. and 5.1 ft lower than rd., on top of E. end of a 2.0 ft corrugated pipe culvert; a punch mark and painted square	1397.41

LINE 2 (Cont'd)

WIOTA QUAD. - 82

FEET

- 2 65 2.7 Reference mark, 290 ft SW. of B.M., 106 ft S. and 37 ft E. of a T-rd. S.,
on top of E. end of a 2.5-ft cement pipe culvert; a chiseled square 1448.73
- 66 2.7 Anita, Cass County, 2.4 mi N. and 0.3 mi W. of center of; T. 77 N., R. 34
W., at the center of sec. 9, 44 ft N., 255 ft E. and 3.9 ft higher than T-rd.
S., 25 ft W. of a drive N. to farmhouse, 1.5 ft S. and 76 ft E. of a T-fence
N., 11.5 ft NW. of a power pole, painted "B.M.," 81.5 ft SW. of SW. corner
of farmhouse, 6.5 ft WNW. of elm tree; a standard tablet crimped to the top
of a copper rod stamped "30 PJH 1968" 1455.432
- 66 3.2 UE 30 PJH A, about 0.5 mi E. along paved rd. from B.M., 30 ft N., 67 ft W.
and 0.9 ft lower than crossroads, on top of NW. end of a 5.0-ft corrugated
pipe culvert; a punch mark and painted square 1348.43

LINE 3

P. J. Hohenberger, 1969; Book CV 2338

CASEY QUAD. - 104

- 3 3 0.0 Reference mark 2 for USC&GS Triangulation Station ZOOK 1934; SE. of the
station, 18 ft E. of the center of Hwy. 6; 10 ft W. of a small barn; 95
ft NE. of the NE. corner of the parish house, set flush 1468.727
- 3 0.7 UE ZOOK A, about 0.45 mi S. along paved rd. from the water tower at Adair,
Adair County, at rd. overpass across Interstate 80, 15 ft W. and 0.6 ft
higher than rd., on top of N. end of W. concrete curb; a chiseled square 1460.37

FONTANELLE QUAD. - 81

- 4 1.0 UE ZOOK B, about 0.7 mi S. along paved rd. from water tower at Adair,
T. 77 N., R. 33 W., at cor. secs. 3, 4, 9 and 10, at center of T-rd. E.;
a copper nail and washer 1407.04
- 5 1.6 UE ZOOK C, about 0.7 mi S. along paved rd. from the water tower at Adair,
thence 0.5 mi E. along gravel rd., 7.0 ft N. and 15 ft W. of NW. corner
of concrete block bldg., just N. of a microwave tower, at NW. corner of a
rectangular shaped, concrete base for trap door; a chiseled square 1456.44
- 6 2.1 UE ZOOK D, about 0.7 mi S. along paved rd. from water tower at Adair,
thence 1.0 mi E. along gravel rd., 390 ft S., 14 ft W. and 16.2 ft lower
than crossroads, on top, in center of W. headwall of a concrete box culvert;
a chiseled square 1370.71
- 7 3.0 Reference mark, 161 ft N. of B.M., 28 ft S. and 17 ft W. of crossroads, on top,
in center of W. end of a small box culvert; a chiseled square 1425.60
- 8 3.0 Adair, Adair County, 1.6 mi S. and 1.0 mi E. of; T. 77 N., R. 33 W., at
NE. cor. sec. 15, 187.5 ft S., 35 ft W. and 7.2 ft higher than crossroads,
42.5 ft S. and 97.5 ft E. of SE. corner of farmhouse, 17 ft S. of a 3.5-ft
diameter oak tree, 12 ft S. and 1.0 ft E. of a T-fence W., 2.0 ft N. of a
witness sign; a standard tablet crimped to the top of a copper rod stamped "
"24 PJH 1968" 1434.437
- 8 4.0 UE 24 PJH A, about 1.0 mi S. along gravel rd. from B.M., 21 ft N., 74 ft E.
and 5.6 ft lower than crossroads, on top, in center of a concrete box culvert;
a chiseled square 1357.68
- 9 5.0 UE 24 PJH B, about 2.0 mi S. along gravel rd. from B.M., 225 ft N., 12 ft E.
and 1.0 ft lower than crossroads, on top, in center of E. headwall of a
concrete box culvert; a chiseled square 1326.83
- 10 5.7 Adair, Adair County, 4.35 mi S. and 1.0 mi E. of, T. 77 N., R. 33 W., at the
S. sixteenth cor. between secs. 26 and 27, at the top of a hill, 421 ft S.
of a drive E., to farmhouse, 262.5 ft N., 34 ft W. and 4.1 ft lower than rd.
at field entrance W., 5.5 ft S. of a power pole painted "B.M.", 1.0 ft
W. of a right-of-way fence, 2.0 ft N. of a witness sign; a standard tablet
crimped to the top of a copper rod stamped "25 PJH 1968" 1351.306

