

THIRD-ORDER LEVELS

NATIONAL GEODETIC VERTICAL CONTROL DATA 1929 GEOLOGICAL SURVEY

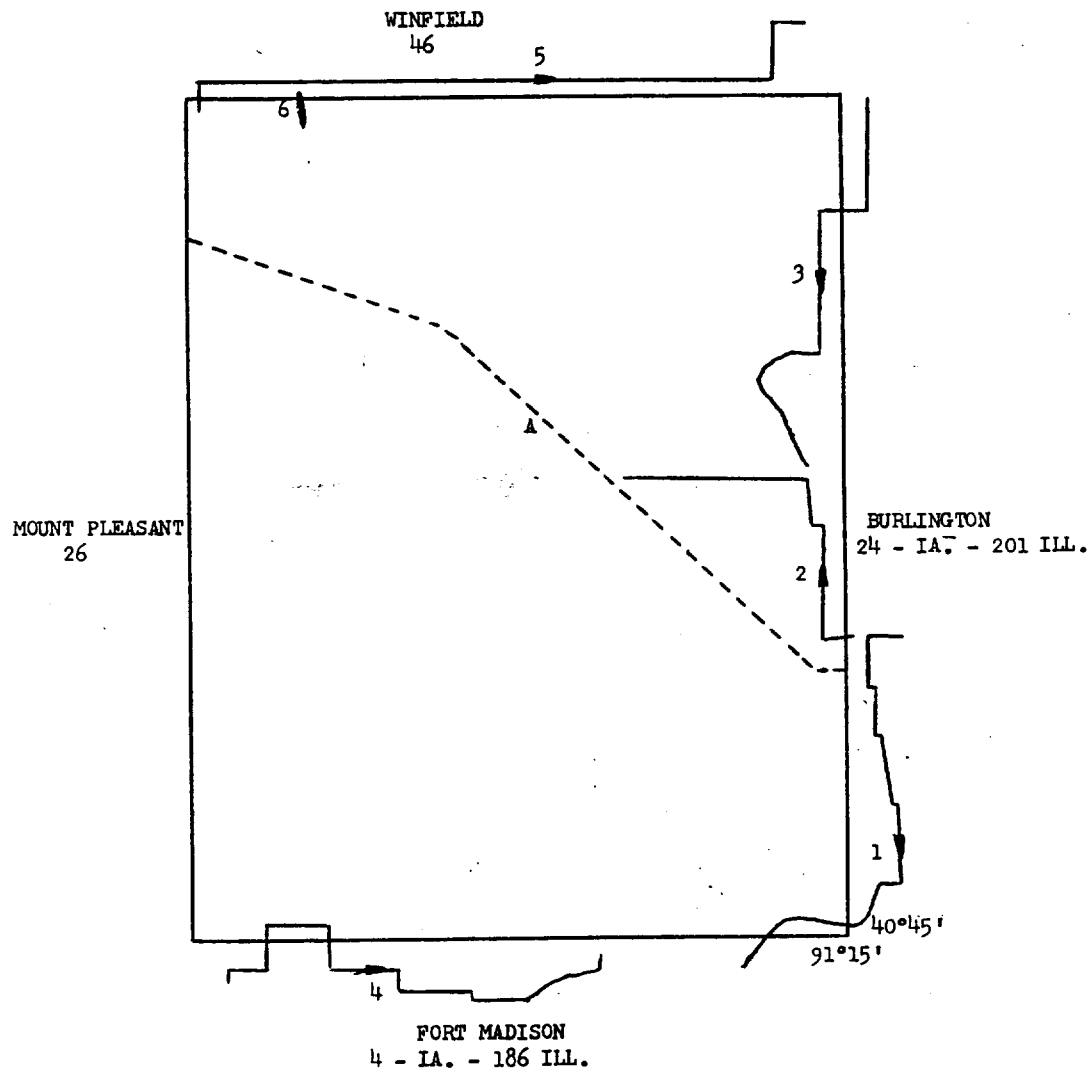
UNITED STATES
DEPARTMENT OF THE INTERIOR

