

THIRD-ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

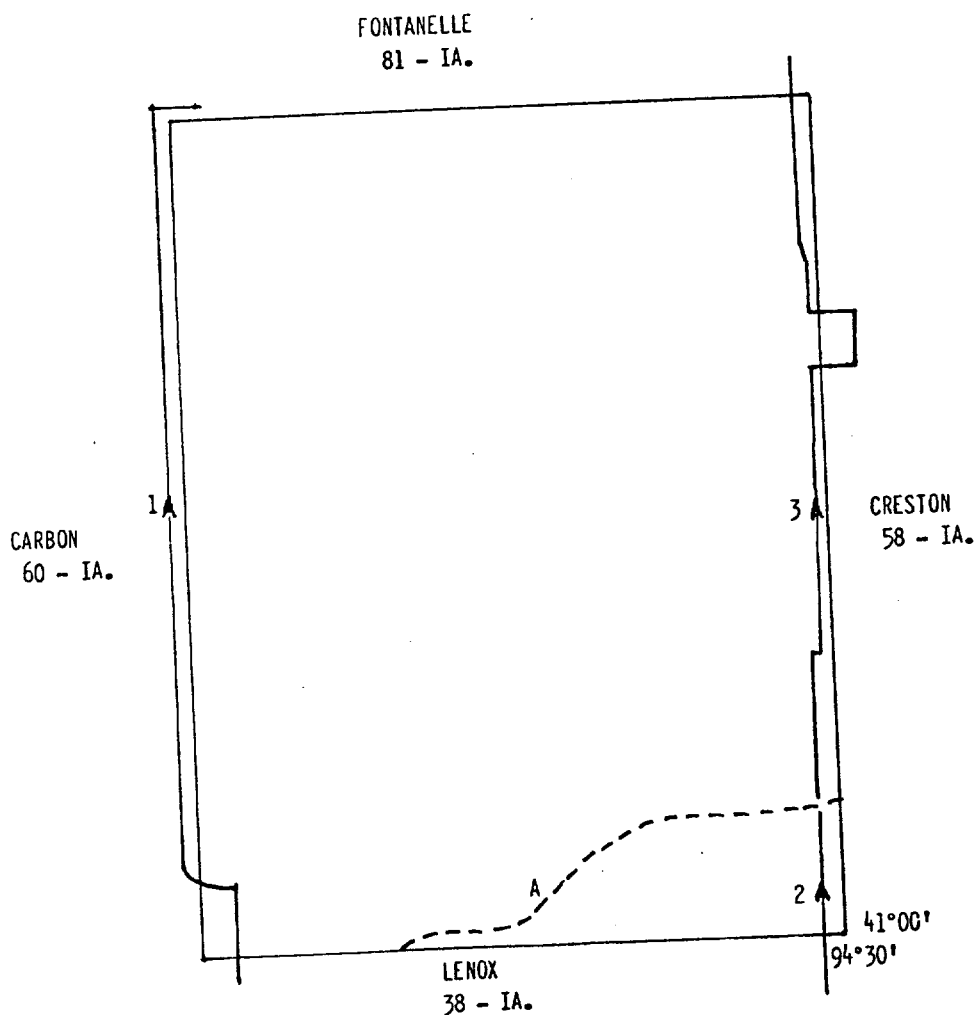
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

41-094-32
PRESCOTT QUADRANGLE
59 - IOWA
N4100-W9430/15
DIAGRAM NK 15-7
OMAHA

Cass, Adams and Adair Counties

Edition of: 3-30-78

PR: ADP/LB/cb



N.G.S. (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle No. 410943

59 C

FEET

LINE 1

F.W. Krueger, 1977; Book CV-3392

LENOX QUAD. - 38

- 1 3 0.0 BM, at Corning, near the intersection of Eighth and Main Streets, at the SE. cor. of the city park, 51 ft N. of the center of Eighth Street, 39 ft W. of the centerline of Main Street, 8 ft E. of a sidewalk, and about 1 ft higher than the street a standard USC&GS disk stamped "Z 108 1935" and set in the top of a concrete post. 1169.397

