

THIRD-ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Final Adjustment of 1974

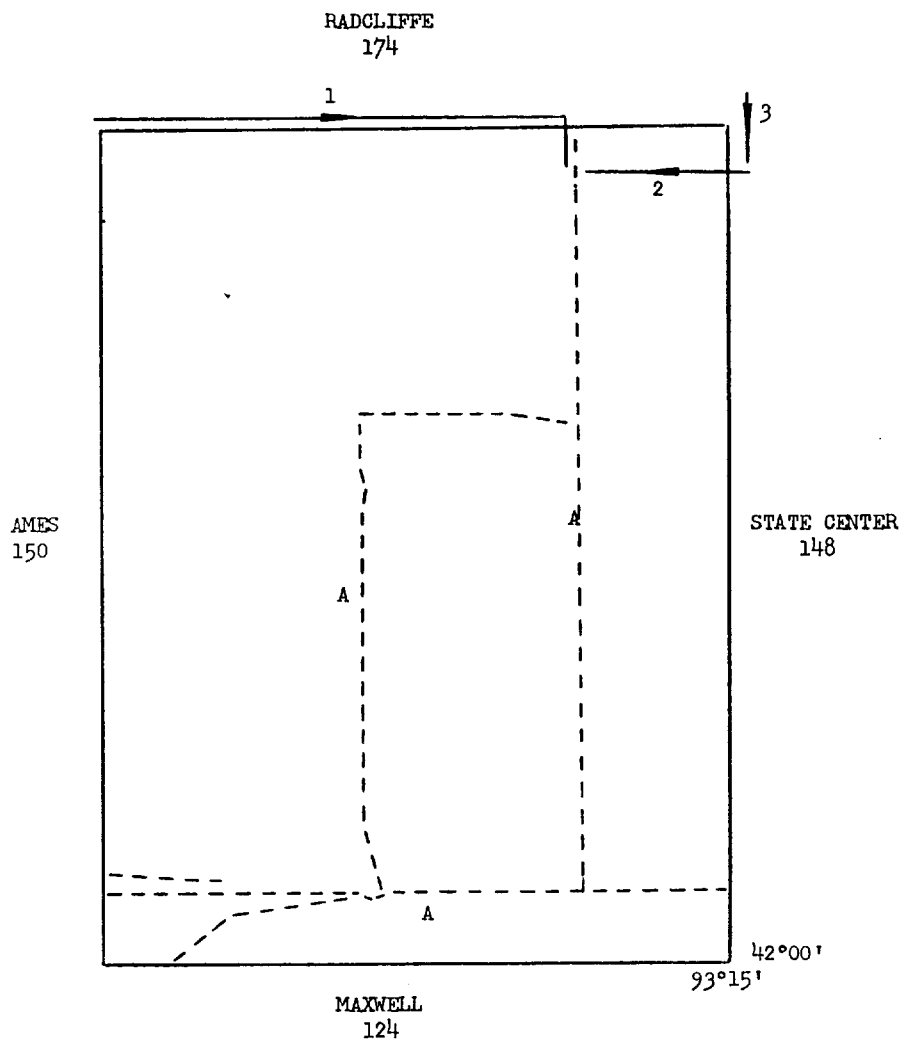
Story, Hamilton and Hardin Counties

Edition of: 1-1-75

PR: ADP/cb

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

42-093-23
NEVADA QUADRANGLE
149 - IOWA
N4200-W9315/15
DIAGRAM NK 15-5
WATERLOO



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

A. Quadrangle No. 420932

149-B

LINE 1

FEET

C.D. Lien, 1974; Book CV-3126

JEWELL QUAD. - 175

- 2 72 21.1 UE 25 A, 1 mi S. along road from tablet, T. 86 N., R. 23 W., sec. cors. 14, 15, 22 and 23, 36.1 ft N. and 36.1 ft W. of; and 4.2 ft lower than centerline of crossroads, 12 ft S. of centerline of a field entrance W., a chiseled square on a concrete culvert 1123.89
RADCLIFFE QUAD. - 174 IA.
- 77 21.1 Reference mark, 12.9 ft N. and 87.6 ft E. of crossroads, 22.9 ft N. and 450.4 ft W. of tablet a punched hole in a metal culvert 1113.81
- 78 22.2 Radcliffe, 4.5 mi S. and 2.5 mi W. of; T. 86 N., R. 23 W., near sec. cors. 13, 14, 23 and 24, 538 ft E. of crossroads, and 10 ft S. and 9 ft E. of, and 0.6 ft higher than centerline road over culvert, cemented in the SE. cor. of a concrete headwall, a standard tablet stamped "26 CDL 1974" 1116.612
- 3 3 23.1 UE 26 A, 1.0 mi E. along road from tablet, T. 86 N., R. 22 and 23 W., sec. cors. 13, 18, 19 and 24, 29.5 ft N., 42.6 ft W. of; and 3.1 ft lower than crossroads and 10 ft E. of a field entrance N., a chiseled square on a concrete culvert 1184.25
- 6 24.1 UE 26 B, 2 mi E. along road from tablet, T. 86 N., R. 22 W., sec. cors. 17, 18, 19 and 20, 32.8 ft S. and 32.8 ft E. of; and 2.7 ft lower than crossroads, a chiseled square on a concrete footing for a fence corner 1185.74
- 9 25.1 Radcliffe, 4.5 mi S. and 0.5 mi E. of; T. 86 N., R. 22 W., sec. cors. 16, 17, 20 and 21, 36.1 ft S. and 42.6 ft W. of; and 5.5 ft lower than crossroads; 4.8 ft S. and 1.6 ft E. of a fence corner and 3.9 ft N. of a concrete right-of-way post, set on top of a 0.5-in. copper coated steel rod which is encircled by a 6-in. tile set flush with ground, a standard tablet stamped "27 CDL 1974" 1207.495
- 10 25.2 Reference mark, 324.7 ft E. of tablet, 282.1 ft E. and 40 ft S. of crossroads, 40 ft S. and 35 ft E. of centerline of road at private drive S. and 1.3 ft N. and 3.3 ft E. of a fence corner, a chiseled square on top of a concrete right-of-way post which projects 0.8 ft above the ground 1214.50