40-091-14
NEW LONDON QUADRANGLE
25 - IOWA
N4045-W9115/15
DIAGRAM NK 15-12
BURLINGTON

Des Moines and Henry Counties

Edition of: 3-16-77

PR: ADP/LB/ob



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

Quadrangle No. 400911

25 D -

LINE 1

FEET

R. Moran, 1963; Book CV-1578

BURLINGTON QUAD. - 24

- | | |
|---|---------|
| 0.0 Burlington, 6.75 mi W. and N. of junction of Hwy. 61 and 34, along 34 and asphalt road; 0.2 mi N. along road from junction of road and N. lane of Hwy. 34 in Middletown; near W $\frac{1}{2}$ cor. sec. 30, T. 70 N., R. 3 W.; at junction of C.B. & Q. RR. and road; 24 ft N. of N. rail of N. track; 55 ft E. of center of road; 5 ft SE. of telephone pole; in concrete post; projecting 6-in. standard tablet stamped "24 RWM 1963" | 726.589 |
| 0.6 UE, Middletown, 0.2 mi S. of junction of Hwy. 34 and road into Iowa Ordnance plant along road; at crossroads; 15 ft S. of intersection | 729.6 |
| 1.2 UE, Middletown, 0.67 mi S. of junction of Hwy. 34 and road into Plant along road; at T-rd. W.; on road surface | 726.5 |
| 1.6 UE, Middletown, 1 mi S. and E. of junction of Hwy. 34 and road to Iowa Ordnance Plant along road at RR. crossing in center of road; copper nail and washer | 727.80 |
| 1.9 UE, Middletown, 1.3 mi S. and E. of junction of Hwy. 34 and road to Iowa Ordnance Plant along road; a RR. crossing, N. track of two; 5 ft N. and 16 ft W. of intersection; on end of wood plank; copper nail and washer | 722.90 |
| 2.5 Middletown, 1.95 mi S. and E. of junction of Hwy. 34 and road into Plant, along road; 4.8 mi N. and E. of junction of State Hwy. 394 and County road "E" S. of Augusta along road; at T-junction of road and service road to "Line 7" 24 ft S. and 42 ft W. of intersection; 6 ft N. of telephone pole; in concrete post; projecting 6-in. standard tablet stamped "32 RWM 1963" | 711.127 |
| 2.6 Reference mark, 150 ft E. of tablet; 36 ft S. of center of road to "Line 7"; on steam pit cover; chiseled square | 710.53 |
| 3.2 UE, Middletown, 2.65 mi S. and E. of junction of Hwy. 34 and road into Ordnance Plant along road, at T-junction; 33 ft S. and 126 ft W. of intersection; 12 ft W. of fence; on NW. edge of concrete steam pit; chiseled square | 668.48 |
| 3.9 UE, Middletown, 3.3 mi S. and E. of junction of Hwy. 34 and road into plant; along road; on SE. cor. of bridge; on concrete abutment; chiseled letters "EM" and square | 637.58 |
| 4.3 UE, Middletown, 3.7 mi S. and E. of junction of Hwy. 34 and road into Iowa Ordnance Plant; along road and RR.; near RR. crossing; 84 ft NE. and 27 ft SE., 24 ft W. of telephone pole; on round concrete culvert; chiseled square | 665.02 |
| 5.2 Reference mark, 80 ft NW. of tablet; at RR. crossing; 36 ft N. of center of road; on E. end of tie opposite switch stand; copper nail and washer | 700.28 |
| 5.2 Augusta, 2.1 mi N. and E. of junction of Hwy. 394 and Co. road, "E" S. of Augusta along road; 4.6 mi S. and E. of junction of U.S. Hwy. 34 and road into plant; along road and RR.; at RR. crossing; 42 ft S. and 33 ft E. of intersection; 168 ft W. of fence around yard 13; in concrete post projecting 4-in. standard tablet stamped "33 RWM 1963" | 700.520 |
| 6.2 UE, Middletown, 5.6 mi S. and E. of junction of Hwy. 34 and road into Plant along road and RR.; at exit gate 5; on second bldg. base from W. end; 4 ft N. of gate; 1 ft W. of post pier; chiseled square | 663.11 |

NEW LONDON QUAD. - 25

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|--|--------|
| .9 UE, Augusta, on bridge over Skunk River; on N. concrete pier; on W. side; chiseled square with redcircle around it; (R.M. 10 of Skunk River Gaging Station) | 547.74 |
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LINE 1 (Cont'd)

NEW LONDON QUAD. - 25

FEET

- 6.9 Reference mark 17; is 0.5-in. galvanized bolt driven into a 12-in. cottonwood tree; 15 ft steamward and 5 ft downstream from gage 537.322
- 6.9 Reference mark, 15, is head of 0.5-in. bolt driven into steamward side of 12-in. cottonwood tree, 15 ft upstream from upstream streamward corner of gage house 538.738
- 7.3 UE, Augusta, 0.4 mi S. of bridge over Skunk River, along Hwy. 394; at junction of Hwy. 394 and County road "E" (Augusta Road), 50 ft S. and 36 ft W. of intersection; on S. end of culvert; under field road; on corrugated culvert 559.8

