

OFFICE COPY HOLD

THIRD-ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

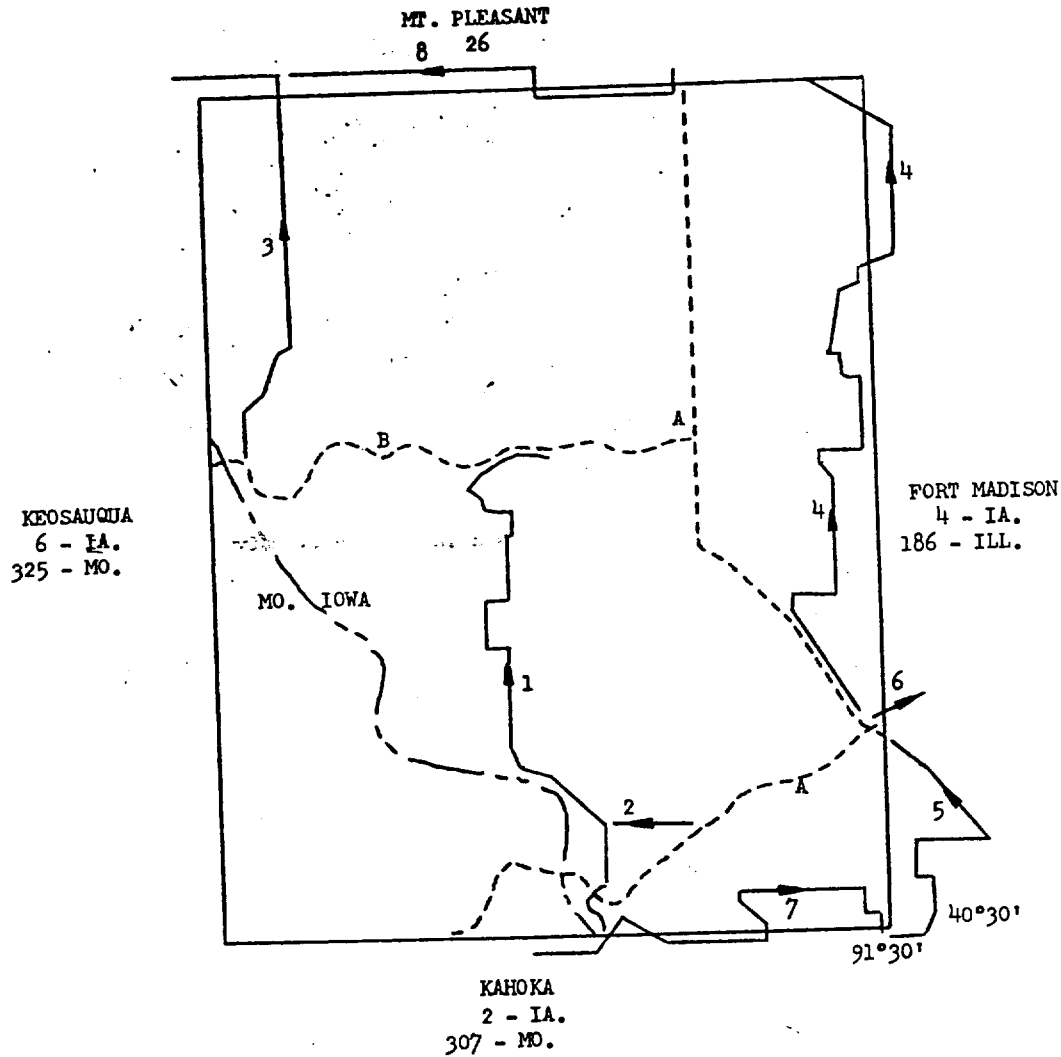
Clark County, Missouri
Lee County, Iowa

Edition of: 3-16-77

PR: ADP/LB/cb

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

40-091-42
DONNELSON QUADRANGLE
324 - MISSOURI
5 - IOWA
N4030-W9130/15
DIAGRAM NK 15-12
BURLINGTON



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

A. Quadrangle No. 400914

5 D

LINE 1

FEET

R.G. Wood, 1966; Book CV-2050

DONNELLSON QUAD. - 5 IA.

NOTE: Elevations are to be considered pareliminary pending reruns.

- 0.0 Vincennes, 1.5 mi W. of; in sec. 19; T. 66 N., R. 6 W.; about 600 ft NE. of Independent School; at T-rd. SW., 46 ft normal to and on SW. side of road NW.-SE.; 22 ft normal to and NE. of Chicago, Rock Island and Pacific R.R.; 19 ft normal to and NW. of road SW.; 7 ft NW. of R.R. crossing signpost; in concrete post; a standard tablet stamped "TT 20 C 1948" 559.235
- 0.6 UE 20 C A; about 0.6 mi NW. along a gravel road from; 8 ft SW. and 2.7 ft higher than road; 10.2 ft higher than drain; and in center of SW. concrete headwall; a chiseled square 531.75
- 1.2 UE 20 C B; about 1.2 mi NW. along a gravel road from tablet; 21 ft NE.; 14 ft NW. and 0.3 ft lower than R.R. crossing gravel road; on SE. corner of concrete signal post; a chiseled square 588.55
- 1.8 UE 20 C Z, about 1.2 mi NW. of R.R. crossing; thence about 0.5 mi NE. from crossing; W. and 5.1 ft lower than road at drain crossing; on W. end of a steel culvert 640.63
- 2.4 UE 20 C X; about 1.2 mi NW. along a gravel road from tablet; thence about 1.1 mi N. along a road from; in center of gravel road at fence E.; set on turning plate 0.2 ft higher than ground 681.7
- 2.9 Reference mark, 110 ft S. of tablet; 10 ft S. and 50 ft E. of center of Y-rd. intersection; on N. side of telephone pole; a R.R. spike 676.37
- 2.9 Farmington, about 7.5 mi S. and about 7 mi E. of; 2 mi W. of Argyle, T. 66 N., R. 6 W. and 7 W.; near quarter cor. secs. 7 and 12; 86 ft NE., 44 ft N. and lower than center of Y-road; 27.5 ft W.-SW. of 18-in. oak tree; 6 ft S. of fence and in concrete post; standard tablet stamped "1 RGW 1966" 666.665
- 3.8 UE 1 RGW A; about 0.9 mi NW. along a gravel road from tablet; 17 ft NW. and about 3 ft lower than road at drain; on NW. end of a 30-in. corrugated steel culvert; a chiseled mark 566.03
- 4.5 UE 1 RGW B, about 1.5 mi NW. along a gravel road from; 23.5 ft N., 33 ft E. and 1.8 ft higher than T-rd. N., on N. side of telephone pole; a R.R. spike 527.09
- 5.5 UE 1 RGW C, about 2.5 mi NW. along a gravel road from tablet; 10.5 ft S., 20.5 ft W. and 0.3 ft lower than center of bridge; in top of SW. wooden piling; a copper nail and washer 527.79
- 6.3 Reference mark, about 160 ft SW. of tablet; 25 ft W. of center of gravel road; and on NE. side of telephone pole; a rail spike 681.90
- 6.6 Farmington, about 5 mi S. and about 5 mi E. of; 2 mi N. and about 4 mi W. of Argyle; T. 67 N., R. 7 W.; near quarter cor. secs. 34 and 35, 3 ft S., 32 ft E. and 0.8 ft lower than N.-S. road at field entrance W.; at top of hill; 15 ft SW. of a clump of three small hickory trees; W. of E. right-of-way fence, and in concrete post; a standard tablet stamped "2 RGW 1966" 682.743
- 7.3 UE 2 RGW A, about 0.8 mi N. along a gravel road from; 31 ft W. of center of gravel road and on N. side of power pole; a rail spike 685.99
- 8.0 UE 2 RGW B, about 1.4 mi N. along a gravel road from tablet; 31 ft S., 39 ft W. and 1.1 ft higher than T-rd. S., on W. side of telephone pole; a rail spike 705.72
- 8.5 UE Centerline 2 RGW C; 1.4 mi N. thence 0.5 mi W. along a gravel road from tablet; in center of T-rd. N. 693.5

