

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

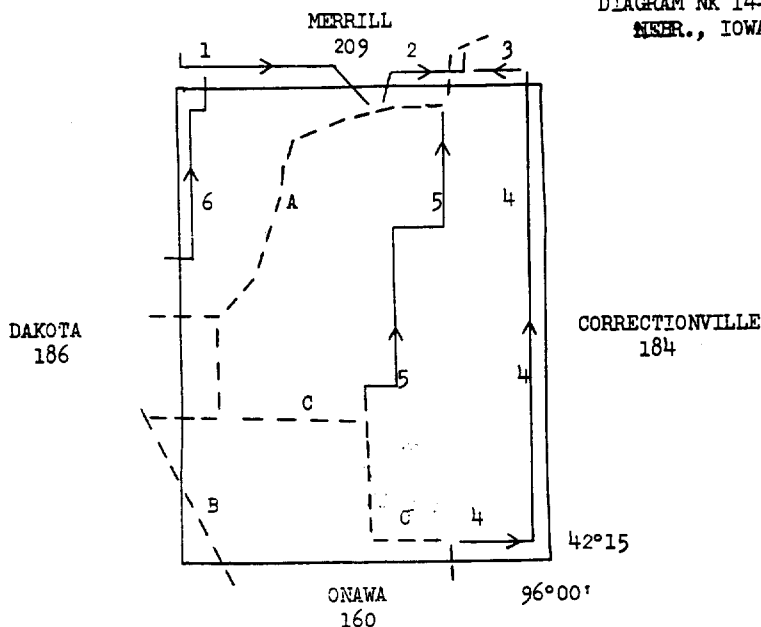
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MOVILLE QUADRANGLE
185 - IOWA
N4215-W9600/15
DIAGRAM NK 14-6, SIOUX CITY,
IOWA, SOUTH DAKOTA

Woodbury County

Edition of 11/26/62

PR: MLC:vdc



US&GS LEVEL LINES

- A. Fort Dodge to Sergeant Bluff, Iowa; 1933; First Order; Line No. 33
- B. St. Joseph, Missouri to Sioux City, Iowa, 1948; First Order; Line 77 Iowa
- C. Hornick Area, Iowa, 1949; Second Order; Line No. 98

LINE 1

Feet

NORTHWEST PORTION OF QUAD. EAST ALONG NORTH BORDER (J.A. Evans, 1957; CV 866)

MERRILL QUAD. - 209

- 12.4 Reference mark, 163 ft SW. of tablet; 55 ft S. and 123 ft E. of center of crossroads; in base of W. side of a 24-in. cottonwood tree, a copper nail and washer 1203.83
- 12.4 Lawton, 1.75 mi N. and 2.5 mi W. from, T. 89 N., R. 46 W., 32 ft N., 262 ft E. and 5.2 ft higher than center of crossroads; at approx. corner of secs. 23, 24, 25 and 26; 32 ft N. and 12 ft E. of center of rd. at fence line S.; opposite NE. corner of grove of trees, 3 ft W. of power pole and 1 ft S. of woven wire fence; in concrete post; a standard tablet stamped "36 EV 1957 1204" 1203.823
- 12.9 UE, 0.5 mi E. along gravel E.-W. sec.-line rd. from tablet; T. 89 N., R. 46 W., at approx. quarter corner between secs. 24 and 25; center of rd. at fence lines N.-S. 1218.4
- 13.4 UE, 0.95 mi E. along gravel E.-W. section-line rd. from tablet; T. 89 N., Rs. 45 and 46 W., 24 ft S., 24 ft E. and 0.9 ft lower than center of crossroads at approx. corner of secs. 19, 24, 25 and 30; in top of S. end of corrugated steel pipe 15-in. culvert; a painted square 1288.5
- 14.0 Lawton, 1.8 mi N. and 1.0 mi W. from; T. 89 N., R. 45 W., 32 ft N., 35 ft W. and 2.2 ft higher than center of rd. at fence line S.; at approx. $\frac{1}{4}$ cor. between secs. 19 and 30; 32 ft N. and 75 ft W. of center of rd. at private driveway N. to farmhouse, 89 ft S. and 60 ft W. of SW. corner of white farmhouse, 1 ft S. and 29 ft W. of corner fence post, at SW. corner of farmyard and 38 ft W. of high voltage power line; in a concrete post; a standard Iowa Geodetic Survey B.M. tablet stamped "97-511" (elev. by USGS) 1302.232

185A

LINE 1 (Cont'd)

