

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

Final Adjustment of 1967

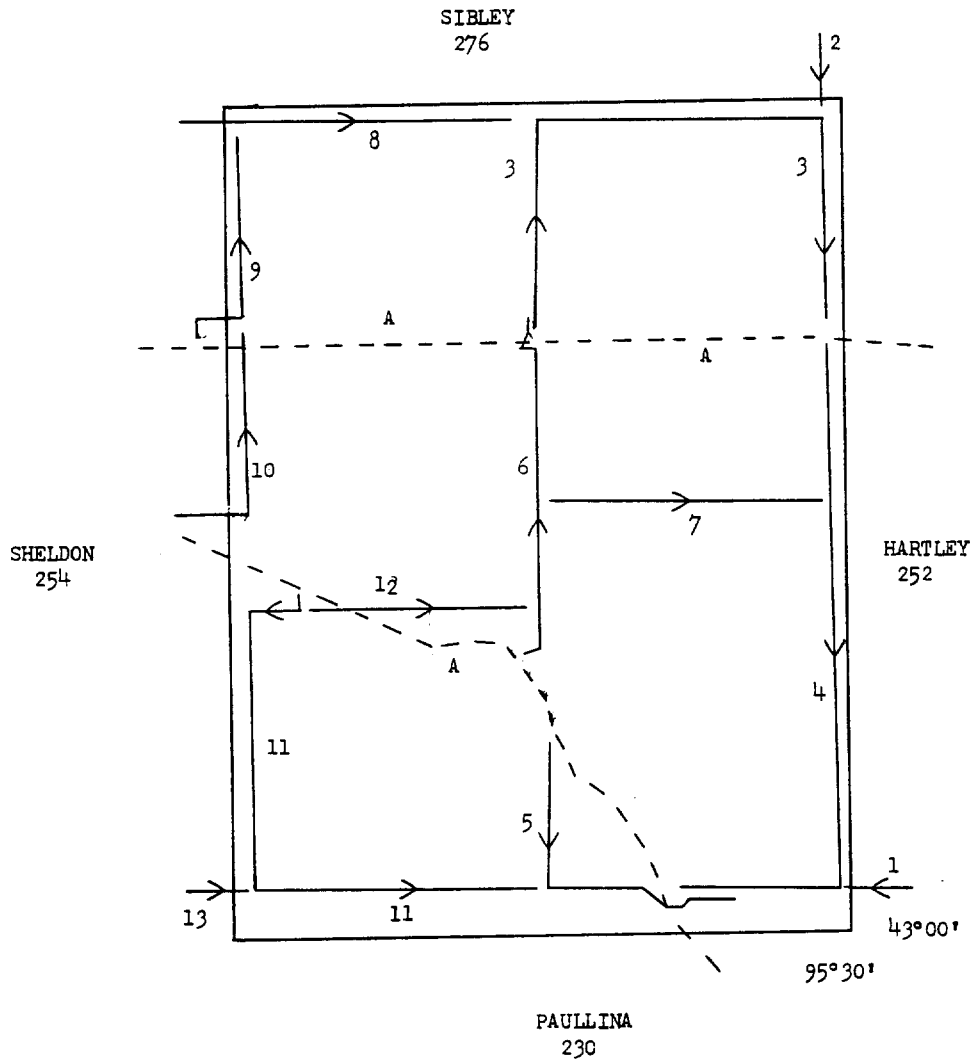
O'Brien County

Edition of 12/13/67

PR: EBF/MP/ph

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PRIMGHAR QUADRANGLE
253 - IOWA
N4300-W9530/15
DIAGRAM NK 15-1
FAIRMONT, MINN., IOWA



USC&GS LEVELING

A. Quadrangle No. 430953
Based on Supplementary Adjustment of 1937

253 A

LINE 1

FEET

WEST AT SOUTHEAST CORNER OF QUADRANGLE (D. W. Bennett, 1967; Book CV-2220)

HARTLEY QUAD. - 252

- 1 22 15.1 Sutherland, 2.5 mi N., 3.0 mi E. of; Royal, 3.75 mi S. of, 8.25 mi W. of; T. 95 N., R. 39 W., near cor. secs. 27, 28, 33 and 34; at an abandoned schoolhouse; 58 ft S. and 198 ft W. of crossroads, 88 ft NW. of NW. cor. of school, 27 ft S. of a NE. fence cor., 21 ft N. of a 24 in. maple, 6 ft S. of a witness sign, standard tablet set in concrete post projecting 2 in., stamped "43 DWB 1967 1420", painted "EM 43" 1419.947
- 23 16.1 UE 43 A, 1.0 mi W. of tablet, T. 95 N., R. 39 W., near cor. secs. 28, 29, 32 and 33; 60 ft S. and 33 ft W. of crossroads, chiseled square on 18 in. concrete pipe culvert under field entrance W., painted "UE 43 A" 1444.89
- 24 17.1 UE 43 B, 2.0 mi W. of tablet, T. 95 N., R. 39 W., near cor. secs. 29, 30, 31 and 32; an auto valve embedded at center N.-S. asphalt rd. (O'Brien "X") and E.-W. gravel rd., painted "UE 43 B" 1470.26