LINE 1 (Cont'd)

DONNELLSON QUAD. - 4 IA. - 324 MO.

FEET

- | | |
|---|---------|
| 9.6 Reference mark; 130 ft W. of tablet; on E. side of telephone pole in center of triangle formed by T-rd. S.; a rail spike | 711.97 |
| 9.6 Farmington, about 2.5 mi S. and about 4.5 mi E. of; 2.5 mi E. and 1 mi N. of Croton; T. 67 N., R. 7 W.; near quarter cor. secs. 15 and 22; 3/4 ft S., 100 ft E. and 1.2 ft higher than T-rd. S.; 6 ft W. of telephone pole; 3 ft N. of S. right-of-way fence and in concrete post; a standard tablet stamped "3 RGW 1966" | 711.361 |
| 10.5 UE 3 RGW A; 0.5 mi E., thence 0.5 mi N. along a gravel road from tablet; 36 ft S., 37 ft E. and 1.3 ft higher than T-rd. E., on W. side of telephone pole; a rail spike | 709.28 |
| 11.3 UE 3 RGW B; 0.5 mi E., thence 1.3 mi N. along a gravel road from tablet; 132 ft S., 29 ft E. and same elevation as T-rd. S.; on NW. side of telephone pole; a rail spike | 712.16 |
| 12.4 UE 3 RGW C; about 0.5 mi E., thence 1.8 mi N., thence about 0.5 mi W. along a gravel road from tablet; 50 ft SW., 20 ft NW. (normal to curve in road), and on NW. end of 16-in. iron culvert; a chiseled mark | 707.61 |
| 13.3 Reference mark; about 600 ft W. of tablet; 33 ft S., 104 ft W. and 6.9 ft lower than State Hwy. 2 at gravel T-rd. S., on E. end of a 3 ft concrete box culvert; a chiseled square | 695.02 |
| 13.3 Farmington, about 5 mi E. along State Hwy. 2 from; T. 67 N., R. 7 W.; near center of sec. 3; E. of T-rd. S., 50 ft S. and 18 ft E. of hwy. at a field entrance S., 12 ft E. of corner of a gate, 2 ft N. of S. right-of-way fence and in concrete post; a standard tablet stamped "4 RGW 1966" | 708.952 |
| 14 UE 4 RGW A; 0.8 mi E. along State Hwy. 2 from tablet; 26 ft S., 40 ft E. and 2.4 ft lower than T-rd. N., on S. end of 30-in. concrete tube culvert; a chiseled square | 681.54 |
| 15.0 UE 4 RGW B; 1.8 mi E. along State Hwy. 2 from tablet; in center of hwy. at N.-S. gravel cross-roads | 678.1 |
| 17.4 Donnellson, 1 mi W. along the Chicago, Burlington and Quincy R.R. from the station at; Lee County, at pole, 34+05; at a road crossing; 42 ft W. of the center of the road; 42 ft N. of the center of the track; 3 ft S. and 6 ft W. of a right-of-way fence corner; and 3 ft lower than the track, a standard USC&GS disk stamped "B 122 1935" and set in the top of a concrete post | 662.374 |

LINE 2

R.G. Wood, 1966; Book CV-2050

DONNELLSON QUAD. - 5 IA.

- | | |
|--|---------|
| 0.0 At Argyle, Lee County, on the Atchison, Topeka and Santa Fe R.R.; 200 ft SW. of the station; at road crossing; 55 ft NE. of the center of the road; 20 ft SE. of the center of the SE. track, 2 ft NE. of a pole; and 6-in. lower than the track, a standard USC&GS disk stamped "P 120 1935" and set in the top of a concrete post; | 669.680 |
| 1.2 UE N 120 A; about 1.1 mi W. along a gravel road from tablet; 100 ft W. and 21 ft N. of road turn NW., on SW. end of an 18-in. corrugated steel culvert | 681.92 |
| 2.1 "1 RGW 1966" (previously described in line 1) | 666.665 |

LINE 3

FEET

R.G. Wood, 1966; Book CV-2050

DONNELLSON QUAD. - 5 IA.