PRESCOTT QUAD. - 59

- 4 0.9 UE Z 108 A, 1 mi through town N., T. 72 N., R. 34 W. near quarter cor. between secs. 27 and 34; 183 ft S. and 42 ft W. of junction State Hwy. 148 and Grove Avenue; 20 ft W. centerline Grove Avenue; on W. end a 24-in. concrete culvert; chiseled square 1258.78
- 7 1.8 UE Z 108 B, 1.8 mi N. from disk; T. 72 N., R. 34 W., near quarter cor. between secs. 22 and 27; 70 ft S. and 32 ft E. and 1.8 ft lower than State Hwy. 148 at a T-rd. E.; on E. end of an E.-W. 24 in. concrete culvert; a chiseled square 1271.87
- 8 2.4 Reference mark, 110 ft NNE. from tablet; 75 ft N. from Hwy. at drain; 13.2 ft lower than road at drain; on N. end of a 24-in. concrete culvert; a chiseled square 1289.38
- 10 2.4 BM, Corning, 2.5 N. and 0.5 mi W. of; T. 72 N., R. 34 W., near E. center of sec. 22; 26 ft S., 24 ft E. and 1.8 ft lower than State Hwy. 148 at projected fence E., 26 ft S. of hwy. at drain; 4-in. E. of a BM; center of, S. concrete headwall of culvert; a standard tablet 1300.794

CARBON QUAD. - 60

- 11 3.2 UE 1 A, 0.8 mi W. from tablet; T. 72 N., R. 34 W. in the NW $\frac{1}{4}$ sec. 22, 10 ft N. 8 ft E. and 0.1 higher than centerline of Y-rd. W. along N. edge of the concrete pavement; center of the "6" in the number "265" embossed in the concrete 1864.93
- 14 4.3 UE 1 B, 1.2 mi N. and 0.8 mi W. from tablet along State Hwy. 148; T. 72 N., R. 34 W., near NW $\frac{1}{4}$ cor. between secs. 15 and 16, 15 ft S. and 24 ft W. of T-rd. W. (jct. state route 148 and 95) at the NE. cor. of small island and in the road surface, a chiseled square; 0.1 ft higher than T-rd. 1165.93
- 16 4.8 BM, Corning, 4.2 mi N. and 1 mi W. of; T. 72 N., R. 34 W., near S. sixteenth cor. between secs. 9 and 10; in the E. curb of bridge over Kemp Creek, 16 ft E. of centerline of bridge at drain; 2.2 ft above drain; countersunk a standard tablet stamped "Z FWK 1977" 1149.175
- 17 4.8 Reference mark, 103 ft S. and 31 ft W. of tablet; 103 ft S. and 15 ft W. of centerline of bridge in the curb at the SW. cor. of bridge, a state hwy. BM a metal rivet, 0.4 ft higher than bridge at drain 1148.98
- 19 5.6 UE 2 A, 0.8 mi N. from tablet along State Hwy. 148; T. 72 N., R. 34 W., near cor. secs. 3, 4, 9 and 10; 26 ft S., 61 ft E. and 3.1 ft lower than T-rd. E., on S. end of a 24-in. concrete culvert; a chiseled square 1235.62

CARBON QUAD. - 60

FEET

LINE 1 (Cont'd)