PRIMGHAR QUAD. - 253

- 25 18.0 Gaza, 0.5 mi S. and 3.5 mi E. of; T. 95 N., R. 39 and 40 W., cor. secs. 25, 30, 31 and 36; 23 ft S. and 58 ft W. and 2.9 ft lower than crossroads; 2 ft NW. of power pole and projecting 2 in. above ground; a standard tablet in top of a concrete post, stamped "1461 9 LMT 1963", painted "EM 1460.6" 1460.525

LINE 2

SOUTH AT NORTHEAST CORNER OF QUADRANGLE (D. W. Bennett, 1967; Book CV-2220)

SIBLEY QUAD. - 276

- 2 36 13.0 May City, 3.5 mi S., 1.5 mi W. of; Melvin, 1.0 mi S., 4.5 mi E. of; S. of tablet, T. 98 N., R. 39 and 40 W., near cor. secs. 25, 30, 31 and 36; at a high pressure crossing, 318 ft S. and 31 ft W. of crossroads, 37 ft N. of T-fence W., 16 ft S. of the sign marking the center of the pipeline crossing, a standard tablet set in concrete post, 1 ft E. of a fence projecting 3 in., stamped "55 DWB 1967 1496", painted "EM 55" 1496.298
- 37 13.9 UE 55 A, 0.9 mi S. of tablet, T. 97 and 98 N., R. 39 and 40 W., near cor. secs. 1, 6, 31 and 36; 36 ft S. and 24 ft E. of crossroads, chiseled square on 24 in. concrete pipe culvert, painted "UE 55 A" 1496.99

PRIMGHAR QUAD. - 253

- 38 14.5 Hartley, about 5.0 mi N. and 2.0 mi W. of; about 0.35 mi N. of a crossroads and cor. of secs. 1, 6, 7 and 12, T. 97 N., R. 39 and 40 W.; 823 ft S. of an E.-W. fence; 38 ft E. of center of rd.; 57 ft N.-NW. of center of concrete base of a metal corn crib; 15 ft NW. of NW. cor. of a wooden corn crib; 15 ft S. of center of turnout to field E.; 1.5 ft W. of S. gate post; in concrete post projecting 3 in., a standard tablet stamped "ET 5 JS 1963" 1496.603
- 39 14.8 Sanborn, 4.5 mi N. and 7.5 mi E. of; 0.7 mi N. and 2.0 mi E. of Plessis, T. 97 N., R. 39 and 40 W., cor. secs. 1, 6, 7 and 12; 137 ft N. and 40 ft W. and 3.3 ft lower than crossroad; 1 ft E. of N.-S. fence and projecting 2 in. above ground; a standard tablet in top of a concrete post stamped "1489 4 LMT 1963", painted "EM 1489.0" 1489.140

LINE 3

FEET

NORTH THROUGH CENTER NORTH QUARTER OF QUADRANGLE THEN EAST ALONG EAST HALF NORTH BORDER THEN SOUTH ALONG NORTH QUARTER EAST BORDER (L. M. Tackett, 1963; Book CV-1568)

PRIMGHAR QUAD. - 253

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| 0.0 Sanborn, 1.0 mi E. along the Chicago, Milwaukee, St. Paul and Pacific RR. from; back of MP 242 and a sec. post, 45 ft S. of the S. rail, and 1.5 ft N. of the right-of-way fence; a USC&GS standard disk stamped "Q 17 1934" and set in the top of a concrete post projecting 6 in. above ground | 1554.216 |
| 0.5 UE Q 17 A, T. 97 N., R. 40 and 41 W., near quarter cor. between secs. 31 and 36; a painted square on top of N. rail at center of Hwy. 59 | 1556.95 |
| 0.9 UE Q 17 B, T. 97 N., R. 40 and 41 W., near cor. secs. 25, 30, 31 and 36; a copper nail and washer center of Hwy. 18 at Hwy. 59 S. and gravel rd. N. | 1557.32 |
| 1.9 Sanborn, 1.5 mi N. and 1.5 mi E. of; T. 97 N., R. 40 and 41 W., at cor. secs. 19, 24, 25 and 30, 252 ft N. and 36 ft E. and 3.1 ft lower than crossroads; and 1 ft SW. of power pole; a standard tablet in top of a concrete post; projecting 1 in. above ground; stamped "1538 1 LMT 1963" | 1538.266 |
| 1.9 Reference Mark, 17 ft N. and 31 ft W. of crossroads; a chiseled square; on N. end of concrete tile culvert | 1538.42 |
| 2.9 UE 1 LMT A, T. 97 N., R. 40 and 41 W., at cor. secs. 13, 18, 19 and 24; 191 ft S. and 17 ft E. and 4.5 ft lower than crossroads; a chiseled square on E. end of concrete tile culvert | 1537.73 |
| 3.9 UE 1 LMT B, T. 97 N., R. 40 and 41 W., at cor. secs. 7, 12, 13 and 18; 17 ft N. and 32 ft W. and 3.3 ft lower than crossroads; a chiseled square on N. end of concrete tile culvert | 1554.10 |
| 4.9 Sanborn, 4.5 mi N. and 1.5 mi E. of; T. 97 N., R. 40 and 41 W., at cor. secs. 1, 6, 7 and 12; 154 ft S. and 25 ft W. and 2.4 ft lower than crossroads; and about 1 ft E. of N.-S. fence projecting 1 in. above ground; a standard tablet in top of concrete post, stamped "1558 2 LMT 1963" | 1558.456 |
| Reference Mark, 34 ft S. and 14 ft E. of crossroads; a chiseled square on E. end of concrete tile culvert | 1557.63 |
| 5.9 UE 2 LMT A, T. 97 N., R. 40 W., at cor. secs. 5, 6, 7 and 8; 42 ft N. and 27 ft E. and 1.6 ft lower than crossroads; a chiseled square in center of E. headwall of culvert; 3 ft above drain | 1566.37 |
| 6.9 UE 2 LMT B, T. 97 N., R. 40 W., cor. secs. 4, 5, 8 and 9; 29 ft S. and 39 ft W. and 1.2 ft lower than crossroads; a rail spike in N. side of telephone pole | 1560.50 |
| 7.9 Sanborn, 4.5 mi N. and 4.5 mi E. of; 0.7 mi N. and 1.0 mi W. of Plessis, T. 97 N., R. 40 W., cor. secs. 3, 4, 9 and 10; 31 ft N., 81 ft W. and 1.1 ft lower than crossroads; projecting 2 in. above ground; a standard tablet in top of a concrete post; stamped "1542 3 LMT 1963" | 1542.108 |
| 7.9 Reference Mark, 33 ft N. and 31 ft W. of crossroads; a rail spike, in S. side of power brace pole | 1542.05 |
| 8.9 UE 3 LMT A; T. 97 N., R. 40 W., at cor. secs. 2, 3, 10 and 11; 34 ft S., 35 ft W. and 2.1 ft lower than crossroads; a rail spike in N. side of telephone pole | 1497.78 |
| 9.9 UE 3 LMT B; T. 97 N., R. 40 W., at cor. secs. 1, 2, 11 and 12; 63 ft N. and 32 ft W. and 2.8 ft lower than crossroads; a chiseled square on S. end of concrete tile culvert (Reported destroyed ELT, 1964) | 1500.36 |

