

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

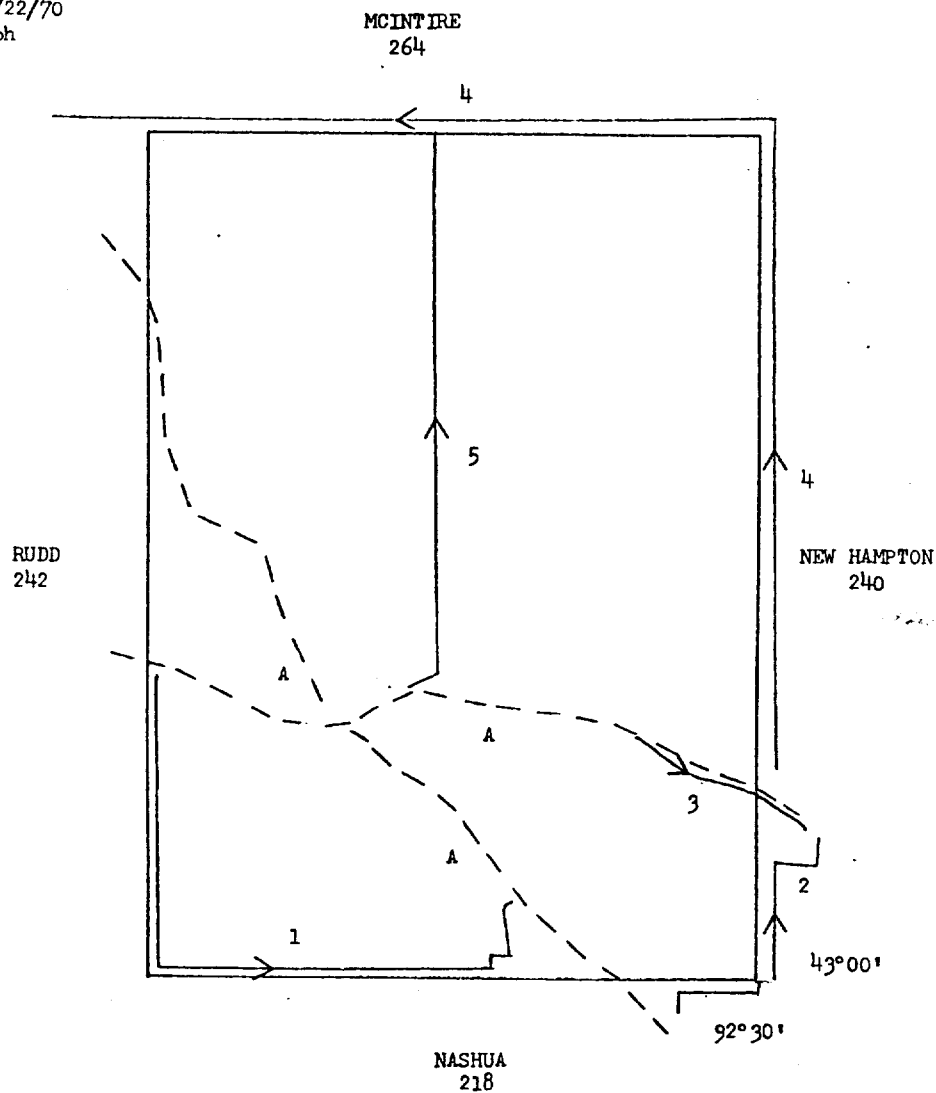
Final Adjustment of 1970

Chickasaw, Floyd, Howard, and
Mitchell Counties

Edition of 4/22/70
PR: ADP/GH/ph

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CHARLES CITY QUADRANGLE
241 - IOWA
N4300-W9230/15
DIAGRAM NK 15-2
MASON CITY



