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THIRD-ORDER LEVELS
SEA LEVEL DATUM OF 1929

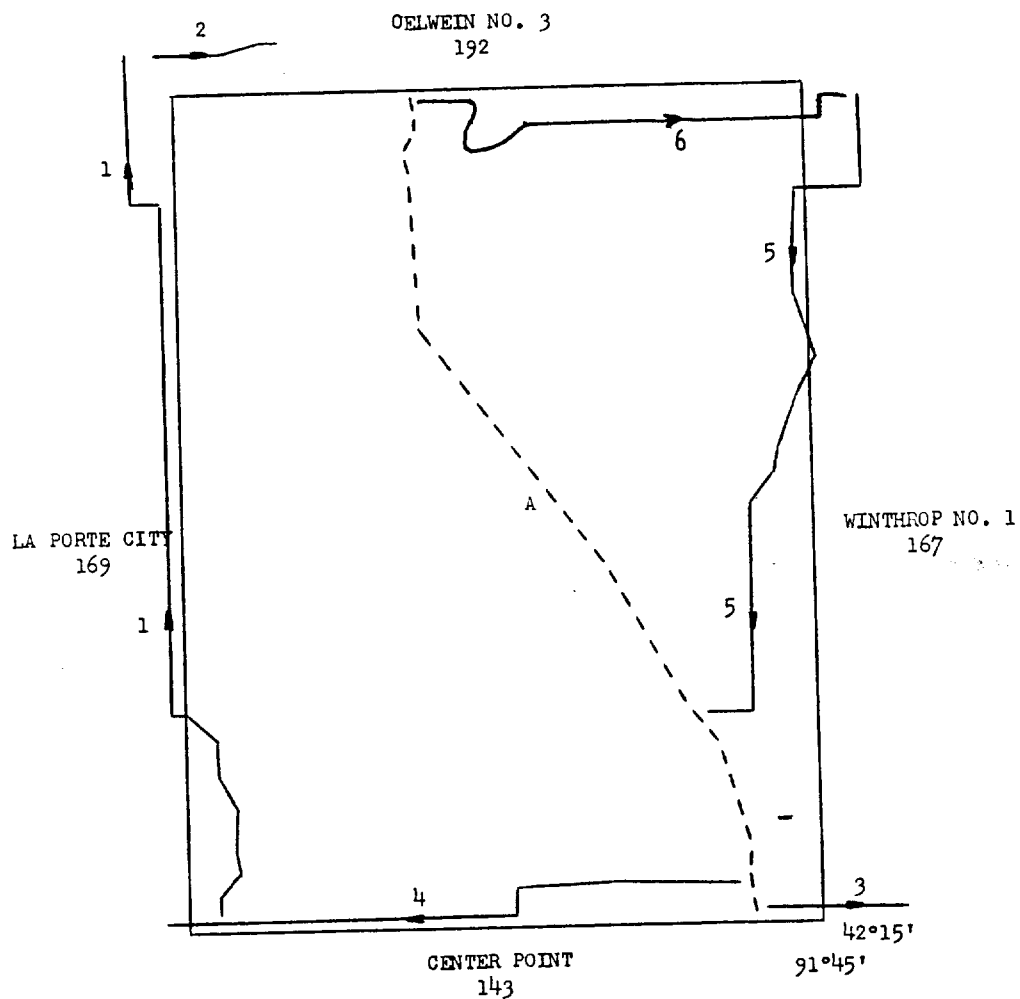
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

42-091-34
WINTHROP NO. 2 QUADRANGLE
168 - IOWA
N4215-W9145/15
DIAGRAM NK 15-6
DUBUQUE

Buchanan, Benton and Linn
Counties

Edition of:

