

OFFICE COPY HOLD

THIRD-ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Sac, Poncahontas, Calhoun and
Buena Vista Counties

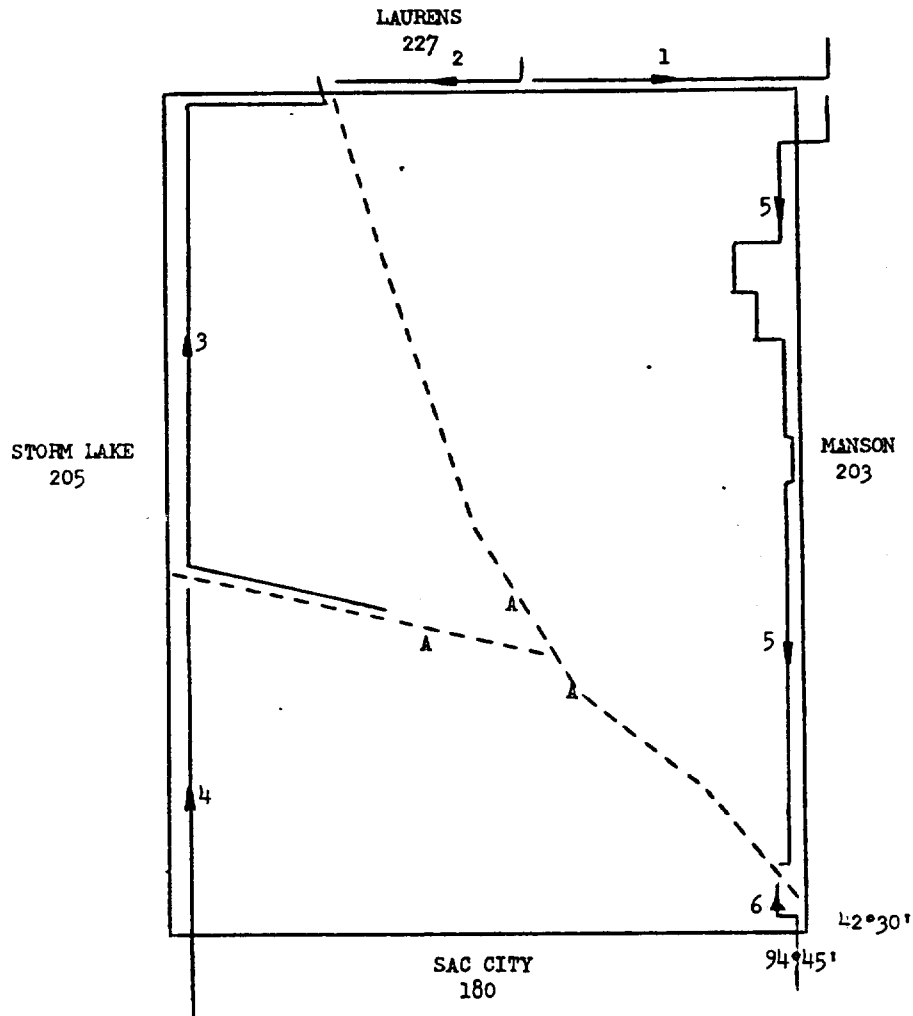
Final Adjustment of 1974

Edition of: 3-30-76

PR:ADP/cb

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

42-094-43
FONDA QUADRANGLE
204 - IOWA
N-230-W9445/15
DIAGRAM NK 15-4
FT. DODGE IOWA



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

A. Quadrangle No. 420944

204A

LINE 1

FEET

J.H. Tyndale, 1968; Book CV-2324

LAURENS QUAD. - 227

- | | |
|---|----------|
| 0.0 UE, center of crossroad (Co. N-28, N.-S.), cor. secs. 27, 28, 33 and 34, T. 92 N., R. 34 W.; 1-in. rebar inside painted square | 1292.72 |
| 1.0 UE, 15 ft N., 140 ft W. and 5 ft lower than crossroad, cor. secs. 26, 27, 34 and 35, T. 92 N., R. 34 W., 3 ft corrugated steel culvert; punch hole | 1276.07 |
| 2.1 UE, 62 ft N., 27 ft W. and 5 ft lower than T-rd. N., cor. secs. 25, 26, 35 and 36, T. 92 N., R. 34 W.; 2.5 ft corrugated steel culvert; punch hole | 1252.19 |
| 3.2 Reference mark, 605 ft S. of tablet; 243 ft S., 26 ft W. of crossroad, N. end; 3 ft concrete drive culvert; chiseled square | 1272.20 |
| 3.3 Laurens, 6.75 mi S. and 2.5 mi E. of; 362 ft N., 36 ft W. and 5.8 ft lower than crossroad, cor. secs. 25, 36, 30 and 31, T. 92 N., Rs. 33 and 34 W., 9 ft S. of power pole, on 10 ft copper coated steel rod inside 6-in. concrete tile; standard tablet stamped "87 T 1968 1270" (Not found 7-74, KED) | 1269.984 |
| 4.3 UE, 50 ft N., 18 ft E. and 2 ft lower than crossroad, cor. secs. 29, 30, 31 and 32, T. 92 N., R. 33 W., 2 ft concrete tile culvert; chiseled square | 1252.37 |
