

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

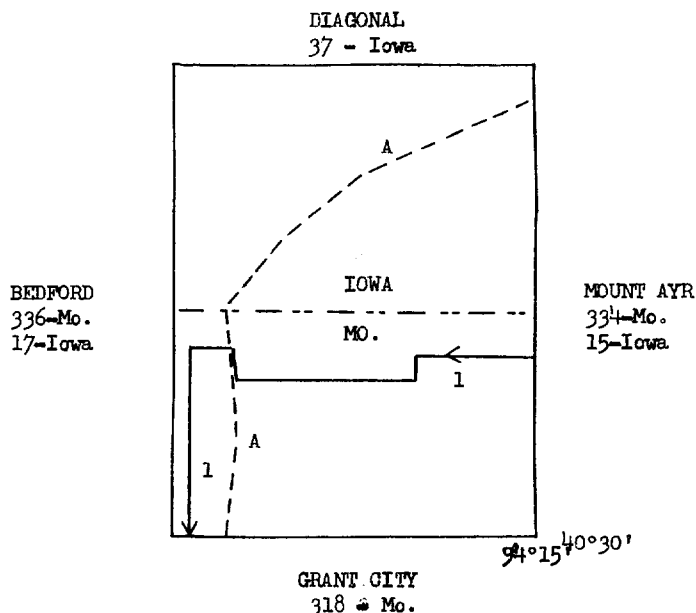
BLOCKTON QUADRANGLE
335 - MISSOURI
16 - IOWA
N4030-W9415/15
DIAGRAM NK 15-10
NEBRASKA CITY, NEB.-IA.-MO.-KAN.

Worth County

Edition of 10/1/63

PR: CVB:gh

Copied from Bulletin 898 D



USC&GS LEVELING
A. No. 400941

LINE 1

Feet

WEST THROUGH SOUTH HALF OF QUADRANGLE THENCE SOUTH (C. E. Hunter, 1936)

T. 67 N., R. 30 W., in sec. 35, 15 ft S. and 25 ft E. from T-rd. S., in concrete post; standard tablet stamped "2 H 1936 994"	993.638
Reference mark 1, 20 ft N. and 55 ft E. from T-rd. S., in root on SW. side of 18-in. oak tree; copper nail and washer	993.95
Reference mark 2, 20 ft N. and 15 ft W. from T-rd. S., in root on N. side of 6-in. elm tree; copper nail and washer	990.68
T. 67 N., R. 30 W., near quarter cor. between secs. 34 and 35, 15 ft S. and 15 ft W. from T-rd. N., on W. end of iron pipe culvert; painted square	983.08
T. 67 N., R. 30 W., near quarter cor. between secs. 33 and 34, 15 ft S. and 35 ft E. from County Route "T" at rd. E., in root on W. side of 7-in. elm tree; copper nail and washer	1093.55
County Route "T" at rd. W., on E. end of iron pipe culvert; painted square	1029.80
T. 67 N., R. 30 W., in SW 1/4 sec. 33, 15 ft N. of rd., in root on SW. side of 10-in. walnut tree; copper nail and washer	1107.85
Irena, 0.5 mi N., thence 3.8 mi E. from, near W. sixteenth cor. on N. line sec. 5, T. 66 N., R. 30 W., 22 ft S. and 580 ft E. from T-rd. S., in concrete post; standard tablet stamped "768 C W A 1934 1062"	1062.193
Irena, 0.5 mi N., thence 3 mi E. from, near N. quarter cor. sec. 6, T. 66 N., R. 30 W., 15 ft N. and 5 ft E. from T-rd. S., in root on W. side of 22-in. maple tree; copper nail and washer	1024.21
Irena, 0.5 mi N., thence 2.2 mi E. from, near E. sixteenth cor. on N. line sec. 1, T. 66 N., R. 31 W., 15 ft S. and about 300 ft E. from T-rd. S., in root on W. side of 16-in. oak tree; copper nail and washer	1068.07