LINE 3 (Cont'd)

FONTANELLE QUAD. - 81

FEET

- 3 11 6.0 UE 25 PJH A, about 0.3 mi S. along gravel rd. from B.M., 19 ft N., 25 ft W. and 0.9 ft lower than T-rd. E., on top of N. end of a 3.5-ft cement pipe culvert; a chiseled square 1295.00
- 12 6.7 UE 25 PJH B, about 0.95 mi S. along gravel rd. from B.M., about 500 ft N. of a farmhouse E. of rd., 16 ft E. and 0.4 ft lower than rd., on top, in center of E. wooden headwall of a wooden culvert; a copper nail and washer 1328.08
- 13 7.1 UE 25 PJH C, about 1.3 mi S. along gravel rd. from B.M., 22 ft N., 236 ft E. and 9.5 ft lower than crossroads, on top, in center of N. headwall of a concrete culvert; a chiseled square 1359.61
- 14 8.0 UE 25 PJH D, about 2.3 mi S. along gravel rd. from B.M., 269 ft N., 18 ft E. and 10.9 ft lower than crossroads, on top of E. end of a 2.0 ft cement pipe culvert; a chiseled square 1367.51
- 16 9.1 Adair, Adair County, 7.65 mi S. and 1.0 mi E. of; T. 76 N., R. 33 W., at the SE. cor. sec. 10, 276 ft N., 33 ft W. and 1.3 ft higher than T-rd. N., 114 ft N. of center of gate, 241 ft N. and 1.0 ft E. of a fence corner N. and W., 6.5 ft S. and 2.0 ft E. of a power pole painted "B.M.", 3.5 ft N. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "26 PJH 1968" 1336.472
- 17 9.1 Reference mark, 300 ft SW. of B.M., 17 ft N. and 192.5 ft W. of T-rd. N., on top, in center of N. headwall of a concrete box culvert; a chiseled square 1326.72
- 17 10.2 UE 26 PJH A, about 1.0 mi due S. of B.M., via cross country, T. 76 N., R. 33 W., near cor. secs. 14, 15, 22 and 23, 425 ft E. of a T-rd. S., 20 ft N., 10 ft E. and 2.0 ft lower than center of a wooden bridge, in top of a cut-off power pole used as a bridge piling and projecting 3.5 ft above ground; a copper nail and washer 1256.34
- 18 10.7 UE 26 PJH B, about 1.4 mi due S. from rd., T. 76 N., R. 33 W., near quarter cor. between secs. 22 and 23, 25 ft N., 12 ft W. and 0.5 ft lower than center of a steel and wooden bridge, on top of W. end of wooden beam; a copper nail and washer 1247.72
- 19 11.3 UE 26 PJH C, about 2.0 mi due S. from B.M., via cross country and dirt rd., T. 76 N., R. 33 W., near cor. secs. 22, 23, 26 and 27, 19 ft N., 95 ft W. and 0.7 ft lower than T-rd. N., at NE. corner of wooden and steel bridge, on top, in center of a circular wooden piling projecting 4.0 ft above ground; a rail spike set flush with top 1240.68
- 20 11.8 UE 26 PJH D, about 2.0 mi S. and 0.5 mi E. of B.M., T. 76 N., R. 33 W., near quarter cor. between secs. 23 and 26, about 0.1 mi W. of a farmhouse S. of rd. at top of hill, 26 ft S., 11 ft W. and 3.3 ft lower than rd. at field entrance S., on top of W. end of a 2.0-ft cement pipe culvert; a chiseled square 1313.08
- 21 12.3 Fontanelle, Adair County, 4.8 mi N. and 2.3 mi W. of; T. 76 N., R. 33 W., near cor. secs. 23, 24, 25 and 26, 275 ft S., 37.5 ft E. and 9.0 ft higher than T-rd. W., 272 ft S. and 1.0 ft W. of a T-fence E., 6.0 ft S. and 6.5 ft E. of a power pole painted "B.M.", 2.5 ft N. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "27 PJH 1968" 1361.057
- 22 13.0 UE 27 PJH A, about 0.7 mi S. along gravel rd. from B.M., 14.0 ft E. and 0.8 ft higher than rd., on top, in center of E. headwall of a concrete culvert; a chiseled square 1302.17
- 23 13.3 UE 27 PJH B, about 1.0 mi S. along gravel rd. from B.M., at center of T-rd. W. (gravel) 1339.06
- 23 13.5 UE 27 PJH C, about 1.25 mi S. along gravel rd. from B.M., at center of T-rd. E. (gravel) 1310.88