- 0.0 At Farmington, Van Buren County, at the crossing of the C.B. & Q. R.R. and the C.R.I & P. R.R.; 240 ft SE. of the station, at a 4 by 6 ft concrete culvert under a road and the track; at the Pearl Street crossing; 25 ft S. of the Pearl Street; 18 ft W. of the center of the track, in the top of the SE. end of the NE. concrete guard rail and 6-in. lower than the track; a standard USC&GS disk stamped "W 121 1935" 569.454
- 1.0 UE W 121 A, about 1 mi N. along a gravel road from disk; 33 ft E. of center of T-rd. W.; and on W. side of a power pole; a R.R. spike 611.95
- 2.3 UE W 121 B; about 2.3 mi N. along a gravel road from disk; 26 ft S., 25 ft W. and 7.6 ft lower than T-rd. W.; on W. end of a 24-in. corrugated steel culvert; a chiseled mark 701.45
- 3.2 Reference mark, about 320 ft S.-SW. of tablet; 105 ft S., 24 ft W. and 2.8 ft lower than N.-S. road at drive E. to farmhouse; on W. end of 24-in. concrete tube culvert; a chiseled square 703.71
- 3.2 Farmington, about 3 mi N. of; T. 68 N., Rs. 7 and 8 W.; near N. sixteenth cor. secs. 19 and 24; 221 ft N. and 34 ft E. of N.-S. gravel road at drive to farmhouse; 6.5 ft NW. of a power pole; 2 ft W. of E. right-of-way fence, and in concrete post; a standard tablet stamped "5 RGW 1966" (To be RESET letter 12-10-70, Co. Eng.) 711.905
- 4.1 UE 5 RGW A, 0.8 mi N. along a gravel road from tablet; 34 ft N., 33 ft E. and 0.5 ft lower than crossroad; on W. side of power pole; a R.R. spike 728.11
- 5.1 UE 5 RGW B, 1.8 mi N. along a gravel road from tablet; 29 ft S., 30 ft W. and 0.3 ft lower than N.-S. road at E.-W. fence; on E. side of telephone pole; a R.R. spike 732.16
- 5.1 Reference mark, 170 ft SE. of tablet; 19 ft S., 34 ft E. and 1.1 ft lower than N.-S. road at drive to farm house; on W. side of transformer power pole; a rail spike 735.17
- 6.1 Farmington, about 6 mi N. of; T. 68 N., Rs. 7 and 8 W.; near approximate N. sixteenth cor. secs. 1 and 6; 22 ft S., 31 ft W. and 0.5 ft lower than dim T-rd. E.; 5 ft SW. of a telephone pole; 2 ft E. of W. right-of-way fence, about 120 ft NW. of NW. corner of Wendell Watkins farmhouse; and in concrete post; a standard tablet stamped "6 RGW 1966" (To be RESET letter 12 -10-70, Co. Engr.) 736.143
- 6.6 UE 6 RGW A, 0.5 mi N. along a gravel road from tablet; in center of paved E.-W. county hwy.; a copper nail and washer 740.66
- 7.6 UE 6 RGW B, 1.5 mi N. along a gravel road from tablet; 23 ft S., 30 ft W. and 3.2 ft lower than crossroad; on S. end of 24-in. concrete tube culvert; a chiseled square 739.52
- MOUNT PLEASANT QUAD. - 26
- 8.6 Reference mark, about 660 ft S. of tablet; 30 ft E. of center of road at drain crossing; and on E. end of 30-in. concrete tube culvert; a chiseled square 727.65
- 8.6 Farmington, about 8.5 mi N. of; about 4 mi N. and 4.5 mi E. of Bonaparte; T. 69 N., Rs. 7 and 8 W.; near approx. cor. secs. 24, 25, 19 and 30; 36 ft S., 32 ft E. and 2.4 ft lower than crossroads; 6 ft S. of telephone pole; 1.5 ft W. of E. right-of-way fence, and in concrete post; a standard tablet stamped "7 RGW 1966" 737.881
- 10.0 UE 7 RGW A, 1.3 mi W. along a gravel road from tablet; 33 ft S., 120 ft E. and 3.2 ft lower than road at driveway N.-S.; on NW. side of power pole; a rail spike 731.18
- MT. ZION QUAD. - 27 IA.
- 10.9 Reference mark, 43 ft NE. of tablet; 21 ft N., 6 ft E. and 2.1 ft lower than E.-W. road at field entrance N., on E. end of 24-in. concrete tube culvert; a chiseled square 739.79

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40-091-42
DONNELLSON QUADRANGLE
324 - MISSOURI
5 - IOWA

LINE 3 (Cont'd)

MT. ZION QUAD. - 27 IA.

FEET

- 10.9 Bonaparte, about 4 mi N. and about 2.2 mi E. of; T. 69 N., R. 8 W., near quarter cor. secs. 22 and 27; about 600 ft W.-SW. of Fred Eden farmhouse; 18 ft S., 38 ft W. and 1.3 ft lower than E.-W. road at field entrance N., 10 ft W. of road at field entrance S., in concrete post, 2 ft E. of standard witness post; a standard tablet stamped "ET 6 RFP 1966" 740.648
- 11.7 UE 6 RFP A; 0.7 mi W. along E.-W. gravel road from tablet; in center of paved county hwy.; a copper nail and washer 734.38

LINE 4

R. Moran, 1963; Book CV-1578

DONNELLSON QUAD. - 5 IA.