BLOCKTON QUADRANGLE

335 - Missouri

16 - Iowa

LINE 1 (Cont'd)Feet

Irena, 0.5 mi N., thence 1.5 mi E. from, near N. cor. secs. 1 and 2, 25 ft S. and 15 ft W. from T-rd. S., in root on E. side of twin 8-in. elm tree; copper nail and washer	1003.23
Irena, 0.5 mi N., thence 1.0 mi E. from, near S. quarter cor. sec. 35, T. 67 N., R. 31 W., 90 ft S. and 285 ft E. from T-rd. N., in root on W. side of 14-in. oak tree; copper nail and washer	1086.73
Irena, 0.5 mi N. of, along U. S. Highway 169, near $\frac{1}{4}$ cor. sec. 34, T. 67 N., R. 31 W., 26 ft N. and 3 ft W. from crossroad, in concrete post; standard tablet stamped "767 CWA RESET 1958" (elevation lost)	
Grant City, 5.5 mi N. along the Chicago, Burlington & Quincy RR. from the RR. water tank at, 5.5 poles SE of milepost 40, at a rd. crossing, 63 ft SE. of the center of the rd., 24 ft SW. of the center of the track, 50 ft NE. of the right-of-way fence, and about 2.5 ft higher than the track; US&GS standard disk stamped "A 71 1935" and set in the top of a concrete post	1162.987
Redding, 2.9 mi SW. along the C. B. & Q. RR. from the city park at, 6 poles SE. of milepost 39, at the Iowa-Missouri State line, at a rd. crossing, 27 ft NW. of the center of the rd., 24 ft SW. of the center of the track, 21 ft NE. of the right-of-way fence, and about 2.5 ft higher than the track; US&GS standard disk stamped "N 105 1935" and set in the top of a concrete post	1171.599
Irena, 1.5 mi N., thence 1.2 mi W. from, 0.3 mi W. of N. cor. secs. 32 and 33, T. 67 N., R. 31 W., 18 ft S. of rd. on Iowa-Mo. state line, in concrete post; standard tablet stamped "766 C W A 1934 1134"	1134.352
T-rd. N., 85 ft S. and 400 ft E. from, in root on NE. side of 24-in. oak tree; crossed nails	1067.60
T. 67 N., R. 31 W., near N. cor. secs. 31 and 32, about 300 ft S. and 15 ft W. from, near rd. corner on Iowa-Mo. State line, infirmary, in root on N. side of twin 20-in. oak tree; copper nail and washer	1020.97
T. 67 N., R. 31 W., near N. quarter cor. sec. 31, 50 ft N. and 100 ft E. from rd. corner on Iowa-Mo. State line, in root on SW. side of 18-in. oak tree; copper nail and washer	983.62
T. 67 N., R. 32 W., near N. quarter cor. sec. 36, 40 ft S. and 25 ft E. from T-rd. S. on Iowa-Mo. State line, in root on NE. side of 20-in. maple tree; copper nail and washer	999.93
T-rd. S., 20 ft S. and 15 ft W. from, in root on NW. side of 20-in. oak tree; crossed nails	1057.70
T. 67 N., R. 32 W., near N. quarter cor. secs. 35, 35 ft S. and 28 ft W. from T-rd. S., on Iowa-Mo. State line, in concrete post; standard tablet stamped "761 C W A 1934 1111"	1110.837
T. 67 N., R. 32 W., near S. quarter cor. sec. 35, 20 ft S. and 55 ft E. from T-rd. N., in base on N. side of corner fence post; spike	989.10
T. 67 N., R. 32 W., near S. cor. secs. 35 and 36, 105 ft N. and 20 ft W. from T-rd. N., in root on W. side of 12-in. walnut tree; copper nail and washer	984.48
T. 66 N., R. 32 W., near quarter cor. between secs. 1 and 2, at W. end of N. seat of steel bridge over drainage ditch, on Northwesternmost rivet; chiseled cross	973.74
T. 66 N., R. 32 W., cor. secs. 1, 2, 11, and 12, 525 ft N. and 90 ft E. from crossroads, in root on SW. side of 36-in. maple tree; copper nail and washer	995.90
T. 66 N., R. 32 W., in SE $\frac{1}{4}$ sec. 11, 19 ft N. and 200 ft E. from rd. corner E.-S., in concrete post; standard tablet stamped "760 C W A 1934 1117"	1116.824
T. 66 N., R. 32 W., in E $\frac{1}{2}$ sec. 14, 25 ft E. of rd., in root on W. side of 28-in. maple tree; copper nail and washer	1113.23
T-rd. N., 20 ft N. and 60 ft W. from, in root on S. side of 14-in. elm tree; crossed nails	1083.81
T. 66 N., R. 32 W., near quarter cor. between secs. 14 and 23, 90 ft N. and 120 ft E. from T-rd. S., in root on S. side of 16-in. elm tree; copper nail and washer	1094.95

