

THIRD-ORDER LEVELS
SEA LEVEL DATUM OF 1929

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

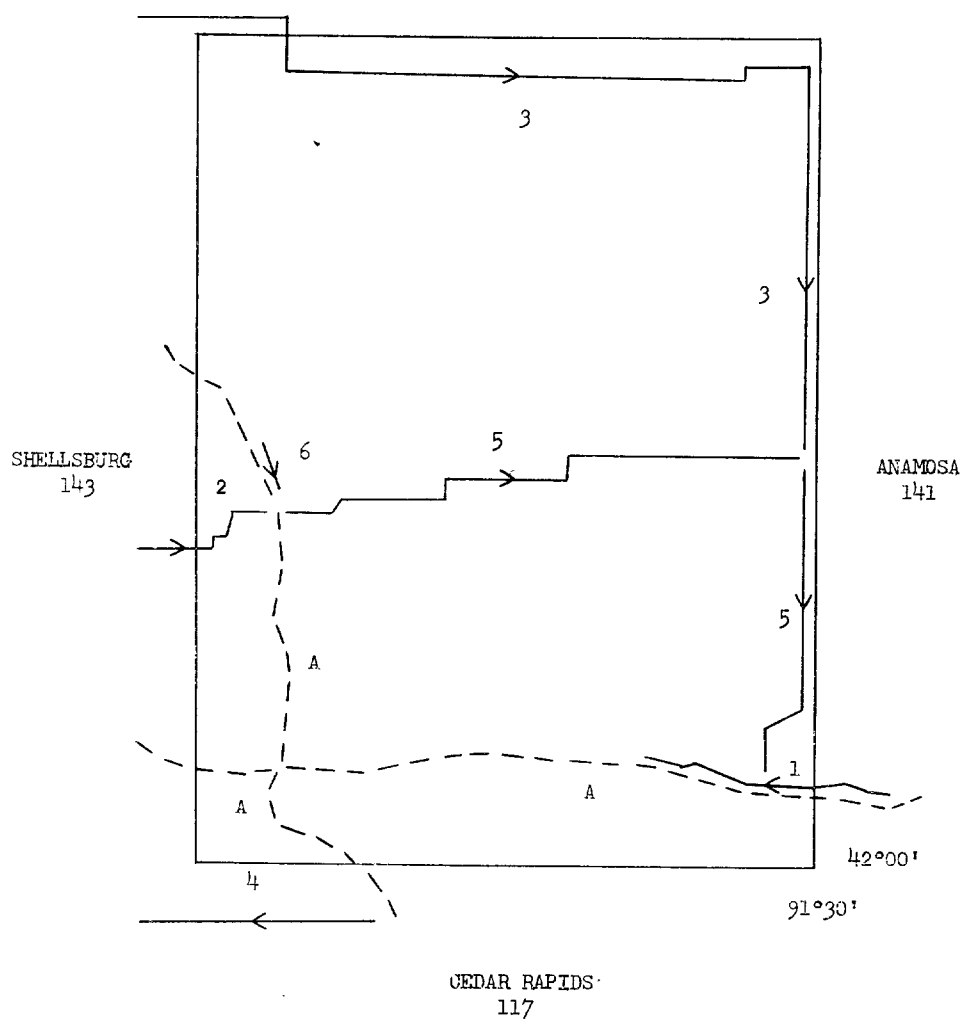
MARION QUADRANGLE
142 - Iowa
N4200-W9130/15
Diagram NK 15-6
Dubuque, Ill.-Iowa-Wisc.

Linn County

Edition of 10/17/66

PR: ADP/et

WINTHROP NO. 1
167



USC&GS LEVELING

A. No. 420912

142 B

MARION QUADRANGLE
142 - Iowa

LINE 1

Feet

WEST IN SOUTHEAST CORNER OF QUAD. (By C. D. Lien, 1966, Book CV-2044)

ANAMOSA QUAD. 141

1 9 0.0 Peralta, 2.0 mi W. along the Chicago, Milwaukee, St. Paul and Pacific RR. from the RR. junction at, 12 poles E. of milepost 221, at bridge Z 790, in top of the S. parapet of the W. abutment, and 3.7 ft E. of the W. end; a USC&GS standard disk stamped "R 80 RESET 1946" Note: This bench mark was established and its elevation determined by engineers of the C. M. St. P. & P. RR. in May 1946. 788.677

0.5 UE, 0.5 mi NW. along RR. from BM R 80 RESET, center of RR. at gravel rd. crossing; copper nail and washer, painted "805.8" 805.76