MERRILL QUAD. - 209

Feet

- 14.4 Lawton, 1.75 mi N. and 0.5 mi W. from; T. 89 N., R. 45 W., 34 ft S., 305 ft W. and 37.2 ft higher than center of crossroads at approx. corner of secs. 19, 20, 29 and 30; 209 ft E. of corner post of T-fence S., 9 ft E. of telephone pole; 1 ft N. of fence line, on top of hill and 1 ft S. of edge of bank of steep cut of rd.; in a concrete post flush with ground, a standard I.G.S. B.M. Tablet stamped "97-510" (elev. by U.S.G.S.) 1267.715
- 14.8 Lawton, 1.75 mi N. and 0.1 mi W. from; T. 89 N., R. 45 W., 32 ft N. and 299 ft E. of center of rd., at fence lines N.-S.; at approx. W. sixteenth cor. between Secs. 20 and 29; at crest of a sharp point ridge, 66 ft E. of corner post of T-fence SE.; 24 ft E. of power pole, 7 ft N. and 17 ft E. of a 12-in. ash tree; 1 ft N. of fence line of 1 ft S. of steep bank of rd. cut; in a concrete post, a standard I.G.S. B.M. stamped "97-563" (elev. by U.S.G.S.) 1235.455
- 15.1 UE, 0.3 mi E. along gravel sec.-line rd. from I.G.S. B.M. "96-553", T. 89 N., R. 45 W., about 770 ft E. of approx. $\frac{1}{4}$ cor. between secs. 20 and 29; 13 ft S., 44 ft W. and 0.1 ft lower than center of bridge over Muddy Creek, in top of piling at SW. wingwall of bridge, a copper nail and washer 1178.08
- 15.5 UE, 0.7 mi E. along sec.-line gravel rd. from disk, T. 89 N., R. 45 W., 11 ft S., 89 ft E. and 0.1 ft higher than center of Co. Hwy. "P" at crossroads, at approx. corner of secs. 20, 21, 28 and 29, in wooden floor at SE. corner of a small wooden bridge over a small ditch, a copper nail and washer 1182.89
- 15.9 UE, 1.2 mi E. along sec.-line gravel rd. from disk, T. 89 N., R. 45 W., 339 ft W. and 33.8 ft lower than center of rd. at fence lines N. and S.; at center of rd. at private driveway N. to John Hinrich's farm 1225.86
- 16.3 UE, 1.5 mi E. along sec.-line gravel rd. from disk; T. 89 N., R. 45 W., about 0.2 mi W. of approx. corner of secs. 21, 22, 27 and 28; 11 ft S., 20 ft W. and 0.3 ft lower than center of small steel bridge over a creek, in top of piling at SW. wingwall of bridge; a copper nail and washer 1248.29
- 16.3 Lawton, 1.75 mi N. and 1.6 mi E. from, 34 ft S., 478 ft E. and 27.4 ft higher than center of crossroads, at approx. cor. of secs. 21, 22, 27 and 28, at crest of hill, 34 ft S. and 443 ft W. of center of rd. at corner of sec. 21, 22, 27 and 28; at crest of hill, 34 ft S. and 443 ft E. of center of rd. of private driveway N. to farmhouse, 447 ft E. of corner post of fences S. and E.; 23 ft E. of power pole and in S. right-of-way fence line; in a concrete post; a standard I.G.S. B.M. tablet stamped "97-57" and is buried about 0.1 ft (elev. by U.S.G.S.) 1322.023
- 16.8 UE, 0.5 mi E. along sec.-line gravel rd. from disk, T. 89 N., R. 45 W., 577 ft E. and 32 ft lower than center of rd. at fence lines N.; and S.; at approx. $\frac{1}{4}$ cor. between secs. 22 and 27; 13 ft N., 9 ft E. and 0.2 ft higher than center of small wooden bridge over a drain, in top of piling at NE. wingwall of bridge; a copper nail and washer 1293.71

MOVILLE QUAD. - 185

- 17.3 Merville, about 4.1 mi W. along the C., and N.W. RR. from; at milepost 84, at culvert 1701 and on the top of the NW. corner of the N. concrete headwall; a chiseled circle; (RR. has been abandoned but bridge was intact) "USC&GS B.M. 1701" 1263.902

LINE 2

EAST ALONG EAST PORTION OF NORTH BORDER (J.A. Evans, 1957; CV 866)

MOVILLE QUAD. - 185

0.0 "BR 1701" (described in Line 1)