FORT MADISON QUAD. - 186

- 8.2 Fort Madison, 9.5 mi N. and E. along State Hwy. 88 and State 16 from junction of Hwy. 88 and State Hwy. 103, 1.9 mi E. along Hwy. 16 from junction of Hwy. 88 and Hwy. 16 in Denmark, 0.25 mi W. from NW. cor. sec. 35, T. 69 N., R. 4 W.; near Y-junction 16 and 394; 24 ft E. of fence corner; 5 ft N. of telephone pole; in concrete post; projecting 6-in. standard tablet stamped "12 RWM 1963" (57 ft S. from center of 16; 390 ft W. of center of 394) 662.628

LINE 2

R. Moran, 1963; Book CV-1578

BURLINGTON QUAD. - 24

- 6.9 Burlington, 6.75 mi W. and N. of junction of Hwy. 61 and 34, along Hwy. 34 and asphalt road; 0.2 mi N. of road from junction of road and N. lane of Hwy. 34 in Middletown; near W $\frac{1}{2}$ cor. sec. 30, T. 70 N., R. 3 W.; at junction of C.B. & Q. RR. and road; 24 ft N. of N. rail of N. track; 55 ft E. of center of road; 5 ft SE. of telephone pole; in concrete post; projecting 6-in.; standard tablet stamped "24 RWM 1963" 726.589
- 6.9 Reference mark, 69 ft W. of tablet; 12 ft N. of N. rail of N. track; 15 ft W. of center of road; in concrete base of RR. crossing signal; chiseled square 728.63
- 7.8 UE, Middletown, 1.05 mi N. of junction of Hwy. 34 and road along road; 18 ft W. of center of road; on wooden culvert; on N. end of headwall; copper nail and washer 665.26
- 8.4 UE, Middletown, 1.7 mi N. of junction of U.S. Hwy. 34 and road along road at T-junction of drive and road; 12 ft S. and 48 ft E. of intersection; 2 ft W. of fence; a rail spike in telephone pole 725.81
- 8.7 Reference mark, 200 ft SE. of tablet; at junction of road and drive; 9 ft N. and 27 ft E. of intersection; in round concrete culvert; chiseled square 717.97
- 8.8 Burlington, 8.56 mi W. and N. of junction of Hwy. 61 and 34, along Hwy. 34 and gravel road; 2.04 mi N. along road from junction of road and Hwy. 34 in Middletown; 0.25 mi E. of N $\frac{1}{2}$ cor. sec. 24, T. 70 N., R. 4 W.; at T-junction; 42 ft S. and 45 ft W. of intersection; 10 ft W. of fence corner; 2 ft N. of fence; in concrete post; projecting 6-in. standard tablet stamped "25 RWM 1963" 721.566
- 9.2 UE, Middletown, 2.5 mi N. and E. of junction of Hwy. 34 and road along road; in root of 4 ft diameter tree; 18 ft W. of center of road; 2 ft E. of fence; copper nail and washer 713.48
- 10.0 UE, Middletown, 3 mi N. and E. of junction of Hwy. 34 and road along road; at T-junction 24 ft SE. and 36 ft SW. of intersection; 5 ft N. of fence corner; in round concrete culvert chiseled square 704.19
- 0.4 UE, Middletown, 3.4 mi N. and E. of junction of Hwy. 34 and road along road; at T-junction, 30 ft N. and 30 ft E. from intersection; 6 ft NW. from fence corner; a rail spike in telephone pole 719.44

NEW LONDON QUAD. - 25

FEET

LINE 2 (Cont'd)

