

8752 007 10.0

81

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

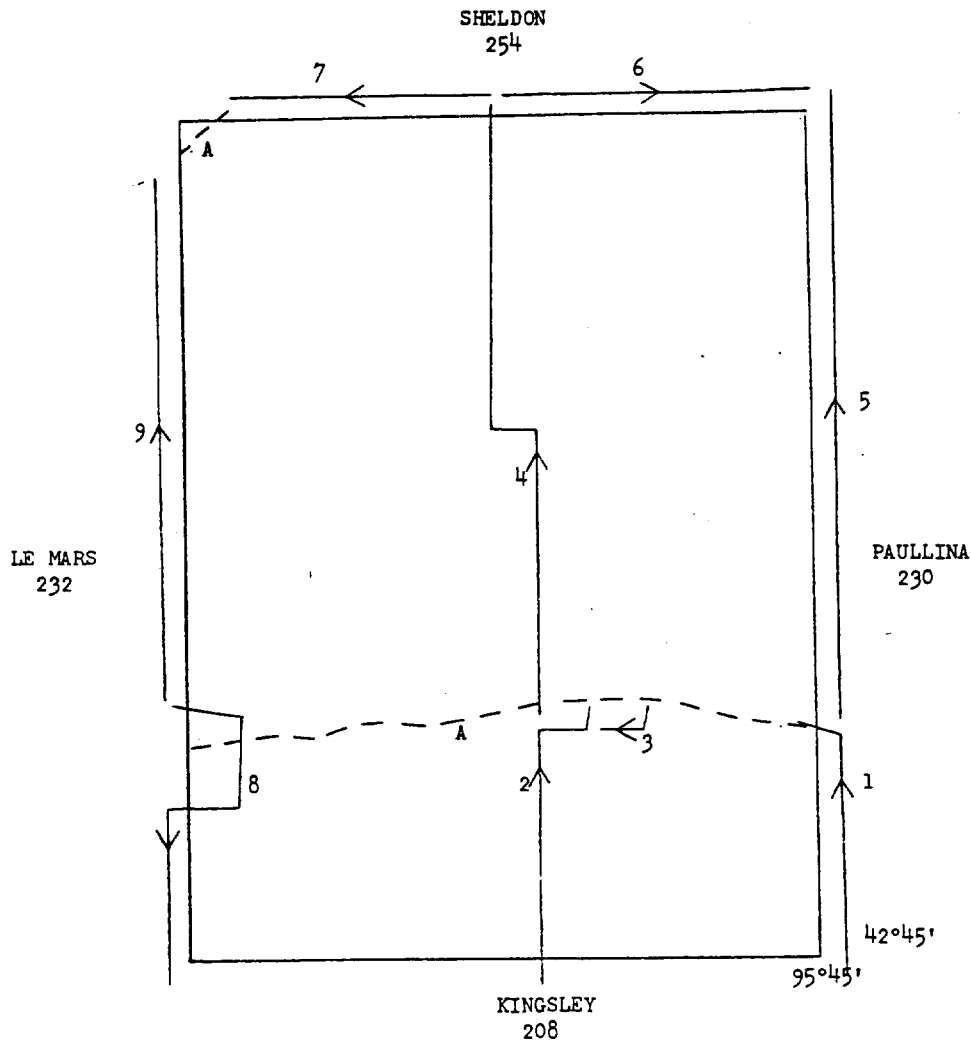
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

REMSEN QUADRANGLE
231 - IOWA
N4245-W9545/15
Diagram NK 15-4
Ft. Dodge, Iowa

Final Adjustment of 1969

O'Brien, Cherokee, Sioux
and Plymouth Counties

Edition of 11/3/72
PR: AKH/PH/kw



USC&GS LEVELING

A = Quadrangle No. 420954

Based on Supplemental Adjustment of 1937, 1938 and 1939

231A

2
REMSEN QUADRANGLE
231 - IOWA

FEET

LINE 1

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

QUIMBY QUAD. - 207

2 59 15.1 UE; center of crossroad (Co. Hwy. "A" E.-W.), cor. secs. 30, 31, 25 and 36, T. 92 N., Rs. 41 and 42 W.; copper nail and washer; painted "UE Centerline" 1370.13

PAULLINA QUAD. - 230

60 16.2 Reference mark, 460 ft SSW. of tablet, 40 ft N. and 15 ft W. of crossroad; 3 ft concrete tube culvert; chiseled square, painted "RM" 1413.57

61 16.2 Cleghorn, 3.25 mi S. and 1.5 mi W. of; 497 ft N., 36 ft E. and 6.1 ft higher than crossroad, cor. secs. 19, 30, 24 and 25, T. 92 N., Rs. 41 and 42 W.; at NW. cor. grove of trees; 18 ft N. of cor. of fences N. and E. and steel witness sign; 1 ft W. of E. right-of-way fence; on 25 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "5 T 1968 1422" 1421.950

62 17.1 UE; 45 ft N., 28 ft E. and 2.3 ft lower than crossroad, cor. secs. 13, 18, 19 and 24, T. 92 N., Rs. 41 and 42 W.; 3 ft concrete tube culvert; chiseled square, painted "UE" 1421.87

63 18.2 UE; 43 ft S., 23 ft E. and 3.7 ft lower than crossroad, cor. secs. 7, 12, 13 and 18, T. 92 N., Rs. 41 and 42 W., 3 ft concrete tube culvert; chiseled square, painted "UE" 1419.06