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PRIMGHAR QUADRANGLE
253 - IOWA

LINE 3 (Cont'd)

FEET

PRIMGHAR QUAD. - 253

- 10.9 Sanborn, 4.5 mi N. and 7.5 mi E. of; 0.7 mi N. and 2.0 mi E. of Plessis, T. 97 N., R. 39 and 40 W., cor. secs. 1, 6, 7 and 12; 137 ft N. and 40 ft W. and 3.3 ft lower than crossroad; 1 ft E. of N.-S. fence and projecting 2 in. above ground; a standard tablet in top of a concrete post stamped "1489 4 LMT 1963" 1489.140
- 10.9 Reference Mark, 43 ft S. and 23 ft E. of crossroads; a chiseled square on E. end of concrete tile culvert 1489.40
- 11.9 UE 4 LMT A, T. 97 N., R. 39 and 40 W., at cor. secs. 7, 12, 13 and 18; 34 ft S. and 20 ft E. and 3.0 ft lower than crossroads; a chiseled square on E. end of concrete tile culvert 1473.98
- 13.0 UE 4 LMT B, T. 97 N., R. 39 and 40 W., cor. secs. 13, 18, 19 and 24; 39 ft S. and 21 ft E. and 2.4 ft lower than crossroads; a chiseled square on S. end of concrete tile culvert 1480.12
- 13.9 Hartley, 1.5 mi N. and 2.0 mi W. of; T. 97 N., R. 39 and 40 W., at cor. secs. 19, 24, 25 and 30; 176 ft N. and 31 ft E. and 2.7 ft lower than crossroads; 1 ft W. of N.-S. fence projecting 2 in. above ground, a standard tablet in top of a concrete post; stamped "1476 5 LMT 1963" 1476.287
- 13.9 Reference Mark, 40 ft N. and 31 ft W.; a chiseled square on S. end of concrete tile culvert 1475.80
- 14.9 UE 5 LMT A, T. 97 N., R. 39 and 40 W., cor. secs. 25, 30, 31 and 36; a valve in center of Hwy. 18 at gravel crossroads 1477.12
- 15.3 Hartley, 1.5 mi W. along the C.M. St. P. & P. RR. from the station at; 70 yards NW. of a sec. rd. crossing, 52 yards W. of a right-of-way fence cor., 45.9 ft N. of the N. rail, and 1.2 ft S. of the right-of-way fence; a USC&GS standard disk stamped "U 17 1934" and set in the top of a concrete post projecting 6 in. above ground 1465.322

LINE 4

SOUTH ALONG SOUTH PORTION OF EAST BORDER THENCE WEST (L. M. Tackett, 1963; Book CV-1568)