- 11.2 UE, Middletown, 4.15 mi N. and E. of junction of Hwy. 34 and road along road; at T-junction of drive and road; 24 ft NE. and 9 ft SE. from intersection; on round concrete culvert; chiseled square 717.69
- 12.0 Middletown, 5 mi N. and W. from junction of road and U.S. Hwy. 34 along road, 4 mi N. and E. of junction of Hwy. 34 and county road "T" in Danville; along county road "T" and gravel road; 0.2 mi E. of N $\frac{1}{4}$ cor. sec. 12, T. 70 N., R. 4 W.; at T-junction, 32 ft S. and 54 ft W. of intersection; 20 ft W. of fence corner; 6 ft W. of telephone pole; in concrete post; projecting 6-in.; standard tablet stamped "26 RWM 1963" 721.129
- 12.2 Reference mark, 340 ft W. of tablet; at junction of field road and road; 27 ft N. and 18 ft W. of intersection; 18 ft W. of fence corner; in round concrete culvert; chiseled square 719.35
- 13.0 Middletown, 5.7 mi N. and W. of junction of Hwy. 34 and road along road; 174 ft E. of T-junction 27 ft N. of center of road; 12 ft S. of fence; on round concrete culvert; chiseled square 716.94
- 13.6 UE, Middletown, 6.2 mi N. and W. of junction of Hwy. 34 and road along road; 345 ft W. of T-junction; 24 ft S. and 45 ft E. of intersection of drive and road; 14 ft N. of fence; on round concrete culvert; chiseled square 720.78
- 14.1 Reference mark, 110 ft NE. of tablet; at crossroads; 25 ft N. and 33 ft E. of intersection; 7 ft S. of fence corner; 6 ft S. of telephone pole; on round concrete culvert; chiseled square 728.13
- 1 Middletown, 6.7 mi N. and W. from junction of road and U.S. Hwy. 34 along road; 2.25 mi N. and E. of junction of U.S. Hwy. 34 and County road "T" in Danville along road "T" and gravel road; near NE. cor. of secs. 10, T. 70 N., R. 4 W.; at crossroads; 32 ft S. and 60 ft W. of intersection; 27 ft W. of fence corner; 5 ft W. of telephone pole; 1.5 ft N. of fence; in concrete post; projecting 6-in.; standard tablet stamped "27 RWM 1963" 729.635
- 15.1 UE, Middletown, 7.7 mi N. and W. of junction of U.S. Hwy. 34 and road along road; at crossroads of county road "T" and road; 25 ft N. and 63 ft E. of intersection; 30 ft E. of fence corner; in round concrete culvert; under field road; chiseled square 733.16
- 15.8 UE, Middletown, 8.4 mi N. and W. of junction of Hwy. 34 and road along road; at junction of field road and road; 36 ft N. and 12 ft W. of intersection; 6 ft S. of fence; on corrugated culvert 734.7
- 16.4 UE, Middletown, 9 mi N. and W. of junction of U.S. Hwy. 34 and road along road; at Y-junction of U.S. Hwy. 34 and road; 45 ft NE. and 33 ft N. from intersection; 60 ft NW. of NW. rail of NW. CB. & Q. RR. track; on round concrete culvert; chiseled square 729.96
- 16.7 Danville, 2.3 mi NW. along the C.B. & Q. RR. from the station at; at a road crossing, 42 ft NW. of the center of road, 36 ft NE. of the center of the road; 36 ft NE. of the center of NE. track, 3 ft SW. of a pole with two guy wires, and 1 ft lower than the track, a USC&GS standard disk stamped "Q 125 1935" and set in top of a concrete post 728.860

LINE 3

R. Moran, 1963; Book CV-1578

BURLINGTON QUAD. - 24

- 7.2 UE, Junction, 1 mi S. of junction of county road "X" and "T" at T-junction, 18 ft N. and 4 ft W. of intersection; 4 ft S. and 12 ft E. of fence corner; in round concrete culvert; a chiseled square 766.32
- 7.6 UE, Junction, 1.5 mi S. of junction of county road "X" and "T"; at the T-junction; 27 ft N. and 37 ft W. of intersection; 9 ft E. of fence; a rail spike in telephone pole 762.06

BURLINGTON QUAD. - 24

FEET

LINE 3 (Cont'd)