PR: AKH/cb



N.G.S. (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle No. 420913

168B

42-091-34
WINTHROP NO. 2 QUADRANGLE
168 - IOWA

LINE 1FEET

C. L. Crutchfield, 1969; Book CV 2506

WINTHROP NO. 2 QUAD. - 168

- 1 27 0.0 UE 21 B, 1.5 mi W. along the dirt and gravel rd. from the tablet, near the cor. secs. 14, 15, 22 and 23, T. 86 N., R. 10 W., 20 ft S., 40 ft E. and 3.6 ft lower than the center of Hwy. "Q" and the E.-W. rd. crossing, on top of the S. end of the round concrete culvert; a chiseled square 816.815
- 27 0.7 UE 21 B 1, 0.7 mi N. along County Route "Q" from UE 21 B, center of T-rd. NW.; a copper washer and a concrete nail, painted "UE centerline" 818.00
- 28 1.7 UE 21 B 2, 1.6 mi N. along County Route "Q" from UE 21 B, center of crossroads; a copper washer and concrete nail, painted "UE centerline" 824.56
- 29 2.4 Brandon, 1.8 mi S. and 1.0 mi E. of, 0.2 mi NE. of the W. sixteenth cor. between secs. 2 and 11, T. 86 N., R. 10 W., 64 ft N. and 15 ft E. and 3.5 ft lower than center of bridge over Bear Creek on County Route "Q"; top of the NW. concrete bridge support; a standard tablet stamped "76 CLC 1969" 824.378
- 30 2.4 Reference mark, 6 ft S. and 25 ft W. and 3.6 ft higher than tablet; top of the NE. concrete bridge wheelguard; a chiseled square, painted "RM" 827.96
- 31 2.7 UE 76 A, 0.3 mi N. along County Route "Q" from tablet, center of T-rd. W.; a copper washer and concrete nail, painted "UE centerline" 857.55
- 32 3.3 UE 76 B, 0.9 mi N. along County Route "Q" from tablet, center of hwy. at E.-W. fence; a chiseled square, painted "UE centerline" 891.25
- 33 4.5 UE 76 C, 2.1 mi N. along County Route "Q" and "O" from tablet, 0.1 mi W. along State Hwy. 283 from jct. with "O", center of concrete bridge floor over Lime Creek; a chiseled square, painted "UE centerline" 836.61

LA PORTE QUAD. - 169

- 34 5.4 At Brandon, at the SW. city limits, 0.3 mi N. of the cor. secs. 27, 28, 33 and 34, T. 87 N., R. 10 W., about 210 ft N. of T-rd. E., 29 ft E. and 4.8 ft lower than center of concrete hwy. at an E.-W. drain crossing, in top of a large concrete tile culvert; a standard tablet stamped "77 CLC 1969" 836.490
- 35 5.4 Reference mark, 29 ft W. and 4.8 ft higher than tablet, center of hwy. at drain crossing; a chiseled square, painted "RM" 841.33
- 36 5.7 UE 77 A, 0.3 mi N. along County Route "O" from tablet; center of T-rd. W.; a chiseled square, painted "UE centerline" 885.00
- 37 6.8 UE 77 B, 1.4 mi N. along County Route "O" from tablet, 33 ft N. and 33 ft E. and 0.3 ft lower than T-drive E., on the W. side of a power pole; a RR. spike, painted "UE" 922.71
- 38 7.2 UE 77 C, 1.7 mi N. along County Route "O" from tablet, 19 ft NE., 27 ft E. and 1.9 ft lower than crossroads, top of the N. end of a concrete tile culvert; a chiseled square, painted "UE" 926.48
- 39 8.4 UE 77 D, 2.9 mi N. along County Route "O" from tablet, 23 ft S. and 23 ft E. and 2.0 ft lower than center of N.-S. gravel rd. at E.-W. fence; top of the S. end of a concrete culvert; a chiseled square, painted "UE" 930.88
- 40 9.3 Shady Grove, 1.0 mi S. and 2.5 mi E. of; near the cor. secs. 3, 4, 9 and 10, T. 87 N., R. 10 W., 700 ft N. and 14 ft W. and 1.8 ft lower than T-rd. E., in the center of the W. headwall of a concrete box culvert; a standard tablet stamped "8 CLC 1969" 943.723