- 0.0 New Boston, 0.8 mi SW. along the A.T. & S.F. R.R. from the station at; at underpass 244 B A (U.S. Hwy. 161 overpass), in face of the SW. pile in the row of piles nearest the NW. track, 25 ft NW. of the center of NW. track, and 3 ft above the track, a USC&GS standard disk stamped "R 120 1935" and set vertically 666.272
- 0.2 UE, Montrose, 1.4 mi N. and 4.1 mi W. of, in U.S. Hwy. 218 overpass, at A.T. & S. F. RR.; 12 ft NE. of center of hwy. in SE. end of curb; copper nail and washer 690.61
- 1.3 UE, Charleston, 1.8 mi SE. of along U.S. Hwy. 218; 1.1 mi NW. of tablet; 85 ft N. of telephone pole by fence on NE. side; 15 ft SW. of center of Hwy. 218; SW. end of concrete culvert; chiseled square 691.09
- 2.0 UE Charleston, 1 mi SE. of along Hwy. 128; 40 ft SW. of center of Hwy. 218; SW. of 42-in. elm tree, on fence line on NE. side of hwy.; SW. headwall; in circle of "9" of impressed date "1920"; chiseled circle 681.01
- 2.6 UE, Charleston, 0.55 mi SE. of along U.S. Hwy. 218; 18 ft NE. of center of Hwy. 218; 50 ft SE. of fence corner; NE. headwall of culvert; chiseled square 689.32
- 3.0 Donnellson, 6.7 mi SE. of junction of Hwy. 218 and State Hwy. 2; in Charleston; 0.2 mi E. of N $\frac{1}{4}$ sec. 22, T. 67 N., R. 6 W.; SW. corner of Charleston Park; 60 ft N. and 400 ft W. of intersection of U.S. Hwy. 218 and Co. Road "K", 27 ft E. of center of N.-S. road; between two 12-in. elm trees; in concrete post; projecting 6-in. above ground; standard tablet stamped "1 RWM 1963" 698.735
- 3.5 UE, Charleston, 0.5 mi N. along gravel road at T-rd. intersection; 51 ft W. of intersection at fence corner; a rail spike in telephone pole 700.95
- 3.9 UE, Charleston, 1 mi N. and E. along gravel road; 30 ft N. and 48 ft W. of intersection of road road leading to white farmhouse; N. end of corrugated culvert 679.07
- 4.5 UE, Charleston, 1.6 mi N. and E. along gravel road; 33 ft S. of center of road; 24 ft W. of fence corner; a rail spike in telephone pole 697.42
- 5.3 UE, Charleston, 2.3 mi N. and E. along gravel road; 27 ft N. and 27 ft W. of intersection of road and road leading to red barn; a rail spike in telephone pole 695.85

FORT MADISON QUAD. - 4 IA.

- 6.0 Donnellson, 2.25 mi S. and 2.25 mi E. of junction of Hwy. 218 and 2; 3.1 mi N. and E. of Charleston along gravel road; 0.25 mi S. of N $\frac{1}{4}$ sec. 13; T. 67 N., R. 6 W.; 186 ft S. of center of concrete and steel bridge; 33 ft E. of N.-S. road; 3 ft S. of E.-W. fence; in concrete post; projecting 6-in. above ground; a standard tablet stamped "2 RWM 1963" 593.193

LINE 4 (Cont'd)

PORT MADISON QUAD. - 4 IA.

FEET

- 6.0 Reference mark; 255 ft S. of tablet; NW. cor. of concrete and steel bridge; 10 ft W. of center of bridge; by concrete rail abutment; chiseled square in curb 596.12
- 6.8 Charleston, 3.9 mi N. and E. along gravel road; 1 mi from junction of gravel road and State Hwy. 2; 42 ft S. and 66 ft W. of T-intersection; rail spike in telephone pole 692.54
- 7.4 UE, Charleston, 4.6 mi N. and E.; 0.3 mi from Hwy. 2; NW. cor. of T-junction; 100 ft SW. of windmill; 35 ft W. of N.-S. gravel road; rail spike in telephone pole 693.66
- 8.0 UE, Donnellson, 4.3 mi E. along State Hwy. 2, from junction of U.S. Hwy. 218 and State Hwy. 2; in fill of hwy. across valley; 21 ft S. of center of hwy.; in S. end of concrete culvert; chiseled square 462.32
- 8.5 UE Donnellson, 3.8 mi E. along State Hwy. 2 from junction of U.S. Hwy. 218 and State Hwy. 2; 36 ft N. and 21 ft W. of junction of drive and Hwy. 2; drive leading to Lachman's residence; rail spike in telephone pole 698.92

DONNELLSON QUAD. - 5 IA.

- 9.2 UE, Donnellson, 3.1 mi E. along Hwy. 2 from junction of Hwy. 210 and 2; 51 ft SW. and 33 ft SE. of intersection of Hwy. 2 and road going to garage; by fence corner; a rail spike in telephone pole 680.12
- 9.8 UE, Donnellson, 2.6 mi E. along Hwy. 2 from junction of 218 and 2; at T-intersection of 2 and road; at corner of chain link fence; 30 ft SW. of center of road; a rail spike in telephone pole 694.17
- 10.2 UE, Donnellson, 3.1 mi E. and N. along Hwy. 2 and gravel road from junction of Hwy. 218 and State 2; 0.8 mi W. from tablet "3 RWM" along gravel road; 60 ft NW. of intersection of fence lines; 27 ft SW. of center of road; rail spike in telephone pole 697.52

PORT MADISON QUAD. - 4 IA.

- 11.0 Donnellson, 3.5 mi E. of junction of U.S. 218 and State 2, 1 mi E. of Franklin Station, 0.25 mi N. of S₄ cor. sec. 36; T. 68 N., R. 6 W., 135 ft S. and 37 ft W. of T-rd. N.; 44 ft S. of center of R.R. track; 9 ft W. of fence corner; 5 ft N. of E.-W. fence; in concrete post; projecting 8-in. above ground; standard tablet stamped "3 RWM 1963" 648.950
- 12.0 UE, Franklin, 2.2 mi S. and E. along gravel road from "4 RWM", 0.4 mi N. along gravel road from "3 RWM" at intersection of fence lines; 30 ft E. of center of road; rail spike in telephone pole 697.05
- 12.2 UE Franklin, 1.4 mi S. and E. along road from "4 RWM", 1.2 mi N. along gravel road from "3 RWM" in wingwall abutment; NW. corner of bridge; copper nail and washer 616.60

DONNELLSON QUAD. - 5 IA.

- 13.0 UE Franklin, 0.6 mi S. and E. from tablet "4 RWM", 2 mi N. and W. along gravel road from "3 RWM"; 16 ft E. of center of road 665.7
- 13.5 Donnellson, 2 mi N. and 3 mi E. of junction of U.S. Hwy. 218 and State Hwy. 2; in center of Franklin; 0.25 mi W. of NE. cor. sec. 26; T. 68 N., R. 6 W.; in Franklin Park; 42 ft W. from center of gravel road; 96 ft E. of SE. corner of Park Pavillion; 24 ft S. of maple tree; 18 ft W. of telephone pole; in concrete post; projecting 6-in. above ground; standard tablet stamped "4 RWM 1963" 696.688

LINE 4 (Cont'd)

DONNELLSON QUAD. - 5 IA.