64 19.2 UE; center of Iowa Hwy. 3 at N.-S. rd., cor. secs. 1, 6, 7 and 12, T. 92 N., R. 41 and 42 W.; copper nail and washer, painted "UE Centerline" 1427.06

65 19.9 2.9 mi E. along the Illinois Central RR. from the station at Marcus, Cherokee County, 260 yards W. of a rd. crossing, 44 ft N. of the N. rail and 2.5 ft S. of the right-of-way fence; a standard disk, stamped "W 24 1934" and set in the top of a concrete post projecting 6 in. above ground. 1399.682

66 20.5 UE; center of crossroad, cor. secs. 31, 36, 1 and 6, Tps. 92 and 93 N., Rs. 41 and 42 W.; painted "UE Centerline" 1429.8

67 21.5 UE; center of crossroad, cor. secs. 35, 36, 1 and 6, Tps. 92 and 93 N., R. 42 W., painted "UE Centerline" 1402.1

REMSEN QUAD. - 231

68 22.5 1 mi E. along the I.C. RR. from the station at Marcus, Cherokee Co., at a section line rd. crossing, 75 ft W. of the center of the rd., 8.5 ft S. of the first pole W. of the crossing, 44.7 ft S. of the S. rail, and 1.5 ft N. of the right-of-way fence; a standard disk stamped "X 24 1934" and set in the top of a concrete post projecting 4 in. above ground 1416.103

LINE 2

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

KINGSLEY QUAD. - 208

3 69 15.2 Reference mark, 171 ft SSE. of tablet, 30 ft N., 60 ft E. of crossroad, 4 x 4 ft concrete box culvert, center N. headwall; chiseled square, painted "RM" 1400.40

70 15.2 Marcus, 5.5 mi S. and 2.5 mi W. of; 201 ft N., 37 ft E. and 8.5 ft lower than crossroad, cor. secs. 25, 30, 31 and 36, T. 92 N., Rs. 42 and 43 W., 201 ft N. center of Co. Hwy. C 38; 6 ft S. of steel witness sign; 1 ft W. of E. right-of-way fence; on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "22 T 1968 1397" 1396.961

3
REMSEN QUADRANGLE
231 - IOWA

FEET

LINE 2 (Cont'd)

REMSEN QUAD. - 231

- 3 71 16.2 UE; 21 ft N., 23 ft W. and 2.0 ft lower than crossroad, cor. secs. 19, 24, 25 and 30, T. 92 N., Rs. 42 and 43 W.; 3 ft corrugated steel culvert; punch hole, painted "UE" 1405.88
- 72 17.2 UE; 170 ft N., 21 ft E. and 2.1 ft lower than crossroad, cor. secs. 13, 18, 19 and 24, T. 92 N., Rs. 42 and 43 W.; 4 ft corrugated steel culvert; X-mark, painted "UE" 1407.24
- 73 18.1 Marcus, 2.5 mi S. and 2.5 mi W. of; 168 ft S., 34 ft E. and 7.2 ft lower than crossroad, cor. secs. 12, 13, 7 and 18, T. 92 N., Rs. 42 and 43 W.; 7 ft S. of steel witness sign; 1 ft W. of E. right-of-way fence; on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "23 T 1968 1372" 1372.276
- 74 18.2 Reference mark, 198 ft NW. of tablet; 25 ft N., 37 ft W. of crossroad; 2.5 ft concrete tube drive culvert; chiseled square, painted "RM" 1377.20
- 75 19.2 UE; center of T-rd. S. (Iowa Hwy. 3 E.-W.), cor. secs. 1, 12, 6 and 7, T. 92 N., Rs. 42 and 43 W.; copper nail and washer, painted "UE Centerline" 1421.91
- 76 20.3 UE; 35 ft S., 21 ft W. and 1.9 ft lower than T-rd. S. (rd. N. offset), cor. secs. 36, 31, 1 and 6, Tps. 92 and 93 N., Rs. 42 and 43 W.; 2.5 ft concrete tube culvert; X-mark, painted "UE" 1427.96
- 77 21.4 UE; 40 ft N., 15 ft W. and 1.8 ft lower than crossroad, cor. secs. 31, 32, 5 and 6, Tps. 92 and 93 N., R. 42 W., 3 ft concrete tube culvert; chiseled square, painted "UE" 1419.78
- 78 21.8 1.6 mi W. along the Illinois Central RR. from the station at Marcus, Cherokee Co., 80 yards W. of a rd. crossing, 43.2 ft SE. of the third pole W. of the crossing, 44.3 ft S. of the S. rail, and 3.1 ft N. of the right-of-way fence; a standard disk, stamped "A 25 1934", and set in the top of a concrete post projecting 6 in. above ground 1440.973

LINE 3

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

REMSEN QUAD. - 231

- 3 79 0.0 at Marcus, Cherokee Co., in the E. wall of the I. C. RR. station, 17.6 ft S. of the S. rail of the main track, 1.9 ft S. of the NE. cor. of the station and 0.8 ft higher than the station platform; a standard disk, stamped "Y 24 1934" and set vertically 1455.447
- 79 0.9 UE; center of crossroad (Iowa 143 N.-S.), cor. secs. 31, 32, 5 and 6, T. 92 and 93 N., R. 42 W.; copper nail and washer, painted "UE Centerline" 1430.70
- 80 1.9 UE; 40 ft N., 15 ft W. and 1.8 ft lower than crossroad, cor. secs. 31, 32, 5 and 6, Tps. 92 and 93 N., R. 42 W., 3 ft concrete tube culvert; chiseled square, painted "UE" 1419.78