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| 1 | 22 | 6.6 | UE 2 B, 1.8 mi N. along State Hwy. 148 from tablet; Ips. 72 and 73 N., R. 34 W., near cor. secs. 3, 4, 33 and 34, 32 ft S., 246 ft E. and 8 ft lower than Hwy. 148 at a T-rd. E., 32 ft S. of road at drain; on S. end of a N.-S. 24-in. iron pipe culvert; a punched hole | 1244.73 |
| 24 | 7.6 | UE 2 C, 2.8 mi N. along State Hwy. 148 from tablet; T. 73 N., R. 34 W., near cor. secs. 27, 28, 33 and 34, 43 ft S., 37 ft E. and 2.8 ft lower than crossroad; on E. end of a N.-S. 24-in. concrete culvert; a chiseled square | 1182.63 | |
| 26 | 8.4 | BM, Corning, 7.5 mi N. and 1 mi W. of; T. 73 N., R. 34 W., near quarter cor. between secs. 27 and 28, 16 ft E. bridge over Middle Nodaway River; 0.6 ft higher than bridge; 33 ft above drain; center of E. concrete curb of bridge; standard tablet stamped "3 FWK 1977" | 1120.766 | |
| 27 | 8.4 | Reference mark, 177 ft S. and 31 ft W. of tablet; 177 ft S., 15 ft W. and 0.4 ft higher than bridge over Middle Nodaway River; on S. end of W. concrete curb of bridge; state of Iowa BM; top of bolt and washer | 1120.60 | |
| 29 | 9.2 | UE 3 A, 0.8 mi N. along State Hwy. 148 from tablet; T. 73 N., R. 34 W., near quarter cor. between secs. 21 and 22, 42 ft N., 50 ft E. and 9 ft lower than hwy. at T-rd. E., center of E. concrete headwall of E.-W. culvert; a chiseled square | 1146.31 | |
| 31 | 10.3 | UE 3 B, 1.8 mi N. along State Hwy. 148 from tablet; T. 73 N., R. 34 W., near quarter cor. between secs. 15 and 16, 32 ft S., 66 ft E. and 8.3 ft lower than T-rd. E.; on S. end of a 24-in. N.-S. concrete culvert; a chiseled square | 1228.15 | |
| 36 | 11.8 | BM, Corning, 11 mi N. and 1 mi W. of; T. 73 N., R. 34 W., near cor. secs. 9, 10, 3 and 4, 150 ft N., 40 ft W. and 5.6 ft lower than State Hwy. 148 at E.-W. road, 40 ft W. of road at drain; center of W. concrete headwall of culvert; 6-in. S. of Iowa BM; standard tablet; stamped "4 FWK 1977" | 1203.823 | |
| 37 | 11.8 | Reference mark, 102 ft S. and 30 ft W. of tablet; 48 ft N., 70 ft W. and 6.1 ft lower than State Hwy. 148 at E.-W. roads, 1 ft S. and 1 ft E. of a fence corner; top of bolt in a 4 in. by 4 in. concrete right-of-way marker | 1203.30 | |
| 39 | 12.8 | UE 4 A, 1 mi N. along State Hwy. 148 from tablet; Ips. 73 and 74 N., R. 34 W., near cor. secs. 3, 4, 33 and 34, 50 ft S., 60 ft E. and 10.5 ft lower than hwy. at T-rd. on S. end of a N.-S. 24-in. concrete culvert; a chiseled square | 1295.26 | |
| 43 | 13.9 | UE 4 B, 2 mi N. along State Hwy. 148 from tablet; T. 74 N., R. 34 W., near cor. secs. 27, 28, 33 and 34, 332 ft S., 30 ft E. and 3.6 ft lower than Hwy. at E.-W. road center of E. concrete headwall of a small culvert; on Iowa BM, top of rivet | 1269.62 | |
| 44 | 15.0 | BM, Corning, 14 mi N. and 1 mi W. of; T. 74 N., R. 34 W., near cor. secs. 21, 22, 27 and 28; 387 ft S., 28 ft W. and 9.6 ft lower than centerline of State Hwy. 148 at E.-W. road; 28 ft W. and 2.7 ft lower than road at drain; 14 ft above drain; center of W. concrete headwall of bridge; standard tablet stamped "5 FWK 1977" | 1238.170 | |