<u>LINE 3 (Cont'd)</u>		<u>FONTANELLE QUAD. - 81</u>	<u>FEET</u>
3 24	14.3	UE 27 PJH D, about 2.0 mi S. along gravel rd. from B.M., 37 ft N., 26 ft E. and 3.7 ft lower than crossroads, on top of E. end of a 3.5-ft corrugated pipe culvert; a punch mark and painted square	1274.36
25	14.9	Fontanelle, Adair County, 2.1 mi N. and 2.3 mi W. of, T. 75 N., R. 33 W., near the S. sixteenth cor. between secs. 1 and 2, 430 ft N. and 33 ft E. of a T-rd. E., 64 ft SE. and 0.5 ft lower than rd. at crest, 12.5 ft N. and 27 ft W. of 1.5 ft diameter oak tree (nearest tree to mark) 7.0 ft S. of a power pole painted "B.M.", 2.5 ft N. of a witness sign, 1.0 ft W. of a right-of-way fence; a standard tablet crimped to the top of a copper rod stamped "28 PJH 1968"	1275.244
26	15.5	UE 28 PJH A, about 0.5 mi S. along gravel rd. from B.M., at NW. corner of a concrete bridge across small creek, 13 ft W. and 0.7 ft higher than rd. at N. end of bridge, on top of concrete curb; a chiseled square	1216.62
27	15.8	UE 28 PJH B, about 0.8 mi S. along gravel rd. from B.M., at center of crossroads (gravel)	1278.39
28	16.2	UE 28 PJH C, about 1.3 mi S. along gravel rd. from B.M., 430 ft N., 15 ft E. and 31.9 ft lower than crossroads, on top of N. end of E. headwall of a concrete box culvert; a chiseled square	1238.67
29	17.0	UE 28 PJH D, about 1.8 mi S. along gravel rd. from B.M., 17 ft S., 29 ft W. and 2.0 ft lower than T-rd. W., on top, in center of S. headwall of a concrete box culvert; a chiseled square	1219.17
30	17.3	UE 28 PJH E, about 2.3 mi S. along gravel rd. from B.M., at center of crossroads (gravel)	1293.84
31	17.9	Reference mark, 700 ft NE. of B.M., 226 ft SW. and 58 ft NW. of T-rd. NW. (State Hwy. 92 and gravel rd.) on top of NE. end of a concrete box culvert under the hwy.; a chiseled square (NOTE: center of chiseled square is broken away)	1286.83
32	18.0	Fontanelle, Adair County, 2.6 mi W. along State Hwy. 92 from, T. 75 N., R. 33 W., in the SE $\frac{1}{4}$ sec. 23, about 0.15 mi SW. of a T-rd. NW., about 0.25 mi NE. of a T-rd. S., 90.5 ft NW. and 2.1 ft higher than hwy., 30 ft NE. of a field entrance and center of a gate, 1.5 ft SE. of a right-of-way fence, 2.5 ft SW. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "29 PJH 1968"	1322.755
33	18.2	UE 29 PJH A, about 0.25 mi SW. along State Hwy. 92 from B.M., at center of a T-rd. S.; a chiseled cross	1321.09
33	18.7	UE 29 PJH B, about 0.25 mi SW. along State Hwy. 92 from B.M., thence 0.4 mi S. along gravel rd.; at center of a T-rd. E. (gravel)	1341.84
34	19.4	UE 29 PJH C, about 0.25 mi SW. along State Hwy. 92 from B.M., thence 1.15 mi S. along gravel rd.; center of crossroads (gravel)	1313.81
35	19.6	UE 21 PJH B (described in Line 1)	1275.36