LINE 4

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

REMSEN QUAD. - 231

- 6 1 0.0 UE, X-mark (Described in Line 2) 1427.96
- 1 1.0 UE; 31 ft N., 25 ft W. and 2.6 ft lower than crossroad, cor. secs. 25, 36, 31 and 30, T. 93 N., Rs. 42 and 43 W., 2 ft corrugated steel culvert; punch hole; painted "UE" 1464.78

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REMSEN QUADRANGLE
231 - IOWA

FEET

LINE 4 (Cont'd)

REMSEN QUAD. - 231

6	2	2.1	UE; 20 ft N., 27 ft E. and 1.4 ft lower than crossroad, cor. secs. 24, 25, 19 and 30, T. 93 N., Rs. 42 and 43 W., 2.5 ft corrugated steel culvert; punch hole; painted "UE"	1459.47
3	3	3.0	Marcus, 2.5 mi N. and 2.5 mi W. of; 230 ft S., 35 ft E. and same elev. as crossroad, cor. secs. 18, 19, 13 and 24, T. 93 N., Rs. 42 and 43 W., 6 ft N. of steel witness sign; 1 ft W. of E. right-of-way fence; on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "37 T 1968 1423"	1423.332
4	3	3.1	Reference mark, 201 ft NW. of tablet, 41 ft S., 17 ft W. of crossroad; Plymouth Co. Hwy. C 16 W., 3 ft concrete tube culvert; chiseled square, painted "RM"	1421.16
5	4	4.1	UE; 22 ft S., 26 ft E. and 1.0 ft lower than crossroad, cor. secs. 7, 18, 12 and 13, T. 93 N., Rs. 42 and 43 W.; 3.5 ft concrete tube culvert; chiseled square, painted "UE"	1437.51
6	5	5.2	UE; 33 ft N., 21 ft W. and 4.7 ft lower than crossroad, cor. secs. 6, 7, 1 and 12, T. 93 N., Rs. 42 and 43 W.; 3.5 ft concrete tube culvert; chiseled square, painted "UE"	1439.42
7	6	6.1	Marcus, 5.5 mi N. and 2.5 mi W. of, 298 ft S., 39 ft W. and 2.5 ft higher than crossroad, cor. secs. 31, 6, 36 and 1, Tps. 93 and 94 N., Rs. 42 and 43 W., 5 ft S. of steel witness sign; 1 ft E. of W. right-of-way fence; on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "38 T 1968 1445"	1444.565
8	6	6.2	Reference mark, 248 ft NNE. of tablet, 48 ft N., 36 ft E. of crossroads, S. side power pole; rail spike, painted "RM"	1439.36
9	7	7.2	UE; center of crossroad (asphalt Co. Hwy. N.-S.), cor. secs. 36, 1, 35 and 2, Tps. 93 and 94 N., R. 43 W.; copper nail and washer painted "UE Centerline"	1423.28
10	8	8.2	UE; center of crossroads (Co. asphalt hwy. N.-S.), cor. secs. 25, 36, 26 and 35, T. 94 N., R. 43 W.; copper nail and washer, painted "UE Centerline"	1387.51
11	9	9.2	Marcus, 7.5 mi N. and 3.5 mi W. of; 315 ft S., 50 ft E. and 4.8 ft lower than crossroad, (asphalt Co. Hwy. N.-S.), cor. secs. 23, 24, 25 and 26, T. 94 N., R. 43 W.; 5 ft S. of steel witness sign, 1 ft W. of E. right-of-way fence, on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "39 T 1968 1405"	1405.05
12	9	9.3	Reference mark, 283 ft N. of tablet; 32 ft S. and 50 ft E. of crossroad; W. side power pole; rail spike, painted "RM"	1407.958
13	10	10.3	UE; center of crossroad (Co. Hwy. asphalt N.-S.), cor. secs. 13, 14, 23 and 24, T. 94 N., R. 43 W.; copper nail and washer, painted "UE Centerline"	1421.99
14	11	11.3	UE center of crossroad (Co. asphalt Hwy. N.-S.), cor. secs. 11, 12, 13 and 14, T. 94 N., R. 43 W.; copper nail and washer, painted "UE Centerline"	1448.55
15	12	12.3	Grayville, in SW. cor. of; 60 ft N., 123 ft W. and 3.5 ft lower than crossroad, cor. secs. 1, 2, 11 and 12, T. 94 N., R. 43 W.; 60 ft N. of center of Iowa Hwy. 10; 8 ft SW. of SW. cor. Iowa Public Service Co. substation; 4 ft W. of cor. post of fence N. and W.; 1 ft S. of N. right-of-way fence; near NE. cor. Vosburg Field (high school); on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "40 T 1968 1449"	1448.378

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REMSEN QUADRANGLE
231 - IOWA