1263.902

MERRILL QUAD. - 209

- 0.9 Lawton, 1.75 mi N. and 2.5 mi E. from, 1.0 mi N. and 3.0 mi W. of Merville, T. 89 N., R. 45 W., 137 ft N., 36 ft E. and 13.6 ft higher than center of crossroads; at approx. cor. of secs. 22, 23, 26 and 27; 107 ft N. of corner post of fences N.-E.; on S. slope of hill, 43 ft S. of power pole of lead into farmhouse and 1 ft E. of fence line; in concrete post; a standard I.G.S. B.M. tablet stamped "97-1477" (elev. by USGS) 1324.352

LINE 2 (Cont'd)	MERRILL QUAD. - 209	Feet
1.3 Merville, 1.0 mi N. and 2.7 mi W. of Merville, T. 89 N., R. 45 W., about 231 ft E. of W. sixteenth cor. between secs. 23 and 26, 1571 ft E. of crossroads, at crest of hill, 36 ft N. of center of the rd. and on edge of bank of deep cut in rd. and 3 ft S. and 54 ft W. of power pole and 3 ft S. of fence line; in a concrete post; a standard I.G.S. B.M. stamped "97-52" (elev. by U.S.G.S.)		1326.422
1.5 UE, 0.2 mi E. along E.-W. section-line gravel rd. from I.G.S. tablet; T. 89 N., R. 45 W., at approx. quarter cor. between secs. 23 and 26; center of rd. at fence lines N.-S.		1280.58
2.0 Merville, 1.0 mi N. and 2.0 mi W. from, T. 89 N., R. 45 W., 33 ft N., 321 ft E. and 5.7 ft higher than center of E.-W. gravel rd. at fence lines N.-S.; at approx. corner of secs. 23, 24, 25 and 26; 1 ft N. and 94 ft E. of telephone pole; on highest point of a small ridge, .5 ft N. of woven wire fence, in a concrete post flush with ground, a standard I.G.S. B.M. tablet stamped "97-50" (elev. by U.S.G.S.) (2.0 ft N. of steep bank of cut in rd.)		1267.809
2.2 UE, 0.2 mi E. along E.-W. gravel section-line rd. from I.G.S. tablet; T. 89 N., R. 45 W., at approx. W. sixteenth cor. between secs. 24 and 25; 13 ft N., 43 ft W. and 0.5 ft higher than center of wooden bridge over creek, in top of wooden piling at NW. wingwall of bridge; a copper nail and washer		1193.54
2.5 UE, 0.5 mi E. along E.-W. sec.-line gravel rd. from disk; T. 89 N., R. 45 W., 31 ft N., 42 ft E. and 1.1 ft higher than center of rd. at T-rd. N.; at approx. quarter corner between secs. 24 and 25, in top of E. end of a corrugated steel pipe 24-in. culvert; a painted square		1258.806
3.0 UE, 0.95 mi E. along E.-W. section-line gravel rd. from disk; T. 89 N., Rs. 44 & 45 W., 41 ft N., 22 ft E. and same elev. as center of rd. at fence rows N.-S.; at approx. corner of secs. 19, 24, 25 and 30; in top of wooden piling at SE. wingwall of small wooden bridge leading into field; a copper nail and washer		1167.67
3.5 UE, centerline; 1.5 mi E. along E.-W. sec.-line gravel rd. from disk; T. 89 N., R. 44 W., near approx. quarter corner between secs. 19 and 30; center of Co. Hwy. "T" on curve of a gravel rd. fork W.; in blacktop rd.; a copper nail and washer		1251.49
4.0 UE, 1.5 mi E. along E.-W. sec.-line rd. thence 0.5 mi E. along Co. Hwy. "T" from disk; T. 89 N., R. 44 W., 15 ft S., 35 ft E. and 0.7 ft higher than center of Co. Hwy. "T" at fence row N., at approx. corner of secs. 29, 30, 31 and 32; 15 ft S., 86 ft W. and 0.2 ft higher than center of bridge over W. fork of Little Sioux River, in top of wooden piling at SW. wingwall of bridge; a copper nail and washer		1156.43
4.6 UE, 2.6 mi E. along sec.-line rds. from disk; T. 89 N., R. 44 W., about 400 ft E. of approx. $\frac{1}{4}$ cor. between secs. 20 and 29; center of State Hwy. 140 at crossroads; in concrete pavement; a chiseled square		1167.9
4.9 Reference mark, 246 ft S. of tablet; 71 ft N. and 31 ft W. of center of crossroads; in base of SE. side of a power pole; a RR. spike		1179.79
5.0 Merville, 1.0 mi N. and 0.9 mi E. from; T. 89 N., R. 44 W., 317 ft N., 26 ft W. and same elev. as center of crossroads; at approx. corner of secs. 20, 21, 28 and 29; 321 ft S. and 26 ft W. of center of rd. at fence line E.; opposite NW. corner of a grove of trees, around farmhouse, 105 ft S. and 6 ft E. of second power pole N. of crossroads and 1 ft E. of fence line; in concrete post; a standard tablet stamped "37 EV 1957 1179"		1178.795
5.8 Merville, about 2.0 mi NE. along the C. & N.W. RR. from; about 130 ft NE. of milepost 78; 40.5 ft NW. of the center of the track, 25 ft NE. of the center of a farm rd. crossing and 22.5 ft SW. of a pole, a standard disk stamped "1189.250 P 14 1933" and set in the top of a concrete post; USC&GS post		1189.250