USC&GS VERTICAL CONTROL DATA

A. Quadrangle No. 430923

241-B

LINE 1

FEET

C. L. Crutchfield, 1969; Book CV-2434

CHARLES CITY QUAD. - 241

- 2 4 0.0 About 8.1 mi E. along the Chicago, Milwaukee, St. Paul & Pacific RR. from the station at Rudd, Floyd County, about 0.5 mi W. of the station at Floyd Crossing, about 48 yards W. of a switch located on the W. end of a sidetrack, 47.4 ft S. of the S. rail, and 1.8 ft N. of the right-of-way fence, a standard USC&GS disk stamped "K 36 1934" and set in the top of a concrete post projecting about 7 in. above ground 1066.212
- 4 0.2 UE K A; 0.2 mi S. along a fence line from tablet; near the center of secs. 32 and 33; T. 96 N., R. 16 W., 44 ft S. and 34 ft E. and 2.6 ft lower than T-rd. S., on the N. side of a power pole, a rail spike, painted "UE K A" 1062.98
- 5 1.3 UE K B; 1.3 mi S. along a co. rd. from tablet; 112 ft S. and 26 ft E. and 5.6 ft lower than T-rd. E., on the W. side of a power pole, a rail spike, painted "UE K B" 1062.53
- 6 2.3 UE K C; 2.3 mi S. along a co. rd. from tablet; a large chiseled "X" in center St. Hwy. 14, in the center of secs. 8 and 9; T. 95 N., R. 16 W. 1098.30
- 7 2.4 Charles City, 1.0 mi S. and 4.0 mi W. of; from center of town, near the center of secs. 8 and 9, T. 95 N., R. 16 W., 740 ft E. and 23 ft N. and 5.9 ft lower than crossroads, top of the N. end of a concrete tile culvert, a standard tablet stamped "13 CLC 1969 1092" 1092.356
- 9 3.6 UE 13 A; 1.0 mi S. along a co. rd. from tablet; 34 ft N. and 17 ft W. and 3.2 ft lower than crossroads, top of the W. end of a metal corrugated culvert, a punched hole, painted "UE 13 A" 1080.49
- 10 4.6 UE 13 B; 2.0 mi S. along a co. rd. from tablet; 12 ft S. and 30 ft W. and 3.4 ft lower than T-drive E., on the E. side of a power pole, a rail spike, painted "UE 13 B" 1104.51
- 11 5.2 Oakwood, 1.0 mi N. and 1.0 mi E. of; near the cor. of secs. 20, 21, 28 and 29; T. 95 N., R. 16 W., 189 ft S. and 10 ft W. and 0.9 ft lower than the center of the S. rail of the Charles City Western RR. in the center of the W. headwall of a concrete box culvert, a standard tablet stamped "14 CLC 1969 1107" 1106.852
- 12 5.2 Reference Mark, 21 ft E. and .054 ft higher than tablet, in the center of the E. headwall of a concrete box culvert, a chiseled square, painted "RM" 1106.91
- 13 6.1 UE 14 A; 0.9 mi S. along a co. rd. from tablet; 42 ft N. and 22 ft E. and 3.4 ft lower than crossroads, top of the E. end of a metal corrugated culvert, a punched hole, painted "UE 14 A" 1091.54
- 14 7.1 UE 14 B; 1.9 mi S. along a co. rd. from tablet; 12 ft N. and 51 ft E. and 0.5 ft lower than T-rd. N., top of the NW. concrete bridge abutment, a chiseled square, painted "UE 14 B" 1048.41
- 15 8.1 UE 14 C; 1.9 mi S. and 1.0 mi E. along a co. rd. from tablet; a rail spike in center of Co. Hwy. T-47 and an E.-W. gravel rd., painted "UE 14 C" 1098.95
- 16 8.4 Oakwood, 1.0 mi S. and 2.3 mi E. of; 0.3 mi E. of cor. of secs. 3, 4, 33 and 34, Ts. 94 and 95 N., R. 16 W., 1450 ft E. and 14 ft S. of crossroads, 0.1 ft higher than center E.-W. rd. at a drain crossing, in the center of the S. headwall of a concrete box culvert, a standard tablet stamped "15 CLC 1969 1077" 1077.423
- 17 8.4 Reference Mark, 27 ft N. and normal to tablet; in the center of the N. headwall of a concrete box culvert, a chiseled square, painted "RM" 1077.45

LINE 1 (Cont'd)