FEET

CARBON QUAD. - 60

LINE 1 (Cont'd)

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| 1 45 15.0 | Reference mark, 30 ft N. and 54 ft E. from tablet, 357 ft S., 26 ft E. and 9.1 ft lower than centerline of hwy. 148 at crossroads; 2.2 ft lower than road at drain and 26 ft E. of road at drain; 16.2 ft above drain; an Iowa BM, top of rivet | 1238.67 |
| 49 16.1 | UE 5 A, 1 mi N. along State Hwy. 148 from tablet, T. 74 N., R. 34 W., near cor. secs. 15, 16, 21 and 22, 130 ft N., 110 ft W. and 5.8 ft higher than crossroad; on S. end of bottom concrete step to St. Peter's Church, a previously chiseled cross | 1359.75 |
| 52 17.4 | UE 5 B, 2.1 mi N. along State Hwy. 148 from tablet; T. 74 N., R. 34 W., near quarter cor. between secs. 9 and 10; 19 ft N., 30 ft E. and 5.1 ft lower than small bridge at drain; 15 ft above drain; center of E. concrete headwall of bridge; a chiseled square | 1236.83 |
| 54 18.2 | BM, Corning, 17 mi N. and 1 mi W. of; 1.5 mi S. and 0.7 mi E. of Massena; T. 74 N., R. 34 W., near cor. secs. 3, 4, 9 and 10; 310 ft S., 40 ft W. and 13.1 ft lower than crossroads, hwy. 148 at E.-W. road center of N.-W. concrete headwall of a NW.-SE. culvert; 4-in. S. of on Iowa BM, standard tablet stamped "6 FWK 1977" | 1291.674 |
| 55 18.2 | Reference mark, 288 ft N. and 99 ft E. of tablet; 22 ft S., 59 ft E. and 4.2 ft lower than centerline of State Hwy. 148 at E.-W. road; concrete culvert; a chiseled square | 1300.59 |
| 58 19.3 | UE 6 A, 1.1 mi N. along State Hwy. 148 from tablet; 0.1 mi N. and 16.7 ft lower than T-rd. E. near Ips. 74 and 75 N., R. 34 W., near cor. secs. 3, 4, 33 and 34, 80 ft N., 17 ft E. and 0.6 ft higher than bridge at drain; 26.3 ft above drain; on N. end of E. concrete curb of bridge; at a previously set chiseled square | 1224.66 |

FONTANELLE QUAD. - 81

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| 63 21.2 | BM, 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 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 P.M. 1968" | 1309.374 |
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LINE 2

LENOX QUAD. - 38

F.W. Krueger, 1977; Book CV-3392

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| 2 50 14.9 | UE 10 A, 0.5 mi N. from tablet, T. 71 and 72 N., R. 32 W., near cor. secs. 2, 3, 34 and 35, 87 ft S., 17 ft E. and 4.4 ft lower than N.-S. road at double fenced lane W.; 8 ft above drain W.; on SE. end of a SE.-NW. 30-in. concrete culvert; a chiseled square | 1210.57 |
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PRESCOTT QUAD. - 59 NEBR.

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| 53 15.9 | UE 10 B, 1.5 mi N. from tablet, T. 72 N., R. 32 W., near cor. secs. 26, 27, 34 and 35, 19 ft N., 29 ft E. and 3 ft lower than crossroads; on N. end of an 18-in. N.-S. culvert, a punched hole | 1224.76 |
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PRESCOTT QUAD. - 59 NEBR.