PRIMGHAR QUAD. - 253

- 0.0 "U 17 1934" (Described in Line 3) 1465.322
- 0.7 UE, 17 A; T. 96 and 97 N., R. 39 and 40 W., cor. secs. 1, 6, 31 and 36; 33 ft S., 20 ft W. and 3.0 ft lower than T-rd. S.; a chiseled square on W. end of a concrete tile culvert 1444.58
- 1.6 UE U 17 B, T. 96 N., R. 39 and 40 W., cor. secs. 1, 6, 7 and 12; 29 ft N. and 16 ft E. and 3.2 ft lower than crossroads; a chiseled square on E. end of concrete tile culvert 1465.80
- 2.6 Hartley, 2.5 mi S. and 2.0 mi W. of; T. 96 N., R. 39 and 40 W., cor. secs. 7, 12, 13 and 18; 212 ft N., 29 ft E. and 2.2 ft lower than crossroads; set flush with the ground and 1 ft W. of power pole, a standard tablet set in top of a concrete post; stamped "1496 6 LMT 1963" 1495.857
- 2.7 Reference Mark, 34 ft S. and 21 ft E. of crossroads; a chiseled square on E. end of concrete tile culvert 1495.73
- 3.6 UE 6 LMT A, T. 96 N., R. 39 and 40 W., cor. secs. 13, 18, 19 and 24; valve in center of blacktop rd. E. and W. and gravel rds. N.-S., 1479.86
- 4.7 UE 6 LMT B, T. 96 N., R. 39 and 40 W., cor. secs. 19, 24, 25 and 30; 42 ft N. and 39 ft E. and 2.6 ft lower than crossroads; a rail spike in W. side of telephone pole 1497.44

LINE 4 (Cont'd)

FEET

PRIMGHAR QUAD. - 253

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| 5.7 Hartley, 5.5 mi S. and 2.0 mi W. of; T. 96 N., R. 39 and 40 W., cor. secs. 25, 30, 31 and 36; 49 ft S. and 41 ft W. and 2.7 ft lower than crossroads and 1 ft E. of N.-S. fence projecting 3 in. above ground; stamped "1512 7 LMT 1963" | 1512.202 |
| 5.7 Reference Mark, 21 ft N. and 39 ft E. of crossroads; a chiseled square on N. end of concrete tile culvert | 1512.66 |
| 6.7 UE 7 LMT A, T. 95 and 96 N., R. 39 and 40 W., at cor. secs. 1, 6, 31 and 36; a valve in center of E.-W. asphalt rd. and a N.-S. gravel rd. | 1506.3 |
| 7.8 UE 7 LMT B, T. 95 N., R. 39 and 40 W., cor. secs. 1, 6, 7 and 12; 41 ft S. and 36 ft W. and 2.0 ft lower than crossroads; a rail spike in S. side of a power pole | 1499.01 |
| 8.8 Hartley, 8.5 mi S. and 2.0 mi W. of; T. 95 N., R. 39 and 40 W., cor. secs. 7, 12, 13 and 18; 33 ft N. and 118 ft W. and 2.3 ft lower than crossroads; 1 ft S. of E.-W. fence projecting 2 in. above ground; stamped "1501 8 LMT 1963" | 1501.049 |
| 8.8 Reference Mark, 17 ft S. and 33 ft E. of crossroads; a chiseled square on S. end of a concrete tile culvert | 1501.18 |
| 9.8 UE 8 LMT A, T. 95 N., R. 39 and 40 W., at cor. secs. 13, 18, 19 and 24; 31 ft N. and 40 ft W. and 1.5 ft lower than crossroads; a rail spike in E. side of fence cor. | 1497.66 |
| 10.9 UE 8 LMT B, T. 95 N., R. 39 and 40 W., at cor. secs. 19, 24, 25 and 30; 35 ft S. and 37 ft W. and 1.8 ft lower than crossroads; a rail spike in E. side of telephone pole | 1491.20 |
| 11.9 "1461 9 LMT 1963" (Described in Line 1) | 1460.585 |
| 11.8 Reference Mark, 20 ft S. and 35 ft W. of the crossroads; a chiseled square on S. end of a concrete tile culvert | 1459.96 |
| 12.8 UE 9 LMT A, T. 95 N., R. 40 W., at cor. secs. 25, 26, 35 and 36; 18 ft N. and 41 ft E. and 1.8 ft lower than crossroads; a chiseled square on N. end of a concrete tile culvert | 1522.58 |
| 13.8 UE 9 LMT B, T. 95 N., R. 40 W., at cor. secs. 26, 27, 34 and 35; 15 ft S. and 32 ft E. and 2.6 ft lower than crossroads; a chiseled square on S. end of a concrete tile culvert | 1514.93 |
| 14.9 UE 9 LMT C, T. 95 N., R. 40 W., at cor. secs. 27, 28, 33 and 34; 330 ft N. and 15 ft W. and 1.5 ft lower than crossroads; also 0.4 ft lower than rd. at culvert and 4.0 ft above drain; a chiseled square in center of W. headwall of culvert | 1490.95 |
| 15.7 Primghar, 7.0 mi S. along the Illinois Central RR. from the station at; 1.6 mi S. of the station at Gaza, 48 yards NW. of a rd. crossing, 32 ft W. of the center of the rd., 42.5 ft NE. of the NE. rail, and 3.1 ft NW. of a cor. fence post; a standard disk stamped "K 26 1934" and set in the top of a concrete post projecting 6 in. above ground; a USC&GS post | 1480.342 |

LINE 5

SOUTH THRU CENTER OF QUADRANGLE THENCE EAST ALONG SOUTH BORDER (L. M. Tackett, 1963; Book CV-1568)