FEET

- 13.9 UE Franklin, 0.3 mi N. and E. along Co. road "D", 27 ft S. and 27 ft E. of intersection of farm road and "D", in S. flat wingwall; chiseled square 619.55
- 14.4 UE Franklin, 0.95 mi N. and E. along Co. hwy. "D" from tablet; in concrete and steel bridge; in concrete curb near abutment of NW. corner; 12 ft W. of center of "D" road; chiseled square 582.21
- 15.1 UE, Franklin, 1.6 mi N. and E. along Co. road. "D" from tablet; on steel bridge; in concrete curb; near NW. cor. of bridge; 12 ft from center of road; chiseled square 577.19
- 15.2 UE Franklin, 1.8 mi N. and E. along Co. road "D" from tablet; in NW. cor. of yard; at edge of small garden; 31 ft W. of center of Co. road "D", rail spike in telephone pole 637.74
- 15.8 UE Franklin, 2.4 mi N. and E. along Co. road "D" from tablet; 24 ft S. and 15 ft E. of intersection of Co. road "D" and drive to Fraise House; rail spike in telephone pole 693.85
- 16.3 UE, Franklin, 2.8 mi along Co. road "D" from tablet; 30 ft N. of center of road; 33 ft SW. of two 24-in. cottonwood trees; rail spike in telephone pole 689.17

FORT MADISON QUAD. - 4 IA.

- 16.6 UE, Franklin, 3.3 mi N. and E. along Co. Road "D" from tablet; 36 ft S. of fence corner; 33 ft W. of center of "D" 2 ft E. of fence; a rail spike in telephone pole 705.04
- 17.1 West Point, 2.2 mi W. of along Co. road "D", 3.7 mi N. of Franklin along Co. road "D", 0.35 mi W. of E. cor. sec. 12; T. 68 N., R. 6 W.; 792 ft SW. thence 36 ft NW. of "Y" in intersection of Co. road "D" and gravel road; 27 ft NE. of telephone pole; 3 ft SE. of fence; in concrete post; projecting 6-in. above ground; standard tablet stamped "5 RWM 1963" 661.366
- 17.4 UE, West Point, 1.75 mi W. of along Co. road "D", 0.45 mi N. and E. of tablet; at Y-jct.; W. side of road at S. angle of road junction; 25 ft W. of center of road; spike in tele. pole 702.68
- 18.2 UE, West Point, 2 mi along Hwy. 103 from junction of Hwy. 103 and Co. road "D" in W. point, at T-junction of road and Hwy.; 35 ft N. and 30 ft W. of intersection; on W. end of round concrete culvert; chiseled square 634.38
- 18.7 UE, West Point, 2.65 mi W. from along State Hwy. 103 and N. along gravel road from junction of Hwy. 103 and Co. "D", 0.6 mi from tablet "6 RWM"; S. along gravel road; at crossroads; 45 ft N. of center of E.-W. road and 38 ft W. of center of N.-S. road; rail spike; in telephone pole 706.70
- 19.3 West Point, 2 mi W. and 1 mi N. of; near W. quarter cor. secs. 31, T. 69 N., R. 5 W., 528 ft N. of T-rd. intersection; 50 ft E. of center of C.B. & Q. R.R. and road crossing; 34 ft NE. from center of track; in concrete post; 6-in. above ground; standard tablet stamped "6 RWM 1963" 688.990
- 20.2 UE, junction, 3.05 mi E. of along "G" from junction of U.S. Hwy. 218 and Co "G"; 1 mi W. of tablet; along "G" at T-rd. junction; 36 ft S. and 35 ft E. of center of junction; rail spike in telephone pole at fence corner 692.64

DONNELLSON QUAD. - 5 IA.

- 20.8 UE, junction, 2.4 mi E. of along Co. road "G" from junction of U.S. Hwy. 218 and Co. Road "G", 1.6 mi W. of tablet; along "G" in SE. cor. of bridge; in bend of bridge; copper nail and washer 615.27

LINE 4 (Cont'd)

DONNELLSON QUAD. - 5 IA.

FEET

- 21.2 West Point, 1.5 mi N. and 3.5 mi W. of; 1.5 mi S. of St. Paul, near SW. cor. sec. 26; T. 69 N., R. 6 W.; 36 ft N. and 30 ft E. of center of T-rd.; 5 ft W. of telephone pole, 2 ft S. of fence 33 ft NE. of center of Co. Road "G" in concrete post, projecting 9-in. above ground; standard tablet stamped "7 RWM 1963" 691.906
- 22.1 UE, junction, 1.5 mi E. along Co. Road "G" from junction of U.S. Hwy. 218 and Co. Road "G", at crossroads; 22 ft S. and 18 ft E. of intersection; on corrugated culvert 692.8
- 22.2 UE, junction, 1.4 mi E. along Co. Road "G" from junction of U.S. Hwy. 218 and Co. Road "G", 34 ft N. of road; 57 ft E. of drive; a rail spike in telephone pole 702.94
- 23.6 UE, Junction, 100 ft E. from junction of U.S. Hwy. 218 and Co. road "G"; S. end of culvert; 25 ft SE. of road; painted square on corrugated culvert 686.6
- 24.6 Donnellson, 7.6 mi N. along U.S. Hwy. 218 from crossing of C.B. & Q. R.R. at the junction of a farm road leading E.; 30 ft E. of center of hwy., 24 ft S. of the center of road; 3 ft S. of a fence corner, 6-in. W. of a fence, and 1 ft lower than the hwy.; a USC&GS standard disk stamped "T 122 1935" and set in the top of a concrete post 710.642

LINE 5

C.R. Nickerson, 1963; Book CV-1580

KAHOKA QUAD. - 2

- 0.0 Vincennes, 3.75 mi E. of; about 0.8 mi E. of Oak Grove School; near quarter cor. secs. 24 and 25; T. 66 N., R. 6 W., 30 ft S. and 32 ft W. of center of T-rd. E.; 14 ft S. of the S. gatepost at gate in field; 1 ft E. of fence; in concrete post; standard tablet stamped "TT 22 C 1948" 556.696