| 5.4 UE, 33 ft S., 35 ft E. and 1.9 ft lower than crossroad, cor. secs. 28, 29, 32 and 33, T. 92 N., R. 33 W., N. side power pole, a rail spike | 1274.16 |

HAVELOCK QUAD. - 226

- | | |
|---|----------|
| 6.4 Reference mark, 197 ft SW. of tablet; 48 ft S., 22 ft W. of crossroad, 1.5 ft concrete tile culvert; chiseled square | 1271.15 |
| 6.4 Pocahontas, 1 mi N. and 3.5 mi W. of; 32 ft N., 159 ft E. and 4.7 ft lower than crossroad, cor. secs. 27, 28, 33 and 34, T. 92 N., R. 33 W., 1 ft S. of N. right-of-way fence; on 5 ft copper coated steel rod inside 6-in. concrete tile; standard tablet stamped "86 T 1968 1271" | 1270.742 |
| 7.5 UE, 33 ft S., 28 ft E. and 2.7 ft lower than crossroad, cor. secs. 21, 22, 27 and 28, T. 92 N., R. 33 W.; S. side power pole; a rail spike | 1278.09 |

LINE 2

J.H. Tyndale, 1968; Book CV-2324

LAURENS QUAD. - 227

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|--|----------|
| 5.8 Laurens, 4.75 mi S. and 0.5 mi W. of; 180 ft N., 49 ft W. and 2.6 ft lower than crossroad (N-28 N.-S.; Co. "Y" W.), cor. secs. 15, 16, 21 and 22, T. 92 N., R. 34 W., across Hwy. Co. N-28 from unused school, 5 ft SE. of telephone pole; 1 ft E. of W. right-of-way fence on 5 ft copper coated steel rod inside 6-in. concrete tile; standard tablet stamped "89 T 1968 1301" | 1301.371 |
| 6.9 UE, center of crossroad (Co. Hwy. N-28 N.-S.), cor. secs. 21, 22, 27 and 28, T. 92 N., R. 34 W., 1-in. rebar inside painted square | 1298.02 |
| 7.9 UE center of crossroad (Co. N-28 N.-S.), cor. secs. 27, 28, 33 and 34, T. 92 N., R. 34 W., 1-in. rebar inside painted square | 1292.72 |
| 8.9 Reference mark, 280 ft N. of tablet; 25 ft N. and 33 ft E. of crossroad; 3 ft concrete tile culvert; chiseled square | 1297.76 |

LINE 2 (Cont'd)

