

THIRD-ORDER LEVELS
SEA LEVEL DATUM OF 1929

Final Adjustment of 1972

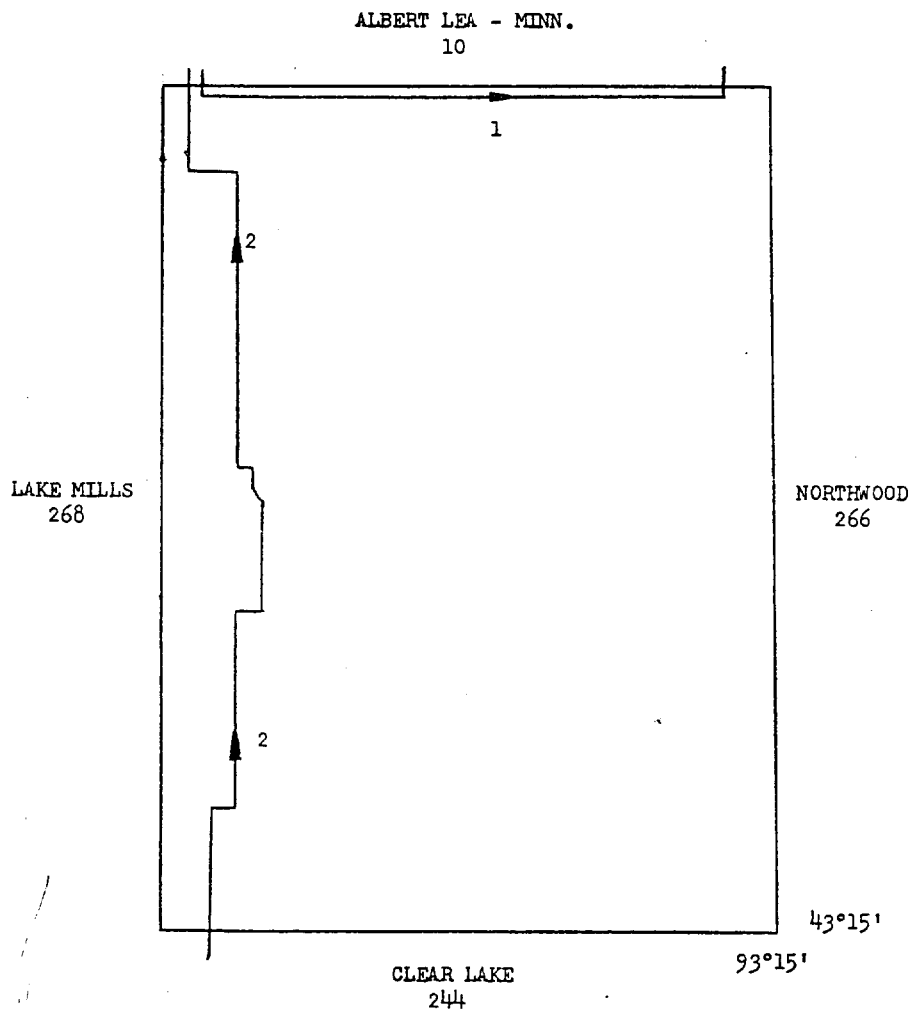
Cerro, Gordo and Worth
Counties

Edition of: 1-9-73

PR: AKH/cb

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HANLONTOWN QUADRANGLE
267 - IOWA
N4315-W9345/15
DIAGRAM NK 15- 2
MASON CITY



267-B

LINE 1

FEET

R.D. Searcy, 1953; Book CV-566

ALBERT LEA QUAD. 10 - MINN.

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|---|----------|
| 2.7 Emmons, 0.5 mi N. of, near quarter cor. between secs. 32 and 33, T. 101 N., R. 22 W., 279 ft S. and 30 ft E. from center of rd. at fence line E., 5 ft SE. of power pole, in concrete post; standard tablet stamped "TT 82 WM 1952" | 1309.985 |
| 2.7 Reference mark, 80 ft NW. of tablet, 30 ft W. of center of rd., on top of an embedded boulder; chiseled square | 1312.15 |