FEET

CHARLES CITY QUAD. - 241

2 18 9.1	UE 15 A; 0.7 mi E. along a co. rd. from tablet; 33 ft S. and 30 ft E. and 1.4 ft lower than T-rd. S., near the base of an iron cor. fence post filled with concrete and leaning to the S., top of a large square-headed bolt screwed into the N. side of the fence, painted "UE 15 A"	1103.09
19 10.1	UE 15 B; 1.7 mi E. along a co. rd. from tablet; 18 ft S. and 28 ft E. and 3.1 ft lower than crossroads, top of the S. end of a concrete tile culvert, a chiseled square, painted "UE 15 B"	1084.15
20 11.2	Oakwood, 1.0 mi S. and 5.0 mi E. of; 0.1 mi N. of the cor. of secs. 1, 6, 31 and 36; T. 94 and 95 N., R. 15 and 16 W., 536 ft N. and 28 ft E. of crossroads, 4.1 ft lower than center N.-S. paved co. hwy. at a small drain crossing, top of the E. end of a concrete tile culvert, a standard tablet stamped "16 CLC 1969 1097"	1097.006
21 11.2	Reference Mark, 56 ft W. and 0.3 ft higher than tablet, top of the W. end of a concrete tile culvert, a chiseled square, painted "RM"	1097.28
22 12.3	UE 16 A; 1.0 mi E. along a co. rd. from tablet; 18 ft N. and 282 ft E. and 5.5 ft lower than crossroads, in the center of a concrete box culvert, a chiseled square, painted "UE 16 A"	1054.06
23 13.3	UE 16 B; 2.0 mi E. along a co. rd. from tablet; 31 ft N. and 34 ft W. and 4.2 ft lower than crossroads; at a cor. fence post, in the SE. cor. of a concrete slab, a chiseled square, painted "UE 16 B"	1046.57
24 14.3	UE 16 C; 3.0 mi E. along a co. rd. from tablet; 21 ft S. and 37 ft E. and 4.5 ft lower than crossroads, on the S. end of a metal corrugated culvert, a punched hole, painted "UE 16 C"	1069.97
25 14.7	Oakwood, 1.0 mi S. and 8.4 mi E. of; 0.4 mi E. of the cor. of secs. 3, 4, 33 and 34, T. 94 and 95 N., R. 15 W., 22 ft N. and 74 ft E. and 2.9 ft lower than T-field entrance S., near the middle of the E. cor. of a large boulder, a standard tablet stamped "17 CLC 1969 1027"	1026.926
26 14.7	Reference Mark, 80 ft SW. and 1.7 ft lower than tablet; 29 ft S. and 12 ft E. of field entrance S., top of the E. end of a metal corrugated culvert, a punched hole, painted "RM"	1025.21
27 15.1	UE 17 A; 0.4 mi E. along a co. rd. from tablet; 50 ft SE. and 41 ft W. and 5.3 ft lower than the jct. of U. S. 218 and Co. Hwy. B 59, in the center of the SW. concrete box culvert, a copper rivet set in concrete, painted "UE 17 A"	1000.61
28 16.0	UE 17 B; USGS Water Resources levels, T. 95 N., R. 15 W., NE. cor. sec. 34, 3 mi S. and 3.5 mi E. of Charles City, on NE.-SW. co. rd. from Carville to Hwy. 218; chiseled square on downstream left pneumatic pier, 102 ft NE. and 10 ft W. and 4.0 ft lower than center bridge over Cedar River (NOTE: Chiseled square is on NW. cor. of the steel plate)	976.60
30 17.2	UE 17 C; near the center of secs. 22 and 27, T. 95 N., R. 15 W., 26 ft N. and 58 ft E. and 1.7 ft lower than T-rds., top of the E. end of a metal corrugated culvert, a punched hole, painted "UE 17 C"	1072.03
31 17.7	UE 17 D; near the cor. of secs. 22, 23, 26 and 27; T. 95 N., R. 15 W., center E.-W. rd. at RR. crossing, top of the W. rail, painted "UE 17 D"	1023.15

LINE 1 (Cont'd)

FEET

CHARLES CITY QUAD. - 241

- 2 32 17.9 About 6.1 mi N. along the Illinois Central RR. from the station at Nashua, Chickasaw County, about 256 yards N. of wooden trestle, C-36-1; 45.5 ft E. of the E. rail, and 2.3 ft W. of the right-of-way fence, a standard USC&GS disk stamped "V 39 1934" and set in the top of a concrete post projecting about 6 in. above ground 1013.584

LINE 2

C. L. Crutchfield, 1969; Book CV-2434

NASHUA QUAD. - 218

- 2 34 0.0 About 2.2 mi N. along the Illinois Central RR. from the station at Nashua, Chickasaw County, about 70 ft NW. of a section rd. crossing, 43.3 ft W. of the W. rail, and 3.9 ft E. of the right-of-way fence, a standard USC&GS disk stamped "T 39 1934" and set in the top of a concrete post projecting about 6 in. above ground 981.819
- 34 0.2 UE T A; 0.2 mi E. along a co. rd. from tablet; 23 ft S. and 23 ft W. and 3.4 ft lower than crossroads, top of the W. end of a concrete tile culvert, a chiseled square, painted "UE T A" 980.74
- 35 1.2 Nashua, 3.0 mi N. of; near the cor. of secs. 5, 6, 31 and 32; T. 94 and 95 N., R. 14 W., 28 ft S. and 24 ft W. and 3.5 ft lower than crossroads, top of the W. end of a concrete tile culvert, a standard tablet stamped "18 CLC 1969 1002" 1002.089
- 36 1.2 Reference Mark, 48 ft E. and 1.3 ft higher than tablet, in top of the E. end of a concrete tile culvert, a chiseled square, painted "RM" 1003.41
- 37 2.2 UE 18 A; 1.0 mi E. along a co. rd. from tablet; 27 ft S. and 16 ft E. and 1.5 ft lower than crossroads, top of the E. end of a metal corrugated culvert, a punched hole, painted "UE 18 A" 993.24
- 38 2.5 UE Centerline, 1.3 mi E. along a co. rd. from tablet; center of a wooden bridge over Little Cedar River, a rail spike, painted "UE Centerline" 973.7
- 39 2.9 UE 18 B; 1.6 mi E. along a co. rd. from tablet; 29 ft S. and 17 ft W. and 6.2 ft lower than crossroads, top of the W. end of a metal corrugated culvert, a punched hole, painted "UE 18 B" 981.37