11 1.6 UE, 1.59 mi NW. along RR. from BM R 80 RESET, a rail spike in telephone pole, 51 ft N. and 41 ft W. of private rd. crossing RR., painted "829.1" 829.13

MARION QUAD. 142

12 2.2 T. 83 N., R. 6 W., near sec. cors. 2, 3, 10 and 11, Peralta, 4.2 mi NW. of along C. M. St. P. & P. RR., 173 ft W., 41 ft S. of gravel rd. crossing track, 7 ft N. of right-of-way fence, 1 ft N. of witness post extending 4 in. above ground; a standard tablet in a concrete post, stamped "1 GDL 1966 Elev. 818.4" 818.433

13 2.2 Reference mark, 0.03 mi E. from tablet, center of RR. at gravel rd. crossing; a copper nail and washer 818.23

14 3.1 UE, 0.81 mi W. along RR. from tablet at center of track at private drives crossing, a copper nail and washer, painted "836.9" 836.89

17 3.8 UE, 1.6 mi along RR. from tablet, center of N. track under overpass of Hwy. 150; a copper nail and washer, painted 813.83

16 4.3 Marion, 2.0 mi E. along the C. M. St. P. & P. RR. from the station at, at milepost 225, at a 30 ft concrete arch bridge, in the top of the S. end of the E. concrete abutment, 10 ft S. of the center of the S. track, and 2 ft lower than the track; a USC&GS standard disk stamped "T 80 1934" 807.134

LINE 2

WEST NEAR CENTER OF WEST BORDER (By C. D. Lien, 1966, Book CV-2044)

SHELLSBURG QUAD. 143

2 26 10.4 UE, 1.45 mi E. of tablet, 11 ft N., 160 ft W. from center of rd. at bend, a rail spike in lone fence post, painted "908.7" 909.22

MARION QUAD. 142

27 11.2 UE, 0.25 mi N., 2.0 mi E. from tablet, 37.6 ft S., 31.6 ft W. from center of rd. at T-rd. W., a rail spike N. side of telephone pole, 2.6 ft lower than center of rd. at T-rd. W., painted "910.2" 910.72

28 11.6 Reference mark, 70 ft S., 40 ft E. from tablet, a chiseled square in a concrete culvert under private drive S. 936.17

T. 84 N., R. 8 W., near the center of sec. 11, Shellsburg, 0.25 mi N. 6.5 mi E., 42.6 ft N., 161 ft W. from center of rd. at T-rd. N., in a concrete post; USC&GS and IGS standard disk stamped "USC&GS 57-915" Elevation by USGS 946.541

LINE 2 (Cont'd)

MARION QUAD. 142

Feet

- 2 29 12.0 UE, T. 84 N., R. 8 W., near the sixteenth cor. between secs. 11 and 12, Shellsburg, 0.75 mi N., 7.0 mi E., 10 ft N., 24 ft W. from center of rd. at T-rd. E., 1.7 ft lower than rd. at T-rd. E., a chiseled square in a concrete culvert, on N. side of field approach E., painted "870.2" 870.73
- 30 13.0 Toddville, 0.8 mi NW. along the Chicago, Rock Island and Pacific RR. from the station at, 24 poles NW. of milepost 10, at a bridge, in the top of the W. end of a S. stone abutment, and 10 ft W. of the center of the track; a US&GS standard disk stamped "T 75 1934" 777.062

LINE 3

EAST ALONG NORTH BORDER, THENCE SOUTH ALONG NORTH HALF EAST BORDER (By C. D. Lien, 1966, Book CV-2044)

WINTHROP NO. 2 QUAD. 168

- 2 32 0.0 Walker, 2.2 mi SE. along the Chicago, Rock Island and Pacific RR. from the station at, 15 poles N. of milepost 22, at 120 ft steel bridge 225, in top of the W. end of the N. stone abutment, 11 ft W. of the center of the track, and 2 ft lower than the track, a US&GS standard disk stamped "L 75 1934" 838.693
- 0.2 UE, T. 86 N., R. 8 W., near the sec. cor. 15, 16, 21 and 22, Walker, 2.0 mi S., 0.5 mi E. along rd., 23 ft N., 59 ft E. from center of crossroads; a punched hole in a metal culvert, 4.5 ft lower than crossroads, painted "27 B 833.8" 833.81
- 33 1.1 UE, 1.7 mi E. along rd. from tablet, 28 ft S., 12.5 ft W. from center of rd. at field rd. S., 2.2 ft lower than rd. at field rd. S., a rail spike in telephone pole, painted "26 B 905.0" 905.04