HANLONTOWN QUAD. - 267

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| 5.0 Emmons, 1.6 mi E. of, on the Minnesota-Iowa State line, 0.2 mi W. of S. cor. secs. 34, and 35, T. 101 N., R. 22 W., 940 ft E. of a T-rd. S., 43 ft N. and 443 ft W. from center of rd. at T-rd. N., 30 ft W. of telephone pole, 3 ft S. of fence line, in concrete post; standard tablet stamped "TT 81 WM 1952" (Not found probably destroyed 10-64, JHT) | 1288.660 |
| 5.2 Reference mark, 0.2 mi E. of tablet, on top of S. end of large round concrete culvert, a chiseled square | 1296.16 |
| 7.1 Emmons, 3.7 mi E. of, on the Minnesota-Iowa State line, 0.2 mi W. of S. cor. secs. 1, and 36, T. 101 N., Rs. 21 and 22 W., 44 ft N. and 169 ft E. from private drive N., 5 ft SE. of telephone pole, in concrete post; standard tablet stamped "TT 80 WM 1952" | 1284.837 |
| 7.1 Reference mark, 140 ft E. of tablet, on top of an embedded boulder; chiseled square | 1281.13 |
| 9.3 Emmons, 6.0 mi E. of, 1.0 mi S. and 6.0 mi W. from Gordonsville, on the Minnesota-Iowa State line, T. 101 N., R. 21 W., 43 ft N. and 350 ft E. from center of rd. at T-rd. S., 2 ft S. and 6 ft W. from T-fence N., in concrete post; standard tablet stamped "TT 79 WM 1952" | 1269.395 |
| 9.4 Reference mark, 340 ft E. of tablet, on top of N. end of round concrete culvert; chiseled square | 1264.97 |
| 11.2 Gordonsville, 1.0 mi S. and 4.0 mi W. from, on Minnesota-Iowa State Line, near S. cor. secs. 34 and 35, T. 101 N., R. 21 W., 31 ft N. and 210 ft E. from center of rd. at T-rd. S., 16 ft E. of field entrance N., 2 ft S. of fence, in concrete post; standard tablet stamped "TT 78 WM 1952" | 1213.733 |
| 11.2 Reference mark, 140 ft SW. of tablet, on top of S. end of round concrete culvert; chiseled square | 1210.14 |
| 13.3 Gordonsville, 1.0 mi S. and 2.0 mi W. from 10.0 mi E. of Emmons, T. 101 N., R. 21 W., near SE. cor. sec. 36, 31 ft N. and 194 ft W. from center of rd. at fence line N., 2 ft S. and 10 ft W. of telephone pole, in concrete post, standard tablet stamped "TT 77 WM 1952" | 1210.540 |
| 15.6 Gordonsville, 0.6 mi W. of, near W. sixteenth corner between secs. 29 and 32, T. 101 N., R. 20 W., 30 ft N. and 131 ft E. from T-rd. S., 15 ft E. of pole, 1 ft S. of fence, in concrete post; standard tablet stamped "TT 76 WM 1952" | 1210.304 |
| 15.4 Reference mark, 0.2 mi W. of tablet, near center of SE. concrete wingwall to bridge over Shell River | 1210.46 |