- 13 26.1 UE 27 A, 1 mi E. along road from tablet, T. 86 N., R. 22 W., sec. cors. 15, 16, 21 and 22, 14.6 ft S. and 37 ft E. of; and 2.9 ft lower than crossroads, a chiseled square on a headwall of a concrete box culvert 1195.00
- 16 27.1 UE 27 B, 2 mi E. along road from tablet, T. 86 N., R. 22 W., sec. cors. 14, 15, 22 and 23, 42.6 ft N. and 19.7 ft W. of; and 2.5 ft lower than crossroads, a punched hole in a metal culvert 1154.06
- 19 28.1 UE 27 C, 3 mi E. along road from tablet, T. 86 N., R. 22 W., sec. cors. 13, 14, 23 and 24, 36.1 ft N. and 39.3 ft W. of; and 2.2 ft lower than crossroads, a chiseled square on a concrete footing for a fence corner 1152.23
- 21 28.4 Reference mark, 26 ft N. and 16.7 mi E. centerline of road at fence line N., 26 ft N. and 18 ft E. of centerline road at field entrance N. and 31.8 ft N. and 167 ft W. of tablet, a chiseled square on concrete culvert 1120.44
- 22 28.4 Radcliffe, 4.5 mi S. and 3.75 mi E. of; T. 86 N., R. 22 W., near the W. sixteenth cor. between seos. 13 and 24, 13.8 ft S. and 183.7 ft E. of; and 0.6 ft lower than centerline of road at fence N., 13.8 ft S. and 282.1 ft E. of centerline of road at field entrance S. and 13.8 ft S. and 185 ft E. of centerline of road at field entrance N. cemented in the headwall of a concrete culvert, a standard tablet stamped "28 CDL 1974". 1122.903

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LINE 1 (Cont'd)

RADCLIFFE QUAD. - 174 IA.

FEET

- 3 25 29.1 UE 28 A, 0.75 mi E. along road, from tablet, T. 86 N., R. 21 and 22 W., sec. cors. 13, 18, 19 and 24, 19.7 ft N. and 26.2 ft E. of; and 0.7 ft lower than crossroads, a chiseled square on a concrete headwall of a concrete culvert 1105.47 -
- 28 30.0 UE 28 B, 1.6 mi E. along road from tablet, T. 86 N., R. 21 W., sec. cors. 17, 18, 19 and 20, 26.2 ft N. and 29.5 ft W. of; and 2.7 ft lower than crossroads; a punched hole in a metal culvert 1124.79 -
- 31 31.0 Radcliffe, 4.5 mi S. and 6.5 mi E. of; T. 86 N., R. 21 W., sec. cors. 16, 17, 20 and 21, 55 ft S. and 19 ft W. of; and 0.1 ft lower than centerline of road at T-rd. W., 2 ft S. of a black and white witness post for a drain cemented in a concrete headwall for a 3 ft box culvert, a standard tablet stamped "29 CDL 1974" 1106.602 -
- 32 31.0 Reference mark, 16.3 ft N. and 30 ft W. of tablet, 39 ft S. and 49 ft W. of centerline of road at T-rd. W., 1 ft NE. of a fence corner and 1.5 ft N. of a telephone pole on top of a rail used for a hwy. right-of-way marker 1106.57 -