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LINE 1 (Cont'd)	LA PORTE QUAD. - 169	FEET
1 41 9.3 Reference mark, 27 ft E. and 0.4 ft higher than tablet, in the center of the E. headwall of a concrete box culvert; a chiseled square, painted "RM"		944.14
42 10.0 UE 78 A, 0.6 mi N. along County Route "O" from tablet, 9 ft N. and 34 ft E. and 2.0 ft lower than T-rd. W., on the W. side of a power pole; a RR. spike, painted "UE"		953.50
43 10.7 UE 78 B, 1.4 mi N. along County Route "O" from tablet, 36 ft S. and 40 ft W. and 2.8 ft lower than T-rd. W., on the W. side of a power pole; a 40 penny nail, painted "UE"		966.80
44 11.2 UE 78 C, 1.9 mi N. along County Route "O" from tablet, center of crossroads; not painted		976.0
45 11.7 UE 78 D, 2.4 mi N. along County Route "O" from tablet, 23 ft N. and 31 ft W. and 1.1 ft lower than T-rd. W.; top of the N. end of a concrete tile culvert; a chiseled square, painted "UE"		961.98
46 12.1 UE, Shady Grove, 1.8 mi N. and 2.5 mi E. of, 0.2 mi S. of the cor. secs. 21, 22, 27 and 28, T. 88 N., R. 10 W., 15 ft W. and 0.1 ft lower than center of N.-S. gravel rd. at a drain crossing, in the center of the W. headwall of a concrete box culvert; a steel washer flush with the headwall stamped "USBM"		956.83
47 12.1 Reference mark, 29 ft E. and 0.6 ft lower than washer, in the center of the E. headwall of a concrete box culvert; a chiseled square, painted "RM"		956.22
48 12.2 UE 79 A, 0.2 mi N. along County Route "O" from tablet, center of T-rd. E.; a concrete nail, painted "UE"		966.4
49 13.2 UE 79 B, 1.2 mi N. along County Route "O" from tablet, center of crossroads; a concrete nail, painted "UE"		964.4
50 13.2 UE 79 C, 2.2 mi N. along County Route "O" from tablet, 23 ft S. and 60 ft E. and 2.5 ft lower than crossroads; top of the S. end of a metal corrugated culvert; a punched hole, not painted		973.94
51 15.2 UE 79 D, 3.2 mi N. along County Route "O" from tablet, 19 ft N. and 42 ft W. and 2.6 ft lower than crossroads, top of N. end of a metal corrugated culvert; a punched hole, not painted		976.75
52 16.0 UE, Jesup, 0.5 mi S. and 2.5 mi E. of, near the NE. cor. sec. 4, T. 88 N., R. 10 W., 89 ft S. and 16 ft W. and 1.0 ft higher than center of U. S. Hwy. 20 and County Route "O", in the center of the W. headwall of a concrete box culvert; a steel washer stamped "U.S. BM"		999.32
53 16.0 Reference mark, 33 ft E. and 0.7 ft lower than washer, in center of the E. headwall of a concrete box culvert; a chiseled square, not painted		998.66
54 16.7 UE 80 A, 0.8 mi W. along U.S. Hwy. 20 from tablet, center of T-rd. N.; concrete nail and copper washer, not painted		976.8
55 16.7 UE 80 B, 0.8 mi W. along U.S. Hwy. 20, thence 0.5 mi N. along a county rd. from tablet, center of N.-S. rd. at E.-W. RR. crossing; top of N. rail, not painted		981.91
56 17.7 UE 80 C, 0.8 mi W. along U.S. Hwy. 20, thence 1.0 mi N. along a County rd. from tablet, center of crossroads; a concrete nail, not painted		984.2
57 18.7 UE 80 D, 0.8 mi W. along U.S. Hwy. 20, thence 2.0 mi N. along a County Rd. from tablet, 15 ft S. and 32 ft W. and 3.1 ft lower than T-rd. E.; top of the S. end of a metal culvert; a punched hole, not painted		970.95

