

THIRD-ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

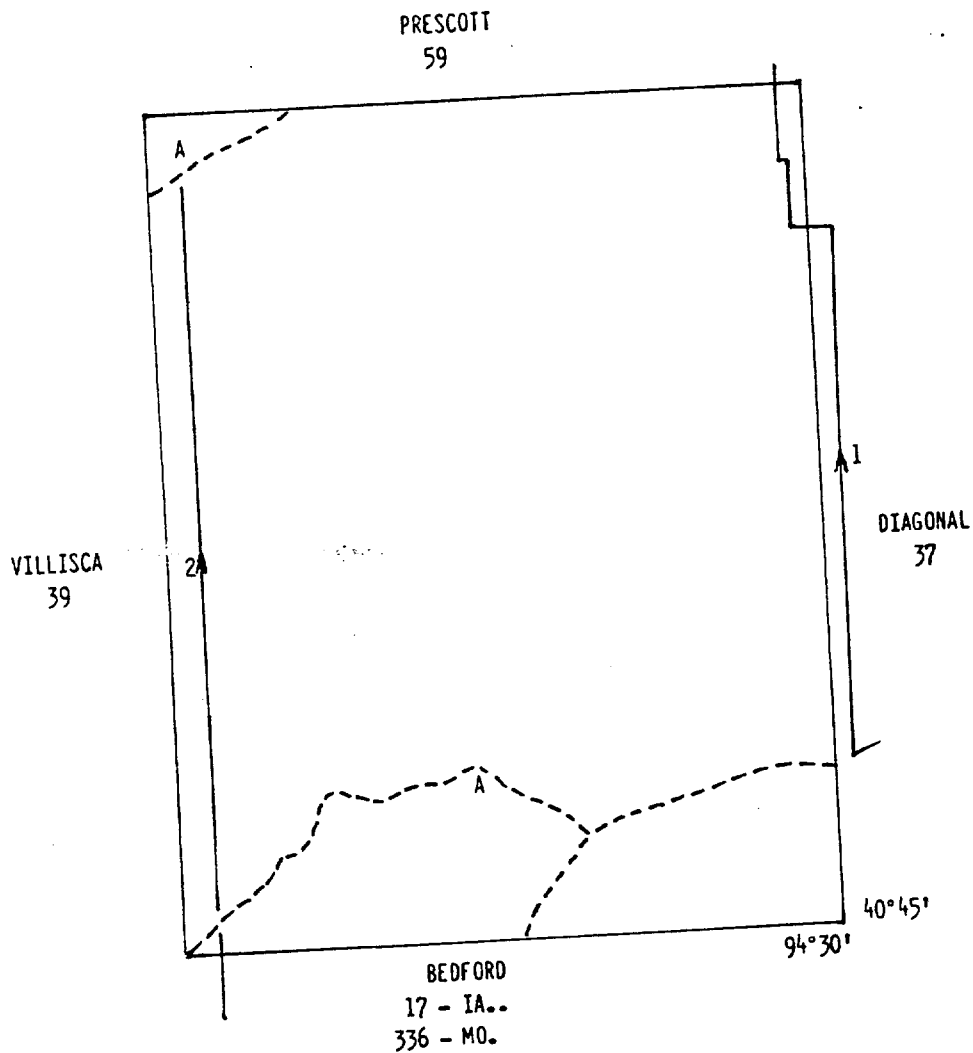
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