LINE 2

FEET

G. Sandul, 1972; Book CV-2850

CLEAR LAKE QUAD. - 244

- 1 43 8.4 Fertile, 2.2 mi and 3.0 mi W. of, about 1550 ft N. of cor. secs. 7, 8, 17 and 18, T. 97 N., R. 22 W., 113 ft N. and 32 ft E. of centerline of County Hwy. S 14 at drive W., 22.0 ft W. of fence, 0.8 ft W. of white witness sign, set in the top of a concrete post projecting 1.1 ft, a standard USC&GS and State Survey disk stamped "17 154", and painted "BM" (Elev. by USGS) (Slightly loose in ground) 1234.922
- 44 9.1 UE 17 154 A, 0.7 mi N. of BM along County Hwy. S 14, cor. secs. 5, 6, 7 and 8, T. 97 N., R. 22 W., 54 ft S. and 26 ft E. of centerline of T-rd. W., on E. end of corrugated steel culvert; top of stove bolt, painted "UE" 1230.45
HANLONTOWN QUAD. - 267
- 45 10.0 UE 17 154 B, 1.65 mi N. of BM along County Hwy. S 14, cor. secs. 5, 6, 31 and 32, Tps. 97 and 98 N., R. 22 W., 124 ft N. and 27 ft E. of centerline of crossroads, on E. end of concrete pipe culvert, a chiseled square; painted "UE" 1253.11
- 46 11.0 Reference mark, about 1050 ft SSW. of BM, 50 ft S. and 33 ft W. of centerline of crossroads, (E.-W. State Hwy. 9), on W. end of concrete pipe culvert, a chiseled square, painted "RM" 1213.55
- 47 11.2 Fertile, 0.7 mi N. and 3.0 mi W. of, about 1000 ft N. of crossroads, (E.-W. State Hwy. 9), at cor. secs. 29, 30, 31 and 32, T. 98 N., R. 22 W., 43 ft N. and 44 ft E. of centerline of hwy. at drive E. to abandoned house on top of cut bank, 28.0 ft N. of fence corner 3.3 ft E. of telephone pole, 1.0 ft E. of white witness sign, 1.2 ft E. of fence, set on the top of copper coated steel rod driven to 10 ft, a standard tablet stamped "9 SAN 1972"; painted "BM" 1216.792
- 48 11.9 UE 9 A, 0.7 mi N. of BM along County Hwy. S 14, about 460 ft S. of crossroads, at cor. secs. 19, 20, 29 and 30, T. 98 N., R. 22 W., 42 ft normal and on W. side of centerline of hwy. to S. (hwy. curves NE. to E.) and centerline of gravel rd. to N., on top of NE. corner of concrete corn crib base, a chiseled square, painted "UE" 1225.91
- 49 12.5 UE 9 B, 0.8 mi N. and 0.5 mi E. of BM along County Hwys. S 14, near quarter cor. between secs. 20 and 29, T. 98 N., R. 22 W., 51 ft N. and 19 ft W. of centerline of T-rd. N., on W. end of concrete pipe culvert, a chiseled square; painted "UE" 1227.80
UE 9 C,
- 50 13.5 0.8 mi N., and 0.5 mi E. and 1.0 mi N. of BM along County Hwy. S 14, quarter cor. secs. 17 and 20, T. 98 N., R. 22 W., 23 ft N. and 26 ft W. of centerline of crossroads, on N. end of concrete pipe culvert, a chiseled square; painted "UE" 1234.06
- 51 13.9 Fertile, 3.0 mi N. and 2.5 mi W. of, about 700 ft S. along County Hwy. S 14, from T-rd. W. at center of sec. 17, T. 98 N., R. 22 W., 173 ft normal and on E. side of centerline hwy., 66 ft SSW. of the SE. corner of white house (V. Louik), 47.5 ft S. of the center of a gate of sidewalk leading to house, 18.0 ft SW. of NW. corner of garage, 34 ft S. of centerline of driveway, and 1.2 ft N. of power pole with transformer, set on the top of 10 ft copper coated steel rod and about 0.2 ft below ground surface, a standard tablet stamped "10 SAN 1972" 1244.674
- 52 13.9 Reference mark, 88 ft NE. of BM, on SW. corner of concrete 7.5 ft by 5.5 ft well base, a chiseled square 1247.41
- 53 14.9 UE 10 A, 0.9 mi N. of BM along County Hwy. S 14, about 1600 ft N. of T-rd. E. at quarter cor. secs. 8 and 17, T. 98 N., R. 22 W., 260 ft N. of fence E., 26 ft normal and on E. side of centerline of hwy., on E. end of concrete pipe culvert, a chiseled square, painted "UE" 1239.40

LINE 2 (Cont'd)