NEW HAMPTON QUAD. - 240

- 40 3.9 UE 18 C; 0.3 mi S. of the cor. of secs. 27, 28, 33 and 34, T. 95 N., R. 14 W., 27 ft SE. and 11 ft E. and 1.8 ft lower than T-field entrance SE. leading in a field, top of the NE. end of a metal corrugated culvert, a punched hole, painted "UE 18 C" 1011.34
- 41 4.4 Bradford, 3.3 mi N. and 0.5 mi E. of; 0.3 mi N. of the cor. of secs. 27, 28, 33 and 34, T. 95 N., R. 14 W.; 13 ft E. and 1.3 ft higher than center N.-S. gravel rd. and an E.-W. drain crossing, in the center of the E. headwall of a concrete box culvert, a standard tablet stamped "19 LC 1969 1025" 1024.625
- 42 4.4 Reference Mark, 25 ft W. and 0.7 ft lower than tablet, in the center of the W. headwall of a concrete box culvert, a chiseled square, painted "RM" 1023.90
- 43 5.1 UE 19 A; 0.7 mi N. along a co. rd. from tablet; 34 ft S. and 28 ft E. and 1.7 ft higher than T-rd. E., on the NW. side of a cor. fence post, a rail spike, painted "UE 19 A" 1046.52
- 44 5.9 UE 19 B; 1.4 mi N. along a co. rd. from tablet; 29 ft S. and 22 ft E. and 5.1 ft lower than crossroads, top of the E. end of a metal corrugated culvert, a punched hole, painted "UE 19 B" 1060.22

LINE 2 (Cont'd)

FEET

NEW HAMPTON QUAD. - 240

- 2 45 6.9 UE 19 C; 1.4 mi N. and 1.0 mi E. along a co. rd. and hwy. from tablet; 40 ft N. and 20 ft E. and 3.3 ft lower than crossroads, top of the E. end of a concrete tile culvert, a chiseled square, painted "UE 19 C" 1127.18
- 46 7.6 About 2.3 mi E. along the C.M. St. P. & P. RR. from the station at Bassett, Chickasaw County, about 30 yards W. of a sec. rd. crossing, 42.4 ft N. of the N. rail, 19.1 ft W. of the cor. of a fence, and 4.5 ft S. of the right-of-way fence, a standard disk stamped "U 36 1934" and set in the top of a concrete post projecting about 2 in. above ground (Previous elev. by USC&GS could not be reconciled - This elev. by USGS) 1123.552

LINE 3

C. L. Crutchfield, 1969; Book CV-2434

CHARLES CITY QUAD. - 241

- 2 49 1.0 At Bassett, Chickasaw County, on the C. M. St. P. and Pacific RR. about 57 yards W. of the station, 56 ft S. of the S. rail of the main track, 13.6 ft S. of the S. rail of the S. sidetrack, and in line with a row of poles; a standard USC&GS disk stamped "T 36 1934" and set in the top of a concrete post projecting about 1 in. above ground 1023.315
- 49 1.1 UE T A; 390 ft NE. of tablet; center N.-S. co. hwy. at RR. crossing, top of S. rail 1028.7
- 50 2.2 UE T B, 1.1 mi E. along the RR. from tablet, at center N.-S. rd. crossing and RR., top of the N. rail, a chiseled cross, top of rail, painted "UE T B" 1059.19

NEW HAMPTON QUAD. - 240

- 51 2.7 UE T C; 1.6 mi E. along the RR. from tablet; 8 ft S. and 13 ft E. and 0.1 ft lower than center of E.-W. rd. at RR. crossing, top of the S. end of a concrete tile culvert, a chiseled square, painted "UE T C" 1085.11
- 52 3.5 2.3 mi E. along the Chicago, Milwaukee and St. Paul & Pacific RR. from the station at Bassett, 30 yards W. of a sec. rd. crossing, 42.4 ft N. of the N. rail, 19.1 ft W. of the cor. of a fence, and 4.5 ft S. of the right-of-way fence, a standard USC&GS disk stamped "U 36 1934" and set in the top of a concrete post projecting 2 in. above ground (Previous elev. by USC&GS could not be reconciled, new elev. by USGS) 1123.552