LINE 4

J. D. Finch, 1953; Book CV 564

GREENFIELD QUAD. - 80

0.0	At Greenfield, Adair County, at the county courthouse, in the SE. corner of the yard, 29 ft N. of the curb line of the E.-W. street, 29 ft W. of the curb line of the N.-S. street, 15 ft NW. of a lamp-post, and 10 ft SE. of a concrete well covering; a US&GS standard disk stamped "V 103 1935" and set in the top of a concrete post	1375.424
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<u>LINE 4 (Cont'd)</u>	<u>GREENFIELD QUAD. - 80</u>	<u>FEET</u>
0.5 UE V 103 A, 0.5 mi W. along gravel rd., at NW. corner of crossroads, in power pole; rail spike		1333.51
1.1 UE V 103 B, 1.1 mi W. along gravel rd., about 250 ft N. of bend in rd., on E. side of rd., in power pole; rail spike		1295.64
1.8 UE V 103 C, 0.7 mi N. and 1.1 mi W. along gravel rd., 130 ft W. of T-rd. S., on top of NW. corner of 2-in. angle iron guard rail of culvert; painted square		1310.8
2.3 Greenfield, 1.0 mi N. and 1.5 mi W. of; near cor. secs. 1, 2, 11 and 12, T. 76 N., R. 32 W., 520 ft N. of T-rd. N., 430 ft N. of Summeret No. 1 School, 28 ft W. of center of rd., 1 ft E. of fence, 9 ft N. of telephone pole; standard tablet stamped "1 JDF 1953"		1337.400
2.2 Reference mark, 520 ft S. of tablet, NE. corner of rd. intersection on concrete culvert; chiseled square		1299.11
2.8 UE 1 A, 0.5 mi N. along gravel rd., on SE. corner of bridge guard rail, 3 ft. above bridge floor, 1 ft N. of bend in rail; 1-in. bolt head		1246.1
3.3 UE 1 B, 0.9 mi N. along gravel rd., 260 ft N. of crossroads, in center of bridge on E. side; copper nail and washer		1240.42
4.0 UE 1 C, 1.6 mi N. along gravel rd., 150 ft N. of cross fences, on W. side of rd., in power pole; rail spike		1306.82
4.3 Greenfield, 3.0 mi N. and 1.5 mi W. of; near cor. secs. 25, 26, 35 and 36, T. 76 N., R. 32 W., 330 ft N. of crossroads, 105 ft N. of NE. corner of schoolyard, 28 ft W. of center of rd., 1 ft E. of fence and 2 ft lower than center of rd.; standard tablet set in concrete stamped "2 JDF 1953"		1324.392
4.3 Reference mark, 160 ft NE. of tablet, on E. side of rd., in power pole; rail spike		1320.45
4.7 UE 2 A, 0.4 mi N. along gravel rd., 17 ft S. of E.-W. fence, on W. end of concrete box culvert, on W. side of rd.; chiseled square		1304.72
5.2 UE 2 B, 0.9 mi N. along gravel rd., on NW. corner of crossroads, in power pole; rail spike		1349.44
6.0 UE 2 C, 1.7 mi N. along gravel rd., on W. side of rd., in 18-in. concrete culvert; chiseled square		1356.63
6.3 Greenfield, 5.0 mi N. and 1.5 mi W. of; near cor. secs. 13, 14, 23 and 24, T. 76 N., R. 32 W., 530 ft N. of crossroads, 30 ft W. of center of rd., 1 ft E. of fence, 6 ft N. of telephone pole, 3 ft higher than center of rd.; standard tablet set in concrete stamped "3 JDF 1953"		1372.215
6.3 Reference mark, 90 ft SE. of tablet, on E. side of rd. and 10 ft N. of private driveway E., in power pole; rail spike		1370.69
7.0 UE 3 A, 0.7 mi N. along gravel rd., on W. side of rd. opposite private drive E., in power pole; rail spike		1368.28
7.2 UE 3 B, 0.9 mi N. along gravel rd., 3.5 ft lower than intersection, in N. end of concrete culvert on NW. corner of crossroads; chiseled square		1318.77
7.6 UE 3 C, 1.3 mi N. along gravel rd., on W. end of concrete culvert on W. side of rd.; chiseled square		1275.48
8.1 Greenfield, 7.0 mi N. and 1.5 mi W. of; near cor. secs. 1, 2, 11 and 12, T. 76 N., R. 32 W., 640 ft S. of crossroads, 31 ft E. of center of rd., 1 ft W. of fence, 33 ft N. of telephone pole, 3 ft higher than center of rd.; standard tablet stamped "4 JDF 1953" and set in concrete		1357.186