LAURENS QUAD. - 227

FEET

- 9.0 Albert City, 2.25 mi S. and 3.75 mi E. of; 255 ft S., 31 ft E. and 0.4 ft lower than crossroad, cor. secs. 28, 29, 32 and 33, T. 92 N., R. 34 W.; 1 ft W. of E. right-of-way fence; on 10 ft copper coated steel rod; standard tablet stamped "88 T 1968 1301" 1300.642
- 10.0 UE, 33 ft S., 25 ft E. and 4.8 ft lower than crossroad, cor. secs. 29, 30, 31 and 32, T. 92 N., R. 34 W.; 3.5 ft corrugated steel culvert; punch hole 1286.91
- 11.0 UE, center of crossroad (Iowa Hwy. 3 E.-W.), cor. secs. 30, 31, 25 and 36, T. 92 N., Rs. 34 and 35 W., X-mark inside painted square 1306.66
- 12.0 UE, center of crossroad (Iowa Hwy. 3 E.-W.), cor. secs. 25, 26, 35 and 36, T. 92 N., R. 35 W., X-mark in painted square 1294.52
- 12.4 2 mi S. along C.M. St. P. & P. RR. from the station at Albert City, 3 poles S. of MP 127, 45.4 ft E. of the E. rail, and 2 ft W. of the right-of-way fence; a standard disk stamped "Q 22 1934" and set in the top of a concrete post projecting 4-in. above ground 1298.177

LINE 3

K.E. Daly, 1974; Book CV-3132

FONDA QUAD. -204

- 1 46 0.0 In Buena Vista County, 6.1 mi W. along the Illinois Central RR. from the station at Fonda, Pocahontas County, 55 yards E. of a road crossing, 43.9 ft S. of the S. rail; 6.4 ft SE. of a pole, and 1.7 ft N. of a fence, a standard USC&GS disk stamped "L 23 1934" and set in the top of a concrete post projecting 4-in. above ground 1261.038
- 47 1.1 UE L 23 A CENTERLINE, RR. at N.-S. road, (top of N. rail) 1257.4
- 50 2.1 Reference mark, is 41.4 ft SSE. of tablet, 13 ft S. of S. rail of RR. track and 37 ft W. of centerline of road, 33 ft SW. of RR. communication control box, top of 1-in. rod (ground rod) projecting 0.8 ft 1257.33
- 51 2.2 Newell, at RR. crossing at E. edge of town, near cor. secs. 16, 17, 20 and 21, T. 90 N., R. 35 W., 21.5 ft N. of N. rail, 40.5 ft W. and 1.1 ft lower than N.-S. road at RR. crossing, 28.5 ft NW. of RR. crossing/sign and 1.2 ft E. of metal witness post; attached to a driven copper coated steel rod centered in a 6-in. gravel filled tile a standard tablet stamped "5 KED 1974" and 3-in. below ground surface 1257.308
- 53 3.1 UE 5 A, 0.9 mi N. along county hwy. M 54 at, T-rd. E., centerline hwy. at road E., top of metal rod in hwy. 1264.217
- 54 4.1 UE 5 B, 1.9 mi N. along county hwy. M 56 at crossroads, 31 ft S., 47.5 ft E. and 2.6 ft lower than hwy. at E.-W. road NW. side of the corner post, head of RR. spike 1260.40
- 57 5.1 Reference mark is 112 ft WNW. of tablet, 30 ft N. and 36.5 ft W. of hwy. at road W. of offset E.-W. road, E. end of 1.5 ft metal culvert under field entrance N., punched hole 1264.57
- 58 5.1 Newell, 2.8 mi N. and 0.5 mi E. of near cor. secs. 4, 5, 32 and 33, T. 90 and 91 N., R. 35 W., 32 ft S., 61 ft E. and 3 ft lower than hwy. at road E. of offset E.-W. road, 21 ft E. of fence corner, 0.5 ft N. of right-of-way fence and 1 ft W. of metal witness sign; attached to a driven copper coated steel rod centered in a 6-in. gravel filled tile, a standard tablet stamped "6 KED 1974" 1266.725
- 60 6.1 UE 6 A, 1 mi N. of tablet, along county hwy. M 54, at cross highways, 50.5 ft N., 93.5 ft W. and 3.5 ft lower than cross highways, SW. cor. of concrete base for gas pumps at vacant service station; chiseled square 1274.17

