

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

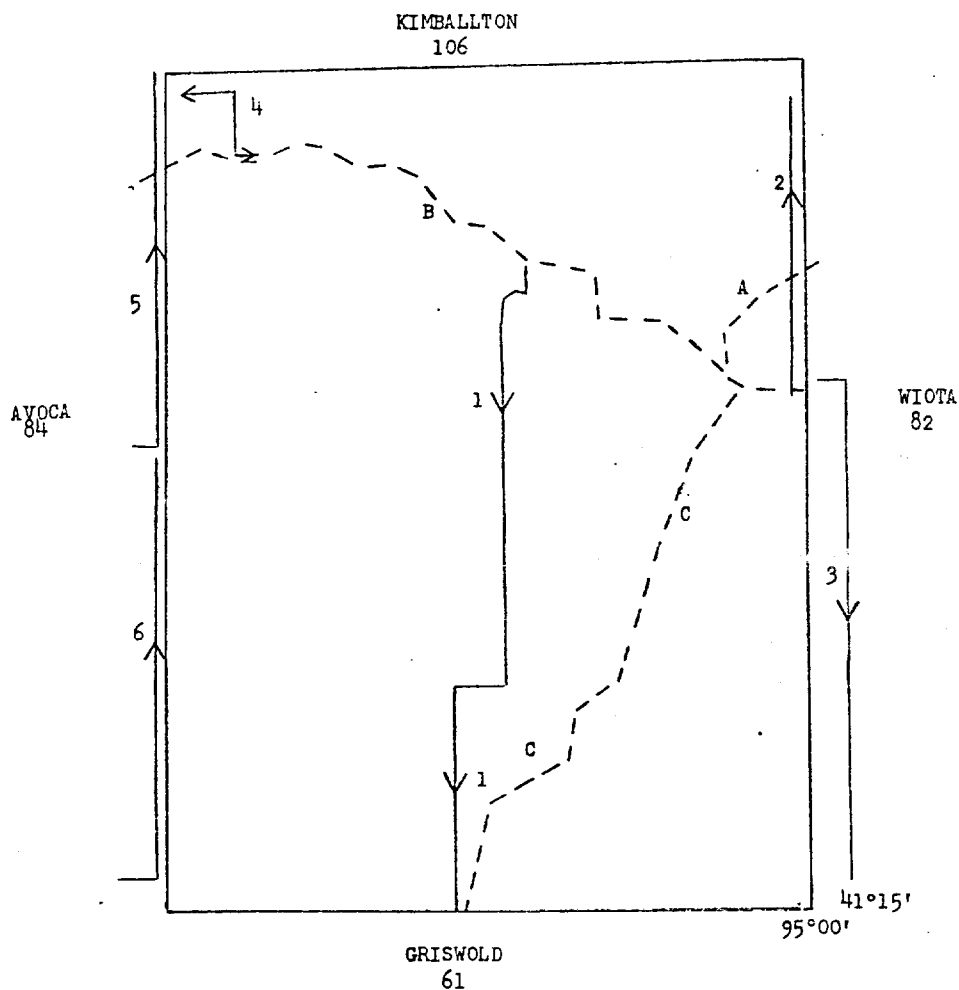
Cass and Pottawattamie Counties

FINAL ADJUSTMENT OF 1969

Edition of 8/19/69

PR:AKH/MK/gh

MARNE QUADRANGLE
83 - IOWA
N4115-W9500/15
DIAGRAM NK 15-7
OMAHA, NEB.-IOWA



USG&GS VERTICAL CONTROL DATA

Quadrangle 410952
A. Line No. 6
B. Line No. 19
C. Line No. 81

83 C

LINE 1

FEET

P. J. Hohenberger, 1968; Book CV 2338

MARNE QUAD. - 83

- 1 1 0.0 At Marne, Cass County, 0.4 mi NW. along the Chicago, Rock Island & Pacific RR. from the station, at steel bridge 446.3, in the S. end of the E. stone abutment, 1 ft N. of the S. end of the top step of the abutment, 1.5 ft E. of the W. face, 1.5 ft W. of the E. face of the step, 20 ft S. of the S. rail of the track, and about 7 ft lower than the track; USC&GS standard disk stamped "D 150 1949" 1188.813

- 2 1.2 UE D 150 A, about 0.4 mi SE. along abandoned RR., thence 0.45 mi generally S. along paved and gravel rds., T. 77 N., R. 37 W., near the N. center of section 28, 11 ft E. and 1.1 ft lower than rd., 1.3 ft S. of S. end of steel guard rail, on top, near center of E. headwall of a concrete culvert; a chiseled square 1208.25

