

THIRD-ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Final Adjustment of 1974

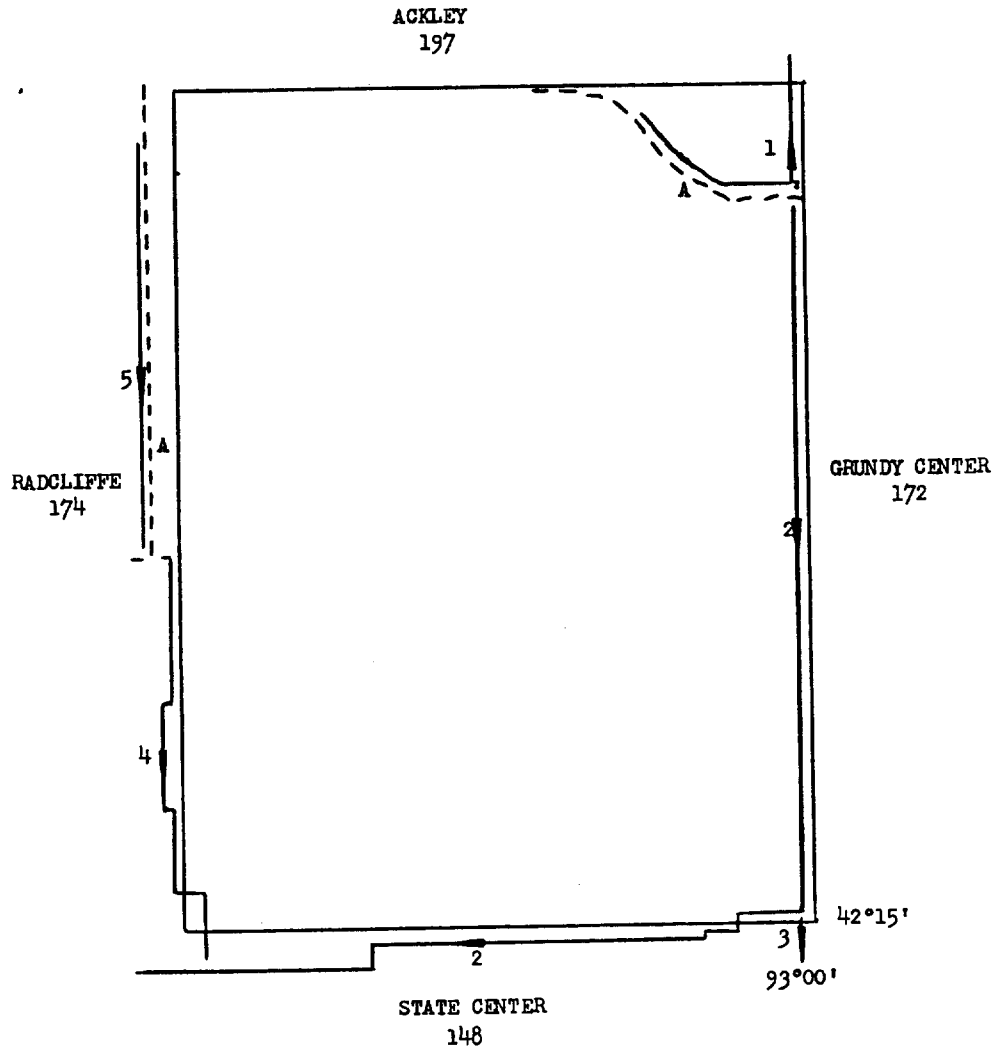
Hardin and Grundy Counties

Edition of: 1-1-75

PR: ADP/cb

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

42-093-21
ELDORA QUADRANGLE
173 - IOWA
N4215-W9300/15
DIAGRAM NK 15-5
WATERLOO



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

A. Quadrangle No. 420932

173 B

LINE 1

FEET

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

ELDORA QUAD. - 173

- | | | | | |
|---------------------------|-----|-----|---|----------|
| 2 | 3 | 0.0 | Cleves, Hardin County about 1.8 mi NW. along Chicago Rock Island and Pacific RR. from; in SE $\frac{1}{4}$ sec. 27, T. 89 N., R. 19 W., at Abbott crossing, 135 yards SE. of the crossing of Minneapolis and St. Louis RR., 46 ft SW. of SW. rail, 2 ft NE. of right-of-way fence, a standard disk set in top of concrete post projecting 5-in. and stamped "Y 30 1934" | 1105.273 |
| 6 | 1.1 | | RR. at drain (bridge) | 1079.63 |
| 11 | 2.6 | | Cleves, about 0.5 mi E. along gravel road between Tps. T. 88 N., and T. 89 N., near NE $\frac{1}{4}$ cor. sec. 2, T. 88 N., R. 19 W., 20.5 ft N. and 141 ft W. of T-rd. S., top of N. end of 2 ft steel culvert; a chiseled plus | 1070.83 |
| 15 | 3.2 | | UE X 30 B, about 1.2 mi E. along gravel road from EM, 15 ft N., 3 ft W. and 0.6 ft above centerline of road at drain, 5.6 ft above drain; SW. cor. of N. headwall, a chiseled square | 1057.84 |
| 17 | 4.0 | | EM, Cleves, Hardin County, about 2 mi E. of; Wellsburg, Grundy County about 4 mi W. and 2.5 mi N. of; near NE. cor. sec. 1, T. 88 N., R. 19 W., about 320 ft W. of T-rd. S., 15.8 ft S. and 0.4 ft above centerline of road at drain, a standard tablet set in top of SE. headwall of concrete box culvert, stamped "2 LAP 1974" | 1048.749 |
| 19 | 4.2 | | Reference mark, 41 ft N. and about 630 ft W. of EM, 25 ft N. and 55 ft E. of T-rd. N., a punched hole in top of 4 ft steel culvert | 1048.98 |