				<u>FEET</u>
				<u>REMSEN QUAD. - 231</u>
<u>LINE 4 (Cont'd)</u>				
6	16	12.3	Reference mark, 150 ft SE. of tablet, 55 ft S., 27 ft W. of crossroad; 3 ft concrete tube culvert; chiseled square, painted "RM"	1449.20
17	13.4	UE; center of crossroad, cor. secs. 35, 36, 1 and 2, Tps. 94 and 95 N., R. 43 W.; painted "UE Centerline"		1456.5
18	14.4	UE; 11 ft N., 69 ft E. and 0.7 ft lower than crossroad, cor. secs. 25, 26, 35 and 36, T. 95 N., R. 43 W.; 3 x 3 ft concrete box culvert, center N. concrete headwall; chiseled square, painted "UE"		1431.99
19	15.4	UE; center of crossroad (Co. Hwy. "H" N.-S.), cor. secs. 25, 27, 34 and 35, T. 95 N., R. 43 W.; copper nail and washer, painted "UE Centerline"		1437.18
20	16.5	Hospers, 4.5 mi S. and 0.5 mi W., T. 95 N., R. 43 W., cor. secs. 27, 28, 34 and 33; 31 ft S., 180 ft W. and 7.8 ft lower than crossroads; 1 ft S. of power pole and between fence and power pole; a standard tablet in top of a concrete post stamped "1405 27 LMT 1963" painted "BM 1405.3"		1405.320

LINE 5

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

PAULLINA QUAD. - 230

6	21	0.0	2.9 mi E. along the I. C. RR. from the station at Marcus, Cherokee Co., 260 yards W. of a rd. crossing, 44 ft N. of the N. rail, and 2.5 ft S. of the right-of-way fence; a standard disk stamped "W 24 1934" and set in the top of a concrete post projecting 6 in. above ground	1399.682
21	0.5	UE; center of crossroad, cor. secs. 1, 6, 31 and 36, Tps. 92 and 93 N., Rs. 41 and 42 W., painted "UE Centerline"		1429.76
22	1.6	UE; 18 ft S., 38 ft E. and 1.6 ft lower than crossroad, cor. secs. 25, 30, 31 and 36, T. 93 N., Rs. 41 and 42 W.; (W. of 2) 3 ft concrete tube culvert; chiseled square, painted "UE"		1395.62
23	2.6	UE; 24 ft N., 40 ft E. and 2.3 ft lower than crossroad, cor. secs. 19, 30, 24 and 25, T. 93 N., Rs. 41 and 42 W., 3 ft concrete tube culvert; chiseled square, painted "UE"		1429.01
24	3.6	Reference mark, 268 ft S. of tablet, 22 ft S. and 36 ft W. of crossroad, 3.5 ft concrete tube culvert; chiseled square, painted "RM"		1429.86
25	3.6	Marcus, 2.5 mi N. and 3.5 mi E. of, 246 ft N., 34 ft W. and 5.5 ft lower than crossroad, cor. secs. 18, 19, 13 and 24, T. 93 N., Rs. 41 and 42 W., 7 ft S. of steel witness sign; 1 ft E. of W. right-of-way fence, on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "41 T 1968 1427"		1427.315
26	4.7	UE; 33 ft N., 35 ft E. and 3.5 ft lower than crossroad, cor. secs. 7, 12, 13 and 18, T. 93 N., Rs. 41 and 42 W.; W. side power pole; rail spike, painted "UE"		1413.95
27	5.7	UE; 25 ft N., 28 ft W. and 1.8 ft lower than crossroad, cor. secs. 1, 6, 7 and 12, T. 93 N., Rs. 41 and 42 W., 2.5 ft corrugated steel drive culvert; punch mark, painted "UE"		1394.24
28	6.7	Reference mark, 308 ft S. of tablet; 20 ft S., 34 ft E. of crossroad, 3.5 ft concrete tube culvert; chiseled square, painted "RM"		1388.14

6
REMSEN QUADRANGLE
231 - IOWA

FEET

LINE 5 (Cont'd)