PRIMGHAR QUAD. - 253

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| 0.0 Primghar, 2.4 mi S. along the I. C. RR. from the station at; 185 ft E. of the N. quarter cor. sec. 18, T. 95 N., R. 40 W., at a Co. Rd. crossing, 40 ft S. of the center of the rd., 46.5 ft SW. of the track, and near the right-of-way fence; a USC&GS standard disk stamped "M 26 RESET 1940" and set in the top of a concrete post (This EM was established and its elev. determined 7/40 by Iowa Geodetic Survey) | 1494.281 |
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6
PRIMGHAR QUADRANGLE
253 - IOWA

LINE 5 (Cont'd)

FEET

PRIMGHAR QUAD. - 253

- 0.6 UE M 26 A, T. 95 N., R. 40 and 41 W., at cor. secs. 7, 12, 13 and 18; a chiseled square in center of Hwy. 59 at gravel rd. E. 1469.92
- 1.6 UE M 26 B, T. 95 N., R. 40 and 41 W., cor. secs. 13, 18, 19 and 24; 23 ft N. and 33 ft E. and 0.2 ft lower than crossroads; a chiseled square on N. end of a concrete tile culvert 1460.42
- 2.6 UE M 26 C, T. 95 N., R. 40 and 41 W., at cor. secs. 19, 24, 25 and 30; a chiseled square center of Hwy. 59 and gravel crossroads 1477.46
- 3.6 Primghar, 5.0 mi S. of; T. 95 N., R. 40 and 41 W., at cor. secs. 25, 30, 31 and 36; 118 ft N. and 33 ft E. and 2.3 ft lower than crossroads; also between fence and power pole; a standard tablet in top of a concrete post; stamped "1457 10 LMT 1963" 1457.109
- 3.6 Reference Mark, 21 ft N. and 33 ft E. of crossroads; a chiseled square on N. end of a concrete tile culvert 1457.17
- 4.7 UE 10 LMT A, T. 95 N., R. 40 W., at cor. secs. 29, 30, 31 and 32; 32 ft S. and 20 ft E. and 3.2 ft lower than crossroads; a chiseled square on E. end of concrete tile culvert 1470.98
- 5.7 UE 10 LMT B, T. 95 N., R. 40 W., cor. secs. 28, 29, 32 and 33; 50 ft N. and 15 ft E. and 0.5 ft lower than crossroads; 4.0 ft above drain; a chiseled square; on E. headwall of concrete culvert 1465.68
- 6.7 UE 9 LMT C (Described in Line 4) 1490.95

LINE 6

NORTH THRU CENTER OF QUADRANGLE (L. M. Tackett, 1963; Book CV-1568)

PRIMGHAR QUAD. - 253

- 0.0 Primghar, 0.3 mi NW. along the I.C. RR. from the station at; at a rd. crossing; 45 ft of the center of the rd., 44.2 ft NE. of the NE. rail, and 6.2 ft S. of a cor. fence post; a USC&GS standard disk stamped "P 26 1934" and set in the top of a concrete post projecting 4 in. above ground 1489.856
- 1.3 UE P 26 A, T. 96 N., R. 40 and 41 W., cor. secs. 25, 30, 31 and 36; a chiseled square, center of Hwy. 59 and gravel crossroads 1535.47
- 2.3 UE P 26 B, T. 96 N., R. 40 and 41 W., cor. secs. 19, 24, 25 and 30; 14 ft S. and 32 ft E. and 1.4 ft lower than crossroads; a chiseled square in center of S. headwall of concrete culvert 1494.18
- 3.3 Primghar, 2.3 mi N. of; T. 96 N., R. 40 and 41 W., cor. secs. 18, 19, 13 and 24; 92 ft S. and 27 ft W. and 3.1 ft lower than crossroads; 4 ft N. of telephone pole and 1 ft E. of fence and projecting 2 in. above the ground; a standard tablet in top of a concrete post, stamped "1482 11 LMT 1963" 1482.223
- 3.3 Reference Mark, a chiseled square in center of Hwy. 59 at crossroads 1485.32
- 4.3 UE 11 LMT A, T. 96 N., R. 40 and 41 W., cor. secs. 7, 12, 13 and 18; chiseled square in center of Hwy. 59 and gravel crossroads 1515.60
- 5.3 UE 11 LMT B, T. 96 N., R. 40 and 41 W., cor. secs. 1, 6, 7 and 12; 21 ft N. and 35 ft W. and 1.4 ft lower than crossroads; chiseled square on N. end of a concrete tile culvert 1541.50
- 6.3 UE 11 LMT C, T. 96 and 97 N., R. 40 and 41 W., cor. secs. 1, 6, 31 and 36; chiseled square in center of Hwy. 59 and gravel crossroads 1560.43
- 6.4 UE Q 17 A (Described in Line 3) 1556.95

LINE 7

FEET

EAST THROUGH CENTER EAST HALF OF QUADRANGLE (L. M. Tackett, 1963; Book CV-1568)