LINE 3 (Cont'd)

PONDA QUAD. - 204

FEET

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|------|------|--|----------|
| 1 61 | 7.2 | UE 6 B CENTERLINE, 2.0 mi N. along Co. Hwy. N 54 at E.-W. road centerline of Hwy. at E.-W. road top 0.5 in. iron pin in hwy. | 1310.3 |
| 62 | 8.1 | Reference mark is 282 ft SSW. of tablet, 197 ft S. and 22 ft W. of crossroads; W. end of 2 ft round concrete culvert; chiseled square | 1298.12 |
| 63 | 8.2 | Newell, 5.8 mi N. and 0.5 mi E. of, near cor. secs. 16, 17, 20 and 21, T. 91 N., R. 35 W., 77 ft N., 39.5 ft E. and 4.1 ft lower than hwy. at E.-W. road, 44.5 ft N. of fence corner, 1 ft W. of right-of-way fence and 1 ft S. of metal witness post; attached to a driven copper coated steel rod and centered in a 6-in. gravel filled tile, a standard tablet stamped "7 KED 1974" and 2-in. below ground surface | 1299.660 |
| 66 | 9.3 | UE 7 A, 1.1 mi N. of tablet along county hwy. M 54; 570 ft N., 23 ft W. and 8.3 ft lower than hwy. at E.-W. road W. end of 2.5 ft round concrete culvert; chiseled square | 1320.13 |
| 67 | 10.2 | UE 7 B, 2 mi N. of tablet, at crossroads, 36.5 ft S., 31 ft W. and 2.5 ft lower than crossroads; S. end of 2 ft round concrete culvert; chiseled square | 1322.99 |
| 70 | 11.4 | Reference mark No. 1 is 30 ft W. of the centerline of the road, and 11 ft E. of a right-of-way fence, 254 ft N. and 30 ft W. of crossroad, 10.5 ft E. of right-of-way fence, the mark is set flush with the surface of the bottom of the road ditch, and the disk is stamped "ANDERSON NO 1 1940" | 1334.886 |
| 71 | 11.4 | Reference mark No. 2, is set in the bottom of the W. road ditch, 33 ft W. of the centerline of the road, 9.9 ft E. of a fence, and 9 ft E. of a witness post, 410 ft N. and 30.5 ft W. of crossroads; 10 ft E. of right-of-way fence, the mark is set 4-in. above the surface of the ground and the disk is stamped "ANDERSON NO 2 1940" | 1336.615 |
| 72 | 12.3 | UE Reference mark No. 2 ANDERSON A, 1.0 mi N. of disk at junction of county hwy. and State Hwy. No. 3; 56.5 ft S., 54.5 ft E. and 2.5 ft lower than cross hwy., top of 0.5 in. rod centered in a 4-in. square concrete post; projecting 6-in. | 1311.23 |
| 74 | 13.3 | Reference mark is 118.5 ft W. of tablet, 58.3 ft S. and 61.5 ft W. of crossroads, 3 ft N. of right-of-way fence, top of 0.5 in. rod centered in a 4-in. concrete post; projecting 3-in. | 1312.14 |
| 75 | 13.4 | Albert City, 2 mi S. and 1.2 mi W. of; near cor. secs. 27, 28, 33 and 34, T. 92 N., R. 35 W., 59 ft S., 57 ft E. and 4.9 ft lower than hwy. at N.-S. road, 24 ft E. of fence corner, 1.4 ft N. of right-of-way fence, 1.5 ft S. of concrete right-of-way marker & 1 ft E. of metal witness post; attached to a driven copper coated steel rod centered in a 6-in. gravel filled tile a standard tablet stamped "8 KED 1974" and 1-in. below ground surface | 1313.150 |
| 77 | 14.4 | UE 8 A, 1 mi E. along State Hwy. 3, from tablet at junction with State Hwy. 197; 50 ft S., 53 ft W. and 3.4 ft lower than crossroads; W. end of 3.5 ft round concrete culvert, chiseled square | 1303.87 |