WINTHROP NO. 1 QUAD. 167

- 34 1.6 UE, 1.63 mi E. along rd. from tablet, 32 ft S., 41 ft E. from center of crossroads, 2.1 ft lower than center of crossroads, a rail spike in telephone pole, painted "25 B 923.1" 923.14
- 35 2.3 UE, 2.27 mi E. along rd. from tablet, near the SW. sixteenth cor. of sec. 13, the NW. sixteenth cor. of sec. 24, in T. 86 N., R. 8 W., a copper nail and washer in the center of wooden bridge, 6.6 ft higher than drain, painted "24 B 893.2" 893.24
- 36 3.1 T. 86 N., Rs. 7 and 8 W., in the NW. cor. of sec. 19, Walker, 2.0 mi S. 3.5 mi E. along rd., 21 ft S., 38 ft E. from center of crossroads, 2 ft N. of evergreen tree; same elevation as crossroads; a standard tablet in a concrete post stamped "8 CDL 1966 Elev." 911.882
- 37 3.1 Reference mark, 16 ft W. from tablet, 2.2 ft lower than tablet, a punched hole in a metal culvert 909.33

MARION QUAD. 142

- 38 4.1 UE, T. 86 N., on Range Lines 7 and 8 W., near sec. cors. 19, 24, 25 and 30, Walker, 3.0 mi S., 3.5 mi E., 40 ft N., 20.5 ft W. from center of rd. at T-rd. E., a punched hole in a metal culvert, 2.1 ft lower than center of rd. at T-rd. E., painted "23 B 881.5" 881.54
- 39 5.0 UE, T. 86 N., R. 7 W., near the sec. cors. of 19, 20, 29 and 30, 26 ft S., 28 ft E. from center of crossroads, a punched hole in a metal culvert; 0.6 ft lower than crossroads, painted "22 B 902.3" 902.28

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MARION QUADRANGLE
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LINE 3 (Cont'd)

MARION QUAD. 142

Feet

2 40 6.0	T. 86 N., R. 7 W., near sec. cors. 20, 21, 28 and 29, Walker, 3.0 mi S. 5.0 mi E., 34 ft N. from center of rd. at T-rd. S., 2 ft S., 1 ft E. from T-fence E., 2 ft W. of witness post, 2.6 ft lower than rd. at T-rd. S., a standard tablet in a concrete post extending 4 in. above ground, stamped "9 CDL 1966"	937.468
41 6.0	Reference mark, 104 ft S., 80 ft E. from tablet, 70 ft S. from rd. at private drive S. to power station, a chiseled square in the SE. cor. of a concrete foundation of power station	937.20
42 7.1	UE, 1.0 mi E. along rd. from tablet, 34 ft N., 35 ft E. from center of crossroads, a rail spike in a telephone pole, 2.9 ft lower than crossroads; painted "21 B 932.8"	932.85
43 8.1	UE, 2.0 mi E. along rd. from tablet, 35 ft S., 84 ft E. from center of crossroads, a rail spike in a telephone pole, 1.5 ft higher than crossroads, painted "20 B 936.5"	936.55
45 9.1	T. 86 N., R. 7 W., near SW. cor. of sec. 24 and NW. cor. of sec. 25, Walker, 3.0 mi S., 8.0 mi E., 17 ft S., 161 ft E. from center of crossroads, 0.9 ft higher than center of bridge, 14.5 ft higher than water; a standard disk in the SW. cor. of a concrete bridge, stamped "L.C.E.D. Elev." Elevation by USGS	861.488
46 9.1	Reference mark, 32 ft N., 35.5 ft E. from tablet, a chiseled square in the NE. cor. of a concrete bridge	861.45
47 10.1	UE, 1.0 mi E. along rd. from tablet, 32 ft S., 43 ft E. from center of rd. at T-rd. S., a rail spike in telephone pole, 0.5 ft lower than rd. at T-rd. S., painted "19 B 915.7"	915.67
48 11.0	UE, 2.0 mi E. of tablet, T. 86 N., Range lines 6 and 7 W., near cor. secs. 19, 20, 29 and 30, Walker, 3.0 mi S., 9.5 mi E. at the community of Paris, 27 ft N., 16 ft E. from center of crossroads, a chiseled square in a concrete culvert, 1 ft lower than crossroads, painted "18 B 849.3"	849.28
49 11.8	UE, 2.8 mi E. of tablet, T. 86 N., R. 6 W., near the quarter cor. between secs. 20 and 29, 0.8 mi E. along rd., a chiseled square in the SE. cor. of a concrete bridge over the Wapsipinicon River, 26 ft higher than water, same elevation as center of bridge, painted "17 B 844.7"	844.70
50 12.2	T. 86 N., R. 6 W., near sec. cors. 20, 21, 28 and 29, 1.0 mi E. along rd., 33 ft S., 25 ft E. from center of rd. at private drive to cemetery, 2 ft N. of right of way fence, 3 ft E. of telephone pole, 2 ft W. of witness post; a standard tablet in a concrete post stamped "10 CDL 1966"	887.719
51 12.2	Reference mark, 23.6 ft N., 11 ft W. from center of rd. at private drive to cemetery, a punched hole in a metal culvert	884.31
52 12.5	UE, 0.4 mi E. of tablet, T. 86 N., R. 6 W., near the quarter cor. between secs. 21 and 28, community of Paris, 1.3 mi E. along rd., 66 ft N., 31 ft E. from center of rd. at rd. W., 28 ft S., 32.8 ft W. from center of rd. at rd. E., a punched hole in a metal culvert; 4.6 ft lower than rd. at rd. W., painted "16 B 879.5"	879.53
53 13.2	UE, 1.1 mi E. along rd. from tablet, 34 ft S., 26 ft E. from center of rd. at T-rd. N., a rail spike in a telephone pole, 1.5 ft higher than rd. at rd. N., painted "15 B 963.7"	963.69