PRIMGHAR QUAD. - 253

0.0	"11 LMT 1963" (Described in Line 6)	1482.223
1.0	UE 11 LMT AA, T. 96 N., R. 40 W., cor. secs. 17, 18, 19 and 20; 33 ft S. and 23 ft E. and 2.5 ft lower than crossroads; chiseled square on E. end of a concrete tile culvert	1544.15
2.0	UE 11 LMT BB, T. 96 N., R. 40 W., cor. secs. 16, 17, 20 and 21; a valve driven in center of blacktop rd. at gravel rd. crossing	1551.16
3.0	Primghar, 2.3 mi N. and 3.0 mi E. of; T. 96 N., R. 40 W., at cor. secs. 15, 16, 21 and 22; 90 ft S. and 33 ft E. and 1.6 ft lower than crossroads; 3 ft N. of a telephone pole and 1 ft W. of fence and projecting 2 in. above ground; a standard tablet in top of a concrete post stamped "1543 12 LMT 1963"	1543.343
3.1	Reference Mark, 41 ft N. and 111 ft E. of crossroads; a chiseled square on W. end of a concrete tile culvert	1541.09
4.0	UE 12 LMT A, T. 96 N., R. 40 W., cor. secs. 14, 15, 22 and 23; a valve driven in center of blacktop rd. at gravel crossroads	1507.29
5.1	UE 12 LMT B, T. 96 N., R. 40 W., cor. secs. 13, 14, 23 and 24; 35 ft S. and 25 ft E. and 3.7 ft lower than crossroads; chiseled square on E. end of a concrete tile culvert	1524.40
6.1	"6 LMT A" (Described in Line 4)	1479.86

LINE 8

EAST ALONG WEST PORTION OF NORTH BORDER (L. M. Tackett, 1963; Book CV-1568)

SHELDON QUAD. - 254

3.0	UE 13 LMT A, T. 97 N., R. 42 W., cor. secs. 1, 2, 11 and 12; 12 ft N. and 43 ft W. and 0.1 ft lower than crossroads; a chiseled square in center of N. headwall of culvert	1439.76
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PRIMGHAR QUAD. - 253

4.1	UE 13 LMT B, T. 97 N., R. 41 and 42 W., cor. secs. 1, 6, 7 and 12; 13 ft S. and 135 ft E. and 0.1 ft higher than crossroads; a chiseled square; in center of S. headwall of a concrete culvert	1449.12
4.5	Ritter, 4.5 mi E. of, on top of ridge; T. 97 N., R. 41 W., 0.4 mi E. of cor. secs. 1, 6, 7 and 12; 31 ft S. and 164 ft E. and 0.4 ft higher than rd. at field entrance N.; also 4 ft NW. of power pole and 2 ft N. of fence projecting 3 in. above the ground; a standard tablet in top of a concrete post; stamped "1481 14 LMT 1963"	1481.129
5.1	UE 14 LMT A, T. 97 N., R. 41 W., at cor. secs. 5, 6, 7 and 8; 15 ft S. and 34 ft E. and 2.7 ft lower than crossroads; a chiseled square in center of S. headwall of concrete culvert	1461.13
6.1	UE 14 LMT B, T. 97 N., R. 41 W., cor. secs. 4, 5, 8 and 9; 33 ft N. and 29 ft E. and 3.3 ft lower than crossroads; a chiseled square on S. end of concrete tile culvert;	1465.51
7.1	Ritter, 7.0 mi E. of; T. 97 N., R. 41 W., cor. secs. 3, 4, 9 and 10; 43 ft N. and 109 ft E. and 6.6 ft lower than crossroads; 1 ft S. of fence and projecting 2 in. above the ground; a standard tablet in top of a concrete post; stamped "1475 15 LMT 1963"	1475.045

LINE 8 (Cont'd)FEETPRIMGHAR QUAD. - 253

- 7.1 Reference Mark, 25 ft S., 117 ft E. of crossroads; a chiseled square on S. end of a concrete tile culvert 1476.88
- 8.1 UE 15 LMT A, T. 97 N., R. 41 W., cor. secs. 2, 3, 10 and 11; 21 ft N. and 31 ft E. and 1.2 ft lower than crossroads; a chiseled square on N. end of a concrete tile culvert 1494.58
- 9.1 UE 15 LMT B; T. 97 N., R. 41 W., cor. secs. 1, 2, 11 and 12; chiseled square in center of Hwy. 59 at gravel crossroads 1535.77
- 10.2 "2 LMT 1963" (Described in Line 3) 1558.456

LINE 9

NORTH ALONG NORTH PORTION OF WEST BORDER (L. M. Tackett, 1963; Book CV-1568)

SHELDON QUAD. - 254

- 0.0 Sheldon, 4.7 mi E. along the C. M. St. P. & P. RR. from the station at; 0.2 mi E. of the elevator at Evander, 65 ft SW. of a co. rd. crossing, 45.1 ft S. of the S. rail, 9 ft W. of a right-of-way fence cor., and 1.6 ft N. of the fence; a USC&GS standard disk stamped "L 17 1934" and set in the top of a concrete post projecting 6 in. above ground 1416.225
- 0.7 UE L 17 A, T. 97 N., R. 42 W., cor. secs. 25, 26, 35 and 36; 100 ft S., 35 ft W., 1.6 ft lower than crossroads; a bolt in top of a concrete right-of-way marker 1430.64
- 1.7 UE L 17 B, T. 97 N., R. 41 and 42 W., at cor. secs. 25, 30, 31 and 36; a valve driven in center of Hwy. 18 at crossroads 1439.99
- 2.7 UE L 17 C, T. 97 N., R. 41 and 42 W., in cor. secs. 19, 24, 25 and 30; 33 ft N. and 19 ft W. and 2.6 ft lower than crossroads; a chiseled square on N. end of a concrete tile culvert 1476.31
- 3.7 Sheldon, 2.0 mi N. and 4.5 mi E. of; T. 97 N., R. 41 and 42 W., cor. secs. 13, 18, 19 and 24; 269 ft S. and 33 ft W. and 2.6 ft lower than crossroads; 3 ft S. of power pole and 1 ft E. of fence and projecting 2 in. above the ground; a standard tablet in top of a concrete post; stamped "1486 16 LMT 1963" 1485.967
- 3.7 Reference Mark, 59 ft N. and 28 ft W. of crossroads; a chiseled square on N. end of a concrete tile culvert 1484.46
- 4.7 UE 16 LMT A, T. 97 N., R. 41 and 42 W., cor. secs. 7, 12, 13 and 18; 16 ft S. and 35 ft E. and 2.2 ft lower than T-rd. E.; a chiseled square; on S. end of a concrete tile culvert 1490.54
- 5.8 "UE 13 LMT B" (Described in Line 8) 1449.12