MOVILLE QUADRANGLE
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<u>LINE</u>	<u>LINE 3</u>	<u>Feet</u>
	WEST ALONG EAST PORTION OF NORTH BORDER (J.A. Evans, 1957; CV 866)	
	<u>MERRILL QUAD. - 209</u>	
5.0	Reference mark, 214 ft W. of tablet "97-1349" 50 ft S. and 17 ft E. of center of crossroads, in top of E. end of a concrete pipe 30-in. culvert; a chiseled square	1366.40
5.0	Moville, 1.0 mi N. and 3.9 mi E. of; T. 89 N., R. 44 W., 35 ft S., 229 ft E. and 7.8 ft higher than center of crossroads; at approx. corner of secs. 23, 24, 25 and 26; 197 ft E. of corner post of fences S.-E.; 197 ft W. of corner post of T-fence S.; on E. break of small ridge, 1 ft N. and 2 ft W. of power line pole and 1 ft S. of fence line; in concrete post; a standard tablet stamped "40 EV 1957 1274" (erroneously stamped 1274)	1375.824
5.6	Moville, 1.0 mi N. and 3.4 mi E. from, T. 89 N., R. 44 W., 25 ft S., 19 ft E. and 1.4 ft higher than E.-W. section-line rd. at fence lines N.-S., at approx. quarter cor. between secs. 23 and 26, 2 ft S. and 19 ft E. of corner post of T-fence S.; 25 ft S. and 165 ft E. of center of rd. at private driveway NW. to farmhouse, 2 ft S. of fence line with 3-in. square metal marker attached, in concrete post buried 0.1 ft a standard I.G.S. B.M. tablet stamped "97-1451" (elev. by U.S.G.S.)	1301.261
6.1	Moville, 1.0 mi N. and 2.9 mi E. from, T. 89 N., R. 44 W., 101 ft S. and 37 ft W. and 1.7 ft higher than center of crossroads; at approx. corner of secs. 22, 23, 26 and 27; 9 ft N. and 3 ft W. of power pole at T-intersection of power line, 1 ft W. of fence line with 3-in. square metal marker tag attached, in a concrete post; buried about 0.2 ft a standard I.G.S. B.M. stamped "97-1448" (elev. by U.S.G.S.)	1260.512
6.6	UE, 0.5 mi W. along sec.-line gravel rd. from disk, T. 89 N., R. 44 W., at approx. $\frac{1}{4}$ cor. between secs. 22 and 27; center of rd. at fence line N.	1223.8
7.1	UE, 1.0 mi W. along sec.-line gravel rd., from disk; T. 89 N., R. 44 W., 166 ft S., 14 ft E. and 0.8 ft higher than center of crossroads, at approx. corner of secs. 21, 22, 27 and 28; 41 ft N., 14 ft E. and 1.7 ft lower than center of wooden bridge over Mc Elhansy Creek, in top of piling at NW. wingwall of bridge; a copper nail and washer	1202.99
7.6	UE, 1.5 mi W. along sec.-line gravel rd. from disk, T. 89 N., R. 44 W., at approx. $\frac{1}{4}$ cor. between secs. 21 and 28; center of rd. at fence line N.	1190.9
8.2	"37 EV 1957" (described in Line 2)	1178.795

LINE 4

EAST ALONG SOUTH PORTION OF EAST BORDER THENCE NORTH ALONG EAST BORDER (R.W. Sidle, 1962; CV 1480)