THIRD-ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

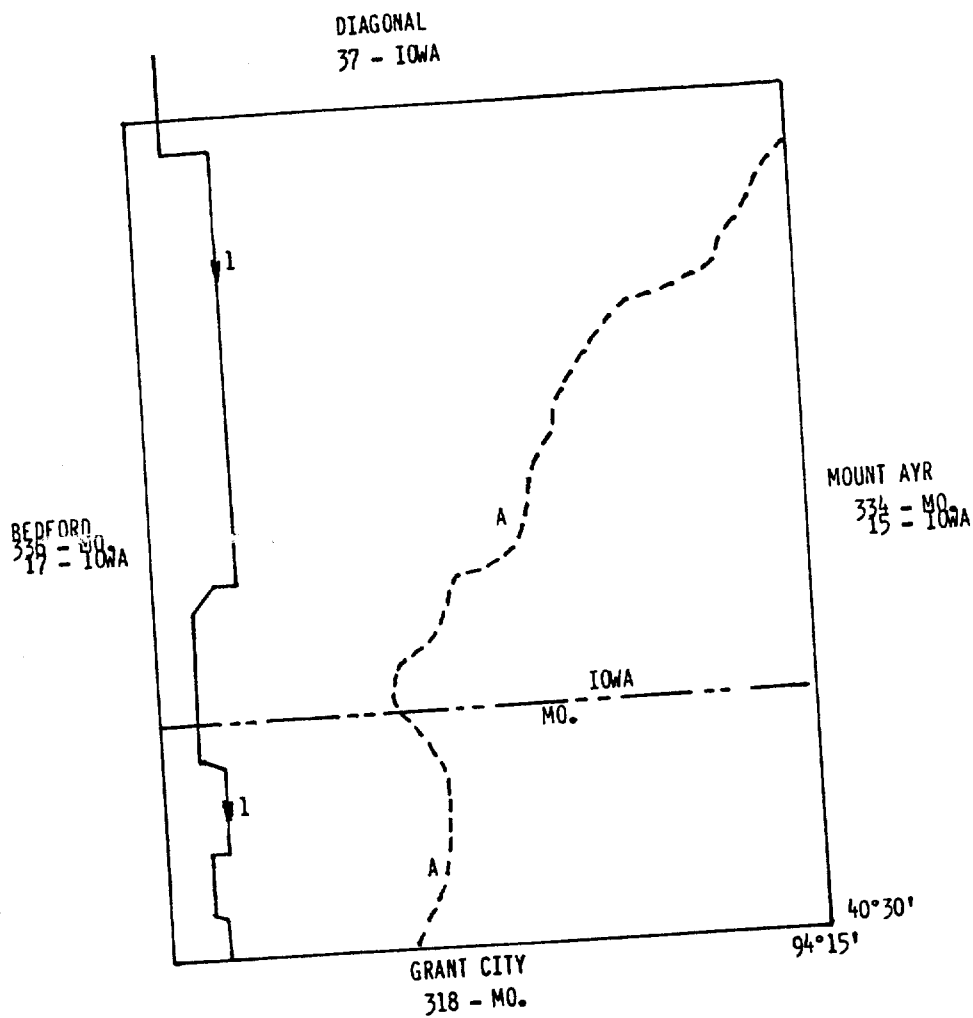
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

40-094-13
BLOCKTON QUADRANGLE
335 - MISSOURI
16 - IOWA
N4030-W9415/15
DIAGRAM NK 15-10
NEBRASKA CITY

Worth County

Edition of: 3-17-78

PR: ADP/LB/cb



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

A. Quadrangle No. 400941

16 C

2
40-094-13
BLOCKTON QUADRANGLE
335 - MISSOURI
16 - IOWA

FEET

LINE 1

DIAGONAL QUAD. - 37

J. Geurin, 1977; Book CV-3394

Line tied to Isolated Bench Marks

- 2 12 5.9 UE 10 A, about 1 mi S. of BM at crossroads, 20 ft S. and 26.5 ft W. of center of crossroads,
on S. end of concrete culvert headwall; chiseled square 1249.64

BLOCKTON QUAD. - 16 IA. - 335 MO.