- 3 1.9 UE D 150 B, about 1.0 mi S. of Marne, T. 77 N., R. 37 W., at quarter cor. between secs. 28 and 33, 40 ft N., 24 ft E. and 3.8 ft higher than T-rd. N., on top, near center of angle in headwall of a concrete culvert; a chiseled cross 1211.31

- 4 2.6 UE D 150 C, about 1.25 mi S. and 0.5 mi W. of Marne, T. 77 N., R. 37 W., at the N. sixteenth cor. between secs. 32 and 33, 26 ft N., 19.5 ft E. and 1.3 ft lower than T-rd. W. at drive E., on top of N. end of a 1.5 ft cement pipe culvert; a chiseled square 1204.860

- 5 3.2 UE D 150 D, about 2.0 mi S. and 0.5 mi W. of Marne, Tps. 76 and 77 N., R. 37 W., near cor. secs. 4, 5, 32 and 33, 0.65 mi S. of "UE D 150 C", 12 ft W. and 1.7 ft lower than rd., at SW. corner of a wooden culvert, on top of S. end of a vertical 2 x 8 beam; a copper nail and washer 1186.89

- 6 3.9 Atlantic, Cass County, 0.4 mi N. and 7.0 mi W. of the jct. of U. S. Hwys. 71 and 6 at; T. 76 N., R. 37 W., near quarter cor. between secs. 4 and 5, 24 ft S., 23 ft E. and 2.0 ft lower than grade crossing, 5.0 ft S. and 9.0 ft E. of a RR. crossing sign, 4.0 ft N. of a power pole, painted "BM", 1.0 ft S. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "1 PJH 1968" 1224.825

- 7 4.3 UE 1 PJH A, about 0.45 mi S. along gravel rd. from tablet, 44 ft N., 30 ft E. and 3.2 ft lower than crossroads (concrete rd. and N.-S. gravel rd.), on top of N. end of a 2.0 ft cement pipe culvert; a chiseled square 1225.43

- 9 5.3 UE 1 PJH B, about 1.45 mi S. along gravel and dirt rds. from B.M., 19 ft N., 23 ft E. and 3.2 ft lower than crossroads, on top of N. end of a 2.0 ft circular steel pipe culvert; a punch mark and painted square (culvert is slightly damaged) 1225.35

- 11 6.3 UE 1 PJH C, about 2.45 mi S. along gravel and dirt rds. from B.M., 34 ft N., 22 ft E. and 2.6 ft lower than T-rd. E., on top of E. end of a 2.0 ft corrugated pipe culvert; a punch mark and painted square 1209.56

- 13 7.4 Atlantic, Cass County, 3.1 mi S., 7.0 mi W. of the jct. of U. S. Hwys. 71 and 6 at; T. 76 N., R. 37 W., near cor. secs. 20, 21, 28 and 29, 33.5 ft S. and 98.5 ft W. of the SW. corner of a white frame house, 89 ft N., 33 ft W. and 2.4 ft lower than rd. at drive E., 5.0 ft N. of a power pole, painted "B.M.", 2.0 ft S. of a witness sign, 1.0 ft E. of a fence; a standard tablet stamped "2 PJH 1968" and crimped to the top of a copper rod 1271.927

- 14 7.9 Reference mark, 86 ft SE. of BM, 25 ft N. and 30 ft E. of rd. at drive E., on top of SW. root of a double-trunk oak tree and projecting 0.5 ft; a copper nail and washer 1276.09

LINE 1 (Cont'd)