LINE 10

NORTH ALONG CENTER PORTION OF WEST BORDER (L. M. Tackett, 1963; Book CV-1568)

SHELDON QUAD. - 254

- 0.0 Sheldon, 5.0 mi SE. along the I.C. RR. from the station at; 2.0 mi NW. of the station at Archer, at a rd. crossing, 30 ft E. of the center of the rd., 46.3 ft NE. of the NE. rail, and 4.8 ft SE. of a cor. fence post; a USC&GS standard disk stamped "T 26 1934" and set in top of a concrete post projecting 4 in. 1430.266

LINE 10 (Cont'd)

FEET

SHELDON QUAD. - 254

- 1.1 UE T. 26 A, T. 96 N., R. 42 W., at cor. secs. 13, 14, 23 and 24; 17 ft S. and 32 ft W. and 2.8 ft lower than crossroads; a chiseled square on S. end of a concrete tile culvert 1477.20

PRIMGHAR QUAD. - 253

- 2.1 UE T 26 B, T. 96 N., R. 41 and 42 W., at cor. secs. 13, 18, 19 and 24; 28 ft S. and 62 ft E. and 3.7 ft lower than crossroads; a chiseled square, on E. end of a concrete tile culvert 1450.34
- 3.1 Reference Mark, 27 ft S. and 26 ft W.; a chiseled square, in center of S. headwall of concrete culvert 1438.31
- 3.1 Archer, 1.8 mi N. of; T. 96 N., R. 41 and 42 W., at cor. secs. 7, 12, 13 and 18; 109 ft N. and 49 ft W. and 6.8 ft lower than crossroads; 3 ft NE. of power pole and 1 ft E. of fence and set flush with the ground; a standard tablet in top of a concrete post; stamped "1433 17 LMT 1963" 1432.556
- 4.1 UE 17 LMT A, T. 96 N., R. 41 and 42 W., at cor. secs. 1, 6, 7 and 12; 29 ft N. and 28 ft E. and 4.1 ft lower than crossroads; a chiseled square on E. end of a concrete tile culvert 1422.60
- 5.2 UE 17 LMT B, T. 96 N., and 97 N, R. 41 and 42 W., at cor. secs. 1, 6, 31 and 36; 31 ft N. and 49 ft E. and 5.9 ft lower than crossroads; a rail spike in W. side of power pole 1416.69
- 6.2 "UE L 17 B" (Described in Line 9) 1439.99

LINE 11

SOUTH ALONG SOUTH PORTION OF WEST BORDER THENCE EAST ALONG SOUTH BORDER (L. M. Tackett, 1963; Book CV-1568)

PRIMGHAR QUAD. - 253

- 0.0 Primghar, 4.9 mi NW. along the I.C. RR. from the station at; 1.4 mi SE. of the station in Archer, 5 poles SE. of MP CK 30, 125 yards SE. of a rd. crossing, 43.5 ft SW. of the SW. rail, and 3.5 ft NE. of a fence; a USC&GS standard disk stamped "R 26 1934" and set in the top of a concrete post projecting 4 in. above ground 1423.517
- 0.6 UE R 26 A, T. 96 N., R. 41 W., at cor. secs. 29, 30, 31 and 32; 34 ft N. and 23 ft W. and 2.4 ft lower than crossroads; a chiseled square on W. end of a concrete tile culvert 1433.96
- 1.6 UE R 26 B, T. 96 N., R. 41 and 42 W., cor. secs. 25, 30, 31 and 36; 24 ft S. and 39 ft W. and 4.6 ft lower than crossroads; a chiseled square on S. end of a concrete tile culvert 1452.11
- 2.6 UE R 26 C, T. 95 and 96 N., R. 41 and 42 W., at cor. secs. 31, 36, 1 and 6; 23 ft S. and 132 ft E. and 3.6 ft lower than crossroads; a chiseled square on S. end of a concrete tile culvert 1439.35
- 3.6 UE R 26 D, T. 95 N., R. 41 and 42 W., cor. secs. 1, 6, 7 and 12; 20 ft S. and 34 ft W. and 1.3 ft lower than crossroads; a chiseled square on S. end of concrete tube culvert 1416.53
- 4.1 Primghar, 1.5 mi S. and 6.0 mi W. of; T. 95 N., R. 41 and 42 W., at quarter cor. between secs. 7 and 12; 3 ft S. and 35 ft W. and 1.9 ft higher than rd. at cross fences; 3 ft E. of N.-S. fence projecting 2 in. above the ground; a standard tablet in top of a concrete post; stamped "1417 18 LMT 1963" 1411.432
- 4.6 UE 18 LMT A, T. 95 N., R. 41 and 42 W., at cor. secs. 7, 12, 13 and 18; 22 ft S. and 31 ft W. and 1.5 ft lower than crossroads; a chiseled square on S. end of a concrete tile culvert 1404.10