LINE 4

C. L. Crutchfield, 1969; Book CV-2434

NEW HAMPTON QUAD. - 240

- 3 3 0.0 UE T B (Described in Line 3) 1059.19
- 3 0.6 UE T D; near the cor. of secs. 3, 4, 9 and 10, T. 95 N., R. 14 W., 45 ft S. and 18 ft E. and 1.3 ft lower than crossroads, top of the E. end of a concrete tile culvert, a chiseled square, painted "UE T D" 1129.35
- 4 1.0 Bassett, 0.3 mi N. and 1.0 mi E. of; 0.3 mi N. of the cor. of secs. 3, 4, 9 and 10; T. 95 N., R. 14 W., 41 ft W. and 10.6 ft lower than center of a N.-S. rd. at a drain crossing, top of the W. end of a large concrete tile culvert, a standard tablet stamped "20 CLC 1969 1119" 1118.66
- 5 1.8 UE 20 A; 0.8 mi N. along a co. rd. from tablet; 27 ft N. and 32 ft E. and 3.6 ft lower than crossroads, top of the E. end of a concrete tile culvert, a chiseled square, painted "UE 20 A" 1142.78
- 6 2.8 UE 20 B; 1.8 mi N. along a co. rd. from tablet, 35 ft S. and 47 ft E. and 2.4 ft lower than crossroads, on the W. side of a power pole, a rail spike, painted "UE 20 B" 1144.51

LINE 4 (Cont'd)

FEET

NEW HAMPTON QUAD. - 240

3	7	3.8	UE 20 C; 2.8 mi N. along a co. rd. from tablet; 47 ft S. and 25 ft E. and 3.3 ft lower than crossroads, top of the E. end of a concrete tile culvert, a chiseled square, painted "UE 20 C"	1116.46
8	4.2		Deerfield, 2.6 mi S. of; 0.4 mi N. of the cor. of secs. 21, 22, 27 and 28; T. 96 N., R. 14 W., 15 ft W. and 0.1 ft lower than center of a N.-S. rd. at a small drain crossing, in the center of the W. headwall of a concrete box culvert, a standard tablet stamped "21 CLC 1969 1105"	1104.572
9	4.4		Reference Mark No. 1, 0.2 mi N. along a co. rd. from tablet, about 4 mi NE. of Bassett, Iowa, at bridge over Wapsipinicon River; at right downstream cor. of bridge, on wheelguard, chiseled square	1109.00
10	4.5		Reference Mark No. 2, 0.2 mi N. along a co. rd. from tablet; about 4 mi W. of North Washington, Iowa, at Co. Rd. "E", bridge over Wapsipinicon River; at left downstream cor. of bridge on wheelguard, chiseled square	1108.94
11	4.8		UE 21 A; 0.6 mi N. along a co. rd. from tablet; 25 ft N. and 31 ft E. and 2.1 ft lower than T-rd. E., top of the N. end of a large metal corrugated culvert, a punched hole, painted "UE 21 A"	1102.56
12	5.6		UE 21 B; 1.6 mi N. along a co. rd. from tablet; 4 ft S. and 38 ft E. and 4.1 ft lower than center N.-S. rd. at an E.-W. fenceline crossing, top of the S. end of a metal corrugated culvert, a punched hole, painted "UE 21 B"	1128.03
13	6.9		UE 21 C; 2.6 mi N. along a co. rd. from tablet; a rail spike, center crossroads; paved co. rds., painted "UE 21 C"	1129.68
14	7.3		At Deerfield, Iowa, 0.4 mi N. of the cor. of secs. 3, 4, 9 and 10; T. 96 N., R. 14 W., 1 ft S. and 108 ft W. and 6.7 ft higher than T-drive W. leading into the church and cemetery near the center of the first step of the church, a standard tablet stamped "22 CLC 1969 1145"	1145.453
15	7.3		Reference Mark, 22 ft N. and 28 ft E. of T-drive W. leading into the church and cemetery, top of the N. end of a concrete tile culvert, a chiseled square painted "RM"	1134.75
16	7.8		UE 22 A; 0.5 mi N. along a co. paved rd. from tablet; at the center crossroads, a rail spike, painted "UE 22 A"	1143.13
17	8.8		UE 22 B; 1.5 mi N. along a co. paved rd. from tablet; center T-rd. E., a rail spike, painted "UE 22 B"	1176.05
18	9.8		UE 22 C; 2.5 mi N. along a co. paved rd. from tablet; center T-rd. E., a rail spike, painted "UE 22 C"	1159.33
19	10.1		Alta Vista, 0.3 mi N. and 4.0 mi W. of; 1480 ft N. of the cor. of secs. 21, 22, 27 and 28; 1480 ft N. and 17 ft W. and 7.4 ft lower than T-rd. E., 3 ft N. of a witness sign, top of a large boulder, a standard tablet stamped "23 CLC 1969 1152"	1151.954
20	10.8		UE 23 A; 0.7 mi N. along a co. rd. from tablet; 24 ft S. and 34 ft W. and 3.2 ft lower than crossroads, top of the E. end of a metal corrugated culvert, a punched hole, painted "UE 23 A"	1153.76
21	11.8		UE 23 B; 1.7 mi N. along a co. rd. from tablet; 26 ft N. and 22 ft W. and 1.3 ft lower than crossroads, top of the W. end of a metal corrugated culvert, a punched hole, painted "UE 23 B"	1206.07
22	12.8		UE 23 C; 2.7 mi N. along a co. rd. from tablet; center crossroads, a rail spike at intersection of N.-S. gravel rd. and E.-W. co. paved hwy., painted "UE 23 C"	1228.46