MOVILLE QUAD. - 185

1 2	0.0 Holly Springs, at the consolidated schoolhouse, 2.0 ft E. of the SW. corner of and set vertically 3.0 ft above the ground level in the S. wall of the school bldg. a US&GS standard disk stamped "V 152 1959"	1077.846
1.3	UE, 1.3 mi E. of disk; on hwy. 141; 29.1 ft NE. of intersection of Hwy. 141 and T-rd. S.; 10.2 ft N. of center of hwy. 141; 1.6 ft E. of NW. bridge corner; in center of bridge curb; a chiseled square; painted	1083.89
3	2.1 UE, 2.1 mi E. on hwy. 141 from disk; at the crest of a hill; 32.5 ft E. and 31.2 ft S. of the intersection of hwy. 141 and a T-rd. N.; approximately 8 ft below the level of the rd., in the center of the S. headwall of a 3 x 3 ft concrete culvert; a chiseled square; painted	1183.12
4	3.2 Holly Springs, 3.2 mi E. of; 0.8 mi S. of on hwy. 141; T. 86 N., R. 45 W., on the line between secs. 13 and 18; 42.6 ft S. and 25.5 ft W. of intersection of hwy. 141 and a T-rd. S.; 2 ft S. of a power line pole; in a concrete post; projecting 3-in. above ground; a standard tablet stamped "24 RS 1962" painted	1144.816

LINE 4 (Cont'd)	MOVILLE QUAD. - 185	Feet
1 6 4.2 UE, 4.2 mi E from Holly Springs, 1.0 mi E. of tablet; 36.6 ft W. and 17.4 ft N. of the intersection of hwy. 141 and gravel rd. N.; in the center of the N. headwall of a 2 x 2 ft concrete culvert; a chiseled square; painted		1220.22 1250.22
8 5.3 UE, Holly Springs; 4.0 mi E. and 0.5 mi N. from; 34.8 ft S. and 32.7 ft E. of the intersection of a N.-S. rd. and a T-rd. E.; about 5 ft higher than the crest of the N.-S. rd., a RR. spike in a telephone pole; painted		1336.72
10 6.2 Holly Springs, 4.0 mi E. and 1.5 mi N. of; on a line between secs. 5 and 6; T. 86 N., R. 44 W.; approx. 70 yards S. of the intersection of a gravel rd. N.-S. and a private drive E.; 33.5 ft E. of the center of the N.-S. rd. at the crest of a hill; 1.1 ft E. of a N.-S. fence; 1.1 ft N. of an E.-W. fence; in a concrete post; projecting 5-in. above ground; a standard disk stamped "25 RS 1962" painted		1257.093
12 7.3 UE, 1.1 mi N. of tablet; approx. 118 yards S. of the crest of a N.-S. rd., 32 ft W. of the center of the N.-S. rd.; approx. 3 ft below the level of the rd., 1.6 ft above ground; in line with a N.-S. fence; a RR. spike; in a power pole; painted		1166.50
13 7.8 UE, 1.7 mi N. of tablet; 42.5 ft S. and 25 ft E. of the intersection of hwy. 13 and a N.-S. gravel rd.; on the E. end of a 3 ft round concrete culvert; a chiseled square; painted		1115.81
14 8.5 UE, 2.3 mi N. of 25 RS., 66 ft S. of intersection of a N.-S. rd. and a T-rd. E.; 29 ft E. of the center of the N.-S. rd. about level with the rd., in the SW. root of a 36-in. cottonwood tree, a copper nail and washer; painted		1139.32
16 9.3 Holly Springs, 4.0 mi E. and 4.7 mi N. of; on a line between secs. 19 and 20; T. 87 N., R. 44 W., approx. 26 yds. N. and 17 yds. E. of the intersection of a N.-S. rd. and a private drive E., 3.1 ft E. of center of fence corner post; 0.7 ft S. of an E.-W. fence, in a concrete post; projecting 2-in. above the ground; a standard disk stamped "26 RS 1962" painted		1248.692
18 10.1 Climbing Hill, 4.0 mi E. and 0.4 mi N. of; on a line between secs. 17 and 18; T. 87 N., R. 44 W., 71 ft WNW. of a powerline pole with a triangle blaze, 36 ft W. of the center of the N.-S. rd., 2.5 ft W. of a right-of-way fenceline; in a concrete post; set flush with the ground; a standard disk stamped "VIEW 1950" USC&GS		1349.726
10.1 Reference mark No. 1 is 35 ft W. of the center of a rd. and 1 ft W. of a right-of-way fenceline; The mark projects about 2-in. and the disk is stamped "VIEW NO 1 1950"		1350.050
10.1 Reference mark No. 2 is 34 ft W. of the center of a rd. and 2 ft W. of a right-of-way fence line; The mark projects about 2-in. and the disk is stamped "VIEW NO 2 1950"		1349.672
20 11.1 UE, 1.1 mi N. of station; 27.5 ft W. of the center of a N.-S. rd., 13 ft N. of a private entrance W., 5 ft E. of the SE. yard fence corner; about 3 ft below the level of the rd., 3-in. from the N. end of a concrete culvert; a chiseled square; painted		1178.57
21 12.1 UE, 2.1 mi N. of station; 17 ft E. of the center of the N.-S. rd., 4-in. from the E. end of a 2 ft concrete tile culvert; a chiseled square; painted		1211.09
22 13.1 Reference mark, 265 ft S. of "27 RS" 26 ft E. of the center of a N.-S. rd., 4-in. from the E. end of a 4 ft metal culvert; a chiseled square; painted		1273.63
23 13.1 Anthon, 6.3 mi W. and 0.7 mi N. of; in the NW. corner of sec. 32; T. 88 N., R. 44 W., 265 ft N. of the reference mark, 38 ft E. of the center of the N.-S. rd., 13 ft N. of the center of a field entrance E., 2 ft N. of a N. gate post; 1.1 ft E. of a N.-S. fence; in a concrete post; projecting 4-in. above ground; a standard disk stamped "27 RS 1962"		1286.528
25 14.2 UE, 1.0 mi N. of tablet; 31 ft W. of the center of a N.-S. rd., 13 ft S. of the center of a private entrance E. to the Art Klein farm, 4-in. from the S. end of a concrete tile culvert; a chiseled square; painted		1335.86