40-094-41
LENOX QUADRANGLE
38 - IOWA
N4045-W9430/15
DIAGRAM NK 15-10
NEBRASKA CITY

Taylor and Adams Counties

Edition of: 3-15-78

PR: ADP/LB/cb



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

A. Quadrangle No. 400944

FEET

LINE 1

DIAGONAL QUAD. - 37

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

- 2 1 0.0 At Clearfield, Taylor County, on the Chicago, Burlington & Quincy R.R., 153 ft SW. of the station at a street crossing, 45 ft NE. of the centerline of the street, 24 ft NW. of the centerline of the track, and level with the track, a standard N.G.S. disk stamped "G 106 1935" and set in top of a concrete post 1259.407
- 3 0.9 UE G 106 A, 0.9 mi W. from disk; T. 69 N., R. 32 W., near S. sixteenth cor. between secs. 1 and 2, 400 ft N., 19 ft W. and 6.4 ft lower than I-rd. E., on W. end of a 30-in. E.-W. iron pipe culvert; a punched hole 1254.53
- 4 1.4 UE G 106 B, 0.5 mi N. and 0.9 mi W. from disk; T. 69 and 70 N., R. 32 W., near cor. secs. 1, 2, 35 and 36, W., 19 ft S., 24 ft W. and 1.1 ft lower than crossroads, center of concrete headwall of culvert; a previously established chiseled cross 1263.26
- 7 2.4 UE G 106 C, 1.5 mi N. and 0.9 mi W. from disk; T. 70 N., R. 32 W., near cor. secs. 25, 26, 35 and 36, 91 ft S., 20 ft W. and 0.5 ft lower than crossroads; center of W. concrete head-wall of culvert; center of the number "6" embossed in the concrete "NO 36 U" 1215.10
- 10 3.4 Reference mark 1, 658 ft S. and 40 ft W. from tablet, T. 70 N., R. 32 W., near cor. secs. 23, 24, 25 and 26, 24 ft N., 27 ft W. and 1.6 ft lower than crossroads, on N. end of a N.-S. 24-in. metal culvert; a punched hole 1224.573
- 11 3.5 BM, Clearfield, 2.5 mi N. and 0.5 mi W. of; T. 70 N., R. 32 W., about 700 ft N. of cor. secs. 23, 24, 25 and 26, 682 ft N., 13 ft E. and 12.4 ft lower than crossroads; 13 ft E. and 0.6 ft lower small bridge at drain; 8.6 ft above drain; center of E. concrete headwall of bridge, standard tablet stamped "7 FWK 1977" countersunk 1212.257
- 12 3.5 Reference mark 2, 26 ft W. from tablet; 13 ft W. of small bridge at drain, 0.6 ft lower than road at drain center of W. concrete headwall of bridge; a chiseled cross 1211.212
- 14 4.4 UE 7 A, 1 mi N. from tablet; T. 70 N., R. 32 W., near cor. secs. 13, 14, 23 and 24; 34 ft N., 20 ft E. and 1 ft lower than crossroad; center of E. concrete headwall of culvert; a chiseled cross 1243.50
- 16 5.4 UE 7 B, 2 mi N. from tablet; T. 70 N., R. 32 W., near cor. secs. 11, 12, 13 and 14, 20 ft N., 24 ft E. and 1 ft lower than crossroad; center of N. concrete headwall of culvert, previously set cross 1239.08
- 18 6.4 UE 7 C, 3 mi N. from tablet, T. 70 N., R. 32 W., near cor. secs. 1, 2, 11 and 12, 21 ft N., 26 ft W. and 5.2 ft lower than crossroads, on N. end of a 50-in. N.-S. concrete culvert; a chiseled square 1253.83
- 21 7.1 Reference mark, 50 ft S. and 26 ft E. of tablet, 27 ft S., 14 ft E. and 1.4 ft higher than centerline road at bridge NW.-SE., 2 ft N. of the S. end of E. concrete rail of bridge a chiseled square 1206.34

DIAGONAL QUAD. - 37

FEET

LINE 1 (Cont'd)

- 2 22 7.1 BM, Clearfield, 6 mi N. and 0.5 mi W. of; T. 70 N., R. 32 W., near quarter cor. between secs. 1 and 2; 23 ft N., 12 ft W. and 1.2 ft higher than road at bridge NW-SE.; 12 ft W. of centerline road; center of W. concrete rail of bridge; 6.6 ft above drain; standard tablet stamped "8 FWK 1977" 1206.175
- 24 7.4 UE 8 A, 0.5 mi N. from tablet; Ts. 70 and 71 N., R. 32 W., near cor. secs. 1, 2, 35 and 36, 12 ft N., 25 ft E. and 2 ft lower than T-rd. W.; on S. end of a 12-in. concrete N.-S. culvert under drive E.; a chiseled square 1264.96
- 27 8.4 UE 8 B, 1.5 mi N. from tablet, T. 71 N., R. 32 W., near cor. secs. 25, 26, 35 and 36; 20 ft N., 26 ft W. and 3.3 ft lower than T-rd. W.; on N. end of a N.-S. 24-in. concrete culvert; a chiseled square 1233.83
- 30 9.4 UE 8 C, 2.5 mi N. from tablet; T. 71 N., R. 32 W., near cor. secs. 23, 24, 25 and 26, 82 ft S. and 9 ft E. of T-rd. W., 40 ft N., 9 ft E. and 1.5 ft higher than N.-S. road at R.R. 5.6 ft higher than drain; 9 ft E. of wooden bridge at drain; center of E. curb of bridge; top of white painted bolt 1176.86
- 34 10.5 Reference mark, 24 ft S. and 68 ft W. from tablet; 12 ft S. and 68 ft W. and 0.8 ft higher than bridge at W. Platte River; at W. end of the S. concrete curb of bridge; a chiseled square 1177.26
- 35 10.5 BM, Clearfield, 10 mi N. and 0.5 mi W. of; T. 71 N., R. 32 W., 506 ft E. of cor. secs. 13, 14, 23 and 24, 12 ft N., 50.6 ft E. and 4.6 ft higher than T-rd. S., 12 ft N. of bridge at W. Platte River; 0.9 ft higher than bridge; 18.6 ft above drain; center of N. concrete curb of bridge; standard tablet stamped "9 FWK 1977" (countersunk) 1177.312
- 38 11.7 UE 9 A, 1 mi N. from tablet; T. 71 N., R. 32 W., near cor. secs. 11, 12, 13 and 14, 27 ft N., 50 ft E. and 1.6 ft lower than T-rd. S., 22 ft E. of centerline entrance; on E. end of a E.-W. 24-in. concrete culvert; a chiseled square 1177.75
- 39 11.8 UE 9 B, 1 mi N. and 0.1 mi W. from tablet; T. 71 N., R. 32 W., about 500 ft W. of cor. secs. 11, 12, 13 and 14, 480 ft W. and 1.7 ft lower than T-rd. S., 13.5 ft above West Platte River, center of concrete deck bridge; chiseled square 1177.70