LINE 11 (Cont'd)

FEET

PRIMGHAR QUAD. - 253

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| 5.6 | UE 18 LMT B, T. 95 N., R. 41 and 42 W., at cor. secs. 13, 18, 19 and 24; 17 ft S. and 100 ft W. and 1.9 ft lower than crossroads; a chiseled square on S. end of a concrete tile culvert | 1415.64 |
| 6.6 | UE 18 LMT C, T. 95 N., R. 41 and 42 W., cor. secs. 19, 24, 25 and 30; 189 ft N. and 13 ft W. and 1.5 ft lower than crossroads; also 6 ft above drain; a chiseled square in center of W. headwall of culvert | 1401.49 |
| 7.6 | UE 18 LMT D, T. 95 N., R. 41 and 42 W., at 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 |
| 8.6 | UE 18 LMT E, T. 95 N., R. 41 W., at cor. secs. 29, 30, 31 and 32; 37 ft N. and 50 ft W. and 1.9 ft lower than T-rd. W.; a chiseled square on E. end of a concrete tile culvert | 1389.01 |
| 9.6 | UE 18 LMT F, T. 95 N., R. 41 W., cor. secs. 28, 29, 32 and 33; 21 ft S. and 30 ft E. and 1.8 ft lower than T-rd. E.; a chiseled square on S. end of a concrete tile culvert | 1373.21 |
| 11.0 | Primghar, 5.0 mi S. and 2.6 mi W. of; T. 95 N., R. 41 W., 0.4 mi E. of cor. secs. 27, 28, 33 and 34; 32 ft S. and 90 ft W. and 2.1 ft lower than rd. at field entrance S., 2 ft N. of fence projecting 2 in. above the ground; a standard tablet in top of a concrete post; stamped "1420 19 LMT 1963" | 1420.460 |
| 10.6 | Reference Mark, 40 ft N. and 41 ft W. of crossroads; a chiseled square on S. end of a concrete tile culvert | 1398.77 |
| 11.6 | UE 19 LMT A, T. 95 N., R. 41 W., cor. secs. 26, 27, 34 and 35; 32 ft S. and 40 ft W. and 2.8 ft lower than crossroads; a rail spike in N. of power pole | 1428.11 |
| 12.6 | UE 19 LMT B, T. 95 N., R. 41 W., cor. secs. 25, 26, 35 and 36; 44 ft N. and 31 ft E. and same elev. as crossroads; a rail spike in S. side of fence cor. post | 1421.52 |
| 13.6 | "10 LMT 1963" (Described in Line 5) | 1457.109 |

LINE 12

EAST THROUGH CENTER WEST HALF OF QUADRANGLE (L. M. Tackett, 1963; Book CV-1568)

PRIMGHAR QUAD. - 253

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|-----|---|----------|
| 0.0 | UE R 26 A (Described in Line 11) | 1433.96 |
| 1.0 | UE R 26 AA, T. 96 N., R. 41 W., at cor. secs. 28, 29, 32 and 33; 19 ft S. and 34 ft W. and 2.6 ft lower than crossroads; a chiseled square on S. end of a concrete tile culvert | 1419.61 |
| 2.0 | Primghar, 0.5 mi N. and 2.5 mi W. of; T. 96 N., R. 41 W., at cor. secs. 27, 28, 33 and 34; 35 ft N. and 52 ft W. and 2.2 ft lower than crossroads; inside fence cor., a standard tablet in top of a concrete post; stamped "1422 20 LMT 1963" | 1421.779 |
| 2.0 | Reference Mark, 27 ft N. and 41 ft E. of crossroads; a chiseled square on W. end of a concrete tile culvert | 1422.39 |
| 3.0 | UE 20 LMT A, T. 96 N., R. 41 W., cor. secs. 26, 27, 34 and 35; 15 ft S. and 25 ft E. and 0.2 ft lower than crossroads; a chiseled square in center of S. headwall of concrete culvert; about 4 ft above the drain | 1428.14 |
| 4.0 | UE 20 LMT B, T. 96 N., R. 41 W., cor. secs. 25, 26, 35 and 36; 16 ft N. and 99 ft E. and 0.7 ft lower than crossroads; a chiseled square on N. end of a concrete tile culvert | 1467.81 |

LINE 12 (Cont'd)

FEET

PRIMGHAR QUAD. - 253

5.0 UE P 26 A (Described in Line 6) 1535.47

LINE 13

SOUTHWEST CORNER OF QUADRANGLE (L. M. Tackett, 1963; Book CV-1568)

SHELDON QUAD. - 254

17.2 UE 25 LMT B, T. 95 N., R. 42 W., at 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

PRIMGHAR 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; also 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" (Described in Line 11). 1400.34