| 23 | 5.2 | | UE 2 LAP A, about 0.1 mi W. and 1.0 mi N. of EM, at crossroads, 55 ft N. and 50 ft E. of, a painted square on top of SE. end of steel culvert under entrance to cemetery | 1094.81 |
| 25 | 6.2 | | UE 2 LAP B, about 0.1 mi W. and 2.0 mi N. of EM, 142 ft S., 26.5 ft W. and 7.3 ft lower than crossroads, top of N. end of 18-in. concrete pipe culvert under driveway W., a chiseled square | 1094.74 |
| <u>ACKLEY QUAD. - 197</u> | | | | |
| 28 | 6.8 | | Reference mark, 357 ft S. of EM, 14.5 ft S. and 25.5 ft W. of road at drive W., a painted square on top of S. end of 18-in. steel culvert | 1057.76 |
| 29 | 6.9 | | EM, Cleves Hardin County, about 2 mi E. and 2.7 mi N. of; Ackley, Hardin County, about 2.5 mi E. and 2.3 mi S. of; in Grundy County, about 0.16 mi N. of E $\frac{1}{4}$ cor. sec. 19, T. 89 N., R. 18 W.; 6.7 ft above drain, 14.5 ft W. and 0.8 ft above centerline of road at drain in center of W. headwall of concrete culvert, a standard tablet stamped "3 LAP 1974" | 1052.679 |

LINE 2

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

ELDORA QUAD. - 173

- | | | | | |
|---|-----|-----|---|----------|
| 4 | 3 | 0.0 | EM, Cleves, Hardin Co. about 2 mi E. of; Wellsburg, Grundy County, about 4 mi W. and 2.5 mi N. of; near NE. cor. sec. 1, T. 88 N., R. 19 W.; about 320 ft W. of T-rd. S.; 158 ft S. and 0.4 ft above centerline of road at drain, a standard tablet set in top of E. end of S. headwall of concrete box culvert, stamped "2 LAP 1974" | 1048.749 |
| 7 | 0.7 | | UE 2 LAP AA, about 0.7 mi S. along county line road between Hardin and Grundy Co. from EM, 12 ft W. and 0.2 ft lower than centerline of road at drain, center of W. headwall; a chiseled square | 1052.77 |
| 9 | 1.1 | | UE 2 LAP BB, about 1.1 mi S. along county line road from EM, 31 ft S. and 42 ft E. and 1.9 ft lower than crossroads, top of S. end of 18-in. concrete culvert, a chiseled square | 1071.28 |