LAURENS QUAD. - 227

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|----|------|--|----------|
| 80 | 15.8 | BM, 2 mi S. along the Chicago, Milwaukee, St. Paul & Pacific RR. from the station at Albert City, 3 poles S. of milepost 127, 45.4 ft E. of the E. rail, and 2 ft W. of the right-of-way fence, a standard USC&GS disk stamped "Q 22 1934" and set in the top of a concrete post projecting 4-in. above ground | 1298.177 |
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LINE 4

FEET

K.E. Daly, 1974; Book CV-3132

SAC LAKE QUAD. - 180

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|----|-----|-----|---|---------|
| 2 | 17 | 4.5 | UE 9 A, 1 mi N. of tablet, approx. 1190 ft N. of crossroads; 24.5 ft W. and 7.7 ft lower than crossroads; 20 ft N. of fence W., W. end of 2 ft concrete pipe culvert, a chiseled square | 1248.93 |
| 19 | 5.4 | | UE 9 B, 2 mi N. of tablet, at T-rd. E., 40 ft N., 19.5 ft W. and 2.2 ft lower than T-rd. E., W. end of 3 ft concrete pipe culvert; chiseled square | 1251.73 |

FONDA QUAD. - 204

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|----|-----|--|----------|
| 21 | 6.4 | Sac City, 5.5 mi N. of along county hwy. M 54 at, crossroads; near cor. secs. 20, 21, 28 and 29, T. 89 N., R. 35 W., 32 ft S., 64.8 ft W. and 1.4 ft lower than crossroads, 18.5 ft W. of fence corner and 1 ft W. of metal witness post, attached to a driven copper coated steel rod centered in a 6-in. gravel filled tile a standard tablet stamped "10 KED 1974" and set 1-in. below ground surface | 1271.380 |
| 22 | 6.4 | Reference mark is 190 ft NNE. of tablet, 153 ft N. and 25 ft W. of crossroads, W. end of 3 ft concrete pipe culvert; chiseled square | 1269.13 |
| 24 | 7.5 | UE 10 A, 1 mi N. of tablet at cross hwy., 50.5 ft N., 50 ft W. and 1.9 ft lower than crossroads, 9.5 ft N. of fence corner and in right-of-way fence line, top of T-iron fence post; projecting 0.6 ft | 1265.04 |
| 26 | 8.5 | UE 10 B, 2 mi N. of tablet at crossroads; 50 ft S., 20 ft W. and 1.9 ft lower than crossroads, center of W. headwall of 4 ft concrete box culvert, chiseled square | 1244.66 |

DOUBLE RUN SPUR LINE

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|----|-----|--|----------|
| 28 | 0.4 | Reference mark No. 1 is 37 ft S. of the centerline of the road, 5.3 ft E. of a powerline pole and 1 ft N. of the right-of-way fence. The mark projects 4-in. and the disk is stamped "DOUGLAS NO 1 1950" (USC&GS) | 1273.699 |
| 29 | 0.5 | Reference mark No. 2 is 38 ft S. of the centerline of the road and 1 ft N. of the right-of-way fence. The mark projects 4-in. and the disk is stamped "DOUGLAS NO 2 1950"(USC&GS) | 1275.218 |
| 30 | 0.5 | USC&GS Triangulation station DOUGLAS 1950, the station is located about 5 mi S. of the town of Newell, 4.5 mi E.-NE. of Nemaha and along the N. side of a graveled road, at the entrance to Mr. Harold Pullen's farm home. It is 74 ft SE. of the SE. cor. of the house, 31.6 ft N. of the centerline of the road and 19 ft E. of the centerline of the driveway. The mark is flush with the surface of the ground and the disk is stamped "DOUGLAS 1950". | 1276.134 |