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|---|--|
| <p>8.2 UE, Junction, 2 mi S. of junction of county road "X" and county road "T" along road "T" at road "X" 27 ft N. and 21 ft W. of intersection; 18 ft SE. of fence corner; in round concrete culvert; chiseled square</p> <p>8.7 UE, Junction, 2.5 mi S. of junction of County road "X" and County road "T" along road "T" and road; at crossroads; 30 ft N. and 21 ft W. of intersection; 9 ft N. and 12 ft E. of fence corner; in headwall of wooden culvert; copper nail and washer</p> <p>9.2 Mediapolis, 6.6 mi W. and S. of junction of Hwy. 61 and county road "X" along "X", county road "T" and gravel road, 3 mi S. of junction of "X" and "T" along road "T" and gravel road; near SE. cor. sec. 7, T. 71 N., R. 3 W.; at T-junction; 135 ft SW. and 36 ft SE. of intersection; 18 ft SW. of center of farm road; 12 ft SW. of SW. gate post; 2.5 ft NW. of fence; in concrete post; projecting 6-in.; standard tablet stamped "30 RWM 1963"</p> <p>9.2 Reference mark, 70 ft SW. of tablet; on NW. corner of wood bridge; 12 ft NW. of center of road; on wingwall; copper nail and washer</p> <p>9.6 UE, Junction, 3.5 mi S. of junction of county road "X" and county road "T" along road "T" and gravel road; at junction of farm road; 12 ft S. and 21 ft W. of intersection; 5 ft E. of fence corner; on corrugated culvert</p> <p>10.3 UE, Junction, 4 mi S. of junction of County road "X" and county road "T" along "T" and gravel road; at T-junction; 48 ft N. and 69 ft W. of intersection; at fence corner; rail spike in telephone pole</p> <p>11.0 UE, Junction, 4.75 mi S. of junction of county road "X" and county road "T" along "T" and gravel road; 51 ft S. of telephone pole; 33 ft E. of center of road; on corrugated culvert</p> <p>11.7 UE, Junction, 5.30 mi S. of junction of county road; "X" and county road "T", along "T" and gravel road; at T-junction; 15 ft N. from center of road; 6 ft E. of steel bridge; on NE. rock abutment; chiseled square</p> <p>11.9 UE, Junction, 5.5 mi S. of junction of county road "X" and county road "T" along road "T" and gravel road; at Y-junction; 45 ft S. and 57 ft E. of intersection on corrugated culvert</p> <p>12.3 UE, Junction, 5.9 mi S. of junction of County road "X" and county road "T" along "T" and gravel road; on SW. cor. of concrete bridge; 15 ft W. of center of road; on concrete curb; chiseled square</p> <p>12.8 Mediapolis, 10.25 mi W. and S. of junction of Hwy. 61 and county road "X" along road "X", county road "T" and gravel road, 6.6 mi S. of junction of county road "X" and county road "T" along road "T" and gravel road; 0.3 mi E. of W$\frac{1}{4}$ cor. sec. 30, T. 71 N., R. 3 W.; at T-junction; 36 ft N. and 11 ft E. of intersection; 36 ft N. and 27 ft E. of intersection of field road and road; 18 ft E. of gate corner; in concrete post; projecting 6-in.; a standard tablet stamped "31 RWM 1963"</p> <p>12.9 Reference mark, 270 ft E. of tablet; 15 ft N. of center of road; 18 ft S. of fence; on E. end of wooden headwall; copper nail and washer</p> <p>13.7 Junction, 7.4 mi S. of junction of county road "X" and county road "T" along road "T" and gravel road; on SE. cor. of steel bridge; 9 ft E. of center of road; on wood cap; copper nail and washer</p> <p>14.1 UE, Junction, 7.8 mi S. of junction of county road "X" and county road "T" and "T" and gravel road, 18 ft E. of center of road; 2 ft W. of fence; rail spike; in tree</p> | <p>748.82</p> <p>735.45</p> <p>688.370</p> <p>688.77</p> <p>735.1</p> <p>731.80</p> <p>708.4</p> <p>633.76</p> <p>689.3</p> <p>633.96</p> <p>694.385</p> <p>685.92</p> <p>610.54</p> <p>688.15</p> |
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LINE 3 (Cont'd)

NEW LONDON QUAD. - 25

FEET

- 14.6 UE, Junction, 8.3 mi S. of junction of county road "X" and county road "T" along road "T" and gravel road; at T-junction; 18 ft S. and 39 ft E. of intersection; 5 ft E. of fence corner; rail spike in telephone pole 702.93
- 15.0 UE, Junction, 8.7 mi S. of junction of Co. road "X" and county road "T" along road "T" and gravel road; at T-junction; 24 ft N. and 36 ft W. of intersection; in round concrete culvert; chiseled square 665.39
- 15.6 UE, Junction, 9.4 mi S. of junction of County road "X" and county road "T" along road "T" and gravel road; at junction of field road and road; 12 ft S. and 27 ft W. of intersection; 8 ft E. of fence corner; on corrugated culvert 713.02
- 16.2 "26 RWM 1963" (Described in Line 2) 721.129

LINE 4

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

FORT MADISON QUAD. - 4 IA. - 186 ILL.