FEET

LINE 2 (Cont'd)

- 2 56 17.0 UE 10 C, 2 mi N. from tablet, T. 72 N., R. 32 W., near cor. secs. 22, 23, 26 and 27, 20 ft S., 24 ft W. and 3 ft lower than crossroad; on S. end of a 24-in. N.-S. concrete culvert; a chiseled square 1237.50
- 59 18.2 Reference mark, 71 ft N. and 39 ft E. of tablet, 176 ft N., 25 ft W. and 2.2 ft lower than crossroads, on N. end of a N.-S. 18-in. iron pipe culvert under entrance; a punched hole 1288.74
- 60 18.2 BM, Clearfield, 16 mi N. and 1.5 mi W. of; T. 72 N., R. 32 W., near cor. secs. 22, 23, 14 and 15, 105 ft N., 74 ft W. and 0.6 ft lower than crossroads, 8 ft N. and 15 ft W. of a cedar tree; at the W. end of a sidewalk; center of bottom step; standard tablet stamped "11 FWK 1977" 1290.322
- 61 19.0 UE 11 A, 0.8 mi N. from tablet; T. 72 N., R. 32 W., near N. sixteenth cor. between secs. 14, 15, 85 ft N. and 0.7 ft lower than overpass at R.R.; 27 ft above R.R., 11 ft E. centerline of road at N. end of overpass; in the E. end of N. wooden headwall of overpass; top of 1-in. flat head of tie bolt; a chiseled cross 1291.69
- 62 19.1 BM, Prescott, 1.3 mi N. and 5 mi E. of; T. 72 N., R. 32 W., near N. sixteenth cor. between secs. 14 and 15, 23 ft S. and 6 ft E. of overpass at R.R.; 26.6 ft lower than overpass; 23 ft S. of R.R., 4.2 ft higher than rail, in NE. corner of 3 ft x 3 ft concrete base of overpass; standard USC&GS disk stamped "G 109 1935" 1265.762

LINE 3

PRESCOTT QUAD. - 59

F.W. Krueger, 1977; Book CV-3392

- 3 2 0.0 UE 11 A, 0.8 mi N. from tablet; T. 72 N., R. 32 W., near N. sixteenth cor. between secs. 14 and 15, 85 ft N. and 0.7 ft lower than overpass at R.R.; 27 ft above R.R., 11 ft E. of centerline of road at N. end of overpass; in the E. end of N. wooden headwall of overpass; top of 1-in. flat head of tie bolt; a chiseled cross 1291.686
- 3 0.3 UE G 109 A, about 0.3 mi N. from disk; T. 72 N., R. 32 W., near cor. secs. 10, 11, 14 and 15, 28 ft S., 21 ft W. and 0.3 ft lower than crossroads; on W. end of an E.-W. 18-in. iron pipe culvert; a punched hole 1293.07
- 6 1.3 UE G 109 B, 1.3 mi N. from disk; T. 72 N., R. 32 W., near cor. secs. 10, 11, 2 and 3; 40 ft N., 14 ft E. and 0.6 ft lower than crossroad; on E. end of an E.-W. 30-in. iron pipe culvert; a punched hole 1211.59
- 9 2.2 UE G 109 C, 2.3 mi N. from disk; T. 72 and 73 N., R. 32 W., near cor. secs. 2, 3, 34 and 35; 50 ft N., 17 ft W. and 5.8 ft lower than N.-S. road at E.-W. fence; on W. end of an E.-W. 24-in. iron pipe culvert; a punched hole 1246.58
- 10 3.2 UE 109 D, 3.5 mi N. from disk; T. 73 N., R. 32 W., near cor. secs. 27, 28, 34 and 35; centerline county road, H-24 at a gravel road S.; centerline is a chiseled square 1283.06

PRESCOTT QUAD. - 59

FEET

LINE 3 (Cont'd)