MOVILLE QUADRANGLE
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LINE 4 (Cont'd)

MOVILLE QUAD. - 185

Feet

- 1 27 15.2 UE, 2.1 mi N. of tablet; 32 ft W. of the center of the N.-S. rd. at a T-rd. E.; approx. 1 ft higher than the T-rd.; a Rail spike in an electric line pole; painted 1347.80
- 29 16.4 Moville, 4.0 mi E. and 2.5 mi S. of; in the NW. corner of sec. 18; T. 88 N., R. 44 W., approx. 193 yards N. of a T-rd. W.; approx. 104 yards N. of a private entrance W., approx. 28 yards NE. of the NE. corner of a 2 story white house; 47.3 ft W. of the center of the N.-S. rd., 12.6 ft W. of the SE. corner post of an orchard, 12 ft E. of a 2 ft walnut tree; 1.5 ft S. of an E.-W. fence; in a concrete post; projecting 3-in. above ground; a standard disk stamped "28 RS 1962" painted 1399.763
- 31 17.5 UE, 1.1 mi N. of tablet; approx. 440 yds. S. of a crossroad; 10.5 ft E. of center of N.-S. rd. at the N. end of the SE. bridge abutment; in center of bridge curb; a chiseled square; painted 1263.54
- 32 18.4 UE, 2.1 mi N. of tablet; about 20 yards S. of private entrance W. of the center of N.-S. rd.; in line with the N. end of a dwelling; on the W. end of an 18-in. round concrete tile culvert; a chiseled square; painted 1315.14
- 34 19.3 Moville, 4.0 mi E. and 0.2 mi S. of; in the SE. corner of sec. 35; T. 89 N., R. 44 W.; approx. 27 yards E. and 8 yards S. of the SE. corner of the Keith Haddock home; about 16 yards NW. of the intersection of the N.-S. rd. and the private entrance W.; 1.7 ft W. of a telephone pole; in a concrete post; projecting 4-in. above ground; a standard disk stamped "29 RS 1962" 1377.761
- 35 20.0 UE, 0.8 mi N. of tablet; 61 ft N. and 19 ft E. of the center of the crossroads; 3-in. from the E. end of an 18-in. concrete tile culvert; a chiseled square; painted 1399.25

MERRILL QUAD. - 209

- 36 21.0 Moville, 1.0 mi N. and 3.9 mi E. from; T. 89 N., R. 44 W., 229 ft E. and 35 ft S. from the center of the crossroads; at the approx. corner of sections 23, 24, 25 and 26; 197 ft E. of corner post of fences S. and E.; 197 ft W. of corner post of T-fence S.; on E. break of a small ridge; 1.0 ft N. and 2 ft W. of a power line pole; 1.0 ft S. of a fence line; in a concrete post; a standard tablet stamped "40 EV 1957 1274" (erroneously stamped) 1375.824

LINE 5

NORTH THRU CENTER OF QUAD. (R.W. Sidie, 1962; CV 1480)