KAHOKA QUAD. - 1

- 0.8 UE, Montrose, 2.8 mi S. and 3.7 mi W. of; near NW. cor. sec. 30; T. 66 N., R. 5 W., 65 ft N. and 60 ft W. of road fork; in S. end of sidewalk leading to Oak Grove Lutheran Church; a chiseled square 669.05

FORT MADISON QUAD. - 4

- 1.6 UE, Montrose, 2.2 mi S. and 3.4 mi W. of; near center of sec. 19, T. 66 N., R. 5 W.; at crest of hill opposite field entrance E.; 33 ft W. of center of road; in SE. side of power pole; 12 in. above ground; a rail spike 680.18
- 2.3 UE, Montrose, 1.5 mi S. and 3.4 mi W. of; near center sec. 18, T. 66 N., R. 5 W., at right angle bend in road; 12 ft SW. of center of road; on metal culvert 670.1
- 3.1 Montrose, 0.8 mi S. and 3.7 mi W. of post office; 1.5 mi W. of junction of U.S. Hwy. 218 and Co. road "J" near SW. cor. of sec. 7, T. 66 N., R. 5 W., 34 ft N. and 30 ft W. of T-rd. S.; 2.5 ft W. of telephone pole; in concrete post projecting 6-in. above ground; standard tablet stamped "1 CRN 1963" 674.633
- 3.1 Reference mark; 80 ft E. of tablet; 13 ft N. of center of Co. road "J" in top of headwall of concrete culvert; chiseled square 674.96
- 3.4 UE, Montrose, 8 mi S. and 3.3 mi W. of; near S $\frac{1}{4}$ cor. sec. 7; T. 66 N., R. 5 W., center of road at drive N.; copper nail and washer 677.98

FORT MADISON QUAD. - 4

FEET

LINE 5 (Cont'd)

- 4.0 UE, Montrose, 0.8 mi S. and 2.8 mi W. of; near SW. cor. sec. 8, T. 66 N., R. 5 W., center of road at fence S.; copper nail and washer 681.48
- 5.1 UE, Montrose, 0.4 mi S. and 2.5 mi W. of; 0.4 mi NW. from junction of U.S. Hwy. 218 and Co. road "J", 15 ft SW. of center of hwy.; in top of headwall of concrete culvert; chiseled square 685.75
- 5.1 Montrose, 0.4 mi N. and 3.4 mi W. of post office; 2.3 mi SE. along U.S. Hwy. 218 from New Boston, near SE. cor. sec. 6, T. 66 N., R. 5 W.; 320 ft SE. of and 61 ft SW. of T-rd. NE., 2.5 ft E. of power pole; 1 ft N. of E.-W. fence; in concrete post; projecting 6-in. above ground; standard tablet stamped "2 CRN 1963" 690.965
- 5.1 Reference mark, 310 ft NW. of tablet; 70 ft SW. of center of hwy. at NW. end of sidewalk; in N. cor. chiseled square 690.05
- 7.0 UE, Montrose, 0.8 mi N. and 3.6 mi W. of; 1.2 mi SW. of U.S. Hwy. 218 at overpass at A.T. & S. F. R.R.; 76 ft NE. of center of hwy. at SW. end of sidewalk; in NE. cor. chiseled square 685.43
- 7.6 UE, Montrose, 1.4 mi N. and 4.1 mi W. of; 0.4 mi SW. of U.S. Hwy. 218 overpass at A. T. & S. F. RR., 126 ft NW. of Y-rd. and 15 ft SW. of center of hwy.; in top of headwall of concrete culvert; chiseled square; hole 692.45

DONNELLSON QUAD. - 5 IOWA

- 8.3 USC&GS "R 120 1935" (Described in Line 4) 666.272

LINE 6

C.R. Nickerson, 1963; Book CV-1580

DONNELLSON QUAD. - 5 IA.

- 0.0 USC&GS "R 120 1935" (Described in line 4) 666.272

FORT MADISON QUAD. - 4 IA.

- 1.2 UE, Montrose, 2.2 mi N. and 3.6 mi W. of; 1.1 mi NE. along A.T. & S.F. RR. from hwy. 218 overpass; close to milepost 243; 18.5 ft SE. from center of two tracks; on bolt in box beside signal; chiseled cross 628.65
- 2.4 UE, Montrose, 2.8 mi N. and 2.6 mi W. of; 2.5 mi NE. along A.T. & S.F. RR. from Hwy. 218 overpass; in tie on NW. track; copper nail and washer 576.16

LINE 7

KAHOKA QUAD. - 2 IOWA

R.E. Carey, 1948; Book CV-134

- Revere, 2 mi E. of, in sec. 26, T. 65 N., R. 7 W.; 25 ft N. and 5 ft E. of center of T-rd. S., 3 ft S. of fence line, in concrete post; standard tablet stamped "TT 19 C 1948" 685.244
- Reference mark, 150 ft S. and 25 ft W. of T-rd. S.; in root on SE. side of 8-in. wild cherry tree; copper nail and washer 684.58
- T. 66 N., R. 7 W.; in SE. cor. of NW $\frac{1}{4}$ sec. 25; about 300 ft W. of curve that curves from the N. to W., 20 ft N. and 12 ft W. of private drive-in. N., in root on N. side of 14-in. elm tree; copper nail and washer 672.77

LINE 7 (Cont'd)

KAHOKA QUAD. - 2 IOWA

FEET

T. 66 N., R. 7 W.; in SE. cor. of SE $\frac{1}{4}$ of sec. 24, on SW. bank of Des Moines River, 45 ft E. of center of road; in root in W. side of 18-in. elm tree; copper nail and washer 518.83

DONNELLSON QUAD. - 5 IA.

Vincennes, 1 mi W. and 0.5 mi N. of, T. 66 N., R. 6 W., near quarter cor. between secs. 19 and 24, near center of S. concrete headwall of culvert; chiseled square 531.71

Vincennes, 1.5 mi W. of, in sec. 19, T. 66 N., R. 6 W.; about 600 ft NE. of Independent School, at T-rd. SW., 46 ft normal to and on SW. side of road NW.-SE., 22 ft normal to and NE. of Chicago, Rock Island and Pacific RR.; 19 ft normal to and NW. of road SW., 7 ft NW. of RR. crossing signpost; in concrete post; standard tablet stamped "TT 20 C 1948" 559.235

KAHOKA QUAD. - 2 IA.