END OF SPUR

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|----|------|---|----------|
| 32 | 9.5 | UE Douglas A, 1 mi N. and 0.4 mi E. of disk at crossroads; 181 ft S., 28.5 ft E. and 5.6 ft lower than crossroads; E. end of 3 ft metal culvert; punched hole | 1239.84 |
| 34 | 10.5 | Reference mark, is 10.5 ft N. of tablet, 32.5 ft S. and 52 ft E. of T-rd. W., SW. side of 2.5 ft soft maple tree, head of a RR. spike | 1267.74 |
| 35 | 10.5 | Newell, 3.2 mi S. and 0.5 mi E. of near cor. secs. 4, 5, 32 and 33, T. 89 and 90 N., R. 35 W., 43.5 ft S., 53 ft E. and 2.3 ft lower than hwy. (co. M-54) at road W., 11.5 ft S. of 2.5 ft maple tree; at NW. cor. of grove of trees and 1 ft N. of metal witness post; attached to a driven copper coated steel rod centered in a 6-in. gravel filled tile, a standard tablet stamped "11 KED 1974" and approx. 1-in. below ground surface | 1266.475 |

LINE 4 (Cont'd)

FONDA QUAD. - 204

FEET

- 2 38 11.6 UE 11 A, 1 mi N. of tablet, at crossroads, 35.5 ft N., 44 ft E. and 2.7 ft lower than cross-
rds., 1.5 ft N. and 1 ft W. of fence corner, top of 0.5 in. iron rod, projecting 0.6 ft 1259.00
- 40 12.6 UE 11 B, 2 mi N. of tablet, at crossroads; 57 ft N., 22.5 ft E. and 3.9 ft lower than cross-
roads; E. end of 2 ft concrete pipe culvert; chiseled square 1253.05
- 41 13.7 BM 5 XED 1974 (Described in Line 3) 1257.308

LINE 5

M.L. Kennedy, 1974; Book CV-3134

HAVELOCK QUAD. - 226

- 4 2 0.0 Pocahontas, 1 mi N. and 3.5 mi W. of; 32 ft N., 159 ft E. and 4.7 ft lower than crossroad,
cor. secs. 27, 28, 33 and 34, T. 92 N., R. 33 W.; 1 ft S. of N. right-of-way fence; on 5 ft
copper coated steel rod inside 6-in. concrete tile; standard tablet stamped "86 T 1966 1271" 1270.742

MANSON QUAD. - 203

- 4 1.1 UE 86 T A, 1 mi S. along road from tablet in the NW. cor. of sec. 3, T. 91 N., R. 33 W.,
75 ft S., 24 ft E. and 3 ft lower than centerline of crossroads on E. end of fantail con-
crete culvert; a chiseled square 1263.87