LINE 4 (Cont'd)

FEET

NEW HAMPTON QUAD. - 240

- 3 23 13.0 Elma, 3.0 mi W. of; 0.2 mi N. of the cor. of secs. 3, 4, 9 and 10; T. 97 N., R. 14 W., 1160 ft N. and 24 ft W. of crossroads, 24 ft W. and 1.4 ft lower than center N.-S. gravel rd. at a small drain crossing, top of the W. end of a large concrete tile culvert, a standard tablet stamped "24 CLC 1969 1196" 1195.768
- 24 13.1 Reference Mark, 41 ft E. and 0.6 ft higher than tablet, top of the E. end of a large concrete tile culvert, a chiseled square, painted "RM" (NOTE: Chiseled square is on top of the second joint W. of the E. end of the first joint) 1196.35

LIME SPRINGS QUAD. - 263

- 25 13.8 UE 24 A; 0.7 mi N. along a co. rd. from tablet; 35 ft N. and 33 ft E. and 0.2 ft higher than crossroads, on the S. side of a power pole, a rail spike, painted "UE 24 A" 1234.67

MCINTIRE QUAD. - 264

- 26 14.8 UE 24 B; 0.7 mi N. and 0.97 mi W. along a co. rd. from tablet; 9 ft S. and 18 ft W. and 0.2 ft higher than center bridge over a small creek; top of the SW. concrete bridge abutment, a chiseled square, painted "UE 24 B" 1159.94
- 27 15.8 Elma, 1.0 mi N. and 5.0 mi W. of; near the cor. of secs. 5, 6, 31 and 32; T. 97 and 98 N., R. 14 W., 210 ft N. and 10 ft W. and 1.6 ft lower than crossroads, in the center of the W. headwall of a concrete box culvert, a standard tablet stamped "25 CLC 1969 1151" 1150.804
- 28 15.8 Reference Mark, 20 ft E. and 0.1 ft higher than tablet, in the center of the E. headwall of a concrete box culvert, a chiseled square, painted "RM" 1150.88
- 29 16.8 UE 25 A; 1.0 mi W. along a co. rd. from tablet; a rail spike, center crossroads painted "UE 25 A" 1177.10
- 30 17.9 UE 25 B; 2.0 mi W. along a co. rd. from tablet; 31 ft S. and 59 ft W. and 2.2 ft lower than crossroads, on the N. side of a power pole, a rail spike, painted "UE 25 B" 1201.67
- 31 19.0 New Haven, 2.0 mi S. and 2.9 mi E. of; near the cor. of secs. 2, 3, 34 and 35; T. 97 and 98 N., R. 15 W., 10.5 ft N. and 739 ft W. of crossroads, 0.2 ft higher than center E.-W. gravel rd. at a small drain, in the center of the N. headwall of a concrete box culvert, a standard tablet stamped "26 CLC 1969 1155" 1154.982
- 32 19.0 Reference Mark, 21 ft S. and 0.3 ft higher than tablet, in the center of the S. headwall of a concrete box culvert, a chiseled square, painted "RM" 1155.25
- 33 19.9 UE 26 A; 0.86 mi W. along a co. rd. from tablet; 17 ft S. and 26 ft W. and 2.4 ft lower than crossroads, top of the S. end of a metal corrugated culvert, a punched hole, painted "UE 26 A" 1124.82
- 34 20.9 UE 26 B; 1.86 mi W. along a co. rd. from tablet; 25 ft N. and 25 ft E. and 2.4 ft lower than crossroads, top of the E. headwall of a new concrete box culvert, a chiseled square, painted "UE 26 B" 1100.81
- 35 21.9 UE 26 C; 2.86 mi W. along a co. rd. from tablet; 27 ft S. and 15 ft E. and 2.6 ft lower than crossroads, top of the E. end of a metal corrugated culvert, a punched hole, painted "UE 26 C" 1138.17