LINE 3 (Cont'd)

MARION QUAD. 142

Feet

2	54	13.5	UE, 1.35 mi E. along rd. from tablet, a head of a spike in the center of Hwy. 13 at T-rd. W., painted "14 B 921.8"	921.82
	55	13.7	UE, 0.24 mi N., 1.35 mi E. along rd. from tablet, a copper nail and washer in the center of Hwy. 13 at T-rd. E., painted "13 B 915.3"	915.31
	56	14.2	UE, T. 86 N., R. 6 W., near the sixteenth cor. between section lines 22 and 23, Central City, 2.25 mi N., 0.5 mi E., 16 ft N., 22 ft W. from center of crossroads, a punched hole in a metal culvert, 1.4 ft lower than crossroads, painted "12 B 964.4"	963.42
	57	15.2	T. 86 N., R. 6 W., near the sixteenth cor. between secs. 23 and 24, Central City, 2.25 mi N., 1.5 mi E. along rd., 30 ft N., 32 ft W. from center of rd. at T-rd. S., 1.5 ft S. of witness post, 2.3 ft lower than T-rd., a standard tablet in a concrete post stamped "11 CDL 1966"	980.190
	58	15.2	Reference mark, 23 ft N., 33 ft E. from center of rd., at T-rd. S., 65 ft E. from tablet, a rail spike in a telephone pole	981.34
	59	15.7	UE, T. 86 N., R. 6 W., near the sixteenth cor. between secs. 25 and 26, Central City, 1.75 mi N., 1.75 mi E., 18 ft N., 25 ft E. from center of rd. at T-rd. E., 1.2 ft lower than T-rd. E., a punched hole in a metal culvert, painted "11 B 984.5"	984.53
	62	16.5	UE, 1.25 mi S. along rd. from tablet, 29 ft S., 36 ft E. from center of rd., at T-rd. E., 1 ft lower than T-rd. E., a rail spike in a telephone pole, painted "10 B 946.2"	946.23
	61	17.7	UE, 2.46 mi S. along rd. from tablet, T. 85 N., R. 6 W., near the sixteenth cor. between secs. 1 and 2, 307 ft S., 30 ft W. from center of rd. at private drive W., a rail spike in a telephone pole, painted "9 B 879.6"	879.60
	63	18.0	T. 85 N., R. 6 W., near the quarter cor. between section lines 1 and 2, Central City, Maple Street and Hwy. 13, 1.5 mi E. along rd., .07 mi S. from crossroads, a standard tablet in the NE. headwall of a concrete bridge, 1.7 ft higher than center of bridge, 17.7 ft higher than water, stamped "12 CDL 1966"	859.589
	64	18.0	Reference mark, 70 ft S. from tablet, a chiseled square in the SE. cor. of a concrete bridge	858.21
	65	18.4	UE, T. 85 N., R. 6 W., near the cor. of secs. 1, 2, 11 and 12, Central City, Maple Street, Hwy. 13, 0.5 mi S., 1.5 mi E., 43 ft S., 29 ft E. from crossroads, a punched hole in the E. end of a metal culvert, 4.2 ft lower than crossroads, painted "8 B 871.7"	871.77
	66	18.8	UE, 0.77 mi S. along rd. from tablet, T. 85 N., R. 6 W., near the N. sixteenth cor. between secs. 11 and 12, 14 ft N., 36 ft E. from center of rd. at private drive E., painted "7 B 867.7"	867.74
	67	19.3	Reference mark, 0.07 mi N. from tablet, a chiseled square in the NW. headwall of a concrete bridge over the Wapsipinicon River	829.60
	68	19.4	T. 85 N., R. 6 W., near the N. sixteenth cor. between secs. 13 and 14, Central City, Maple Street and Hwy. 13, 1.75 mi S., 1.5 mi E., in the SW. headwall of a concrete bridge over the Wapsipinicon River, 2.0 ft. higher than center of bridge, stamped "L.C.E.D. Br. 829" Elevation by USGS	831.544