LINE 2 (Cont'd)

ELDORA QUAD. - 173

FEET

4	12	2.0	UE 2 LAP CC, about 1.9 mi S. along county line road from BM, 13.5 ft N., 11 ft W. and 1.7 ft above centerline of road at center of bridge, 8 ft above water, top of NW. rail a chiseled square	1072.52
14	2.6	BM, Wellsburg, Grundy County about 4 mi W. of; in Hardin County, T. 88 N., R. 19 W., near E. cor. sec. 13, about 60 ft N., 33 ft W. and 2.4 ft lower than crossroads; 14.3 ft N. of fence corner, 0.5 ft E. of W. right-of-way fence, 2.0 ft N. of power pole with two transformers, 0.8 ft S. of USGS witness post, a standard rod supported tablet welded to 0.5-in. copper coated rod driven 23 ft to refusal, set in 6-in. concrete drain tile filled with gravel and stamped "11 LAP 1974"	1102.628	
16	2.6	Reference mark, 98 ft S. and 8 ft E. and across road from BM; top of W. end of concrete culvert, a chiseled square	1102.04	
18	3.6	UE 11 A, about 1 mi S. along county line road from BM, centerline of T-rd. E.	1117.96	
21	4.6	UE 11 B, about 2 mi S. along county line from BM at jct. with county road D-35; 27 ft S. and 24 ft E. of and about 3 ft lower than crossroads; top of S. end of concrete culvert, a chiseled square	1101.87	
22	5.1	Reference mark, about 390 ft N. and 125 ft W. of BM, 96 ft N. and 19 ft W. of T-rd. N., top of W. end of concrete culvert, a chiseled square	1082.67	
25	5.2	BM, Steamboat, Rock, Hardin County, about 3.25 mi E. and 1 mi S. of; Wellsburg, Grundy County, 4 mi W. and 2.5 mi S. of; in Grundy County, T. 88 N., R. 18 W. near NW. cor. sec. 31, 15 ft N., 106 ft E. of and 5 ft lower than road at drive E.; 2.5 ft W. of power pole, 1.2 ft E. of USGS witness post, 1 ft S. of fence, a standard rod supported tablet welded to 0.5-in. copper coated rod driven 10 ft to refusal, set in 6-in. concrete drain tile filled with gravel and stamped "12 LAP 1974"	1084.615	
26	5.5	UE 12 A, about 0.3 mi S. along county line road from BM, 10 ft W. of centerline of road at N. end of bridge, top of curb NW. cor. of bridge; a chiseled square	1048.36	
30	6.1	UE 12 LAP B, about 0.8 mi S. along county line road from BM; 16 ft E. of centerline of road, 1 ft above road SW. cor. of E. headwall, a chiseled square	1059.50	
33	6.7	UE 12 LAP C, about 1.5 mi S. along county line road from BM; 206 ft N. and 15 ft E. of T-rd. W., SE. cor. of E. headwall, a chiseled square	1091.95	
36	7.3	UE 12 LAP D, about 2.1 mi S. along county line road from BM; about 380 ft S. of crossroads at NW. corner sec. 7, T. 87 N., R. 18 W.; 11 ft centerline of road, 10 ft above drain, 2.3 ft higher than road at center of N. end of E. culvert rail, a chiseled square	1070.05	
39	8.2	BM, Eldora, Hardin County, about 5 mi E. along State Hwy. 175 from; at jct. of State Hwy. 175 and county road S-75 on county line between Hardin and Grundy Counties; 124 ft N., 74 ft W. and 120 ft N. and 0.5 ft lower than crossroads, 22 ft SW. of telephone pole, 1 ft NE. of hwy. RM (4 x 4 concrete post), 1 ft S. of USGS witness post, a standard rod supported tablet welded to copper coated rod driven 23 ft to refusal, set in 6-in. concrete drain filled with gravel and stamped "13 LAP 1974"	1083.843	
40	8.3	Reference mark, 232 ft S. and across State Hwy. 175 from BM, top of 4 x 4 concrete post with steel pin projecting from top	1089.18	
44	9.3	UE 13 LAP A, about 1.1 mi S. along county line road S-75 from BM; 22 ft W. and 1.7 ft below center of road, 9 ft above water, NW. cor. of W. headwall, a chiseled square	1033.92	