- 14 6.9 Reference mark, 45.7 ft W. of BM, 27 ft N. and 27 ft W. of center of crossroads, in W. end
of round concrete culvert; chiseled square 1217.21
- 15 6.9 BM, 0.6 mi W. and 4.0 mi S. of Clearfield High School, at cor. secs. 25, 26, 35 and 36,
T. 69 N., R. 32 W., 28.3 ft N. and 17.7 ft E. of center crossroads, set in drill hole in
N. end of headwall 1221.691
- 17 7.9 UE 11 A, center crossroads; chiseled square 1232.16
- 18 8.9 UE 11 B, 1 mi E. and 1 mi S. of BM, 48 ft W. and 39 ft N. of center of crossroads, on N.
end of round concrete culvert; chiseled square 1237.87
- 19 9.9 Reference mark, 345 ft NNE. of BM, 28.8 ft E. of crossroads, 19.8 ft N. near center of
Triangle Island in center of crossroads; chiseled square 1220.77
- 20 10.0 BM, Clearfield, High School, about 0.4 mi E. and 6 S. of, 306 ft S. of center of cross-
roads, 80 ft W. at cor. secs. 1, 6, 7 and 12, T. 68 N., Rs. 31 and 32 W., mark is set in
of W. headwall about 13 ft below level of road and stamped "12 GEU 1977" 1207.545
- 21 10.9 UE 12 A, 1 mi S. of, 38 ft N. and 48 ft E. of center of crossroads, in N. end of corrugated
metal culvert, a punched hole 1235.46
- 23 12.1 Reference mark, 7 ft N. of BM, on N. end of headwall; chiseled square 1167.90
- 24 12.1 BM, Clearfield, High School, about 0.4 mi E. and 8 mi S. of near cor.secs. 13, 18, 24 and
19, T. 68 N., R. 31 and 32 W., 350 ft S. and 127 ft W. and 33 ft lower than center of road
at fence E. at dr. crossing, on S. end of W. headwall set in drillhole and stamped
"13 GEU 1977" 1167.946
- 25 12.5 UE 13 A, about 0.4 mi S. of BM, intersection of State Hwys. 2 and 25, 26.3 ft W. and 15.4 ft
S. of center of Intersection NE. corner of concrete triangle, chiseled square 1187.93
- 27 13.5 UE 13 B, about 1.75 mi S. of BM, at concrete bridge over small dr. 12.6 ft W. of N. end of
bridge on N. end of W. wheel guard, a chiseled square 1091.76

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40-094-13
BLOCKTON QUADRANGLE
335 - MISSOURI
16 - IOWA

BLOCKTON QUAD. - 16 IA. - 335 MO.

FEET

LINE 1 (Cont'd)