PAULLINA QUAD. - 230

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| 6 29 | 6.7 | Marcus, 5.5 mi N. and 3.5 mi E. of; 288 ft N., 40 ft E. and 2.1 ft lower than crossroad, cor. secs. 1, 6, 31 and 36, Tps. 93 and 94 N., Rs. 41 and 42 W.; 8 ft S. of steel witness sign; 1 ft W. of E. right-of-way fence, on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "42 T 1968 1387" | 1387.326 |
| 30 | 7.7 | UE; center of crossroad (Co. asphalt E.-W.) cor. secs. 30, 31, 25 and 36, T. 94 N., Rs. 41 and 42 W.; copper nail and washer, painted "UE Centerline" | 1415.52 |
| 31 | 8.7 | UE; 34 ft N., 25 ft W. and 2.7 ft lower than crossroad, cor. secs. 19, 24, 25 and 30, T. 94 N., Rs. 41 and 42 W., 3 ft concrete tube culvert; chiseled square, painted "UE" | 1410.08 |
| 32 | 9.7 | Reference mark, 409 ft S. of tablet, 85 ft S., 10 ft W. of crossroad, NW. cor. concrete deck bridge, N. end of W. concrete curb; chiseled square, painted "RM" | 1367.59 |
| 33 | 9.8 | Paullina, 1.75 mi S. and 2.75 mi W. of; 324 ft N., 38 ft W. and 1 ft lower than crossroad, cor. secs. 18, 19, 13 and 24, T. 94 N., Rs. 41 and 42 W.; 5 ft S. of steel witness sign; 1 ft E. of W. right-of-way fence, on 10 ft copper coated steel rod inside 6 in. concrete tile; standard tablet stamped "43 T 1968 1365" | 1365.323 |
| 34 | 10.8 | UE; 34 ft N., 26 ft W. and 2.2 ft lower than crossroad, cor. secs. 7, 12, 13 and 18, T. 94 N., Rs. 41 and 42 W.; 3 ft concrete tube culvert; chiseled square, painted "UE" | 1373.82 |
| 35 | 11.8 | Reference mark, 515 ft SSW. of tablet, 130 ft S., 25 ft W. of crossroad (Iowa Hwy. #10 E.-W.), 2.5 ft concrete tube culvert set askew, center concrete headwall; chiseled square, painted "RM" | 1424.32 |
| 36 | 11.9 | Paullina, 0.25 mi N. and 2.75 mi W. of; 272 ft N. of center of Chicago & Northwestern RR., 382 ft N., 50 ft E. and 1.2 ft higher than crossroad (Iowa Hwy. 10 E.-W.), cor. secs. 1, 6, 7 and 12, T. 94 N., Rs. 41 and 42 W.; 6 ft S. of steel witness sign; 1 ft W. of E. right-of-way fence on 10 ft copper coated steel rod; standard tablet stamped "44 T 1968 1423" | 1423.347 |
| 37 | 12.9 | UE; 34 ft S., 34 ft E. and 1.2 ft lower than T-rd. E., cor. secs. 1, 6, 31 and 36, Tps. 94 and 95 N., Rs. 41 and 42 W., 3 ft concrete tube culvert; chiseled square, painted "UE" | 1392.27 |

PRIMGHAR QUAD. - 253

- | | | | |
|----|------|--|----------|
| 39 | 14.2 | Sheldon, 11.7 mi S. and 5.8 mi E. of; T. 95 N., R. 42 W., 0.2 mi W. of secs. 25, 30, 31 and 36; 44 ft N., 1300 ft W. of crossroads; 4 ft SE. of a RR. tie fencepost and 1 ft S. of fence; also 2.3 ft lower than rd. opposite; a standard tablet in top of a concrete post; stamped "1421 26 LMT 1963" painted "BM 1421.2" | 1421.329 |
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LINE 6

L. M. Tackett, 1963; Book CV-1568

SHELDON QUAD. - 254

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| 12.1 | Sheldon, 11.7 mi S. of, on co. line, T. 95 N., Rs. 42 and 43 W., cor. secs. 25, 30, 31 and 36, 142 ft N. and 34 ft W. and 4.2 ft lower than crossroads; 2 ft N. of power pole and 2 ft E. of fence and projecting 1 in. above the ground; a standard disk in top of a concrete post; stamped "1439 24 LMT 1963" painted "BM 1438.6" | 1438.693 |
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FEET

LINE 6 (Cont'd)

SHELDON QUAD. - 254

- 12.1 Reference mark, 17 ft S. and 31 ft W. of crossroads; punched hole in S. end of steel culvert 1439.84
- 13.1 UE 24 LMT A; T. 95 N., R. 42 W., at cor. secs. 29, 30, 31 and 32; 27 ft S., 33 ft E. and 2.5 ft lower than crossroads; a chiseled square on W. end of a concrete tile culvert 1441.58
- 14.2 UE 24 LMT B; T. 95 N., R. 42 W., at cor. secs. 28, 29, 32 and 33; 34 ft N., 16 ft E. and 3.1 ft lower than crossroads; a chiseled square on E. end of a concrete tile culvert; 1449.77
- 15.1 Reference mark, 76 ft N. and 40 ft W. of crossroads; a chiseled square on S. end of a concrete tile culvert 1442.30
- 15.2 Sheldon, 11.7 mi S. and 3.0 mi E. of, T. 95 N., R. 42 W., cor. secs. 27, 28, 33 and 34; 46 ft N. and 76 ft E. and 3.1 ft lower than crossroads; set flush with the ground; a standard tablet in top of a concrete post; stamped "1443 25 LMT 1963" 1442.690
- 16.2 UE 25 LMT A; T. 95 N., R. 42 W., at cor. secs. 26, 27, 34 and 35; 36 ft S., 20 ft W. and 2.9 ft lower than crossroads; a chiseled square on W. end of a concrete tile culvert 1429.33
- 17.2 UE 25 LMT B; T. 95 N., R. 42 W., cor. secs. 25, 26, 35 and 36, 33 ft S. and 22 ft W. and 3.1 ft lower than crossroads; a chiseled square on W. end of concrete tile culvert 1419.04
- PRINGHAR QUAD. - 253
- 17.9 Sheldon, 11.7 mi S. and 5.8 mi E. of; T. 95 N., R. 42 W., 0.2 mi W. of secs. 25, 30, 31 and 36; 44 ft N. and 1300 ft W. of crossroads; 4 ft SE. of a RR. tie fence post and 1 ft S. of fence; 2.3 ft lower than rd. opposite; a standard tablet in top of a concrete post; stamped "1421 26 LMT 1963" 1421.329
- 18.2 UE 18 LMT D; T. 95 N., Rs. 41 and 42 W., cor. secs. 25, 30, 31 and 36; 38 ft N. and 14 ft W. and 1.7 ft lower than crossroads; a chiseled square in center of W. headwall of concrete culvert 1400.34