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| 3 | 12 | 3.7 | UE 109 E., 3.3 mi N. and 0.5 mi E. from disk; T. 73 N., R. 32 W., near quarter cor. between secs. 23 and 26, 22 ft N., 22 ft E. and 0.2 ft higher than centerline of I-rd. N., on E. end of an E.-W. 18-in. iron pipe culvert; a punched hole | 1292.54 |
| 14 | | 4.5 | Reference mark, 30 ft S. and 22 ft W. from tablet; 15 ft S., 11 ft W. and same elevation as centerline bridge at drain, 9.6 ft above drain; in SW. concrete wingwall of bridge; a chiseled square | 1199.08 |
| 15 | | 4.5 | BM, Prescott, 5 mi N., and 5.5 mi E. from; T. 73 N., R. 32 W., one sixteenth mi N. of center of sec. 26; 15 ft N., 11 ft E. and 0.1 ft lower than bridge at drain; 9.6 ft above drain; in NE. concrete wingwall of bridge; standard tablet stamped "12 FWK 1977" | 1198.941 |
| 17 | | 5.0 | UE 12 A, 0.3 mi N. from tablet; T. 73 N., R. 32 W., near cor. between secs. 23 and 26; 20 ft S., 30 ft W. and 2.5 ft lower than I-rd. W., on S. end of a N.-S. 36-in. iron pipe culvert; a punched hole | 1197.09 |
| 20 | | 6.0 | UE 12 B, 1.3 mi N. from tablet; T. 73 N., R. 32 W., near quarter cor. between secs. 14 and 28, 29 ft S., 17 ft E. and lower than I-rd. E., in E. end of a 24-in. E.-W. concrete culvert; a chiseled square | 1297.50 |
| 24 | | 7.0 | UE 12 C, 2.3 mi N. from tablet; T. 73 N., R. 32 W., near quarter cor. between secs. 11 and 14; 125 ft N., 24 ft E. and 0.6 ft higher than I-rd. W. on S. end of a 24-in. N.-S. concrete culvert under entrance to loading chute; a chiseled square | 1244.81 |
| 27 | | 8.3 | Reference mark, 66 ft N. and 3 ft W. of tablet; 34 ft S., 130 ft E. and 1 ft lower than I-rd. S.; in the NW. corner of the N. end of concrete sidewalk to school; a chiseled square | 1316.02 |
| 28 | | 8.3 | BM, Prescott, 8.5 mi N. and 5.5 mi E. of; T. 73 N., R. 32 W., near S. center of secs. 2, in the town of Nevinville; 100 ft S., 133 ft E. and 1.9 ft higher than I-rd. S.; 3 ft N. and 3 ft E. of center of N. door to a school building that is no longer in use; in the NE. corner of a concrete porch; standard tablet stamped "13 FWK 1977" | 1318.938 |
| 30 | | 9.1 | UE 13 A, 0.8 mi N. from tablet; T. 73 and 74 N., R. 32 W., near center of S. border of sec. 35; 16 ft S., 24 ft W. and 0.01 ft higher than crossroads; on S. end of a 24-in. N.-S. concrete culvert; a chiseled square | 1270.60 |
| 32 | | 9.6 | UE 13 B, 1.3 mi N. from tablet; T. 74 N., R. 32 W., near center sec. 35, 11 ft N., 9 ft E. and 3 ft higher than bridge at drain; 15 ft above drain; on N. end of E. concrete rail of bridge; a chiseled square | 1229.47 |
| 34 | | 10.1 | UE 13 C, 1.8 mi N. from tablet, T. 74 N., R. 32 W., near quarter cor. between secs. 26 and 35; 45 ft S., 2 ft W. and 2.3 ft lower than crossroad, on W. end of a 24-in. E.-W. concrete culvert; center of depressed square | 1295.14 |

FEET

LINE 3 (Cont'd)

PRESCOTT QUAD. - 59

- 3 37 11.1 UE 13 D, 2.8 mi N. from tablet; T. 74 N., R. 32 W., near quarter cor. between secs. 23 and 26; 32 ft N., 33 ft E. and 1.4 ft lower than T-rd. S.; 2 ft W. of a power pole; 1 ft S. of a fence; top of copper coated rod 1319.94