LINE 2 (Cont'd)

ELDORA QUAD. - 173

FEET

- 4 49 10.3 UE 13 LAP B, about 2 mi S. along county line road S-75 from BM, 22 ft N., 33 ft E. and 3.6 ft lower than crossroads, top of N. end of 2 ft concrete culvert, a chiseled square 1068.56
- 52 11.4 BM, Whitten, Hardin County, about 3.25 mi N. of; in Grundy County, T. 87 N., R. 18 W., near NW. cor. sec. 31; about 260 ft E. of crossroads (jct. county road S-75 and D-53), 22 ft S. center road, a standard tablet set in W. end of S. headwall of double box culvert and stamped "14 LAP 1974" 1016.893
- 53 11.5 Reference mark, about 285 ft W. and 490 ft S. of BM; 20.5 ft W. and 1.8 ft lower than centerline of road at drain, 7.5 ft above water, centerline of W. headwall double box culvert, a chiseled square 1013.31
- 57 12.4 UE 14 LAP A, about 1 mi S. along county line road S-75, 27 ft S., 48.8 ft E. and 3 ft lower than crossroads, top of S. end of 18-in. concrete culvert, a chiseled square 1047.23
- 59 13.3 UE 14 LAP B, about 2 mi S. along county line road S-75 from BM, 14 ft W. and 0.7 ft above centerline of road at drain, top of NW. curb of bridge, a chiseled square 994.75
- 71 14.4 BM, Whitten, Hardin County, at NE. cor. of corporate limits; T. 86 N., R. 19 W. near NE. cor. sec. 13; 49 ft W., 2.1 ft lower and in line with centerline of T-rd. E., 2 ft NE. of fence cor. post, 1.5 ft E. of W. right-of-way fence, 1.5 ft NW. of sign post and 1.2 ft E. of USGS witness post, a standard rod supported tablet welded to copper coated rod driven 19 ft to refusal, set in 6-in. concrete drain tile and stamped "15 LAP 1974" 1035.516
- 72 14.4 Reference mark, 20 ft S. and 16 ft E. of BM, top of S. end of 18-in. concrete culvert, a chiseled square 1034.04
- 74 14.8 BM, Whitten County, in the town of; about 160 ft S. of RR. crossing, 99 ft S. and 26.5 ft W. of T-rd. W., 31 ft N. of power pole, 52 ft N. of NE. corner of small wooden frame building, a standard State Survey disk set in top of concrete post set flush and stamped "42 STA NO 135" 1038.807
- 77 15.5 BM, Whitten, Hardin County, about 0.5 mi S. of; in Grundy County, near SW. cor. sec. 18, T. 86 N., R. 18 W.; 57 ft N., 74.5 ft E. and 1.8 ft lower than crossroads, 3 ft NE. of power pole, 1.8 ft W. of fence corner and in line with N. right-of-way fence, 1.5 ft SE. of USGS witness post, a standard rod supported tablet welded to 0.5 in. copper coated rod driven 18.5 ft to refusal, set in 6-in. concrete drain tile filled with gravel and stamped "16 LAP 1974" 1032.452
- 5 12 16.1 UE 16 AA, about 0.6 mi W. along gravel road from BM, 1.5 ft S. of centerline of road at drain, W. end of S. headwalls, a chiseled square 983.90
- 14 17.2 UE 16 BB, about 1.75 mi W. along gravel road from BM, 1 ft N., 14.5 ft W. and 0.4 ft higher than T-rd. W., center of W. headwall of concrete box culvert, on bottom half of No. 6 cast in concrete 1025.62
- 16 17.9 UE 16 CC, about 2.4 mi W. along gravel roads from BM, 12 ft W. of driveway S., top of W. end of 3 ft concrete culvert, a painted square 967.28