MOVILLE QUAD. - 185

- 2 2 0.0 Reference mark No. 1 is 129.02 ft S. of the station; and 49.5 ft W. of a N.-S. fence line; It is about 5 ft lower in elevation than the station mark and a slope measurement was made. The mark projects 6-in. and the disk is stamped "WASHBURN NO 1 1934" USC&GS R.M. 1406.004
- 0.0 The station is located about 4.5 mi N. of the small village of Holly Springs and 0.6 mi E. of State Hwy. 141. It is on a high hill with bluffs to the W., a cultivated field to the E. and 45 ft W. of a N.-S. fence line; The mark projects 7-in. and the disk is stamped "WASHBURN 1934" 1411.143
- 0.0 A traverse connection was made from station WASHBURN 1934 to Mo. River Co.) HEDGES and it is 20.46 ft ESE of the station 1413.024
- 3 1.2 UE, 2.5 mi W. and 1.5 mi S. from Climbing Hill, near the top on the N. slope of a hill; 27.5 ft E. of the center of a N.-S. gravel rd., 17.3 ft S. of a fence E., 4.6 ft W. of the S. gatepost at a field entrance E.; 8-in. from the S. end of a concrete tile culvert; a chiseled square; painted 1327.98
- 5 3.1 UE, 1.1 mi S. from "30 RS., near the bottom of a hill, about 25 yards E. of the E. side of an abandoned house; 19 ft W. of the center of a N.-S. dirt rd., 11.8 ft S. of the center of a private drive W., in the S. end of a concrete tile culvert; a chiseled square; painted 1188.71

Line 5 (Cont'd)

MOVILLE QUAD. - 185

Feet

2 8 4.1	Reference mark, 280 ft WSW. from tablet; 20 ft W. from the E. end of a concrete water outlet pipe; 6-in. from the SE. corner of the pipe support block; a chiseled square painted	1186.59
9 4.2	Climbing Hill, 2.0 mi W. and 0.5 mi N. of; center offline between secs. 17 and 18; T. 87 N., R. 45 W., 280 ft ENE. from a reference mark, 39.5 ft W. of the center of a N.-S. dirt rd., 2.5 ft N. of a N. gate post; 1.0 ft W. of a N.-S. fence; in a concrete post; projecting 3-in. above ground; a standard tablet stamped "30 RS 1962" painted	1195.478
11 5.3	UE, 1.1 mi N. from tablet; 28 ft E. of center of a N.-S. gravel rd., 15 ft S. of the center of a private drive E.; 6-in. from the S. end of a 2 ft concrete tile culvert; a chiseled square; painted	1287.08
14 6.3	UE, 2.2 mi N. from tablet; approx. 51 yards N. from a private drive W. to the D.O. Lahrman farm; 17.5 ft W. of the center of the N.-S. gravel rd., in the center of the W. headwall of an 8 x 8 ft concrete culvert; a chiseled square; painted	1222.46
16 7.3	Climbing Hill, 2.0 mi W. and 4.0 mi N. of; on the line between secs. 31 and 32; T. 88 N., R. 45 W.; approx. 50 yards S. of the crest of a N.-S gravel rd., 41 ft E. of the center of the rd., 8 ft E. of a T-fence E.; 1.0 ft N. of the E.-W. fence; in a concrete post; projecting 4-in. above ground; a standard tablet stamped "31 RS 1962" painted	1366.441
18 8.4	UE, 1.0 mi N. along gravel rd. from tablet; 24 ft E. of the center of the N.-S. gravel rd. about 5.5 _____ below the level of the rd., 5-in. from the E. end of a 3.5 ft metal culvert; a chiseled square; painted	1293.40
19 9.2	UE, 1.9 mi N. along a gravel rd. from tablet; 40 ft S. of the corner fence post in the SW. field corner; 28.5 ft E. of the center of the rd., 11.5 ft S. of the center of a field entrance E.; about 3 ft below the rd. level; 2-in. from the S. end of a concrete tile culvert; a chiseled square; painted	1299.09
22 9.6	UE, 0.7 mi S. of "32 RS" 15.5 ft W. of the center of N.-S. rd., in the W. headwall of a 6 x 6 ft concrete culvert; a chiseled square; painted	1251.41
25 10.3	Moville, 3.0 mi S. and 2.0 mi W. of; on the line between secs. 17 and 18; T. 88 N., R. 45 W.; 0.2 mi S. of a T-rd. S.; 330 ft S. of a reference mark; 395 ft W. of center of N.-S. rd., 22.0 ft S. of a field entrance W.; 9.4 ft S. of the S. gate post 1.5 ft W. of a fence; in a concrete post; 6-in. above ground a standard disk stamped "32 RS 1962"	1336.061
25 10.3	Reference mark, 330 ft N. of tablet; 23 ft W. of the center of a N.-S. rd.; 6-in. from the W. end of a 2 ft metal culvert; a chiseled square; painted	1325.91
28 11.3	UE, 0.5 mi N. and 0.5 mi E. of tablet; approx. 20 yards E. of a T-fence N.; 26 ft W. of center of field entrance S.; 18 ft S. of center of E.-W. rd.; 4-in. from the S. end of a 2.5 ft metal culvert; a chiseled square; painted	1184.80
29 12.4	Moville, 2.5 mi S. of, thence 0.2 mi W. from a crossroad; approx. 25 yards E. of a field entrance S., 22.5 ft S. of center of E.-W. rd., 1.8 ft from the S. end of a four foot round metal culvert; a chiseled square; painted	1172.10
30 13.1	Moville, 2.5 mi S. of along hwy. 140; T. 88 N., R. 44 W., on the line between secs. 9 and 10; 37 ft W. of center of N.-S. rd., 2.9 ft S. of an electric line pole in line with an E.-W. hilline crossing; 1 ft W. of a fence; in a concrete post; a standard disk; stamped "33 RS 1962"	1248.090
31 13.7	UE, 0.6 mi N. of tablet; 29 ft W. of the center of N.-S rd.; in the center of the wingwall of a 12 x 12 ft concrete culvert; a chiseled square; painted	1179.96
32 14.6	UE, 1.0 mi S. of "Q 14" 18.5 ft W. of the center of N.-S. rd., in the SW. wingwall of a concrete bridge; in the center of the wingwall; 1.0 ft from the SW. end of the wingwall; a chiseled square; painted	1146.58