CRESTON QUAD. - 58

- 38 11.4 Reference mark, 40 ft S. and 167 ft W. of tablet; 26 ft S. and 8 ft E. of E.-W. road at entrance S.; on E. end of an E.-W. iron pipe culvert under entrance to field S., a punched hole 1278.75
- 40 11.6 BM, Prescott, 11.5 mi N. and 6 mi E. of; T. 74 N., R. 32 W., about 800 ft W. of cross-roads at cor. secs. 23, 24, 25 and 26; 14 ft N., 208 ft W. and 2.6 ft lower than E.-W. road at entrance to farm lane N.; 14 ft N. and 4.4 ft lower than bridge at drain; 14.7 ft above drain; center of N. concrete headwall of bridge; standard tablet stamped "14 FWK 1977" 1276.203
- 42 12.8 UE 14 A, 1 mi N. and 0.1 mi E. from tablet; T. 74 N., R. 32 W., near cor. secs. 13, 14, 23 and 24; 60 ft S., 14 ft E. and 1.6 ft lower than crossroad; on W. end of E.-W. square concrete culvert; a chiseled square 1322.63

PRESCOTT QUAD. - 59

- 44 13.4 UE 14 B, 1 mi N. and 0.5 mi W. from tablet; T. 74 N., R. 32 W., near quarter cor. between secs. 14 and 23, 15 ft N., 8 ft E. and 0.8 ft higher than center of bridge at drain; 17.6 ft above drain, center (bridge is diagonal) on N. concrete curb of bridge; a chiseled square; (drain is Shangri-la Creek) 1238.77
- 47 14.0 UE 14 C, 1 mi N. and 1 mi W. from tablet; T. 74 N., R. 32 W., near cor. secs. 14, 15, 22 and 23, 37 ft N., 18 ft E. and 3.6 ft lower than T-rd. N.; on E. end of an E.-W. iron pipe culvert; a punched hole 1300.78
- 49 15.0 Reference mark, 1 ft N., 43 ft W. from tablet, 14 ft S., 28 ft W. and 2.5 ft lower than crossroads, on S. end of a 24-in. concrete culvert; a chiseled cross 1307.22
- 50 15.1 BM, Prescott, 13.5 mi N. and 5.5 mi E. of; 40 ft E., 15 ft S. and 0.4 ft lower than cross-roads, on S. end of a N.-S. square concrete culvert; mark is 5 S., and 3 E., of Fontanelle, T. 74 N., R. 32 W., near cor. secs. 10, 11, 14 and 15 1306.835
- 53 16.1 UE 15 A, 1 mi N. from tablet; T. 74 N., R. 32 W., near cor. secs. 2, 3, 10 and 11; 85 ft N., 60 ft W. and 0.1 ft lower than crossroads; on NE. corner of concrete apron to steps and E. entrance to Penn. Avenue Church; a chiseled cross 1337.28
- 55 17.0 UE 15 B, 2 mi N. from tablet; Tps. 74 and 75 N., R. 32 W., near cor. secs. 2, 3, 34 and 35; 15 ft S., 30 ft W. and 0.9 ft lower than T-rd. E. (class 4 road W.), on end of a N.-S. 24-in. iron pipe culvert; a punched hole 1295.61

FEET

LINE 3 (Cont'd)

PRESCOTT QUAD. - 59

- 3 57 17.6 UE 15 C, 2.5 mi N. from tablet; T. 75 N., R. 32 W., near quarter cor. between secs. 34 and 35, 27 ft S., 15 ft W. and 0.1 ft lower than bridge at drain; 17.4 ft above drain; in the SW. wooden piling of bridge; top of R.R. spike driven vertically 1240.96

FONTANELLE QUAD. - 81

- 59 18.0 BM, Greenfield, Adair County, 3.1 mi S. and 3 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 I-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 ft N. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "23 PJH 1968" 1325.886
- 60 18.0 Reference mark (NOTE:) 1968 R.M. has been hit with a power mower enough that the washer and part of the nail were missing. New nail and washer at old site—1977 elevation. 1330.89