STATE CENTER QUAD. - 148

- 19 18.1 Reference mark, about 325 ft NNW. of BM, on NE. cor. of concrete well platform, a chiseled square 924.01

LINE 2 (Cont'd)

STATE CENTER QUAD. - 148

FEET

5	20	18.1	Union, Hardin County, jct. of State Hwy. 215 and County Road D-65, about 1.3 mi E. along county road D-65 from, T. 86 N., R. 19 W., near E $\frac{1}{4}$ cor. sec. 22, in SE. cor. of Daisy Long County Park, 29 ft N. and 43 ft W. of road at S. entrance to park; 86.5 ft S. and 6 ft W. of a power pole, 1 ft N. of park sign, 0.5 ft N. of USGS witness post, a standard rod supported tablet welded to 0.5-in. copper coated rod driven 10 ft to refusal, set in 6-in. concrete drain tile and stamped "17 LAP 1974".	928.384
	24	19.3	UE 17 A, 1.3 mi W. along county asphalt road D-65 from BM at jct. with State Hwy. 215, top of S. rim man hole, a chiseled plus	943.64
	26	20.0	UE 17 B, about 2.06 mi W. along county road D-65 from BM, centerline of T-rd. N.; a painted plus	1022.92
	29	20.7	BM, Union, Hardin County jct. State Hwy. 15 and county road D-65 about 1.4 mi W. along county road D-65 from; 21 ft S. of and 4.2 ft lower than centerline of road at drain, a standard tablet cemented in E. end of S. headwall of concrete box culvert, stamped "18 LAP 1974"	973.899
	31	21.0	UE 18 A, about 0.35 mi W. along county road D-65 from BM, at crossroad, top of county rebar in pavement	1036.58
	33	22.0	UE 18 B, about 1.3 mi W. along county road D-65 from BM, top of county rebar at centerline of crossroads	1014.89
	36	22.8	Reference mark, about 100 ft E. and 33 ft S. of BM, a chiseled square on top of SE. curb of bridge	973.09
	38	22.8	BM, Union, Hardin County, about 3.75 mi W. along county road D-65, from jct. of State Hwy. 215, and county road D-65, T. 86 N., R. 20 W. near W. quarter cor. sec. 24, at bridge over Honey Creek, 16.8 ft N. and 50 ft W. of and 0.8 ft higher than road at drain, a standard tablet set in NW. curb of bridge and stamped "19 LAP 1974".	973.027
	40	23.5	UE 19 A, about 0.7 mi W. along county road D-65 from BM, road at fence N. and in line with W. edge of road S., top of county rebar	1012.31
	42	24.5	UE 19 B, about 1.65 mi W. along county road D-65 from BM, centerline of crossroads, a painted plus	1063.33
	44	25.5	UE 19 C, about 2.2 mi W. and 0.5 mi S. along county road D-65 from BM, centerline of T-rd. W.	1039.13
	45	25.8	New Providence, Hardin County, about 3 mi S. and 0.5 mi W. of, R. 20 W., T. 86 N., about 0.25 mi W. of NE. cor. of sec. 28; 22 ft S. of and 4.1 ft lower than centerline of road; a standard tablet cemented in W. end of S. headwall of concrete box culvert stamped "20 LAP 1974".	1019.464
	47	25.9	Reference mark, about 425 ft W. of BM, 23.5 ft N., 17 ft W. of road at drive N., top of W. end of concrete culvert, a chiseled square	1028.50
	49	26.5	UE 20 A, 0.75 mi W. along county road D-65 from BM, 50 ft S., 31 ft W. and 1.2 ft lower than T-rd. S., center of W. headwall of concrete culvert, a chiseled square	1060.87
	52	27.6	UE 20 B, about 1.8 mi W. along county road D-65 from BM, centerline of crossroads, a painted plus	1089.06
	53	28.4	Reference mark, 78 ft S. and 181 ft E. of BM, 33 ft S. and 15 ft W. of road at drive S.; top of W. of culvert a chiseled square	1129.46