LENOX QUAD. - 38

- 41 12.2 UE 9 C, 1 mi N. and 0.5 mi W. from tablet; T. 71 N., R. 32 W. near quarter cor. between secs. 11 and 14, 26 ft N., 15 ft E. and 1.2 ft lower than T-rd. N.; on E. end of a 24-in. E.-W. concrete culvert; a chiseled square 1227.65
- 43 13.3 UE 9 D, 2 mi N. and 0.5 mi W. of; T. 71 N., R. 32 W. near quarter cor. between secs. 2 and 11, 34 ft S., 22 ft W. and 1.9 ft lower than T-rd. W.; about 6-in. E. of a guy pole; top of 0.5-in. copper coated rod projecting about 3-in. 1244.31
- 45 13.8 UE 9 E., 2.5 mi N. and 0.5 mi W. from tablet; T. 71 N., R. 32 W., near center of secs. 2, 38 ft S., 80 ft E. and 3.9 ft lower than centerline of U.S. Hwy. 34 at T-rd. S., on E. concrete flare of E.-W. culvert; a chiseled square 1215.17
- 47 14.3 Reference mark, 10 ft N., 77 ft E. from tablet 37 ft N., 26 ft W. and 1.4 ft lower than centerline of U.S. Hwy. 34 at T-rd. N., on W. end of a 24-in. E.-W. concrete culvert; a chiseled square 1212.55

LENOX QUAD. - 38

FEET

LINE 1 (Cont'd)

- 2 48 14.3 BM, Clearfield, 12 mi N. and 1.5 mi W. of; T. 71 N., R. 32 W., near quarter cor. between secs. 2 and 3, 27 ft N., 103 ft W. and 2.8' lower than U.S. Hwy. 34, at 1-rd. N.; center of N. concrete headwall of culvert; standard tablet stamped "10 FWK 1977" (countersunk) 1211.096
- 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

PRESCOTT QUAD. - 59 NEBR.

- 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
- 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" (countersunk) 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. center-line 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 2

BEDFORD QUAD. - 17 IA., - 336 MO.

J. Geurin, 1977; Book CV-3394

- 1 15 4.8 Bedford, about 4.5 mi N. of, along Hwy. 148 near N. cor. sec. 3, T. 68 N., R. 34 W., at drain crossing; 500 ft NW. of crossroads 1168.500
- 17 5.8 UE 3 A, about 1 mi N. of BM, at sec. cors. 26, 27, 34 and 35, T. 69 N., R. 34 W., center of crossroads iron pin 1236.92

LINE 2 (Cont'd)

LENOX QUAD. - 38 IA.

FEET

LINE 2 (Cont'd)