T. 66 N., R. 6 W., near W. sixteenth cor. between secs. 20 and 29; 200 ft SE. of the SE. cor. of farmhouse, 25 ft N. and 100 ft E. of dim roads S., in root on S. side of 30-in walnut tree; copper nail and washer 552.98

Vincennes, 0.25 mi E. of, T. 66 N., R. 6 W.; cor. secs. 20, 21, 28 and 29; 25 ft S. and 60 ft E. from T-rd. S., in N. side of telephone pole; a rail spike 549.04

T. 66 N., R. 6 W., near cor. secs. 21, 22, 27 and 28; at foot of steep grade; about 700 ft W. of T-rd. W.; at front entrance to farmhouse; 20 ft S. of center of road; in root on NW. side of 40-in. oak tree; a copper nail and washer 562.88

Vincennes, 1.5 mi E. of; in sec. 22, T. 66 N., R. 6 W.; 365 ft NW. of junction of Co. Rt. "C" and "Y"; which is about 0.25 mi E. of cor. secs. 21, 22, 27 and 28; on a slight knoll; 32 ft normal to and on E. side of road; in line with fence SW.; 2 ft W. of right-of-way fence; in concrete post; standard tablet stamped "TT 21 C 1948" (Reported not found 7-66 TLE) 648.596

Reference mark; 175 ft N. and 50 ft W. of T-rd. W.; in root on NW. side of 18-in. hickory tree; a copper nail and washer 638.33

DONNELLSON QUAD. - 5 IA.

T. 66 N., R. 6 W.; about 0.35 mi W. of cor. secs. 15, 16, 21 and 22; 35 ft S. and 150 ft E. from T-rd. E.; in root on N. side of 8-in. oak tree; copper nail and washer 677.71

T. 66 N., R. 6 W.; near cor. secs. 15, 16, 21 and 22; 150 ft W. of T-rd. N.; at bridge over creek, on top of piling at NE. end of bridge; copper nail and washer 624.03

T. 66 N., R. 6 W.; near quarter cor. between secs. 15 and 22, 30 ft S. and 40 ft E. of crossroads, in N. side of telephone pole; a rail spike 674.75

T. 66 N., R. 6 W., near quarter cor. between secs. 14 and 23; 500 ft W. of T-rd. N.; 75 ft N. of center of road in root on W. side of 16-in. white oak tree; in farmyard; copper nail and washer 641.08

T. 66 N., R. 6 W.; about 0.1 mi W. of cor. secs. 13, 14, 23 and 24; at NE. end of steel truss of bridge over Sugar Creek; on top of 3/4-in. bolt head; chiseled cross 567.96

KAHOKA QUAD. - 2 IA.

T. 66 N., R. 6 W.; near center of sec. 24, at curve in road that curves sharply from the S. to the NW., 150 ft W. of a dim road N.; in stump on SE. side of 6-in. elm tree; copper nail and washer 612.76

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DONNELLSON QUADRANGLE
5 - IOWA
324 - MISSOURI

LINE 7 (Cont'd)

KAHOKA QUAD. - 2 IA.

FEET

"TT 22 C 1948" (previously described in line 5)

556.696

Reference mark, about 600 ft S. of tablet; at NW. end of steel truss of bridge over Sugar Creek; on 1-in. bolt head; chiseled square

558.08

LINE 8

D.D. Bolin, 1976; Book CV-3332

MOUNT PLEASANT QUAD. 26 IA.

6 1 0.0 BM, 7.8 mi N. along U.S. Hwy. 218 from the junction of State Hwy. 2 and Hwy. 218 in Donnellson, at the junction of a farm road leading E., 80 ft E. of the center of Hwy. 218, 71 ft S. of the center of the farm road, 8.5 ft N. of a power pole and 1.5 ft S. of a metal witness post. It is a standard disk stamped "T 122 RESET 1972", set in the top of a 6-in. square concrete monument that projects 8-in. above the ground surface. 710.480

DONNELLSON QUAD. - 324 MO. 5 IA.

1 0.7 UE T A, 0.75 mi S. along U.S. Hwy. 218 from the disk, T. 69 N., R. 7 W.; near the S. sixteenth cor. between secs. 28 and 29, 72 ft N.; 42 ft W. and 2 ft lower than the centerline of the crossroads; on top and at the W. end of the round concrete tube type culvert; a chiseled square 693.16

10 1.9 UE T B, 0.75 mi S. thence 1.1 mi W. along road from the disk; T. 69 N., R. 6 W.; about 500 ft E. of, the quarter cor. between secs. 29 and 30, 9 ft N., 17 ft W. and 0.6 ft higher than the centerline of the steel and concrete bridge over a small creek; on top and at the W. end of the N. concrete railing; a chiseled square 671.22

13 3.0 BM, Mt. Hamill; 0.3 mi S. and 0.5 mi E. of; T. 69 N., R. 6 and 7 W., near the quarter cor. between secs. 25 and 30; 18 ft N., 15 ft W. and 0.7 ft lower than the centerline of the crossroads; on top and near the center of the concrete headwall of the concrete box culvert; a standard tablet stamped "25 DDB 1976" 704.948

14 3.0 Reference mark, 85 ft WSW. of the tablet; 18 ft S. and 93 ft W. of the centerline of the crossroads, on top and at the S. end of the round concrete tube type culvert; a chiseled square 702.35

18 4.0 UE 25 A, 1 mi W. along road from the tablet; T. 69 N., R. 7 W., near the quarter cor. between secs. 25 and 26, 52 ft N., 33 ft E. and 0.5 ft lower than the centerline of the T-rd. E., 1 ft NW. of the N. gate post; on top of a drilled copper coated rod projecting 0.5 ft above the ground 728.88

MOUNT PLEASANT QUAD. - 26 IA.