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|----|------|--|---|---------|
| 2 | 29 | 15.0 | Reference mark, 39.3 ft WNW. of BM, near N. end of concrete headwall; chiseled square | 1084.45 |
| 30 | 15.0 | BM, Clearfield, about 0.4 mi E. and 11.3 mi S. of; Blockton, about 0.5 mi E. and 1.3 mi N. of at R.R. crossing State Hwy. 25, 124 ft NNE. of R.R. and Hwy. crossing, 17.1 ft E. of centerline of road on S. end of 23 ft headwall set in drill hole stamped "14 GEU 1977" | 1084.488 | |
| 31 | 16.3 | Reference mark, 44.8 ft NW. of BM, on NE. side of storage bin on concrete base, chiseled square | 1081.45 | |
| 32 | 16.3 | BM, Blockton, at intersection N. most street crossing R.R., 13.6 ft W. of center of main track, 33.1 ft SW. of grade crossing, base signal light, set stamped "15 GEU 1977" | 1081.750 | |
| 33 | 17.5 | UE 15 A, 1.2 mi SW. of BM, at grade crossing, center of road, E. side track (chiseled cross) on top of bolt | 1077.09 | |
| 34 | 18.2 | UE 15 B, about 2 mi SW. of BM, at T-rd. W. at N. sixteenth cor. between secs. 23 and 24, T. 67 N., R. 32 W., 26 ft S. and 14 ft E. of center of T-rd., near center of headwall; chiseled square | 1137.62 | |
| 37 | 19.8 | Reference mark, 32.4 ft NW. of BM, in E.-W. fence, 21 ft S. of centerline of E.-W. road, top of copper coated steel rod at ground level | 1109.91 | |
| 38 | 19.8 | BM, Blockton, about 3.2 mi S. of along county road near the S. cor. of sec. 25 and 26, T. 67 N., R. 32 W., on Iowa, Mo. State line at bend in road (W.-S.) 49 ft S. of E.-W. road, 24 ft W. of N.-S. road in NE. cor. of pasture, 5 ft W. of N.-S. fence, in concrete post stamped "16 GEU 1977" | 1111.926 | |
| 40 | 20.7 | UE 16 A, about 0.9 mi S. of BM, at dim T-rd. N., 17.5 ft S. and 17.5 ft W. of T-rd. N., in S. end of 5 ft culvert (metal) punched hole | 989.09 | |
| 43 | 22.4 | UE 16 B, about 0.5 mi E. and 2.3 ft S. of BM, at T-rd. S., 16 ft N. and 15.7 ft E. of center of T-rd. S. in E. end of corrugated culvert, a punched hole | 1014.82 | |
| 45 | 23.2 | BM, T. 66 N., R. 32 W., in SE 1/4 sec. 11; 19 ft N. and 200 ft E. from road cor. E.-S., in concrete post; standard tablet stamped "760 CWA 1934 1117" | 1117.254 | |

ISOLATED BENCH MARKS

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|--|----------|
| T. 67 N., R. 30 W., in sec. 35, 15 ft S. and 25 ft E. from T-rd. S., in concrete post; standard tablet stamped "2 H 1936 994" | 994.058 |
| Irena, 0.5 mi N., thence 3.8 mi E. from; near W. sixteenth cor. on N. line sec. 5, T. 66 N., R. 30 W., 22 ft S. and 580 ft E. from T-rd. S., in concrete post; standard tablet stamped "768 CWA 1934 1062" | 1062.633 |

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40-094-13
BLOCKTON QUADRANGLE
335 - MISSOURI
16 - IOWA
FEET

ISOLATED BENCH MARKS (Cont'd)

Irena, 0.5 mi N. of, along U.S. Hwy. 169, near S½ cor. sec. 34, T. 67 N., R. 31 W., 26 ft N. and 3 ft W. from crossroad, in concrete post; standard tablet stamped "767 CWA RESET 1958" (Elevation lost)

Grant City, 5.5 mi N. along the Chicago, Burlington, & Quincy R.R. from the R.R. water tank at, 5.5 poles SE. of MP 40, at a road crossing, 63 ft SE. of the center of the road, 24 ft SW. of the center of the track, 50 ft NE. of the right-of-way fence, and about 2.5 ft higher than the track; USC&GS standard disk stamped "A 71 1935" and set in the top of a concrete post

1162.987

Redding, 2.9 mi SW. along the C. B. & Q. R.R. from the city park at; 6 poles SE. of MP 39, at the Iowa-Missouri state line, at a road crossing, 27 ft NW. of the center of the road, 24 ft SW. of the center of the track, 21 ft NE. of the right-of-way fence, and about 2.5 ft higher than the track; USC&GS standard disk stamped "N 105 1935" and set in the top of a concrete post

1171.599

Irena, 1.5 mi N., thence 1.2 mi W. from; 0.3 mi W. of N. cor. secs. 32 and 33; T. 67 N., R. 31 W., 18 ft S. of road on Iowa-Mo. state line, in concrete post; standard tablet stamped "766 CWA 1934 1134"

1134.782

T. 67 N., R. 32 W., near N. quarter cor. secs. 35; 35 ft S. and 28 ft W. from I-rd. S., on Iowa-MO. state line, in concrete post; standard tablet stamped "761 CWA 1934 1111"

1111.267

T. 66 N., R. 32 W., near quarter cor. between secs. 1 and 2; at W. end of N. seat of steel bridge over drainage ditch on Northwesternmost rivet; chiseled cross

974.17

T. 66 N., R. 32 W., in SE¼ sec. 11; 19 ft N. and 200 ft E. from road cor. E.-S., in concrete post; standard tablet stamped "760 CWA 1934 1117"

1117.254