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LINE 3 (Cont'd)

MARION QUAD. 142

Feet

2 69	19.9	UE, 0.52 mi S. along rd. from tablet, 56 ft N., 43 ft W. from center of rd. at T-rd. W., a rail spike in telephone pole, 2.7 ft higher than T-rd. W., painted "6 B 889.4"	889.46
70	20.2	UE, 0.8 mi S. along rd. from tablet, 28 ft N., 28 ft W. from center of rd. projecting T-rd. E., 1.5 ft lower than T-rd. E., a rail spike in telephone pole, painted "5 B 881.5"	881.58
71	20.5	T. 85 N., R. 6 W., near the N. sixteenth cor. between secs. 23 and 24, Central City, Maple St., Hwy. 13, 2.75 mi S., 1.5 mi E., a standard disk in the W. headwall of a concrete culvert, 1.2 ft higher than center of rd. on culvert, 11 ft higher than drain, stamped "L.C.E.D. 993 1924" Elevation by USGS	881.631
72	20.9	UE, 0.4 mi S. along rd. from tablet, 275 ft N., 29 ft W. from center of rd. at private drive E. to cemetery, a rail spike in a telephone pole, painted "4 B 987.1"	987.17
74	21.7	UE, T. 85 N., R. 6 W., near the S. sixteenth cor. between section lines 25 and 26, Central City, Maple Street, Hwy. 13, 4.25 mi S., 1.5 mi E., 82 ft N., 13 ft W. from center of rd. at field rd. W., 67 ft S., 13 ft W. from center of rd. at field rd. E., a chiseled square on the top of the W. headwall of a concrete culvert, 4 ft higher than drain, painted "3 B 922.2"	922.25
75	22.0	UE, T. 85 N., R. 6 W., near the center of sec. cors. 25, 26, 35 and 36, Central City, Maple Street, Hwy. 13, 4.5 mi S., 1.5 mi E., 22 ft N., 67 ft E. from center of rd. at T-rd. E., a punched hole in a metal culvert, 2.4 ft lower than T-rd. E., painted "2 B 956.5"	956.49
76	22.4	UE, 1.22 mi S. along rd. from tablet, 27 ft S., 32 ft E. from center of rd. at T-rd. W., a rail spike in a telephone pole, 1.8 ft higher than T-rd. W., painted "1 B 958.9"	958.95
77	23.0	UE 16 A, 1.4 mi E. along the rd. from the tablet, near the cor. of secs. 35 and 36, 1 and 2, Tps. 84 and 85 N., R. 6 W., 41 ft N., 29 ft W. and 2.4 ft higher than the center of the crossroads, on the N. side of a power pole, a rail spike, painted "UE 16 A 922.8"	922.97

LINE 4

WEST NEAR SOUTHWEST CORNER OF QUAD. (By D. D. Bolin, 1966, Book CV-2042)

CEDAR RAPIDS QUAD. 117

1 52	0.0	At Cedar Rapids, at the post office, 17 ft W. of the center of the S. entrance, in a limestone block of the basement retaining wall, and 4 ft. S. of the building, a USC&GS standard disk stamped "C 76 1934"	726.665
1.3		UE C A, at the street crossings of East Ave. NW. and 13th St. NW., 20 ft N., 29 ft W. and 2.9 ft lower than the center of the street crossing, on top and on the N. end of the round concrete culvert; a chiseled square, painted "UE C A"	733.68
53	2.1	UE Centerline, near the cor. of 24th St. NW. and East Ave. NW., at the center of the concrete bridge; painted "UE CL"	763.0
54	2.7	Reference mark, 23 ft SSW. of the tablet, 24 ft N. of East Ave. NW., 22 ft E. of the steps leading to the Edgewood School No. I; on top and on the E. end of a round concrete culvert; a chiseled square	801.13

LINE 4 (Cont'd)