MARNE QUAD. - 83

FEET

- | | | |
|----------|---|----------|
| 1 15 8.4 | UE 2 PJH A, about 0.9 mi S. along gravel rd. from BM, 28 ft N., 24 ft W. and 6.2 ft lower than crossroads, on top of N. end of a 1.5 ft corrugated pipe culvert; a punched hole and painted square | 1229.09 |
| 17 9.4 | UE 2 PJH B, about 1.9 mi S. along gravel rd. from BM, 263 ft S., 20 ft W. and 14.5 ft lower than T-rd. W., on top of W. end of a 2.0 ft corrugated pipe culvert; a punch mark and painted square | 1182.20 |
| 19 10.3 | Atlantic, Cass County, 6.0 mi S. and 7.0 mi W. of the jct. of U. S. Hwys. 71 and 6 at; T. 75 N., R. 37 W., near cor. secs. 4, 5, 8 and 9, 297.5 ft N., 34 ft E. and 11.1 ft lower than crossroads (U. S. Hwy. 6 and N.-S. gravel rd.), 237 ft N. and 1.0 ft W. of a right-of-way fence corner N.-E., 22 ft N. of a power pole, painted "BM", 5.0 ft N. of base of a guy wire line, 2.0 ft N. of a witness post; a standard tablet crimped to the top of a copper rod stamped "3 PJH 1968" | 1209.445 |
| 20 10.9 | Reference mark, 230 ft SSW. of BM, 76 ft N. and 32 ft W. of crossroads, 1.0 ft E. of a fence corner N.-W., on top of an orange colored iron rail used as a right-of-way marker projecting 0.2 ft | 1217.99 |
| 20 10.9 | UE 3 PJH A, about 0.6 mi W. along U. S. Hwy. 6 from BM, at a long concrete bridge, 19 ft N. and 0.4 ft higher than rd., 1.0 ft S. and 7.5 ft E. of NW. corner of NE. concrete wingwall, 9.0 ft SE. of NE. end of wingwall, on of a 3/5-in. iron rod set flush with concrete | 1140.14 |
| 21 11.5 | UE 3 PJH B, about 1.0 mi W. along U. S. Hwy. 6 from BM, 55 ft N., 32 ft E. and 3.3 ft lower than crossroads (jct. St. Hwy. 48 and gravel rd. N.) on top of E. end of a 2.0 ft concrete V-shaped culvert; a chiseled square | 1150.27 |
| 22 12.3 | UE 3 PJH C, about 1.0 mi W. along U. S. Hwy. 6, thence 1.0 mi S. along State Hwy. 48, 55 ft N., 30 ft W. and 1.7 ft lower than T-rd. W., on top of W. end of a 2.0 ft circular concrete V-shaped culvert; a chiseled square | 1154.59 |
| 23 13.3 | Griswold, Cass County, 3.85 mi N. along State Hwy. 48 from jct. with State Hwy. 92 at; T. 75 N., R. 37 W., near cor. secs. 17, 18, 19 and 20, 42 ft S., 99 ft W. and 9.6 ft lower than hwy. at field entrance W., 1.5 ft E. of a right-of-way fence, 2.5 ft S. of a witness sign; a standard tablet crimped to the top of a copper rod; stamped "4 PJH 1968" | 1101.051 |
| 24 13.3 | Reference mark, 212 ft SE. of BM, at NW. corner of a long concrete bridge across Turkey Creek, 19 ft W. of hwy., on top, in center of wingwall; a chiseled square | 1116.39 |
| 24 14.4 | UE 4 PJH A, about 1.1 mi S. along State Hwy. 48 from BM, 27 ft N., 45 ft W., and 4.7 ft lower than T-rd. E., on top of N. end of a 1.5 ft corrugated pipe culvert; a punch mark and painted square | 1124.71 |
| 25 15.4 | Griswold, Cass County, 1.75 mi N. along State Hwy. 48 from jct. with State Hwy. 92 at; T. 75 N., R. 37 W., near cor. secs. 29, 30, 31 and 32, 78 ft N., 70.5 ft E. and 4.3 ft lower than crossroads, 35 ft S. and 38 ft W. of SW. corner of a white frame house, 32.5 ft WNW. of a 2.5 ft diameter birch tree, 3.5 ft S. and 1.0 ft E. of a power pole, painted "BM", 2.5 ft S. of a right-of-way marker; a standard tablet crimped to the top of a copper rod stamped "5 PJH 1968" | 1110.912 |
| 26 15.4 | Reference mark, 45.5 ft SW. of tablet, 43 ft N. and 40 ft E. of crossroads, on top of E. end of a 3.5 ft circular concrete V-shaped culvert; a chiseled square | 1110.67 |

LINE 1 (Cont'd)

MARNE QUAD. - 83

FEET

- | | | |
|----------------------------|--|----------|
| 1 26 16.4 | UE 5 PJH A, about 1.0 mi S. along State Hwy. 48 from BM, 278 ft N., 12.5 ft E. and 0.3 ft lower than crossroads, on top, near center of E. concrete curb of a small bridge; a chiseled square | 1106.15 |
| <u>GRISWOLD QUAD. - 61</u> | | |
| 27 17.2 | At Griswold, Cass County, on the Chicago, Burlington & Quincy RR., at the station, at the Main Street crossing, 81 ft W. of the center of the track, 56 ft N. of the center of the street, at the SE. corner of a park, 4 ft N. of the N. edge of a sidewalk, and level with the track; a USC&GS standard disk stamped "C 99 1935" and set in the top of a concrete post | 1102.540 |