FONDA QUAD. - 204

- 6 2.1 UE 86 T B, 1 mi S. and 1 mi W. along roads from tablet, 43 ft S., 25 ft W. and 3.7 ft
lower than centerline of crossroad at hwy. No. 3, on the W. end of concrete culvert; a
chiseled square 1257.83
- 8 3.1 Pocahontas, 4 mi W. and 1 mi S. from near the cor. of secs. 4, 5, 8 and 9, T. 91 N., R. 33
W., 26 ft E. and 13 ft N. from centerline of crossroads on the NW. wingwall, 0.5 ft N. of
NW. end of guard rail, a standard tablet embedded in concrete stamped "18 MK 1974" 1248.255
- 9 3.2 Reference mark, approximately 236 ft SSE. down drain from tablet on the N. end of a large
(6 ft) oval corrugated metal pipe culvert, a punched-painted hole 1244.70
- 10 4.1 UE 18 MK A, 1 mi S. along road from tablet, 300 ft N., 28 ft E. and 10.7 ft lower than
centerline of T-rd. N. on S. end of concrete culvert under farmyard drive; a chiseled
square 1252.53
- 13 5.1 UE 18 MK B, 1 mi S. and 1 mi W. along roads from tablet near the cor. of secs. 7, 8, 17
and 18, T. 91 N., R. 33 W., 35 ft E., 33 ft N. and 2.2 ft lower than centerline of cross-
roads, in a utility pole stub, a rail spike, approx. 5-in. above ground, painted white,
1 ft S. of utility pole 1253.41
- 15 6.2 UE 18 MK C, 1 mi S., 1 mi W. and 1 mi S. from tablet, 213 ft E., 23 ft N. and 2.7 ft
lower than centerline of T-rd. N. on E. end of concrete culvert under entrance to grain
bins, a chiseled square 1252.41
- 17 6.6 BM, Pocahontas, 3 mi S. and 4.5 mi W. from near the quarter cor. between secs. 17 and 20,
T. 91 N., R. 33 W., 32 ft N. of centerline of T-rd. S; 1.4 ft S. of fence post, 1 ft N. of
center between two posts supporting a T-rd. sign, a standard rod supported tablet stamped
"19 MK 1974" 1262.573
- 18 6.7 Reference mark, 63 ft SSE. from tablet, 26 ft S., 21 ft E. and 0.7 ft lower than centerline
of T-rd. S. on E. end of concrete culvert; a chiseled square 1263.30

LINE 5 (Cont'd)

FONDA QUAD. - 204

FEET

4	20	7.7	UE 19 MK A, 0.9 mi S. along road from tablet, approx. .05 mi N. from T-rd. N., 8 ft S., 30 ft W. and 6.1 ft lower than road at field entrance on S. end of concrete culvert under field entrance; a chiseled square	1261.59
	22	8.3	UE 19 MK B, 1 mi S. and 0.6 mi E. from tablet, 49 ft E., 21 ft N. and 3.6 ft lower than centerline of T-rd. S. on N. end of concrete culvert; a chiseled square	1260.03
	24	9.3	UE 19 MK C, 1 mi E. and 1 mi S. along roads from tablet, 135 ft E., 33 ft N., and 3.3 ft lower than centerline of crossroads on the E. end of a concrete culvert; under a field entrance; a chiseled square	1281.39
	26	10.4	Reference mark, 76 ft E. of tablet, 45 ft W., 29 ft S. and 2.7 ft lower from centerline of crossroads on N. end of concrete culvert; a chiseled square	1265.67
	27	10.4	BM, Palmer, 8 mi W. and 1 mi N. from, near the cor. of secs. 32, 33, 4 and 5, T. 91 and 90 N., R. 33 W., 45 ft W. and 29 ft S. of centerline of crossroad, a standard rod supported tablet, 2 ft NW. of a fence post, stamped "20 MK 1974"	1264.943
	29	11.3	UE 20 MK A, 1 mi S. of tablet along road, 33 ft S., 29 ft W. and 2.1 ft lower than centerline of crossroads, on the SW. end of a corrugated metal pipe culvert, a punched hole	1264.76
	31	12.3	UE 20 MK B, 2 mi S. along road from tablet, 38 ft W., 29 ft S., and 3.4 ft lower than centerline of crossroads, on the E. end of a corrugated metal pipe culvert, a punched; painted hole	1265.03
	33	13.3	Reference mark, 69.5 ft S. of tablet, 46 ft E., and 34 ft S. of centerline of crossroad atop a 1.5-in. pipe, painted white	1262.30
	34	13.3	BM, Fonda, 4.5 mi E. and 1.5 mi N. from near the cor. of secs. 16, 17, 20 and 21, T. 90 N., R. 33 W., 47 ft E., and 35 ft N. of centerline of crossroads, 1.5 ft S. of wood post, with witness sign, a standard rod supported tablet stamped "21 MK 1974"	1261.513
	36	14.4	UE 21 MK A, 1 mi S. along road from tablet, 111 ft S., 48 ft E. and 2.1 ft lower than centerline of crossroads on the concrete approach ramp to a large white corn crib, on the NW. cor. of the ramp, a chiseled square	1258.95
	38	15.3	UE 21 MK B, 2 mi S. along road from tablet, 22 ft E., 8 ft S. and 1.2 ft lower than centerline of T-rd. W. on the N. end of a concrete culvert under a field entrance; a chiseled square	1242.83
	41	16.4	UE 21 MK C, 3 mi S. along roads from tablet, 123 ft E., 23 ft N. and 1.4 ft lower than centerline of crossroads, on the N. end of a large concrete culvert, a chiseled square	1228.46
	42	16.5	Reference mark, 148 ft N. of tablet, 16 ft W. of centerline of the road on the W. end of a corrugated metal pipe culvert, a punched hole	1224.23
	43	16.5	BM, Fonda, 4.5 mi E. and 1.6 mi S. along roads from approx. 700 ft S. from the cor. of secs. 32, 33, 4 and 5, T. 90 and 89 N., R. 33 W., 37 ft W. of centerline of road atop a low small concrete dam, 16 ft W. of the E. end of dam, a standard tablet, embedded in concrete stamped "22 MK 1974"	1222.285
	45	17.3	UE 22 MK A, 0.8 mi S. along road from tablet, 30 ft S., 21 ft E. and 4 ft lower than centerline of crossroad on the E. end of a corrugated metal pipe culvert, a punched painted hole	1219.63