CEDAR RAPIDS QUAD. 117

Feet

- 1 55 2.7 Cedar Rapids, about 0.3 mi N. thence about 2.4 mi W. along East Ave. NW. from the post office of, near the cor. of East Ave. NW. and Edgewood rd., 39 ft S. of the SE. cor. of the Edgewood School #1, 34 ft E. of the walk leading to the main entrance, 42 ft N. of East Ave. NW., 27 ft W. of a 3 ft in diameter oak tree, on top of a concrete post; a standard tablet stamped "7 DDB 1966" 807.793
- 57 3.8 UE Centerline, 1.1 mi W. along East Ave. NW. from the tablet, near the cor. of secs. 23, 24, 25 and 26, T. 83 N., R. 8 W., at the center of the street crossing, a chiseled square, painted "UE CL A 855.7" 855.76

AMANA QUAD. 118

- 58 4.7 UE 7 B, 2.0 mi W. along East Ave. NW. from the tablet, near the cor. of secs. 22, 23, 26 and 27, T. 83 N., R. 8 W., 30 ft S., 27 ft E. and 1.9 ft lower than the center of the crossroads, on top of the E. end of the round concrete culvert; a chiseled square, painted "UE 7 B 828.3" 828.38
- 59 5.7 Reference mark, 31 ft E. of the tablet, 28 ft S. and 14 ft E. of the crossroads, on top of the E. abutment of the concrete box culvert; a chiseled square 769.87
- 60 5.8 Cedar Rapids, 0.3 mi N. thence 5.4 mi W. along East Ave. NW. and County Rd. #72, which starts at the city limits going W. from the post office, near the cor. of secs. 21, 22, 27 and 28, T. 83 N., R. 8 W., 25 ft S., 15 ft W. and 1 ft lower than the center of the crossroads, on top of the W. abutment of a concrete box culvert; a standard tablet stamped "8 DDB 1966" 769.888

LINE 5

EAST ALONG EAST-WEST CENTERLINE AND SOUTH ALONG SOUTH HALF EAST BORDER (By D. D. Bolin, 1966, Book CV-2042)

MARION QUAD. 142

- 2 1 0.0 USC&GS "T 75 1934" (Described in Line 2) 777.062
- 1.2 UE T A, 1.2 mi W. along the dirt and graveled rd. from the disk, located in the small settlement known as Monroe, in the SW $\frac{1}{4}$ of sec. 6, T. 84 N., R. 7 W., 36 ft N., 22 ft E. and 3.1 ft lower than the center of the Hwy. 150 at the T-rd. E., on top and on the N. end of the round metal culvert; a punched hole, painted "UE T A 839.2" 839.18
- 3 1.6 UE T B, 1.7 mi W. along the rd. from the tablet, in the NE $\frac{1}{4}$ sec. 8, T. 84 N., R. 7 W., 11 ft S., 24 ft W. and 3.2 ft lower than the center of the Y-rd. E., on the E. side of a power pole, a rail spike, painted "UE T B 793.4" 793.47
- 4 2.2 Burnett, 2.7 mi S. and 2.8 mi W. of, in the SW $\frac{1}{4}$ sec. 4, T. 84 N., R. 7 W., 35 ft N., 164 ft W., and 5 ft higher than the center of the W. C. F. & N. RR. and the E.-W. rd. crossing, 18 ft E. of the field entrance, 2 ft N. of the N. right-of-way fence, in top of a concrete post; a standard tablet stamped "13 DDB 1966" painted "BM 866.4" 866.472
- 5 2.2 Reference mark, 152 ft E. of the tablet, 19 ft N. and 9 ft W. of the RR. crossing at the E.-W. rd., on top and on the N. end of a round concrete culvert; a chiseled square, painted "RM" 860.21
- 6 2.7 UE 13 A, 0.5 mi E. along the dirt and gravel rd. from the tablet, in the SE $\frac{1}{4}$ sec. 4, T. 84 N., R. 7 W., 27 ft N., 24 ft W. and 3 ft lower than the center of the T-rd. N., on top and on the W. end of a round metal culvert; a punched hole, painted "UE 13 A 860.7" 860.77

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LINE 5 (Cont'd)