LINE 2

P. J. Hohenberger, 1968; Book CV 2338

MARNE QUAD. - 83

FEET

- | | | |
|----------|--|----------|
| 1 30 0.0 | At Atlantic, Cass County, on the Chicago, Rock Island & Pacific RR., in the N. brick wall of the station, 2 ft E. of the E. waiting room door, and 4 ft above the platform; USC&GS standard disk stamped "Q99 1935" and set vertically | 1163.305 |
| 31 1.0 | UE 1163 A, about 1.0 mi N. along paved rd. from "BM" at a concrete bridge across Troublesome Creek, 17 ft E. and 0.8 ft higher than rd., on top, in center of NE. wingwall; a chiseled square | 1163.96 |
| 32 1.4 | UE 1153, about 1.4 mi N. along paved rd. from BM (Olive St.), 49 ft S., 60 ft W. and 1.8 ft lower than T-rd. E., 6.0 ft N. and 6.0 ft E. of NE. cor. building for radio station KJAN, at extreme NE. corner of right-angle turn in sidewalk; a chiseled square | 1153.72 |
| 33 2.4 | UE 1161, about 2.4 mi N. along paved and concrete rd. from BM, at a concrete bridge across Nishnabotna River, 18 ft E. and 0.5 ft higher than rd., on top, in center of SE. concrete wingwall; a chiseled square | 1161.05 |
| 34 2.7 | Atlantic, Cass County, 2.25 mi N. and 1.0 mi W. of the jct. of U. S. Hwys. 71 and 6 at; T. 77 N., R. 36 W., near the S. sixteenth cor. between secs. 28 and 29, 260 ft N., 49 ft E. and 4.1 ft lower than T-rd. W., 5.0 ft S. of a power pole, painted "BM", 1.5 ft W. of a right-of-way fence, 3.0 ft N. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "6 PJH 1968" | 1152.751 |
| 35 3.9 | UE 1 PJH A, about 1.2 mi N. along concrete rd. from BM, at center of T-rd. E., on top of small stone set in concrete at center of a chiseled cross | 1259.74 |
| 36 4.4 | UE 1 PJH B, about 1.7 mi N. along concrete rd. from BM, 22 ft S., 33 ft W. and 3.4 ft lower than T-rd. W. at offset crossroads, on top of S. end of a 2.5-ft cement pipe culvert; a chiseled square | 1282.25 |
| 37 5.5 | Atlantic, 5.0 mi N. of from U. S. Hwy. 6 at Olive Street, 161 ft N. and 49 ft W. of crossroads, near cor. secs. 8, 9, 16 and 17, T. 77 N., R. 36 W., 128 ft N. of E.-W. fence, 4 ft N. of telephone pole, in concrete post; standard tablet stamped "TT 29 LB 1956 RESET 1959" | 1326.582 |
| 38 6.0 | UE 29 LB A, about 0.5 mi N. along concrete rd. from BM, at a concrete bridge, 13 ft E. and 0.7 ft higher than rd., on top, near S. end of E. concrete curb; a chiseled square | 1222.41 |
| 39 6.4 | UE 29 LB B, about 1.0 mi N. along concrete rd. from BM, at center of crossroads (denoting sec. cor.); a chiseled cross | 1256.47 |
| 40 7.0 | UE 29 LB C, about 1.5 mi N. along concrete rd. from BM, at overpass across Interstate 80, on top, near center of N. end of E. concrete walkway, 16 ft E. and 0.8 ft higher than rd.; a chiseled square | 1306.71 |

LINE 2 (Cont'd)

MARNE QUAD. - 83

FEET

- 1 41 8.0 UE 29 LB D, about 2.5 mi N. along concrete and gravel rd. from BM, 13 ft N., 19 ft W. and 1.8 ft lower than T-rd. E., on top of W. end of a 2.5 ft corrugated pipe culvert; a punch mark and painted square (NOTE: culvert is slightly damaged) 1313.25
- 42 8.5 UE 29 LB E, about 2.5 mi N., thence 0.5 mi E. along concrete and gravel rds. from BM, 24 ft N. and 1.9 ft higher than rd., at SW. corner of bottom step of a sidewalk leading N. to center of a house; a chiseled square 1322.48
- AUDUBON QUAD. - 105
- 43 9.0 Exira, 5.5 mi S. and 5.0 mi W. of; near quarter cor. secs. 33 and 34, T. 78 N., R. 36 W., 183 ft N. and 34 ft E. of crossroad, 33 ft S. of private drive E., 11 ft S. of a power pole, 1 ft W. of a fence corner, in concrete post; standard tablet stamped "21 LB 1956" 1366.536