8
CHARLES CITY QUADRANGLE
241 - IOWA

LINE 4 (Cont'd)

FEET

MCINTIRE QUAD. - 264

- 3 36 22.6 New Haven, 2.0 mi S. and 0.7 mi W. of; 10.5 ft N. and 1426 ft E. of the cor. of secs. 1, 6, 31 and 36; T. 97 and 98 N., R. 15 and 16 W., 10.5 ft N. and 0.6 ft higher than center E.-W. gravel rd. at a small drain crossing, in the center of the N. headwall of a concrete box culvert, a standard tablet stamped "27 CLC 1969 1160" 1160.058
- 37 22.6 Reference Mark, 21 ft S. and 0.3 ft lower than tablet, in the center of the S. headwall of a concrete box culvert, a chiseled square, painted "RM" 1159.79
- 38 23.2 UE 27 A; 0.65 mi W. along a co. rd. from tablet, 10 ft S. and 9 ft E. and 1.0 ft lower than center bridge over a small creek, top of the SE. rock and concrete bridge abutment, a chiseled square, painted "UE 27 A" 1125.42
- 39 23.9 UE 27 B; 1.2 mi W. along a co. rd. from tablet, 37 ft N. and 17 ft W. and 2.5 ft lower than crossroads, top of the W. end of a metal corrugated culvert, a punched hole, painted "UE 27 B" 1128.49
- 40 24.9 UE 27 C; 2.2 mi W. along a co. rd. from tablet; 33 ft S. and 14 ft W. and 0.8 ft lower than T-rd. S., top of the W. end of a metal corrugated culvert, a punched hole, painted "UE 27 C" 1174.58
- 41 26.1 New Haven, 2.0 mi S. and 4.2 mi W. of; 0.2 mi W. of the cor. of secs. 3, 4, 33 and 34, T. 97 and 98 N., R. 16 W., 10.5 ft N. and 0.6 ft higher than center E.-W. gravel rd. at a small drain crossing, in the center of the N. headwall of a concrete box culvert, a standard tablet stamped "28 CLC 1969 1144" 1143.606
- 42 26.1 Reference Mark, 21 ft S. and 0.9 ft lower than tablet, in the center of the S. headwall of a concrete box culvert, a chiseled square, painted "RM" 1142.71

OSAGE QUAD. - 265

- 43 26.8 UE 28 A; 0.7 mi W. along a co. rd. from tablet; 33 ft N. and 129 ft E. and 0.8 ft lower than T-field entrance S. leading into a field, on the S. side of a power pole, a rail spike, painted "UE 29 A" 1130.97
- 44 27.5 UE 28 B; 1.3 mi W. along a co. rd. from tablet; 13 ft S. and 3.1 ft higher than center bridge over a large drain, in the center of the S. headwall of a concrete bridge, a chiseled square, painted "UE 28 B" 1113.96
- 45 28.1 UE 28 C; 2.0 mi W. along a co. rd. from tablet, rail spike center T-rd. S., painted "UE 28 C" 1147.02
- 47 29.1 2 mi NW. along the I.C. RR. from the station at Orchard, Mitchell County, 40 yards E. of a sec. rd. crossing, 45 ft NE. of the NE. rail, and 2.1 ft SW. of a right-of-way fence; a standard USC&GS disk stamped "F 40 1934" and set in the top of a concrete post projecting 6 in. above ground 1149.948

LINE 5

C. L. Crutchfield, 1969; Book CV-2434

CHARLES CITY QUAD. - 241

- 3 55 0.0 About 1.2 mi E. along the C.M. St. P. & P. RR. from the station at Charles City, Floyd County, about 58 yards E. of an overhead bridge for an electric RR., 45.7 ft S. of the S. rail, and 1.5 ft N. of the right-of-way fence; a standard USC&GS disk stamped "P 36 1934" and set in the top of a concrete post projecting about 6 in. above ground 1045.086

LINE 5 (Cont'd)