LINE 7

L. M. Tackett, 1963; Book CV-1568

SHELDON QUAD. - 254

- 0.0 "24 LMT 1963" (Described in Line 6) 1438.693
- 1.0 UE 24 LMT AA; T. 95 N., R. 43 W., cor. secs. 25, 26, 35 and 36, 67 ft N., 11 ft W. and 0.6 ft lower than crossroads; 4 ft above the drain; a chiseled square, in center of W. headwall of culvert 1432.04
- 2.0 UE 24 LMT BB; T. 95 N., R. 43 W., cor. secs. 26, 27, 34 and 35, a 40d nail driven in asphalt rd. at gravel crossroads 1437.27
- 3.0 Reference mark, 60 ft S., 27 ft E. of crossroad; a chiseled square on S. end of a concrete tile culvert 1411.16
- 3.1 "1405 27 LMT 1963" (Described in Line 5) 1405.320
- 5.0 UE 27 LMT B; T. 95 N., R. 43 W., cor. secs. 29, 30, 31 and 32; 30 ft N., 31 ft E. and 2.3 ft lower than T-rd. S.; a rail spike in S. side of power pole 1358.91
- 5.7 Alton, 2.6 mi NE. along the Chicago, St. Paul, Milwaukee and Ohio RR. from the station at; 44 yards SW. of MP 225, 31 yards SE. of iron culvert 763, 39 yards N. of a rd. crossing, 47.1 ft NW. of the NW. rail, and 1.7 ft SE. of the right-of-way fence; a standard disk stamped "C 16 1934" and set in top of a concrete post projecting 4 in. above ground USC&GS post 1315.778

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REMSEN QUADRANGLE
231 - IOWA

FEET

LINE 8

W. H. Veatch, 1957; Book CV-864

REMSEN QUAD. - 231

- 0.0 Remsen at; about 172 yards E. of the I. C. RR. station, 54.7 ft S. of the S. rail of the main track, at the Light and Power Plant building, in the first row of brick of the W. wall, 1 ft S. of the NW. cor. and about 3.6 ft above ground; a standard USC&GS disk stamped "REMSEN 1934" and set vertically 1330.089
- 0.8 UE 1358.4; 0.3 mi W. and 0.5 mi S. of tablet; along gravel rd., T. 92 N., Rs. 43 and 44 W., at cor. of secs. 1, 6, 7 and 12, center of crossroads; (Intersection with State Hwys. 3 and 5), top of a copper nail and washer 1358.36
- 1.3 UE 1409.0; 0.3 mi W. and 1.0 mi S. of tablet; along gravel rd., T. 92 N., Rs. 43 and 44 W., near quarter cor. between secs. 7 and 12, center of rd. opposite T-fence E. 1409.0
- 1.7 UE 1386.7; 0.3 mi W. and 1.5 mi S. of tablet; along gravel rd., T. 92 N., Rs. 43 and 44 W., cor. secs. 7, 12, 13 and 18; 271 ft N., 11 ft W. and 12.3 ft lower than center of crossroads; (trail rd. E.), in center of S. headwall of concrete culvert; a chiseled square 1386.75
- 2.3 UE 1358.3; 0.8 mi W. and 1.5 mi S. of tablet; along gravel rd., T. 92 N., R. 44 W. at quarter cor. between secs. 12 and 13, center of rd. opposite T-fence N. 1358.3

LE MARS QUAD. - 232

- 2.8 Reference mark, 431 ft N. of tablet, 14 ft S., 30 ft W. from center of rd. at T-rd. S. on S. end of a 24 in. steel pipe culvert; a punched hole 1367.5
- 2.8 Remsen, 1.5 mi S. and 1.5 mi W. from, T. 92 N., R. 44 W., 445 ft S., 32 ft W. and 10.8 ft higher than center of rd. at T-rd. S. and T-fence N., at approx. cor. secs. 11, 12, 13 and 14, 3 ft S., 3 ft W. from power pole, 1 ft E. of fence line, in a concrete post; a standard tablet stamped "26 WHV 1957 1381" 1380.591
- 3.2 UE 26 A; 0.4 mi S. of tablet along gravel rd., T. 92 N., R. 44 W., at quarter cor. between secs. 13 and 14, center of rd. opposite cross fences 1412.26
- 3.7 UE 26 B; 0.9 mi S. of tablet; along gravel rd., T. 92 N., R. 44 W., at cor. secs. 13, 14, 23 and 24, 23 ft N., 20 ft W. and 2.6 ft lower than center of crossroads, on the W. end of a 24 in. steel pipe culvert; a punched hole 1435.7
- 4.2 UE 26 C; 1.4 mi S. of tablet along gravel rd., T. 92 N., R. 44 W., at quarter cor. between secs. 23 and 24, center of rd. at private T-rd. W. to farmhouse 1390.1
- 4.7 UE 26 D; 1.9 mi S. of tablet along gravel rd., T. 92 N., R. 44 W., cor. secs. 23, 24, 25 and 26, 16 ft N., 32 ft W. and 2.2 ft lower than center of crossroads; on the N. end of a 24 in. steel pipe culvert, a punched hole 1409.5
- 5.4 UE 26 E; 2.5 mi S. of tablet along gravel rd., T. 92 N., R. 44 W., near quarter cor. between secs. 25 and 26, in center of wooden bridge over creek; a copper nail and washer (6.3 ft above bottom of drain) 1381.93