LINE 3

P. J. Hohenberger, 1968; Book CV 2338

WIOTA QUAD. -- 82

- 1 45 0.0 Atlantic, Cass County, 1.3 mi E. along the C. R. I. & P. RR. from the station at; at a private rd. crossing, 0.15 mi W. of a farmhouse, 0.2 mi W. of an open air theatre, 22 ft S. of the center of a rd., 42 ft N. of the N. rail, 38 ft E. of the center of a rd., 5 ft N. of a telephone pole, 4.8 ft S. of a fence, 2.7 ft W. of a witness post, set in the top of a concrete post which projects 0.3 ft above the ground; USC&GS standard disk stamped "H 163 1950" 1180.677
- 46 1.4 UE H 163 A, about 1.0 mi S. along U. S. Hwy. 71 from jct. with U. S. Hwy. 6, 179 ft N., 23 ft W. and 1.8 ft lower than T-rd. W., on top, center of W. headwall of a concrete box culvert; an iron bolt stamped "I.H.C. B.M." (Elev. by USGS) 1254.49
- 47 2.4 UE H 163 B, about 2.0 mi S. along U. S. Hwy. 71 from jct. with U. S. Hwy. 6, 29 ft N., 25 ft W. and 3.4 ft lower than T-rd. E. at offset crossroads, on top, in center of W. headwall of a concrete box culvert; an iron bolt stamped "I. H. C. B.M." (elev. by USGS) 1224.84
- 48 2.9 UE H 163 C, about 2.5 mi S. along U. S. Hwy. 71 from jct. with U. S. Hwy. 6, 28 ft W. and 7.8 ft lower than hwy., on top of N. end of W. headwall (13.0 ft in length) of a concrete culvert; a chiseled square 1174.28
- 49 3.5 UE H 163 D, about 3.0 mi S. along U. S. Hwy. 71 from jct. with U. S. Hwy. 6, 121 ft S., 28 ft W. and 4.2 ft lower than T-rd. E., on top, in center of W. headwall of a concrete box culvert; an iron bolt stamped "I. H. C. B.M." (elev. by USGS) 1189.43
- 50 3.8 Atlantic, Cass County, 3.25 mi S. along U. S. Hwy. 71 from jct. with U. S. Hwy. 6 at; T. 76 N., R. 36 W., near the N. sixteenth cor. between secs. 27 and 28, 133.5 ft N. and 39 ft E. of the NE. corner of a white frame house, 116 ft N. and 16 ft W. of a board fence corner N. and W., 50 ft W. and about 7.5 ft higher than hwy., 43 ft N. and 1.5 ft E. of a fence corner N. and E., 27 ft SW. of a 2.0 ft diameter elm tree, 11.5 ft N. of a power pole painted "B.M.", 2.5 ft S. of a witness sign; a standard tablet crimped to the top of a copper rod, stamped "7 PJH 1968" 1213.874
- 51 4.3 UE 7 PJH A, about 0.6 mi S. along U. S. Hwy. 71 from B.M., 15 ft W. and 0.5 ft higher than hwy., at a steel and concrete bridge across Turkey Creek, on top, near end of NW. wingwall; an iron bolt stamped "I. H. C. B.M." (elev. by USGS) 1158.09
- 52 5.1 UE 7 PJH B, about 1.3 mi S. along U. S. Hwy. 71 from B.M., at the top of a long hill, just N. of a white frame house W. of rd., 20 ft W. and 0.4 ft lower than hwy., on top, in center of a concrete box culvert; an iron bolt stamped "I.H.C. B.M." (elev. by USGS) 1266.85

LINE 3 (Cont'd)