LINE 2 (Cont'd)

STATE CENTER QUAD. - 148

FEET

- 5 55 28.4 BM, New Providence, Hardin County, 3 mi S., and 3 mi W. of; near SW. cor. 19, T. 86 N., R. 20 W., 44.5 ft N. of and 0.5 ft lower than road at fence N.; 0.8 ft S. of N. right-of-way fence, 1 ft SE. of fence corner post, 1.7 ft W. of USGS witness post; a standard tablet welded to a copper coated rod, driven 18 ft to refusal, set in 6-in. concrete drain tile filled with gravel and stamped "21 LAP 1974" 1136.394
- 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
NEVADA QUAD. - 149 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

LINE 3

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

ELDORA QUAD. - 173

- 4 77 15.5 BM 16 LAP 1974 (Described in Line 2) 1032.452
STATE CENTER QUAD. - 148
- 80 0.8 UE 16 LAP A, about 0.7 mi S. along County line road from BM, 47.5 ft W. and 4.5 ft lower than centerline of road at drain, top of W. end of 10 ft steel culvert, a chiseled square 957.93
- 5 1 1.3 UE 16 LAP B, about 1.25 mi S. along county line road from BM; 15 ft N. and 16 ft E. of centerline of road at N. end of bridge, 2.8 ft above centerline of road at drain; top of NE. rail abutment, head of bolt 948.58
- 5 2.1 Whitten, Hardin County, about 2.6 mi S. along the county line road from, T. 86 N., Rs. 18 and 19 W., near corner secs. 25, 30, 31 and 36; 9 ft N. and 318 ft W. of centerline of crossroads, cemented in the E. end of the N. concrete curb of bridge, a standard tablet stamped "1 FJH 1958 RESET 1972" 936.010

LINE 4

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

RADCLIFFE QUAD. - 174

- 6 3 0.0 BM, Hubbard, Hardin County, about 3.75 mi N. and 2.5 mi E. along U.S. Hwy. 65 and State Hwy. 175 from jct. at; T. 87 N., R. 21 W., near center of sec. 11, 35.8 ft S. of centerline of State Hwy. 175 at fence S., 41.8 ft NW. of E. concrete tie-in monument on S. side of hwy. 20.7 ft N. of T-fence S.; a standard State Survey disk set in top of concrete post projecting 0.2 ft above ground and stamped "42-99" 1125.214
- 5 1.0 UE 99 B, 0.5 mi E. along State Hwy. 175 and 0.5 mi S. along gravel road from BM, 6 ft S., 24 ft W. and 3.8 ft lower than centerline of T-rd. E.; top of S. end of concrete culvert, a chiseled square 1118.42
- 6 1.5 UE 99 C, 0.5 mi E. along State Hwy. 175, thence 1.0 mi S. of BM, centerline of crossroads 1110.1
- 7 2.0 UE 99 D, 0.5 mi E. along State Hwy. 175 and 1.5 mi S. along gravel road from BM, centerline crossroads 1102.5
- 9 2.5 BM, Hubbard, Hubbard, Hardin County, about 1.75 mi N. and 2.5 mi E. of; T. 87 N., R. 21 W., near W₄ sec. 24, 34 ft E. and 1.9 ft lower than road at fence E., at NW. corner of farm grove, 1.5 ft S. of a fence corner, 0.8 ft W. of E. right-of-way fence, 1.5 ft N. of USGS witness post; a standard rod supported tablet welded to copper coated rod, driven 12 ft to refusal, set in 6-in. concrete drain tile filled with gravel and stamped "23 LAP 1974" 1112.783