HANLONTOWN QUAD. - 267

FEET

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| 1 54 | 15.6 | UE 10 B, 1.7 mi N. of BM along County Hwy. S 14, near quarter cor. secs. 5 and 8, T. 98 N., R. 22 W., 360 ft N. and 72 ft W. of centerline of T-rd. W. of offset crossroads, on center of bottom step of concrete entrance to Bethel Lutheran Church, a chiseled square | 1257.26 |
| 55 | 16.6 | Reference mark, 102 ft W. of BM, 25 ft normal and on W. side of centerline of old rd. bed, on W. end of concrete pipe culvert, a chiseled square; painted "RM" | 1251.14 |
| 56 | 16.6 | Fertile, about 5.5 mi N. and about 2.5 mi W. of, near quarter cor. between secs. 5 and 32, Tps. 98 and 99 N., R. 22 W., and County Hwy. S 14 right-of-way, 130 ft SW. along hwy. from centerline T-rd. NW. leading W., 90 ft normal and on NW. side of centerline of hwy., 73 ft normal and on E. side of centerline of old rd. bed, 2.6 ft NE. of power pole, 1.7 ft SW. of white witness sign, set on the top of 10 ft copper coated steel rod, a standard tablet stamped "11 SAN 1972"; painted "BM" (Note: 1.5 mi S. and 0.5 mi W. of Joice) | 1249.008 |
| 57 | 17.1 | UE 11 A, 0.5 mi E. of BM along County Hwy. S 14, near cor. secs. 4, 5, 32 and 33, Tps. 98 and 99 N., R. 22 W., 41 ft N. and 23 ft W. of centerline of crossroads, on W. end (0.7 ft E. of W. end) of large corrugated steel culvert, top of stove bolt, painted "UE" | 1239.67 |
| 58 | 18.1 | UE 11 B, 0.5 mi E. and 1.0 mi N. of BM along County Hwy. S 14, at junction with Co. Hwy. A 38, cor. secs. 28, 29, 32 and 33, T. 99 N., R. 22 W., 59 ft N. and 49 ft W. of centerline of crossroads, on top of E. side of round corn crib base, a chiseled square; painted | 1257.24 |
| 59 | 19.1 | Joice, about 0.5 mi N. and 0.25 mi W. of, at crossing of State Hwy. 379 and the Chicago and North Western RR., near cor. secs. 20, 21, 28 and 29, T. 99 N., R. 22 W., 255 ft S. along hwy. from centerline of RR. crossing, 83 ft normal and on E. side of centerline of hwy., 36 ft normal and on SW. side of centerline of RR. 13.6 ft NE. of fence, 1.8 ft NW. of telephone pole, 1.2 ft SW. of white witness sign, set on top of 10 ft copper coated steel rod, a standard tablet stamped "12 SAN 1972"; painted BM | 1264.771 |
| 60 | 19.1 | Reference mark, about 290 ft NNW. of BM and across tracks, 35 ft N. and 61 ft E. of centerline of grade crossing, in base on W. side of power pole, a RR. spike, painted "RM" | 1269.38 |
| 61 | 19.9 | UE 12 A, 0.8 mi NW. of BM, along State Hwy. 379, near center of sec. 20, T. 99 N., R. 22 W., 365 ft SE. along hwy. from centerline of T-rd. SW. to a lake, 36 ft normal and on NE. side of hwy., on NE. end of concrete pipe culvert, a chiseled square, painted "UE" | 1256.07 |
| 62 | 21.0 | UE 12 B, 2.0 mi NNW. of BM along State Hwy. 379, about 1400 ft N. of crossroads, at center of sec. 17, T. 99 N., R. 22 W., 36 ft normal and on W. side of centerline of hwy., on W. end of concrete pipe culvert, a chiseled square; painted "UE" | 1281.55 |
| 63 | 21.9 | Reference mark, 150 ft SE. of BM and across hwy., 52 ft S. and 30 ft E. of centerline of hwy. at drive E., on E. end of concrete pipe culvert, a chiseled square; painted "RM" | 1256.00 |
| 64 | 21.9 | Joice, 2.25 mi N. and 0.75 mi W. of, 1.0 mi S. and 3.5 mi E. of Lake Mills, near center of sec. 8, T. 99 N., R. 22 W., 540 ft S. along State Hwy. 379 from centerline crossroads, 164 ft SSE. of the SE. corner of white house (C.R. Burdik), 80 ft normal and on W. side of centerline of hwy., midway between second and third trees W. of hwy. of E.-W. tree line; 31.3 ft W. of T-fence W., 0.9 ft N. of fence, 0.5 ft N. of white witness sign, on top of 10 ft copper coated steel rod, a standard tablet stamped "13 SAN 1972" | 1252.026 |

LINE 2 (Cont'd)