WIOTA QUAD. - 83

FEET

- | | | |
|----------|---|----------|
| 1 53 5.5 | UE 7 PJH C, about 1.7 mi S. along U. S. Hwy. 71 from B.M., 119 ft N., 33 ft W. and 13.4 ft lower than T-rd. W., on top of center of W. headwall of a concrete culvert; a chiseled square | 1254.20 |
| 53 5.8 | Reference Mark 1 for Triangulation Station TURK 1968, 41.14 ft E. of station, 32 ft N. of center of the rd. and 1 ft S. of the right-of-way fence and a metal witness post | 1306.453 |
| 53 5.8 | Atlantic, 1.0 mi E. and 5.0 mi S. of; about 0.1 mi W. of cor. of secs. 3, 4, 33 and 34, Tps. 75 and 76 N., R. 36 W., in the right-of-way of an E.-W. gravel rd., about 0.1 mi W. of its intersection with U. S. Hwy. 71, a standard tablet stamped "TURK 1968" crimped on a 10ft length of copper coated rod, driven flush with the ground and set in 6 in. tile filled with gravel | 1307.623 |
| 53 5.8 | Reference Mark 2 for Triangulation Station TURK 1968, 64.49 ft SSE. of station, 33 ft S. of center of rd., 15 ft W. of a power line pole and 1 ft N. of the right-of-way fence and a metal witness post | 1307.665 |
| 54 6.2 | UE Turk A, about 0.4 mi S. along U. S. Hwy. 71 from station, 25 ft W. and 3.2 ft lower than hwy., on top, in center of W. headwall of a concrete box culvert; an iron post stamped "I. H. C. B.M." (elev. by USGS) | 1277.51 |
| 55 6.8 | UE Turk B, about 1.0 mi S. along U. S. Hwy. 71 from B.M., at center of crossroads; a copper nail and washer | 1263.30 |
| 56 7.2 | UE Turk C, about 1.4 mi S. along U. S. Hwy. 71 from B.M., at a small steel and concrete bridge, 12.0 ft E. and 0.5 ft higher than rd., on top, near end of SE. wingwall; an iron bolt stamped "I.H.C. B.M." (elev. by USGS) | 1206.25 |
| 57 8.0 | UE Turk D, about 2.2 mi S. along U. S. Hwy. 71 from B.M., 860 ft S., 20 ft W. and 36.3 ft lower than T-rd. W., at offset crossroads (71 and 414), on top, in center of headwall of a concrete box culvert; an iron bolt stamped "I. H. C. B.M." (elev. by USGS) | 1263.03 |
| 58 8.7 | UE Turk EY, about 2.9 mi S., along U. S. Hwy. 71 from B.M., 780 ft N., 14 ft W. and 7.5 ft lower than crossroads, on top, near end of SW. wingwall of a concrete bridge; an iron bolt stamped "I. H. C. B.M." (elev. by USGS) | 1197.58 |
| 59 9.6 | Reference mark, 580 ft N. of B.M., 22 ft E. of hwy., on top, in center of E. headwall of a concrete box culvert; an iron bolt stamped "I. H. C. B.M." | 1228.21 |
| 60 9.6 | Atlantic, Cass County, 9.0 mi S. along U. S. Hwy. 71 from jct. with U. S. Hwy. 6 at; T. 75 N., R. 36 W., secs. 21, 22, 27 and 28, 309 ft N., 49 ft W. and 0.8 ft higher than crossroads, 129 ft N. and 1.0 ft E. of a right-of-way fence corner N. and SW., 4.5 ft S. of a power pole, painted "BM", 3.5 ft N. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "8 PJH 1968" | 1237.104 |
| 60 10.5 | UE 8 PJH A, about 0.7 mi S. along U. S. Hwy. 71 from B.M., 14 ft W. and 1.1 ft higher than hwy., on top, near center of NW. wingwall of a concrete culvert; a chiseled cross | 1172.73 |
| 61 10.8 | UE 8 PJH B, about 1.0 mi S. along U. S. Hwy. 71 from B.M., 70 ft N., 37 ft E. and 0.4 ft lower than crossroads (92 and 71), on top, in center of E. headwall (10.5 ft in length) of a concrete culvert; an iron bolt stamped "I. H. C. B.M." (elev. by USGS) | 1169.16 |

LINE 3 (Cont'd)

WIOTA QUAD. - 82

FEET

- 1 62 12.0 UE 8 PJH C, about 1.0 mi S. along U. S. Hwy. 71, thence 1.0 mi E. along State Hwy. 92, at center of crossroads denoting section corner; a chiseled cross
1290.74