20 4.5 UE 25 B, 0.5 mi N. and 2 mi W. of the tablet; T. 69 N., R. 7 W., near the cor. of secs. 23, 24, 25 and 26; 33 ft S., 32 ft E. and 0.1 ft higher than the centerline of the crossroads; 1 ft SW. of the cor. fence post, 1 ft W. of the E. right-of-way fence; on top of a drilled copper coated rod, projecting 0.2 ft above the ground 718.59

22 5.6 Reference mark, 56 ft NE. of the tablet; 32 ft S. and 16 ft E. of the crossroads; on top and at the E. end of the round metal culvert; a punched hole 719.56

LINE 8 (Cont'd)

MOUNT PLEASANT QUAD. - 26 IA.

FEET

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|----|-----|---|--|---------|
| 6 | 23 | 5.6 | BM, Mt. Hamill; 0.3 mi N. and 1.5 mi W. of; T. 69 N., R. 7 W., near the cor. of secs. 22, 23, 26 and 27, 64 ft S., 32 ft W. and 0.7 ft lower than the centerline of the crossroads; 3 ft S. of the S. gate post; 1 ft E. of the W. right-of-way fence, 1 ft S. of the witness post; set inside of a 6-in. clay drain tile, a standard tablet stamped "26 DDB 1976" | 718.888 |
| 25 | 6.6 | UE 26 A, 1 mi W. along road from the tablet; T. 69 N., R. 7 W., near the cor. of secs. 21, 22, 27 and 28; 20 ft N., 111 ft E. and 2.1 ft higher than the centerline of the crossroads, on top and near the center of the N. concrete headwall of the concrete culvert; on a steel reinforcement bar in a chiseled square | 697.70 | |
| 28 | 7.8 | BM, Mt. Hamill 0.5 mi N. and 3.8 mi W. of, in the NE. cor. of the NW $\frac{1}{4}$ of the NE $\frac{1}{4}$ of sec. 29, T. 69 N., R. 7 W., about 0.1 mi W. of T-rd. S., 30.6 ft S. of center of road, 14.7 ft E. of fence S., 7.9 ft E. of center of gate, 3 ft N. of a fence in a concrete post; 1.8 ft higher than centerline of T-rd. S.; a standard tablet stamped "ET 5 RFP 1966" | 732.231 | |
| 29 | 7.8 | Reference mark, 113 ft NW. of the tablet; 31 ft N. and 82 ft W. of the centerline of the E.-W. road at the T-fence S., 2 ft W. of the W. gate post; 1 ft S. of the N. right-of-way fence, on top of a copper coated drilled rod projecting 0.5 ft above the ground | 733.17 | |
| 30 | 8.7 | UE ET 5 A, 0.9 mi W. along road from the tablet; T. 69 N., R. 8 W., near the cors. of secs. 19, 20, 29 and 30, 63 ft N., 24 ft E. and 2.6 ft lower than the centerline of the crossroads; on top and at the E. end of the round concrete tube type culvert; a chiseled square | 735.85 | |
| 33 | 9.7 | Farmington, about 8.5 mi N. of; about 4 mi N. and 4.5 mi E. of Bonaparte; T. 69 N., Rs. 7 and 8 W.; near approx. cor. secs. 24, 25, 19 and 30; 36 ft S., 32 ft E. and 2.4 ft lower than crossroad; 6 ft S. of telephone pole; 1.5 ft W. of E. right-of-way fence, and in concrete post; a standard tablet stamped "7 RGW 1966" | 737.881 | |

ISOLATED BENCH MARKS

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| T. 66 N., R. 8 W.; in W $\frac{1}{4}$ sec. 23, about 600 ft E. of T-rd. S.; on top of N. headwall of concrete culvert; chiseled square | 599.50 |
| T. 66 N., R. 8 W.; near center sec. 23, 110 ft E. of T-rd. N., on N. end of E. abutment of bridge over creek; chiseled square | 590.40 |
| County Route "C", 25 ft S. of; about 300 ft N. of farmhouse, in root on N. side of 28-in. maple tree; crossed nails | 689.75 |
| Revere, 185 ft W. of W. corner of A.T. & S.F. RR. station, 35 ft E. of road; 3 ft N. and 8 ft E. from fence corner, in concrete post; standard tablet stamped "TT 96 C 1936" | 680.034 |
| T. 66 N., R. 8 W.; in SW $\frac{1}{4}$ sec. 25; 9 ft S. and 24 ft W. from junction of road W.; on center of S. headwall of concrete culvert; chiseled square | 672.35 |
| T. 66 N., R. 8 W.; in W $\frac{1}{2}$ sec. 25; 15 ft S. and 21 ft W. from crossroads, on center of S. headwall of concrete culvert; chiseled square | 694.04 |

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DONNELSON QUADRANGLE
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ISOLATED BENCH MARKS (Cont'd)

FEET

Kahoka, 6 mi N. of, 0.3 mi S. of junction of Co. Rt. "C", 23 ft S. and 37 ft E. from junction of road W. and old road E.; 2 ft W. of fence corner, in concrete post; standard tablet stamped "TT 94 C 1936 706" (Dest. 2-53, State Hwy. Dept., Canton, Mo.)	705.654
T. 66 N., R. 8 W.; near quarter cor. between secs. 12 and 13; 15 ft S. and 27 ft W. from crossroads, on center of S. headwall of concrete culvert; chiseled square	712.61
Kahoka, 8.3 mi N. of, 0.1 mi W. of center sec. 12; T. 66 N., R. 8 W.; 24 ft S. and 80 ft E. from E.-W. crossroad, 7 ft S. of fence corner; in concrete post; standard tablet stamped "TT 93 C 1936 709"	709.146
T. 66 N., R. 8 W.; in SE $\frac{1}{4}$ sec. 2; 20 ft W. of hwy., in center of W. headwall of concrete culvert; an iron pin	701.43
T. 66 N., R. 8 W.; in sec. 2, 15 ft S. and 27 ft E. from junction of road E.; on center of S. headwall of concrete culvert; chiseled square	717.28
T. 67 N., R. 8 W.; near center sec. 34; 220 ft S. and 44 ft W. from hwy. at E.-W. hedge fence, on top of concrete right-of-way marker	717.64
T. 67 N., R. 8 W.; quarter cor. secs. 27, and 34; 12 ft N. and 24 ft E. from crossroads; on center of N. headwall of concrete culvert; chiseled square	708.66