LINE 5 (Cont'd)

FONDA QUAD. - 204

FEET

- 4 47 18.4 UE 22 MK B, 1.9 mi S. along road from tablet, 28 ft E., 12 ft S. and 3.5 ft lower than road at drive E. to farm occupied by the Eichners on the S. end of a concrete culvert, under the drive, a chiseled square 1222.87
- 49 19.3 UE 22 MK C, 2.8 mi S. along road from tablet, 30 ft N., 22 ft E. and 1.8 ft lower than centerline of T-rd. N., on the E. end of a concrete culvert; a chiseled square 1226.81
- 50 19.6 BM, At Knoke, Calhoun County, 109 yards SE. of the Chicago, Milwaukee, St. Paul & Pacific RR. station, 73 ft W. of a hwy. crossing, 40.4 ft NW. of a switch on the SE. end of a side-track, and 25.9 ft NW. of the NW. rail, a standard USC&GS disk, stamped "B 23 1934" and set in the top of a concrete post projecting 6-in. above ground 1230.942

LINE 6

F.W. Krueger, 1975; Book CV-3234

SAC CITY QUAD. - 180

- 2 47 32.2 UE 9 B, 1 mi N. and 0.5 mi W. from tablet; T. 89 N., R. 34 W., near cor. secs. 28, 29, 32 and 33, 2 ft N., 31 ft W. and 2.2 ft lower than crossroads; on N. end of a N.-S. iron pipe culvert; a punched hole 1213.63

FONDA QUAD. - 204

- 49 33.2 UE 9 C, 2 mi N. and 0.5 mi W. from tablet; T. 89 N., R. 34 W., near cor. secs. 20, 21, 28 and 29, 31 ft N., 29 ft E. and 0.3 ft higher than T-rd. S.; on E. side of a power-line brace post; a previously set lag bolt, possible UE from overedge leveling 1238.73
- 52 34.5 BM, At Knoke, at the SE. cor. of the town, 34 ft N., 67 ft W. and 2.2 ft lower than E.-W. road at R.R. and projected T-rd. S.; 33 ft W. of the S. end of a switch and siding; 29 ft SW. (normal) of centerline of main track; 4 ft N. and 6 ft E. of a telephone pole; centered in an 8-in. ceramic tile about 6-in. below ground level; in a concrete post; standard USC&GS disk stamped "B 23 1934" 1230.942