LINE 4

P. J. Hohenberger. 1968; Book CV 2338

MARNE QUAD. - 83

- 2 68 0.0 At Walnut, Pottawattamie County, on the C.R.I. & P. RR., 282 ft W. of the W. end of the station, 215 ft S. of the center of the main track, in a fence corner and 3 ft from either fence; a standard cap stamped "1285.034" and riveted on top of a 3.5 in. iron pipe
1285.513
- 68 0.6 UE 1285 A, at Walnut, Pottawattamie County, on top of the S. corner of concrete base for SE. leg of the city water tower and projecting 0.4 ft; a chiseled square
1351.24
- 69 1.2 UE 1285 B, T. 77 N., R. 38 W., at quarter cor. between secs. 8 and 9, at center of crossroads
1350.17
- 69 1.5 UE 1285 C, T. 77 N., R. 38 W., near cor. secs. 4, 5, 8 and 9, 27 ft S., 26 ft E. and 2.8 ft lower than T-rd. W., on top of S. end of a 2.0 ft corrugated pipe culvert; a punch mark and painted square
1295.82
- 70 2.1 Reference Mark 1 for Triangulation Station WALNUT 1968; 70.67 ft E. of station and 1 ft N. of right-of-way fence and a metal witness post
1353.199
- 71 2.1 Avoca, about 1.25 mi N. and 5.2 mi E. of; 1.25 mi N. and 0.8 mi W. of Walnut, about 0.2 mi E. of center of sec. 5, T. 77 N., R. 38 W., in the right-of-way of Interstate 80, 0.8 mi W. of an interchange with a county rd.; a standard tablet stamped "WALNUT 1968", crimped on 10-ft lengths of copper coated rod, driven flush with ground and set in 6-in. tile filled with gravel
1353.085
- 71 2.1 Reference Mark 2 for Triangulation Station WALNUT 1968; 62.68 ft W. of station and 1 ft N. of right-of-way fence and a metal witness post
1353.535
- 71 3.0 UE Walnut A, about 0.75 mi E. along Interstate 80, thence 0.15 mi S. of Walnut exit overpass, 15 ft E. and 0.8 ft higher than rd., in top of S. end of E. concrete curb of a small bridge; a brass plug stamped "I.H.C. B.M."
1281.43
- 72 4.4 UE Walnut B, At Walnut, at Central St. RR. overpass, 13 ft W. and 1.4 ft higher than rd., 53 ft S. of center of a storm sewer, 10.5 ft N. of S. end of N. abutment; a chiseled square
1319.06
- 73 5.0 UE Walnut C, about 0.6 mi E. along abandoned RR. from Central St. overpass at Walnut, 15 ft S. and 1.0 ft higher than abandoned RR., opposite levee dividing 2 ponds for sewage disposal system, at NW. corner of a 7.0 ft concrete box sewer; a chiseled square
1276.66
- 74 5.3 Walnut, 0.9 mi E. along the C.R.I. & P. RR. from the station at; at a public rd. crossing, 55.0 ft N. of the center of the rd., 47.9 ft SE. of the SE. rail of the track, 7.8 ft N. of a corner fence post, 3.0 ft NW. of the SE. right-of-way fence, 1.5 ft SW. of a reference post, set in the top of a concrete post projecting 0.4 ft above the ground; a USC&GS standard disk stamped "Y 149 1949"
1277.238

LINE 5

FEET

A. J. Keepes, 1962; Book CV 1448

AVOCA QUAD. - 84

- 2.6 Reference mark, 6 ft N. of, 127 ft E. of tablet at N. base of a 36-in. elm tree; a RR. spike 1326.60
- 2.6 Hancock, 0.5 mi N., 3.9 mi E. of, T. 76 N., R. 39 W., near cor. secs. 11, 12, 13 and 14, 40 ft S., 309 ft W. and 2.3 ft lower than center of crossroads, 40 ft S., 12 ft W. of field entrance S., 5 ft S., 2 ft W. of a fence corner; set in a concrete post; a standard tablet stamped "1 KEE 1962" 1323.314
- 3.6 UE 1 KEE A, 1.0 mi E. of tablet, at NE. corner of concrete bridge, 17 ft N., 47 ft E. and 0.1 ft higher than center of bridge; a chiseled square 1217.57
- 4.6 UE 1 KEE B, 2.0 mi E. of tablet, 33 ft S., 33 ft W. and 2.7 ft lower than crossroads, on W. end of a 24-in. metal culvert; a punched hole 1283.13
- 4.9 Hancock, 0.7 mi N., 6.0 mi E. of, 5.8 mi S., 1.5 mi W. of Walnut, T. 76 N., R. 38 W., near S. sixteenth cor. secs. 7 and 8, 81 ft S., 34 ft W. and 3.3 ft lower than private drive E., 21 ft S., 24 ft W. of fence W., 6 ft S. of S. gate post; set in a concrete post; a standard tablet stamped "2 KEE 1962" 1331.349
- 5.6 UE 2 KEE A, 0.7 mi N. of tablet, center of crossroads 1290.3
- 6.5 UE 2 KEE B, 1.7 mi N. of tablet, 17 ft N., 38 ft E. and 1.2 ft higher than crossroads, on N. end of a 24-in. metal culvert; a punched hole 1328.12
- 7.5 UE 2 KEE C, 2.7 mi N. of tablet, 19 ft N., 32 ft E. and 2.8 ft lower than crossroads, on N. end of a 24-in. metal culvert; a punched hole 1258.82
- 7.9 Reference mark, 74 ft S., 67 ft E. of tablet at N. base of a telephone pole; a RR. spike 1297.25
- 7.9 Walnut, 2.7 mi S., 1.5 mi W. of, T. 77 N., R. 38 W., near S. sixteenth cor. secs. 29 and 30, 167 ft N., 33 ft W. and 5.3 ft higher than field approach W.; a crossroad, (W.) from a small tree, 1.5 ft E. of N.-S. fence, set in a concrete post; a standard tablet stamped "3 KEE 1962" 1301.443
- 8.6 UE 3 KEE A, 0.7 mi N. of tablet, 50 ft N., 27 ft E. and 2.7 ft lower than crossroad on N. end of an 18-in. metal culvert; at a field approach E.; a punched hole 1345.86
- 9.6 UE 3 KEE B, 1.7 mi N. of tablet, center of T-rd. S.; 1348.6
- 11.1 Walnut, 1.2 mi W. along C. R. I. & P. RR. from station at; at a rd. crossing, 97 ft SE. of center of State Hwy. 83, 30 ft NW. of NW. rail, 35 ft N. of center of E.-W. rd., 31 ft E. of N.-S. rd., 14 ft NW. of a pole, 16 ft SE. of another pole and 1.5 ft E. of a witness post; a USC&GS standard disk stamped "A-148 1949" and set in top of a concrete post 1300.962