MARION QUAD. 142

Feet

- 2 7 3.0 UE 13 B, 0.8 mi W. along the dirt and gravel rd. from the tablet, center of the RR. crossing and the dirt and graveled E.-W. rd., "887.9" 887.8
- 8 3.4 UE 13 C, 1.3 mi W. along the dirt and gravel rd. from the tablet, near the quarter cor. between secs. 3 and 10, T. 84 N., R. 7 W., 26 ft N., 26 ft E. and 3 ft lower than the center of the T-rd. W., on top and on the N. end of the round metal culvert; a punched hole, painted "UE 13 C 889.0" 889.07
- 9 4.4 Reference mark, 31 ft NW. of the tablet, 26 ft S. and 39 ft E. of the T-rd. E., on top and on the W. end of a round metal culvert; a punched hole 883.48
- 10 4.4 Burnett, about 2.0 mi S. and 1.0 mi W. of, near the quarter cor. between secs. 2 and 3, T. 84 N., R. 7 W., 36 ft S., 69 ft E. and 2 ft lower than the center of the T-rd. E., 19 ft E. of the field entrance 3 ft S. of the S. right-of-way fence, on top of a concrete post; a standard tablet stamped "14 DDB 1966" painted "BM 884.4" 884.415
- 11 5.4 UE 14 A, 1.0 mi W. along the rd. from the tablet, near the quarter cor. between secs. 1 and 2, T. 84 N., R. 7 W., 25 ft N., 40 ft E. and 2.3 ft lower than the center of the crossroads, on top and on the N. end of a round concrete culvert; a chiseled square, painted "UE 14 A 864.6" 864.66
- 12 6.4 UE 14 B, 2.0 mi W. along the dirt and gravel rd. from the tablet, near the quarter cor. between secs. 1 and 6, T. 84 N., Rs. 6 and 7 W., 17 ft N., 27 ft W. and 0.2 ft lower than the center of the T-rd. W., on top and on the N. end of the round metal culvert; a punched hole, painted "UE 14 B 873.1" 873.19
- 14 8.0 Marion, 6.2 mi N. and 1.0 mi E. of, near the cor. of secs. 5, 6, 31 and 32, Tps. 84 and 85 N., R. 6 W., 61 ft SW. and 2 ft lower than the center of the curve, 4 ft N. and 2 ft E. of the cor. fence post; 1 ft E. of the witness marker; on top of a concrete post; a standard tablet stamped "15 DDB 1966" painted "BM 890.9" 891.056
- 15 8.0 Reference mark, 24 ft NE. of the tablet, 37 ft SW. of the curve of the rd., 16 ft N. and 22 ft E. of the cor. fence post; on top and on the N. end of the round metal culvert; a punched hole 889.44
- 16 8.2 UE 15 A, 0.3 mi E. along the dirt and gravel rd. from the tablet, 33 ft N., 21 ft W. and 2.7 ft lower than the center of the Y-rd. S.; on the S. side of a power pole, a rail spike, painted "UE 15 A 872.5" 872.63
- 17 8.5 UE 15 B GL, 0.6 mi W. along the rd. from the tablet, near the quarter cor. between secs. 5 and 32, Tps. 84 and 85 N., R. 6 W., 240 ft E. of the T-rd. N., at the center of the wooden bridge, a rail spike head, painted "UE 15 B GL 846.2" 846.33
- 18 8.9 UE 15 C, 1.0 mi W. along the gravel rd. from the tablet, near the cor. of secs. 4, 5, 32 and 33, Tps. 84 and 85 N., R. 6 W., 52 ft S., 18 ft W. and 3.5 ft lower than the center of the T-rd. S., on top and on the W. end of the round metal culvert; a punched hole, painted "UE 15 C 863.8" 863.94
- 19 10.5 UE 15 D, 1.5 mi W. along the rd. from the tablet, at the junction of State Hwy. 13 and the E.-W. rd. crossing, near the quarter cor. between secs. 4 and 33, Tps. 84 and 85 N., R. 6 W., 19 ft S., 27 ft E. and 0.1 ft lower than the center of the crossroads, on top and on the S. end of the round metal culvert; a punched hole, painted "UE 15 D 851.4" 851.53

LINE 5 (Cont'd)