LINE 4 (Cont'd)

RADCLIFFE QUAD. - 174

FEET

6	12	3.3	UE 23 A, about 0.77 mi S. along gravel road from BM, 6 ft S. of and 1.5 ft lower than road at E.-W. fences, top of N. end of concrete culvert, a painted square	1100.78
14	3.8	UE 23 B, about 1.0 mi S. and 0.25 mi W. along gravel roads from BM, centerline of T-rd. E.	1050.9	
16	4.5	BM, Hubbard, Hardin County, approx. 2.25 mi E. of; near center of NE $\frac{1}{4}$ sec. 35, T. 87 N., R. 21 W.; 37 ft S., 32 ft E. of and 0.75 ft higher than crossroads, 2.5 ft SE. of power pole, 1.8 ft SSW. of fence cor. post, 1.0 ft W. of fence, 1.8 ft NW. of USGS witness post; a standard tablet welded to copper coated rod, driven 14 ft to refusal, set in 6-in. concrete drain tile filled with gravel and stamped "24 LAP 1974"	1116.704	
17	4.5	Reference mark, 87 ft W. and 21.5 ft N. of BM, 55 ft W., 15.5 ft S. of crossroads, 0.2 ft N. of S. end, 2 ft steel culvert; a chiseled plus	1115.63	
19	5.3	UE 24 A, 0.75 mi S. along gravel road from BM, centerline of offset crossroads (in line with E. edge of road N. and W. edge of road S.), a copper nail and washer	1105.94	
22	6.2	UE 24 B, approx. 1.7 mi S. along gravel road from BM, 10 ft N. and 15 ft E. of and 2.0 ft lower than road at drain, on top of N. end of E. bridge sill, a copper nail and washer	1067.80	
25	6.9	UE 24 C, approx. 2.1 mi S. and 0.25 mi E. along gravel roads from BM; centerline of road at centerline of drain on concrete bridge, a painted plus	1034.16	
27	7.2	UE 24 D, about 2.6 mi S. along gravel road from BM, bridge centerline of road at centerline of drive	1032.6	
29	7.5	Reference mark, 30 ft E. of BM, center of E. headwall, a chiseled square	1057.90	
30	7.5	BM, Hubbard, Hardin County, about 2.75 mi S. and 2.5 mi E. of, about 0.1 mi N. of SE. cor. sec. 11, T. 87 N., R. 21 W.; 14 ft W. of and 0.8 ft lower than road at culvert; a standard tablet cemented in center of W. headwall and stamped "25 LAP 1974"	1057.768	
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

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

LINE 5

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

RADCLIFFE QUAD. - 174

4	8	0.0	Iowa Falls at the jct. of Union and River Street, 3.3 mi S. of; along U.S. Hwy. 65, T. 89 N., R. 20 and 21 W., sec. cors. 25, 30, 31 and 36, 70.1 ft SW. of the NE. cor. of sec. 36, at the jct. of a road leading W., 92.8 ft S. of a concrete road marker, 97.7 ft W. of another concrete road marker, 48.5 ft W. of centerline of hwy., 14.0 ft S. of a fence corner and 1.5 ft E. of a right-of-way fence set on top of a concrete post set flush with ground, a standard I.G.S. disk stamped "42 140"	1127.786
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LINE 5 (Cont'd)