<u>LINE 4 (Cont'd)</u>	<u>GREENFIELD QUAD. - 80</u>	<u>FEET</u>
8.1 Reference mark, 210 ft NW. of tablet, on W. side of rd., in power pole; rail spike		1351.82
8.6 UE 4 A, 0.5 mi N. along gravel rd., in center of W. headwall creosoted wooden culvert; copper nail and washer		1277.98
9.2 UE 4 B, 1.1 mi N. along gravel rd., on NW. corner intersection of T-rd. W., in telephone pole; rail spike		1354.64
9.7 UE 4 C, 1.6 mi N. along gravel rd., on E. end of 24-in. metal pipe under rd.; painted square		1318.4
10.1 Greenfield, 9.0 mi N., 1.5 mi W. of, near cor. secs. 25, 26, 35 and 36, T. 77 N., R. 32 W., 590 ft S. of T-rd. S., 30 ft W. of center of rd., 1 ft E. of fence line, 1.5 ft lower than rd.; standard tablet set in concrete stamped "5 JDF 1953" (reported destroyed 10/68 PJH)		1264.769
10.1 Reference mark, 250 ft NE., on base of pump in schoolyard; chiseled square		1256.32
10.8 UE 5 A, 0.7 mi N. along gravel rd., 200 ft N. of crest of hill, on W. side of rd., in telephone pole; rail spike		1336.48
11.3 UE 5 B, 1.2 mi N. along gravel rd., in center of W. side of bridge; copper nail and washer		1229.53
11.9 UE 5 C, 1.7 mi N. along gravel rd., in concrete culvert, on W. side of rd.; chiseled square		1279.20
12.3 Greenfield, 11.0 mi N. and 1.5 mi W. of, near cor. secs. 13, 14, 23 and 24, T. 77 N., R. 32 W., 410 ft N. of crossroads, 33 ft E. of center of rd., 1 ft W. of fence line, and 16 ft N. of telephone pole; standard tablet set in concrete and stamped "6 JDF 1953"		1360.900
12.4 Reference mark, 720 ft N. along rd. from tablet, on concrete culvert on E. side of rd.; chiseled square		1322.19
12.8 UE 6 A, 0.5 mi N. along gravel rd., in center of wooden creosoted culvert on W. side of rd.; copper nail and washer		1259.85
13.3 UE 6 B, 0.9 mi N. along gravel rd., about 15 ft N. of T-fence E., on N. end of steel culvert located on E. side of rd.; painted square		1341.4
13.7 UE 6 C, 1.3 mi N. along gravel rd., on W. side of rd., on SW. corner of bridge; in bridge piling; copper nail and washer		1233.61
14.3 Casey, 1.0 mi S. and 1.5 mi E. of, near cor. secs. 1, 2, 11 and 12, T. 77 N., R. 32 W., 260 ft N. of crossroads, 32 ft W. of center of rd., 1 ft S. of E.-W. fence, 15 ft W. of fence corner, 150 ft N. of front entrance to Walnut No. 1 Schoolhouse; standard tablet set in concrete stamped "7 JDF 1953"		1336.410
14.3 Reference mark, 150 ft S. of tablet, at entrance to schoolhouse, in concrete step; chiseled square		1318.60
14.6 UE 7 A, 0.3 mi N. along gravel rd., in concrete headwall on W. side of rd.; chiseled square		1261.44
15.3 UE 7 B, 1.0 mi N. along gravel rd., 65 ft W. and 8 ft N. of center of Y-rd., on 6 x 6 in. wooden curbing on NE. corner of bridge over Middle River; end bolt		1209.9
<u>PANORA QUAD. -103</u>		
16.2 UE 7 D, 1.9 mi N. along gravel rd., in NE. corner of wooden RR. bridge, nail in wooden cross member below the rd.; copper nail and washer		1288.51
16.3 UE 7 E, 2.0 mi N. along gravel rd., in hwy. at center of crossroads; painted square		1283.8