MARION QUAD. 142

Feet

2	20	11.5	Reference mark, 173 ft W. of the tablet, 28 ft S. and 22 ft E. of the crossroads, on top and on the E. end of the round metal culvert; a punched hole	912.97
21	11.5		Marion, 6.2 mi N. and 3.5 mi E. of, near the quarter cor. between secs. 3 and 34, T. 84 N., R. 6 W., 24 ft S. and 195 ft E. from the center of the crossroads, 2 ft N. of the cor. fence post; on top of a concrete post; a standard tablet stamped "16 DDB 1966" Painted "BM 909.2"	909.738
23	13.0		UE 16 A (Described in Line 3)	922.97
24	14.0		Marion, 5.2 mi N. and 5.0 mi E. of, near the cor. of secs. 1, 2, 11 and 12, T. 84 N., R. 6 W., 74 ft N., 29 ft W. and 2.7 ft lower than the center of the crossroads, 9 ft N. of the fence cor., 2 ft E. of the W. right of way fence, on top of a concrete post; a standard tablet stamped "17 DDB 1966" Painted "BM 904.3" Note: RM not feasible	904.498
25	15.0		UE 17 A, 1.0 mi S. along the rd. from the tablet, near the cor. of secs. 11, 12, 13 and 14, T. 84 N., R. 6 W., 29 ft S., 77 ft E. and 1.4 ft lower than the center of the crossroads, on top and on the S. end of a round concrete culvert; a chiseled square painted "UE 17 A 896.4"	896.67
26	16.1		UE 17 B, 2.1 mi S. along the rd. from the tablet, near the cor. of secs. 13, 14, 23 and 24, T. 84 N., R. 6 W., 228 ft S., 10 ft E. and 3.9 ft lower than the center of the crossroads, on top of the E. abutment of the concrete box culvert; a chiseled square painted "UE 17 B 849.7"	849.95
28	17.5		Reference mark, 65 ft NW. of the tablet, 47 ft N. and 16 ft W. of the center of the T-rd. W., on top and on the W. end of a round metal culvert; a punched hole	842.22
29	17.5		Marion, 2.5 mi N. and 5.0 mi E. of, near the quarter cor. between secs. 25 and 26, T. 84 N., R. 6 W., 28 ft E. and 1.9 ft lower and in line with the center of the T-rd. W., 1 ft N. of the T-fence E., 2 ft E. of the E. right of way fence; set in top of the concrete footing of a concrete cor. fence post; a standard tablet stamped "18 DDB 1966" painted "BM 840.9"	841.210
30	18.0		UE 18 A, 0.5 mi S. along the rd. from the tablet, 0.3 mi N. of Hwy. 64, center of the Iron and wooden bridge, painted "UE 18 A CL 793.0"	793.3
31	18.3		UE 18 B, 0.8 mi S. along rd. from the tablet, near the N. sixteenth cor. between secs. 35 and 36, T. 84 N., R. 6 W., 94 ft N., 57 ft E. and 1.7 ft lower than the center of Hwy. and T-rd. N., on the SSW. side of a maple tree 2 ft in diameter, a rail spike, painted "UE 18 B 809.1"	809.40
32	19.4		UE 18 C, 0.8 mi S. thence 1.1 mi WSW. along State Hwy. 64 from the tablet, in the NW $\frac{1}{4}$ of the SW $\frac{1}{4}$ sec. 35, T. 84 N., R. 6 W., 69 ft N., 86 ft E. and 3.1 ft lower than the center of the Hwy., at the N.-S. dirt rd. crossing, on top and at the N. end of the round concrete culvert; a chiseled square, painted "UE 18 C 860.0"	860.29
33	19.8		UE 18 D, 0.8 mi S. thence 1.1 mi WSW. along State Hwy. 64, thence 0.4 mi S. along the dirt and gravel rd. from the tablet, near the cor. of secs. 2, 3, 34 and 35, T. 83 and 84 N., R. 6 W., 18 ft N., 47 ft W., and 1.9 ft lower than the center of the T-rd. S., on top and at the S. end of a round concrete culvert; a chiseled square, painted "UE 18 D 857.5"	857.82

10
MARION QUADRANGLE
142 - Iowa

LINE 5 (Cont'd)

MARION QUAD. 142

Feet

2 34 20.7 "1 CDL 1966" (Described in Line 1)

818.433

LINE 6

SHORT LINE SOUTH NEAR CENTER WEST BORDER (By D. D. Bolin, 1966, Book CV-2042)

MARION QUAD. 142

3 39 0.0 At Toddville, 134 yards S. of the C. R. I. & P. RR. station, 2 poles
S. of milepost 10, at 145 ft wooden trestle 99, in top of the W. end
of the N. stone abutment, 3.5 ft S. of the back wall, 10 ft W. of the
center of the track and 3 ft lower than the track; a USC&GS standard
disk stamped "U 75 1934"

768.935

0.0 At Toddville, on the C. R. I. & P. RR., 1 pole S. of milepost 10, 120 ft
W. of the center of the track, at a 5 ft square Hwy. culvert, in top
of the center of the W. concrete headwall and 7 ft lower than the
track; a disk stamped "LINN CO. ENG. DEPT. 1903 2067" Elevation of
767.676 by G&GS could not be reconciled. New elevation by USGS

768.123

40 0.8 USC&GS "T 75 1934" (Described in Line 2)

777.062