MOVILLE QUADRANGLE
185 - IOWA

<u>LINE 5 (Cont'd)</u>	<u>MOVILLE QUAD. - 185</u>	<u>Feet</u>
2 33 15.6	Moville, at; about 194 ft SW. of the S.W. end of the C. and N.W. RR. station, about 60 yards NE. of the middle of the Standard Oil Co. storage tanks; 34.8 ft NW. of the center of the S. side track; 17.2 ft SE. of the center of the main track and 11 ft SW. of a pole; in a concrete post projecting 2-in. above ground; a standard disk stamped "1148.062 Q 14 1933"	1148.062

LINE 6

<u>NORTH ALONG NORTH PORTION OF WEST BORDER (R.W. Sidie, 1962; CV 1484)</u>	<u>MOVILLE QUAD. - 185</u>	
1 57 6.2	Reference mark, 74 ft N. and 24 ft E. of the center of crossroads; 51 ft SSW. of tablet; 1.0 ft from the E. end of a 5 ft round metal culvert; a chiseled square; painted	1126.07
6.2	Bronson, 2.0 mi W. and 2.5 mi N. of; in the SW. corner of sec. 7, T. 88 N., R. 46 W., approx. 39 yards N. of the center of crossroads; 51 ft NNE. of a reference mark; 32 ft E. of the center of N.-S. rd., 4.5 ft N. of the N. gate post of field entrance E.; 7-in. E. of the N.-S. fence; in a concrete post projecting 6-in. above ground; a standard tablet stamped "35 RS 1962" painted	1127.174
59 7.2	UE, 1.0 mi N. of tablet; 49 ft S. and 20 ft W. of the center of a crossroads; 5-in. from the W. end of a 3 ft metal culvert; a chiseled square; painted	1187.10
61 8.2	UE, 2.0 mi N. of tablet; about 42 yards S. of Hwy. 20; 48 ft S., of the center of a new E.-W. rd. bed, 38 ft E. of a N.-S. rd. in the center of the S. headwall of a 6 x 6 ft concrete culvert; a copper plug "I.H.C. BMT"	1144.21
2 9.2	Lawton, 3.5 mi W. and 1.0 mi N. of; in the corner of secs. 26, 27, 34 and 35; T. 89 N., R. 46 W., in line with a T-rd. E.; 48 ft W. of center of T-rd. E.; 13.4 ft W. of a telephone pole; 1.0 ft N. of a yard fence; in a concrete post; projecting 6-in. above ground; a standard tablet stamped "36 RS 1962"	1150.660
64 10.2	UE, 1.0 mi N. of tablet; 34.5 ft SW. of the center of a crossroad; 12.5 ft NE. of a power pole; 7-in. from the W. end of a 3 ft metal culvert; a chiseled square; painted	1230.00
	<u>MERRILL QUAD. - 209</u>	
66 11.2	"36 EV 1957 1204" (described in Line 1)	1203.823