HANLONTOWN QUAD. - 267

FEET

- 1 65 22.8 UE 13 A, 0.85 mi N. of EM along State Hwy. 379, at junction with State Hwy. 105, near center of sec. 5, T. 99 N., R. 22 W., 55 ft S. and 95 ft W. of centerline of crossroads, on S. end of concrete pipe culvert, a chiseled square; painted "UE" 1248.24
- 66 23.8 UE 13 B, 1.85 mi N. of EM along State Hwy. 379 and County Hwy. S 10, near center of sec. 32, T. 100 N., R. 22 W., 28 ft N. and 20 ft E. of centerline of crossroads, on E. end of concrete pipe culvert, a chiseled square; painted "UE" 1275.36
- 67 24.6 Reference mark, 155 ft ESE. of EM, 12 ft S. and 28 ft W. of centerline of hwy. at drive on top of S. end of corrugated steel culvert, top of stove bolt, painted "RM" 1282.68
- 68 24.7 Lake Mills, 2.0 mi N. and 3.5 mi E. of, about 950 ft S. along County Hwy. S 10 from crossroads at center of sec. 29, T. 100 N., R. 22 W., 175 ft normal and on the W. side of centerline of hwy., 68 ft NNE. of NE. corner of a garage, 93 ft NNW. of NW. corner of a white house, 70 ft SW. of 48-in. cottonwood tree, 2.0 ft N. of power pole with yard light, set on the top of 10 ft copper coated steel rod, a standard tablet stamped "14 SAN 1972" (Note: Top of tablet about 0.2 under ground surface) 1285.691
- 69 25.6 UE 14 A, 0.9 mi N. of EM along Co. Hwy. S 10, near center S $\frac{1}{2}$ of sec. 20, T. 100 N., R. 22 W., 160 ft S. and 24 ft E. of centerline of hwy. at long driveway W., on E. end of concrete pipe culvert, a chiseled square, painted "UE" 1302.50
- 70 26.4 UE 14 B, 1.7 mi N. of EM along County Hwy. S 10, near quarter cor. secs. 17, and 20, T. 100 N., R. 22 W., 21 ft S. and 45 ft E. of centerline of T-rd. S. on S. end of concrete pipe culvert, a chiseled square; painted "UE" 1325.86
- 71 27.3 Emmons, about 2.0 mi S. of, 477 ft E. along Co. Hwy. S 10 from centerline of T-rd. N. at quarter cor. between secs. 18 and 19, T. 100 N., R. 22 W., 58 ft N. and 123 ft E. of centerline of hwy. at drive N., 98 ft S. of SE. cor. of large house owned by Rodger Morpe, 8.4 ft N. of fence corner, 5.2 ft W. of 10-in. pine tree, 0.9 ft E. of white board fence, and 8.8 ft N. of white witness sign, set on the top of 5 ft copper coated steel rod, a standard tablet stamped "14 A SAN 1972" and is 0.5 below ground surface 1315.004
- 72 27.3 Reference mark, about 14.1 ft W. of EM, 32 ft N. and 14 ft W. of centerline of hwy. at drive N., on W. end of corrugated steel pipe culvert, top of stove bolt, painted "RM" 1309.87
- 73 28.6 UE 14 A A, 0.1 mi W. and 1.15 mi N. of EM along County Hwy. S 10, about 890 ft N. along hwy. from centerline of T-rd. E. at quarter cor. secs. 7 and 18, T. 100 N., R. 22 W., 22 ft normal and on E. side of centerline of hwy., on E. end of concrete pipe culvert; a chiseled square; painted "UE" 1273.14
- 74 29.3 UE 14 A B, At Emmons, near S. sixteenth cor. between secs. 32 and 33, T. 101 N., R. 22 W., at crossing of U.S. Hwy. 69 and N.-S. asphalt section line rd., 43 ft N. and 52 ft W. of centerline of crossroads, on the top of E. edge of 3.5 ft diameter round flag pole base, a chiseled square Note: In small town park 1290.78

ALBERT LEA QUAD. - 10 MIN.

- 75 29.8 Emmons, 0.5 mi N. of, near quarter cor. between secs. 32 and 33, T. 101 N., R. 22 W., 279 ft S. along asphalt rd. from centerline of rd. at fence E., 29 ft normal and on E. side of centerline of rd., 0.5 ft NW. of white witness sign, and 70.6 ft NNW. of power pole, set on the top of concrete post, a standard tablet stamped "TT 82 WM 1953" 1309.985