- 6 37 0.0 BM, 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. and Q. RR. and road crossing, 34 ft NE. from center of C.B. & Q. RR. track; in concrete post; 6-in. above the ground; standard tablet stamped "6 RWM 1963" 688.990
- 39 1.3 UE 6 RWM AA; 1.3 mi N. and E. along road from the tablet; T. 69 N., R. 5 W., in the center of the SE $\frac{1}{4}$ of sec. 30; approx. 72 ft S. of a Y-rd. SE., 15 ft N., 9 ft E. and 0.6 ft higher than the centerline of the steel and concrete bridge over a small perennial creek; 2 ft S. of the N. end of the E. concrete bridge railing, a chiseled square 675.26
- 41 2.1 UE 6 RWM AB; 1.25 mi N. and 0.75 mi E. of the tablet; T. 69 N., R. 5 W.; near the E. sixteenth cor. between secs. 19 and 30; 99 ft SE., 18 ft ENE. and 3.4 ft lower than the centerline of the Y-rd. E., on top and at the SE. end of the NE. concrete headwall of the concrete box culvert; a chiseled square 704.17
- 43 3.4 BM, West Point; 2.5 mi N. of, T. 69 N., R. 5 W., near the cor. of secs. 20, 21, 28 and 29, 39 ft N., 84 ft W., and 0.1 ft higher than the centerline of the T-rd. W.; 1 ft SE. of the NW. right-of-way fence; 1 ft S. of the witness post; set inside of a 6-in. clay drain, a standard tablet stamped "27 DDB 1976" 712.466
- 44 3.4 Reference mark, 118 ft SE. of the tablet; 21 ft S. and 57 ft W. of the centerline of the T-rd. W.; on top and at the S. end of the round concrete tube culvert; a chiseled square 708.32

FORT MADISON QUAD. - 4 IA. - 186 ILL.

- 48 4.5 UE 27 A, 1 mi S. of the tablet; T. 69 N., R. 5 W., near the cor. of secs. 28, 29, 32 and 33, 85 ft S., 33 ft E. and 2 ft lower than the centerline of the T-rd. E., on the top of the iron rebar used as hwy. right-of-way marker, projecting 0.7 ft above the ground 768.15
- 50 5.5 UE 27 B, 1 mi S. thence 1 mi E. along road from the tablet; T. 69 N., R. 5 W.; near the cor. of secs. 27, 28, 33 and 34; 26 ft N., 18 ft E. and 3.5 ft lower than the centerline of the crossroads; on top and at the E. end of the round metal culvert; a punched hole 755.41

LINE 4 (Cont'd)

FORT MADISON QUAD. - 4 IA. - 186 ILL. FEET

- 6 52 6.5 BM, West Point, 1 mi N. and 1.5 mi E. of; T. 69 N., R. 5 W.; near the center of sec. 34, 201 ft N., 30 ft E. and 0.1 ft higher than the centerline of the T-rd. N.; 1 ft W. of the E. right-of-way fence, 1 ft N. of the witness post; set inside of a 6-in. clay drain tile, a standard tablet stamped "28 DDB 1976" 729.199
- 53 6.5 Reference mark, 210 ft S. of the tablet; 19 ft N. and 32 ft E. of the centerline of the T-rd. N., on top and at the N. end of the round metal culvert; a punched hole 724.40
- 56 7.6 UE 28 A, 1 mi E. of the tablet; T. 69 N., R. 5 W., near the center of sec. 35; 13 ft S., 42 ft E. and 2.9 ft lower than the centerline of the crossroads; on top and at the S. end of the round metal culvert; a punched hole 726.71
- 58 8.2 UE 28 B, 1.7 mi E. along road from the tablet; T. 69 N., R. 5 W., about 0.2 mi S. of the quarter cor. between secs. 35 and 36, 151 ft NE., 21 ft N. and 2.2 ft lower than the centerline of the Y-rd. NE.; on top and at the N. end of the round metal culvert; a punched hole 730.24
- 59 9.2 UE 28 C, 2.7 mi E. along road from the tablet, T. 69 N., R. 5 W., about 0.2 mi S. of the quarter cor. between secs. 31 and 36; 16 ft S., 243 ft W. and 4 ft lower than the centerline of the crossroads; on top and at the S. end of the round metal culvert; a punched hole 710.84
- 63 11.0 ^{Madison} BM, 10.3 mi W. and N. of junction of State Hwy. 103 and 88 along Hwy. 103 and gravel road, 1.1 mi W. and S. of junction of State Hwy. 16 and 88, in Denmark, along Hwy. 16 and gravel road; near S $\frac{1}{4}$ cor. sec. 29, T. 69 N., R. 4 W., near T-junction, 42 ft N. and 30 ft W. of intersection of road and drive to power substation; 21 ft SE. of SE. chain link fence corner; 3 ft NW. of telephone pole; in concrete post; projecting 6-in. above ground; standard tablet stamped "11 FWM 1963" 709.514

LINE 5

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

MT. PLEASANT QUAD. - 26

- 7 23 4.5 BM, Mt. Pleasant, about 2 mi N. and 1.5 mi E. of; T. 72 N., R. 6 W., near the center of the SW $\frac{1}{4}$ of sec. 35, 33 ft S., 7 ft E. and 0.1 ft higher than the centerline of the iron and concrete bridge over South Big Creek; on top and 3 ft N. of the S. end of the E. concrete railing, a standard tablet stamped "29 DDB 1976" 674.404
- 24 4.5 Reference mark, 62 ft N. of the tablet; 31 ft N. and 13 ft E. of the centerline of the bridge on top of the NE. wingwall; a chiseled square 674.10