LINE 6

A. J. Keepes, 1962; Book CV 1448

AVOCA QUAD. - 84

- 9.6 Reference mark, 150 ft NW. of tablet, 5 ft S., 5 ft W. of SW. corner of abandoned school building, 1.0 ft S. of a water pump, on concrete foundation; a chiseled square 1304.96
- 9.6 Oakland, 3.5 mi S., 7.5 mi E. of, T. 75 N., R. 38 W., at cor. secs. 30, 31, 29 and 32, 36 ft S., 131 ft E. and 2.2 ft higher than crossroads, 1.5 ft S., 100 ft E. of a fence corner post, set in a concrete post; a standard tablet stamped "6 KEE 1962" 1301.761

<u>LINE 6 (Cont'd)</u>	<u>AVOCA QUAD. - 84</u>	<u>FEET</u>
10.6 UE 6 KEE A, 1.0 mi N. of tablet, 18 ft N., 22 ft W. and 1.7 ft lower than crossroads, on N. end of a 24-in. metal culvert; a punched hole		1306.95
11.6 UE 6 KEE B, 2.1 mi N. of tablet, 177 ft N., 24 ft W. and 14.2 ft lower than crossroads, on S. end of a 24-in. metal culvert, at a field approach W.; a punched hole		1255.81
12.5 Oakland, 0.5 mi S., 7.5 mi E. of, 5.6 mi S., 6.5 mi E. of Hancock, T. 75 N., R. 38 W., near cor. secs. 7, 8, 17 and 18, 26 ft N., 48 ft W. and 0.2 ft higher than private drive W., 2 ft S., 17 ft W. of a fence corner post, 18 ft E. of a power pole, set in a concrete post; a standard tablet stamped "7 KEE 1962"		1303.453
13.6 UE 7 KEE A, 1.1 mi N. of tablet, approx. 630 ft E. of Hwy. 6 at gravel rd. crossing, 18 ft N. and 1.0 ft lower than center of hwy., in center of N. headwall of a concrete box culvert; a chiseled square		1281.85
14.6 UE 7 KEE B, 2.1 mi N. of tablet, 23 ft N., 18 ft W. and 4.5 ft lower than crossroads, on W. end of a 24-in. metal culvert; a punched hole		1330.18
15.7 UE 7 KEE C, 3.1 mi N. of tablet, 140 ft N., 69 ft W. and 14.6 ft higher than crossroads, 9 ft N., 8 ft E. of SE. corner of abandoned school, on SE. corner of bottom concrete step; a chiseled square		1316.66
16.1 Hancock, 2.6 mi S., 6.5 mi E. of, T. 76 N., R. 38 W., near S. sixteenth cor. secs. 29 and 30, 26 ft N., 30 ft E. and 3.7 ft lower than private drive W., 3 ft W. of a fence, 1.5 ft W. of a telephone pole, set in a concrete post; a standard tablet stamped "8 KEE 1962"		1336.233
16.7 UE 8 KEE A, 0.6 mi N. of tablet, 317 ft N., 23 ft E. and 11.8 ft lower than rd. at E.-W. fence, on E. end of a 24-in. metal culvert; a punched hole		1313.79
17.8 UE 8 KEE B, 1.6 mi N. of tablet, 14 ft N., 64 ft E. and 1.7 ft lower than crossroads, on N. end of a 24-in. metal culvert; a punched hole		1311.49
18.6 UE 1 KEE B (described in Line 5)		1283.13