CHARLES CITY QUAD. - 241

FEET

3	55	0.9	UE # 1, 0.9 mi E. along the RR. from tablet, center of a N.-S. rd. at RR., top of the N. rail, painted "UE # 1"	1085.8
56	1.7		UE # 2, 0.9 mi E. along the RR. and 0.8 mi N. along a co. rd. from tablet; 46 ft N. and 48 ft E. and 1.0 ft lower than crossroads, on the W. side of a power pole, a rail spike, painted "UE # 2"	1116.97
57	2.7		UE # 3, 0.9 mi E. along the RR. and 1.8 mi N. along a co. rd. from tablet; 5 ft N. and 35 ft W. and 4.7 ft lower than T-rd. E., on the N. end of a metal corrugated culvert, a punched hole, painted "UE # 3"	1130.09
58	3.2		Colwell, 2.5 mi S. and 2.0 mi W. of; near the center of secs. 20 and 21; T. 96 N., R. 15 W., 3 ft N. and 20 ft W. and 3.9 ft lower than center N.-S. rd. at a fence line W., top of the W. end of a large concrete tile culvert, a standard tablet stamped "29 CLC 1969 1112"	1111.849
59	3.2		Reference Mark, 41 ft E. and 0.4 ft lower than tablet, top of the E. end of a concrete tile culvert, a chiseled square, painted "RM"	1111.49
60	4.2		UE 29 A; 1.0 mi N. along a co. rd. from tablet; center crossroads, a rail spike, painted "UE 29 A"	1053.58
61	4.6		2 mi W. and 1 mi S. of Colwell, 200 yards S. of T. 96 N., R. 15 W., SW. cor. sec. 9, and on concrete overflow bridge on right downstream handrail post, chiseled square	1056.16
62	4.7		UE 29 B; 1.5 mi N. along a co. rd. from tablet; 57 ft S. and 11 ft W. and normal to center bridge over Little Cedar River, SW. cor. of concrete wheelguard, a chiseled square, painted "UE 29 B"	1053.04
63	5.8		UE 29 C; 2.5 mi N. along a co. rd. from tablet, center crossroads, a rail spike, painted "UE 29 C"	1122.92
64	6.4		Colwell, 0.6 mi N. and 2.0 mi W. of; 0.1 mi N. of the center of secs. 4 and 5, T. 96 N., R. 15 W., 21 ft E. and 4.1 ft lower than center N.-S. co. Hwy. at a small drain crossing, in the center of the E. headwall of a concrete box culvert, a standard tablet stamped "30 CLC 1969 1110"	1110.353
65	6.4		Reference Mark, 42 ft W. and 0.2 ft lower than tablet; in the center of the W. headwall of a concrete box culvert, a chiseled square, painted "RM"	1110.14
66	7.7		UE 30 A; 0.4 mi N. along a co. paved rd. from tablet; center crossroads, a rail spike, painted "UE 30 A"	1141.06
67	8.7		UE 30 B; 1.4 mi N. along a co. hwy. from tablet; center crossroads, a rail spike, painted "UE 30 B"	1119.71
68	9.8		Colwell, 3.1 mi N. and 2.0 mi W. of; 0.1 mi N. of the cor. of secs. 20, 21, 28 and 29; T. 97 N., R. 15 W., 31 ft W. and 0.2 ft lower than center co. hwy. at Slough Creek; in the center of the W. headwall of a concrete bridge, a standard tablet stamped "31 CLC 1969 1118"	1117.905
69	9.8		Reference Mark, 63 ft E. and 0.2 ft higher than tablet, in the center of the E. headwall of a concrete bridge, a chiseled square, painted "RM"	1118.12
70	10.8		UE 31 A; 0.9 mi N. along a co. hwy. from tablet, center crossroads, a rail spike, painted "UE 31 A"	1143.52

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CHARLES CITY QUADRANGLE
241 - IOWA

LINE 5 (Cont'd)

FEET

CHARLES CITY QUAD. - 241

- 3 71 11.8 UE 31 B; 1.9 mi N. along a co. hwy. from tablet, center crossroads, a rail spike, painted "UE 31 B" 1121.09
- 72 12.2 T. 97 N., R. 15 W., SE. sec. 8; 3.75 mi S. of E. edge of New Haven on asphalt rd. on W. end of corrugated metal pipe culvert, under rd.; 200 yards S. of only farmhouse W. side of rd. on this mi., chiseled cross 1127.76
- 73 12.7 UE 31 C; 2.9 mi N. along a co. rd. from tablet; center T-rd. E., a rail spike, painted "UE 31 C" 1134.97
- 74 13.1 New Haven, 2.7 mi S. and 1.0 mi E. of; 0.2 mi S. of the center of secs. 4 and 5, T. 97 N., R. 15 W., 30 ft N. and 11 ft W. and 3.7 ft lower than center bridge over a large drain, top of the NW. concrete bridge abutment, a standard tablet stamped "32 CLC 1969 1096" 1096.447
- 75 13.1 Reference Mark, 3 ft N. and 27 ft E. and 4.0 ft higher than tablet, top of the NE. concrete wheelguard, a chiseled square, painted "RM" 1100.48

MCINTIRE QUAD. - 264

- 76 13.7 UE 26 B (Described in line 4) 1100.81