WINFIELD QUAD. - 46

- 26 5.7 UE 29 A, 1.3 mi N. and E. along road from the tablet; T. 72 N., R. 6 W., near the W. sixteenth cor. between the NW $\frac{1}{4}$ and the SW $\frac{1}{4}$ of sec. 35, 15 ft N., 375 ft W. and 4.6 ft lower than the centerline of the T-rd. N. on top and at the N. end of the round metal culvert; a punched hole 713.15
- 31 7.1 UE 29 B, 2.7 mi N. and E. along road from the tablet; T. 72 N., R. 5 W., near the SW. cor. of sec. 30; 16 ft N., 479 ft E. and 1.1 ft lower than the centerline of the crossroads; on top and near the NW. end of the NW. concrete wingwall of the small iron and concrete bridge, a chiseled cross 683.46
- 36 8.6 UE 29 C, 0.75 mi N. and 1.8 mi E. along road from the tablet; 0.5 mi N. of triangulation station "CANAN", T. 72 N., R. 5 W., near the quarter cor. between secs. 29 and 32, 34 ft S., 33 ft W. and 1.6 ft lower than the centerline of the crossroads; 1 ft S. of the cor. fence post; on top of the drilled copper coated rod projecting 0.7 ft above the ground and painted white 723.73

WINFIELD QUAD. - 46

FEET

LINE 5 (Cont'd)

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| 7 | 38 | 9.7 | UE, Canan A, 0.5 mi N. and 1 mi E. of; T. 72 N., R. 5 W., about 0.2 mi W. of the cor. of secs. 27, 28, 33 and 34, 521 ft E., 12 ft N. and 14.8 ft lower than the centerline of the crossroads, on top and 5 ft E. of the W. end of the N. concrete headwall of the concrete box culvert; a chiseled square | 702.33 |
| 41 | 11.1 | UE | Canan B, 0.5 mi N. and 2.5 mi E. of the triangulation station, T. 72 N., R. 5 W.; near the cor. of secs. 26, 27, 34 and 35, 18 ft N., 21 ft E., and 2.7 ft lower than the centerline of the crossroads; on top and at the N. end of the round metal culvert; a punched hole | 722.04 |
| 44 | 12.3 | Reference mark, | 45 ft NE. of the tablet; 18 ft N. of the centerline of county hwy. H-38; on top and at the E. end of the N. concrete bridge railing, a chiseled square | 725.00 |
| 45 | 12.3 | BM, New London, | 5 mi N. and 0.6 mi E. of; T. 72 N., R. 6 W., about 1200 ft E. of the cor. of sec. 25, 26, 35 and 36, 18 ft S. and 0.7 ft higher than the centerline of the bridge over a small creek; on top and at the center of the S. concrete bridge railing, standard tablet stamped "30 DDB 1976" | 724.939 |
| 47 | 13.1 | UE 30 A, | 0.8 mi E. along county route H-38, from the tablet; T. 72 N., R. 4 and 5 W.; near the cor. of secs. 25, 30, 31, and 36, 30 ft S., 28 ft W., and 1.6 ft lower than the centerline of the crossroads; on top and at the S. end of the round concrete tube culvert, a chiseled square | 742.48 |
| 49 | 14.1 | UE 30 B, | 1.8 mi E. along county route H-38, from the tablet; T. 72 N., R. 4 W., near cor. of secs. 29, 30, 31 and 32, 34 ft S., 31 ft W. and 2.6 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 | 788.68 |
| 53 | 15.9 | BM, New London; | about 5 mi N. and 4.2 mi E. of, about 2 mi S. of Yarmouth, T. 72 N., R. 4 W., near the quarter cor. between secs. 28 and 33; 84 ft S., 84 ft W. and 2 ft lower than the centerline of the crossroads, 1 ft SE. of the hwy. right-of-way marker; 1 ft E. of the witness post; set inside of a 6-in. clay drain tile, a standard tablet stamped "31 DDB 1976" | 801.424 |
| 54 | 16.0 | Reference mark, | 104 ft ENE. of the tablet; 51 ft S. and 33 ft E. of the centerline of the crossroads; on top and at the E. end of the round concrete tube type culvert; a chiseled square | 800.55 |
| 56 | 16.5 | UE 31 A, | 0.6 mi E. along county route H-38 from the tablet, T. 72 N., R. 4 W.; near the cor. of secs. 27, 28, 33 and 34; 39 ft S., 45 ft W. and 4 ft lower than the centerline of the T-rd. S.; on top and at the W. end of the round concrete tube type culvert; a chiseled square | 776.77 |
| 60 | 17.0 | UE 31 B, | 1 mi E. along county route H-38 from the tablet; T. 72 N., R. 4 W.; near the quarter cor. between secs. 27 and 34; 69 ft S., 36 ft E. and 0.7 ft lower than the centerline of the crossroads; 1 ft N. of the cor. fence post; on top of a drilled copper coated rod projecting 0.5 ft above the ground and painted white | 774.54 |
| 62 | 18.0 | UE 31 C, | 2 mi E. along county route H-38 from the tablet, T. 72 N., R. 4 W., near the quarter cor. between secs. 26, and 36, 33 ft N., 42 ft W. and 4.4 ft lower than the centerline of crossroads on top and at the N. end of the round tube type concrete culvert; a chiseled square | 762.85 |
| 65 | 18.6 | BM, Yarmouth; | 2 mi S. and 2.5 mi E. of; T. 72 N., R. 4 W., near the cor. of secs. 25, 26, 35 and 36; 63 ft S., 42 ft W. and 4.1 ft lower than the centerline of the crossroads; 10 ft NW. of the cor. fence post; 1 ft NW. of the SW. right-of-way fence; 1 ft NE. of the witness post; set inside of a 6-in. clay drain tile, a standard tablet stamped "32 DDB 1976" | 759.436 |