RADCLIFFE QUAD. - 174

FEET

- 4 14 2.2 UE 141 A, 1.1 mi S. along hwy. from tablet, T. 88 N., R. 21 W., quarter cor. between secs. 2 and 11, a copper nail and washer in centerline of crossroads 1146.73
- 17 3.2 UE 141 B, 2.1 mi S. along hwy. from tablet, T. 88 N., R. 21 W., near quarter cor. between secs. 11 and 14, 32.8 ft S. and 32.8 ft E. of and 0.2 ft higher than crossroads and 1.1 ft N. of a fence corner; a chiseled square on top of a concrete right-of-way post; set flush with ground 1162.42
- 19 4.2 Iowa Falls, intersection of Union and River Street, 7.3 mi S. of, along U.S. Hwy. 65, T. 88 N., R. 21 W., near the quarter cor. between secs. 14 and 23, 128 ft N. and 20.3 ft W. of and 0.9 ft higher than T-rd. W.; 9.7 ft S. and 13.5 ft E. of a fence corner fence corner NE. cor. of yard and 2.2 ft S. of a black and white round wooden post, cemented in the top of a headwall of a 3 ft concrete box culvert, a standard tablet stamped "34 CDL 1974" 1136.200
- 20 4.2 Reference mark, 21.4 ft N. and 45.5 ft E. of a T-rd. W., 106.6 ft S. and 64.8 ft E. of tablet, 2.0 ft S. of a fence corner and 2.2 ft N. of a telephone pole, a chiseled cross on tip of a RR. rail used for a hwy. right-of-way marker 1132.06
- 24 5.2 UE 34 A, 1 mi S. along hwy. from tablet, T. 88 N., R. 21 W., near the quarter cor. between secs. 23, and 26, 12 ft S. and 13.7 ft W. of; and 0.7 ft higher than centerline of bridge, a chiseled square in the SW. cor. of a concrete bridge 1099.74
- 27 6.2 UE 34 B, 2.03 mi S. along hwy. from tablet, T. 88 N., R. 21 W. quarter cor. between secs. 26 and 35, 87 ft S. and 18.7 ft E. of; and 0.8 ft lower than crossroads, a chiseled square on headwall of a 2 ft concrete box culvert 1092.76
- 29 6.7 Reference mark, 45 ft N. and 41 ft E. of tablet, 9.3 ft N. and 60.2 ft E. of centerline of road at E.-W. field entrances and 22 ft S. and 60.2 ft E. of centerline of road at a fence line E., a punched hole in a metal culvert 1058.23
- 30 6.7 Iowa Falls, at the intersection of Union and River Street, 9.8 mi S. of along U.S. Hwy. 65, T. 88 N., R. 21 W., near the center of sec. 35, 77.4 ft S. and 19.4 ft E. of; and 2.1 ft lower than centerline of road at a fence line E., 49 ft S. and 19.4 ft E. of centerline of road at E.-W. field entrances and 2.7 ft N. of a round wooden post painted black and white cemented in the top of a headwall for a 5 ft concrete box culvert, a standard tablet stamped "35 CDL 1974" 1061.151
- 32 7.4 UE 35 A, 0.7 mi S. along road from tablet, a copper nail and washer in centerline of road at T-rd. W. at offset crossroads 1079.15
- 34 8.2 UE 35 B, 1.4 mi S. along road from tablet, T. 87 N., R. 21 W. near the quarter cor. between sec. 2 and 11, 67 ft S. and 15 ft W. of; and 0.9 ft higher than centerline of bridge over S. fork of the Iowa River, a chiseled square in the SW. cor. of bridge 1043.49
- 37 8.8 Hubbard, at the jcts. of U.S. Hwy. 65 and State Hwy. 175, 6.25 mi NE. along U.S. Hwy. 65, T. 87 N., R. 21 W. at the jct. of U.S. Hwy. 65 and State Hwy. 175, in the center of sec. 11, 35.8 ft S. of the center of the Hwy. 175 at a fence S., 41.8 ft NW. of the E. concrete tie-in. monument on the S. side of hwy. and 20.7 ft N. of a T-fence S., set in the top of a concrete which projects 0.2 ft above ground, a standard disk stamped "I.G.S. 42-99" 1125.214