MERRILL QUAD. - 209

- 5.8 Reference mark, 313 ft N. of tablet, 34 ft S. and 18 ft W. from center of crossroads, on the W. end of a 24 in. steel pipe culvert; punched hole 1425.59
- 5.8 Remsen, 4.5 mi S. and 1.5 mi W. of, T. 92 N., R. 44 W., 347 ft S., 32 ft W. and 7.8 ft higher than center of crossroads, at approx. cor. of secs. 25, 26, 35 and 36; 311 ft S. from cor. of fences, (S.-W.) 1 ft S. and 4 ft E. of power pole, 2 ft E. of fence line; in a concrete post; a standard tablet stamped "27 WHV 1957, 1434" 1433.812

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REMSEN QUADRANGLE
231 - IOWA

FEET

LINE 9

W. H. Veatch, 1957; Book CV-864

REMSEN QUAD. - 231

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|-----|--|----------|
| 0.0 | "REMSEN 1934" (Described in Line 8) | 1330.089 |
| 0.3 | UE 1324.3; 0.3 mi W. along RR. from "REMSEN" top of S. rail at center of N.-S. sec. line rd. crossing tracks | 1324.3 |

LE MARS QUAD. - 232

- | | | |
|-----|---|----------|
| 0.8 | UE 1308.2; 0.3 mi W. along RR., thence 0.5 mi N. along gravel rd. from disk, Tps. 92 and 93 N., Rs. 43 and 44 W., at cor. secs. 1, 6, 31 and 36; 19 ft S., 28 ft E. and 2.8 ft lower than center of crossroads; on the S. end of 24 in. steel pipe culvert; punched hole | 1308.2 |
| 1.4 | UE 1339.8; Remsen, 0.5 mi N. and 0.8 mi W. of, from depot, Tps. 92 and 93 N., R. 44 W., at quarter cor. between secs. 1 and 36; center of rd. at T-rd. S. | 1339.8 |
| 1.9 | UE 1330.0; Remsen, 0.5 mi N. and 1.3 mi W. from depot, Tps. 92 and 93 N., R. 44 W., at cor. secs. 1, 2, 35 and 36, 36 ft S., 26 ft W. and 4.4 ft lower than center of rd. at T-rd. N., a rail spike in S. side of power pole projecting 1 ft above ground | 1330.03 |
| 2.4 | UE 1310.2; Remsen, 1.0 mi N. and 1.5 mi W. from, T. 93 N., R. 44 W., near quarter cor. between secs. 35 and 36, at center of small wooden bridge over creek, (5.5 ft above water level) | 1310.2 |
| 2.9 | Reference mark, 248 ft SW. of tablet, 18 ft S., 70 ft W. and center of rd. at crossroads, on the S. end of a 24 in. steel pipe culvert; a punched hole | 1374.78 |
| 2.9 | Remsen, 1.5 mi N. and 1.5 mi W. from, T. 93 N., R. 44 W., 206 ft N., 32 ft E. and 10.7 ft higher than center of crossroads, at approx. cor. of secs. 25, 26, 35 and 36, 104 ft NW. from NW. cor. of schoolhouse, 21 ft N. of telephone pole. 1 ft S. of fence cor., at angle in fence N. and SE., in a concrete post; a standard tablet stamped "19 WHV 1957 1388" | 1388.393 |
| 3.4 | UE 19 A; 0.5 mi N. of tablet along gravel rd., T. 93 N., R. 44 W., at quarter cor. between secs. 25 and 26, center of rd. opposite cross fences | 1402.7 |
| 3.9 | UE 19 B; 1.0 mi N. of tablet; along gravel rd., T. 93 N., R. 44 W., cor. secs. 23, 24 and 26, 24 ft S., 17 ft E. and 1.3 ft lower than center of crossroads, on the W. end of a 24 in. steel pipe culvert; punched hole | 1401.5 |
| 4.4 | UE 19 C; 1.5 mi N. of tablet along gravel rd., T. 93 N., R. 44 W., at quarter cor. between secs. 23 and 24, center of rd. opposite cross fences | 1436.0 |
| 4.9 | UE 19 D; 2.0 mi N. of tablet, along gravel rd., T. 93 N., R. 44 W., at cor. secs. 13 and 14, 23 and 24, 27 ft S., 16 ft E. and 1.7 ft lower than center of crossroads, on the E. end of a 24 in. steel pipe culvert, punched hole | 1405.2 |
| 5.4 | UE 19 E; 2.5 mi N. of tablet; T. 93 N., R. 44 W., quarter cor. between secs. 13 and 14, center of rd. at cross fences | 1393.7 |
| 5.9 | Reference mark, 357 ft S. of tablet, 34 ft N., 26 ft W. and 3.1 ft lower than center of crossroads, on the E. side of power pole; a rail spike projecting 2 in. above ground | 1369.08 |
| 6.0 | Remsen, 4.5 mi N. and 1.5 mi W. from the depot, 7.0 mi S. and 0.5 mi E. from Alton, T. 93 N., R. 44 W., 391 ft N., 34 ft W. and 20.5 ft lower than center of crossroads, at approx. cor. secs. 11, 12, 13 and 14; 0.25 mi S. of wooden bridge over Willow Creek, 2 ft N. of power pole, 1 ft E. of fence line, in a concrete post; standard tablet stamped "20 WHV 1957 1354" | 1353.821 |