LINE 5 (Cont'd)

WINFIELD QUAD. - 46

FEET

- 42 ft N.
- 7 66 18.6 Reference mark, 105 ft N.; 33 ft W. of the centerline of the crossroads; on top and at the W. end of the round concrete tube type culvert; a chiseled square 760.10
- 68 19.6 UE 32 A, 1 mi N. along road from the tablet; T. 72 N., R. 4 W., near the cor. of secs. 23, 24, 25 and 26; 360 ft S., 19 ft W. and 7.8 ft lower than the centerline of the T-rd. W.; on top and at the W. end of the round concrete tube type culvert; a chiseled square 758.98
- 71 20.2 UE 32 B, 1.6 mi N. along road from the tablet, T. 72 N., R. 4 W.; near the quarter cor. between secs. 23 and 24; 27 ft S., 30 ft E. and 0.3 ft higher than the centerline of the T-rd. E.; on top and at the center of the S. concrete headwall of the concrete box culvert, a chiseled square 759.30
- 72 21.2 UE 11 A, 1.5 mi S. along road from the tablet; T. 72 N., R. 3 and 4 W., near the quarter cor. between secs. 19 and 24; 72 ft S., 20 ft E. and 1.6 ft lower than the centerline of the crossroads; 15 ft S., 10 ft E. of the RR. crossing, 3 ft S. of the S. rail; on top and at the S. end of the round steel culvert; a chiseled cross 774.395

LINE 6

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

WINFIELD QUAD. - 25

- 73 0.0 UE 29 C, 0.75 mi N. and 1.8 mi E. along road from the tablet, 0.5 mi N. of triangulation station CANAN, T. 72 N., R. 5 W., near the quarter cor. between secs. 29 and 32, 34 ft S., 33 ft W. and 1.6 ft lower than the centerline of the crossroads; 1 ft S. of the cor. fence post; on top of the drilled copper coated rod projecting 0.7 ft above the ground and painted white 723.73

NEW LONDON QUAD. - 25

- 73 0.7 Triangulation station, is located airline, about 6 mi NW. of New London and about 5 mi NE. of Mt. Pleasant along the E. side of a graveled farm road and in a grove of trees. The station is a standard disk stamped "CANAN 1955" set in top of a 12-in. square concrete monument which is about 1 ft below the surface of the ground. It is about 100 ft W. of the W. side of the farm home of Mr. David Brewer, 100 ft N. of the centerline of the entrance road to the farm, 99 ft E. of the centerline of the farm road and 21 ft E. of a white witness post 723.450
- 74 0.7 Reference mark No. 1 is a standard disk stamped "CANAN NO 1 1955" set in top of a 10-in. square concrete monument which projects about 2-in. above the ground and is about the same elevation as the station. It is 25 ft S. of the centerline of the entrance road to the farm, 4 ft W. of a telephone pole and 1.5 ft N. of and E.-W. fence line. 724.231
- 75 0.7 Reference mark number two is a standard disk stamped "CANAN NO. 2 1955" set in top of a 10-in. square concrete monument which projects about 4-in. above the ground and is about the same elevation as the station. It is 33 ft W. of the centerline of a farm road and 1 ft E. of a N.-S. fence line. 723.404