NEVADA QUAD. - 149 IA.

- 35 32.1 UE 29 A, 1 mi S. along road from tablet (Hwy. 65), T. 86 N., R. 21 W., sec. cors. 20, 21, 28 and 29, 45.9 ft N. and 55.8 ft E. of; and 1.6 ft higher than crossroads and 1.3 ft S. and 4 ft E. of a fence corner on top of a 0.24-in. rod which is in a concrete right-of-way post 1131.80
- 36 32.6 Hubbard, jct. of U.S. Hwy. 65 and State Hwy. 175, 5.25 mi S. of; T. 86 N., R. 21 W. near the quarter cor. between secs. 28 and 29, 10 ft N. and 47 ft W. of centerline of hwy. at fence line W., 10 ft N. and 3.3 ft W. of a fence corner and 70 ft S. and 47 ft W. of centerline of hwy. and a private drive W., set on top of a concrete post which projects 0.5 ft above ground, a disk stamped "I.G.S. 42-112" 1115.523 -

LINE 2

L.A. Perry, 1974; Book CV-3128

STATE CENTER QUAD. - 148 IA.

- 5 57 28.9 UE 21 A, about 0.5 mi W. along county road D-65 from BM, 39 ft S., 31 ft W. of and 7 ft lower than centerline of crossroads, top of S. end of 18-in. concrete tile, a chiseled square 1139.60
- 60 29.9 UE 21 B, about 1.5 mi W. along county road D-65 from BM, at centerline of T-rd. S., a painted plus 1093.24
- 63 30.9 Reference mark, about 98 ft N., 16 ft E. of BM 22 LAP; 54 ft N., 16 ft E. and 1.5 ft lower than T-rd. N., center of E. headwall, a chiseled square 1060.00
- 64 31.0 Hubbard, Hardin County, about 5 mi S. and 1 mi E. of; T. 86 N., R. 21 W., near N $\frac{1}{4}$ cor. sec. 27, 44 ft S. of centerline of T-rd. N.; 2.5 ft NE. of fence corner post, 1.8 ft N. of S. right-of-way fence, 2.4 ft SE. of sign post; 1 ft N. of USGS witness post, a standard rod supported tablet welded to copper coated rod driven 18 ft to refusal, set in 6-in. of concrete drain tile filled with gravel and stamped "22 LAP 1974" 1059.533
- 71 33.0 Hubbard, Hardin County, jct. US. 65 and 175, 5.25 mi S. of; T. 86 N., R. 21 W., near E $\frac{1}{4}$ cor. sec. 29, 10 ft N. and 47 ft W. of centerline of Hwy. at fence W., 10 ft N. and 3.3 ft E. of fence corner post; 70 ft S. and 47 ft W. of centerline of road at private drive W., set in the top of concrete post, projecting 0.5 ft, a standard USC&GS and State Survey disk stamped "42-112" 1115.523

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LINE 3

FEET

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RADCLIFF QUAD. - 174 IA.

6 32 8.0 UE 25 A, about 0.5 mi S. along gravel road from BM, 12 ft E. of center of road at drain;
centerline of E. headwall, a chiseled square 1109.39

STATE CENTER QUAD. - 148 IA.

36 9.3 UE 25 B, about 1.35 mi S. and 0.5 mi E. along gravel roads from BM, 45 ft N. and 18 ft
W. of T-rd. W.; 3.2 ft above drain; centerline of W. headwall of concrete culvert; a
painted square 1154.09

40 10.1 UE 21 A, about 0.5 mi W. along county road D-65 from BM "21 LAP 1974", 39 ft S., 31 ft
W. of and 7 ft lower than crossroads, top of S. end of 18-in. concrete tile, a chiseled
square 1139.60