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REMSEN QUADRANGLE
231 - IOWA

FEET

LINE 9 (Cont'd)

LE MARS QUAD. - 232

6.3	UE 20 A; 0.25 mi N. of tablet along gravel rd., center of wooden bridge over Willow Creek, (6.3 ft above water level), copper nail and washer	1315.01
7.0	UE 20 B; 1.0 mi N. of tablet; along gravel rd., T. 93 N., R. 44 W., cor. secs. 1, 2, 11 and 12, 36 ft N., 35 ft W. and 2.8 ft lower than center of crossroads; a rail spike in W. side of power pole, projecting 6 in. above ground	1304.99
7.5	UE 20 C; 1.7 mi N. of tablet; along gravel rd., T. 93 N., R. 44 W., about 0.2 mi N. from quarter cor. between secs. 1 and 2, center of wooden bridge over creek, (3.2 ft above water level); a copper nail and washer	1311.51
8.0	UE 20 D; 2.0 mi N. of tablet along gravel rd., at the Plymouth and Sioux Co. line, Tps. 93 and 94 N., R. 44 W., cor. secs. 1, 2, 35 and 36; 39 ft S., 16 ft W. and 1.5 ft lower than center of crossroads, on the W. end of a 24 in. steel pipe culvert; a punched hole	1325.0
8.5	UE 20 E; 2.5 mi N. of tablet along gravel rd., T. 94 N., R. 44 W., quarter cor. between secs. 35 and 36; center of rd. opposite cross fences	1355.8
9.0	Reference mark, 212 ft S. of tablet along gravel rd., T. 94 N., R. 44 W., cor. secs. 25, 26, 35 and 36, 14 ft N., 28 ft E. and 0.7 ft lower than center of crossroads, on the N. end of a 24 in. steel pipe culvert; a punched hole	1374.0
9.0	Ramsen, 7.5 mi N. and 1.5 mi W. from the depot, 4.0 mi S. and 0.5 mi E. from Alton, T. 94 N., R. 44 W., 1.0 mi N. of the Plymouth and Sioux co. line, 226 ft N. 31 ft E. and 5.8 ft higher than center of crossroads, at approx. cor. secs. 25, 26, 35 and 36, 3 ft N. of telephone pole, 1 ft W. of fence line, in a concrete post; standard tablet stamped "21 WHV 1957 1380"	1380.469
9.5	UE 21 A; 0.5 mi N. of tablet along gravel rd., T. 94 N., R. 44 W., at quarter cor. between secs. 25 and 26, center of rd. opposite cross fences	1396.1
10.0	UE 21 B; 1.0 mi N. of tablet along gravel rd., T. 94 N., R. 44 W., at cor. secs. 23, 24, 25 and 26, 31 ft S., 14 ft E. and 0.3 ft higher than center of crossroads, on the E. end of a 24 in. steel pipe culvert; a punched hole	1353.1
10.5	UE 21 C; 1.5 mi N. of tablet along gravel rd., T. 94 N., R. 44 W., quarter cor. between secs. 23 and 24, center of rd. opposite cross fences	1354.7
11.0	UE 21 D; 2.0 mi N. of tablet; along gravel rd., T. 94 N., R. 44 W., cor. secs. 13, 14, 23 and 24, 33 ft N., 36 ft W. and 2.1 ft higher than center of crossroads; a rail spike in W. side of power pole projecting 6 in. above ground	1381.88
11.5	UE 21 E; 2.5 mi N. of tablet along gravel rd., T. 94 N., R. 44 W., quarter cor. secs. 13 and 14, center of rd. opposite cross fences	1364.4
11.9	Reference mark, 161 ft SW. of tablet, 14 ft N., 27 ft W. from center of crossroads, on N. end of a 24 in. steel pipe culvert; a punched hole	1336.2
12.0	Alton, 1.0 mi S. and 0.5 mi E. of, T. 94 N., R. 44 W., 166 ft N., 28 ft E. and 6 ft lower than center of T-rd. E. at approx. cor. secs. 11, 12, 13 and 14, 0.7 mi S. of crossing of the Chicago & Northwestern RR. with N.-S. sec. line rd., 15 ft W. of a light pole on a raised hump in the center of rd. ditch, in a concrete post; standard tablet stamped "22 WHV 1957 1331 ft"	1330.672
12.7	UE 22 A; 0.7 mi N. of tablet along gravel rd., T. 94 N., R. 44 W., near quarter cor. between secs. 11 and 12, top of S. rail at center of N.-S. sec. line rd. crossing the C. & N.W. RR.	1313.7

FK

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REMSSEN QUADRANGLE
231 - IOWA

FEET

LINE 9 (Cont'd)

LE MARS QUAD. - 232

13.5 Alton at , 400 yards SW. of the Soo Line RR., formerly (C. St. P. M. & O RR) from the station at; 111 yards SW. of the crossing of State Hwy. 10, 73 ft S. of the switch at the NE. end of the sidetrack, 77.7 ft SE. of the SE. rail of the main track, 60.3 ft SE. of the SE. rail of the sidetrack, 19.5 ft NW. of the right-of-way fence, and in line with a row of poles; a USC&GS standard disk stamped "A 16 1934" and set in the top of a concrete post projecting 5 in. above ground 1305.614