1	19	6.9	Reference mark, 34.6 ft W. of BM, in S. end of W. wheelguard; chiseled square	1163.62
20	6.9	BM, Bedford, about 6.5 mi N. of; 0.4 mi E. of P.O. in Gravity at drain crossing set in drill hole, in SE. abutment of bridge, 19 ft E. of center of S. end of bridge stamped "4 GEU 1977"	1163.168	
21	7.8	UE 4 A, about 0.9 mi N. of BM, center of crossroads, sec. 14, 15, 22 and 23, T. 69 N., R. 34 W. iron pin	1231.21	
23	8.8	UE 4 B, about 1.9 mi N. of BM, center T-rd. W. iron pin (cor. secs. 10, 11, 14 and 15, T. 69 N., R. 34 W., = 2-205 "C"	1217.7	
25	9.8	BM, Gravity, 0.4 mi E. and 2.8 ft N. of a drain crossing, 420 ft S. of crossroad, near sec. cors. 2, 3, 10 and 11, T. 69 N., R. 34 W., set in drill hole in N. end of E. headwall of box culvert, 6.6 ft lower than centerline of road	1183.454	
26	9.8	Reference mark, 115 ft NW. of BM, in S. end of W. headwall, 10.8 ft higher than drain	1181.22	
28	11.0	UE 5 A, about 1.2 mi N. of bench mark at drain crossing, about 800 ft N. of crossroads, 16 ft E. of center of N. end of bridge, on N. end of E. wheel guard 1.2 ft higher than center of bridge	1155.60	
29	11.9	UE 5 B, about 2.1 mi N. of BM, at cor. secs. 26, 27, 34 and 35, T. 70 N., R. 34 W. at dr. crossing, 19.3 ft W. of center of S. end of bridge, 0.5 ft higher than center of bridge, a chiseled square on SW. abutment	1161.11	
30	12.7	Reference mark, 1.3 ft N. of BM, mono-rivet in center of headwall; mono-rivet	1240.11	
31	12.7	BM, Gravity, about 0.4 mi E. and 5.8 mi N. of along State Hwy. 148 at small dr. crossing, about 960 ft S. of crossroads, (secs. cors. 22, 23, 26 and 27, T. 70 N., R. 34 W.) mark is set in S. end of small headwall, 34 ft W. of centerline road	1240.116	
34	14.1	UE 6 A, about 1.3 mi N. of BM, at drain crossing, about 850 ft N. of crossroads (sec. cors. 14, 15, 22 and 23, T. 70 N., R. 34 W., 16.1 ft W. of center of N. end of bridge, in center of N. end of W. wheel guard, "Mono-Rivet"	1166.39	
36	15.0	Reference mark, 61 ft W. of BM, on S. end of W. headwall; chiseled square	1230.10	
37	15.0	BM, Gravity, about 0.4 mi E. and 8 mi N. of, about 7.5 mi S. of interstate U.S. 34 and State Hwy. 148 at Corning	1226.227	
39	16.1	UE 7 A, 1 mi N. of BM, at center of crossroads pin	1283.3	
41	17.3	Reference mark, 88.4 ft W. of BM, on S. end of W. headwall; chiseled square	1232.32	

LINE 2 (Cont'd)

LENOX QUAD. - 38 IA.

FEET

- 1 42 17.3 BM, Corning, about 5.5 mi S. of entrance of U.S. 34 and State Hwy. 148, at cor. secs. 2, 3, 34 and 35, T. 71 N., R. 34 W., at drain crossing, 43 ft E. and 595 ft S. of center of road at sec. line fence E. mark is set in N. end of E. headwall stamped "8 GEU 1977" 1233.767
- 44 18.2 UE 8 GEU A, T-rd. W. pin center T-rd. W. 1263.0
- 46 19.4 Triangulation station, is about 4 mi S. of Corning, in SE $\frac{1}{4}$ sec. 22, T. 71 N., R. 34 W., on land owned and occupied by George Tracey, at W. side of the hog lot, 1 ft W. of the wire fence that separates the hog lot on E. from field on W., about 275 ft WSW. of Mr. Tracey's house, about 350 ft W. of Hwy. 148, 71 ft SSW. of SW. corner of the barn, 66 ft SSW. of SW. corner of hog shed that adjoins barn on W., 93 ft W. of W. end of corn crib, 44 ft N. of SW. cornerpost of hog lot, the mark is flush with the surface, and is stamped "TRACEY 1934" 1304.012
- 47 19.4 Reference mark No. 2 is ESE. of station, at W. end of corn crib at E. side of hog lot, 7 ft N. of SW. corner of corn crib, 103.67 ft SE. of Reference mark No. 1. It projects 2-in. 1301.476
- 48 20.3 UE TRACEY R.M. ²A, crossroad; pin 1244.7
- 50 21.3 UE TRACEY R.M. 2 B, crossroads pin 1237.8
- 53 22.8 BM, Corning depot, about 0.5 mi S. of Nebr. Intersection of U.S. Hwy. 34 and State Hwy. 148, 925 ft W. of intersection of two hwy. on E. end of S. headwall of culvert 1148.322
- 54 22.8 RM, about 165 ft ENE. of BM, in center of base of light standard on N. side hwy.; a chiseled square 1155.07
- 57 24.1 BM, at Corning, Adams County, near the intersection of Eighth and Main Streets, at the SE. corner of the city park, 51 ft N. of the centerline of Eighth Street, 39 ft W. of the center line 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