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WINTHROP NO. 2 QUADRANGLE
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LINE 1 (Cont'd)DUNKERTON QUAD. - 193FEET

- 1 58 19.2 UE 74 A, 0.5 mi E. along a county rd. from bolt, 43 ft S. and 25 ft E. and 2.1 ft lower than T-rd. S., top of the E. end of a concrete tile culvert; a chiseled square, painted "UE" 965.77

LINE 2

C. L. Crutchfield, 1969; Book CV 2490

DUNKERTON QUAD. - 193

- 4 24 13.4 UE 74 A (described in Line 1) 965.77
- 25 13.8 UE 74 B, 1.0 mi E. along a county rd. from bolt, center of concrete bridge floor; a chiseled square, painted "UE centerline" 931.00

OELWEIN NO. 3 QUAD. - 192

- 26 14.4 UE 74 C, 1.6 mi E. along a county rd. from bolt, 24 ft S. and 96 ft E. and 2.3 ft lower than T-drive S., top of the S. end of a concrete tile culvert; a chiseled square, painted "UE" 950.50
- 27 15.4 UE 74 D, 2.5 mi E. along a county rd. from bolt, 23 ft S. and 220 ft W. and 0.6 ft lower than T-rd. S., top of the S. end of the most eastward of 3 concrete tile culverts; a chiseled square, painted "UE" 937.14
- 28 15.9 UE, Ottersville, 0.5 mi N. and 1.1 ft lower than center of bridge over Wapsipinicon River, top of a steel rivet stamped "U.S. BM" (This UE was intended for BM 75, which was omitted) 916.36
- 29 15.9 Reference mark, about 4.25 mi W. and 1.0 mi N. of Jct. Hwy. 150 and County Rd. "P", at Otterville bridge over Wapsipinicon River, on left downstream corner on end of wingwall; chiseled square 917.25
- 30 16.5 UE 68 C, 2.4 mi SE. along a county rd. from tablet, 50 ft S. and 95 ft W. and 3.8 ft lower than T-rd. N. on the N. side of a power pole; a pole spike and collar (USGS Water Resources) painted "UE 68 C" 920.94

LINE 3

C. D. Lien, 1966; Book CV 2044

WINTHROP NO. 2 QUAD. - 168

- 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 USC&GS standard disk stamped "L 75 1934" 838.693
- 0.2 UE, T. 86 N., R. 8 W., near the cor. secs. 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 833.81
- 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, 905.04

WINTHROP NO. 1 QUAD. - 167

- 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 923.14
- 2.3 UE, 2.27 mi E. along rd. from tablet, near the SW. sixteenth cor. sec. 13, the NW. sixteenth cor. 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
- 3.1 T. 86 N., Rs. 7 and 8 W., in the NW. cor. 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

D. D. Bolin, 1966; Book CV 2042	LINE 4	WINTHROP NO. 2 QUAD. - 168	FEET
0.0 USC&GS "L 75 1934" (described in Line 3)			838.693
0.4 UE L A Centerline, 0.4 mi W. along the dirt and gravel rd. from the disk, at the quarter cor. between secs. 16 and 21, T. 86 N., R. 8 W., in the center of State Hwy. 150 at the E.-W. rd. crossing; a rail spike			877.83
1.1 0.5 mi N. and 0.6 mi W. of disk L 75, near the center of sec. 16, T. 86 N., R. 8 W., 13 ft S. of the center of the dirt and gravel rd., 375 ft W. of the center of State Hwy. 150 at the T-rd. W., on top and in the center of the S. headwall of the small concrete bridge; a Linn County Engr. Dept. brass cap stamped "996 1929" (elev. by USGS)			862.580
2.3 Reference mark, 30 ft ENE. of the tablet, 32 ft N. and 31 ft E. of the T-rd. S., on the SW. root of maple tree, 3 ft in diameter; a steel screw and washer			918.82
2.3 Walker, 2.0 mi S. and about 1.7 mi W. of, near the W. sixteenth cor. between the NW $\frac{1}{4}$ and the SW $\frac{1}{4}$ sec. 17, T. 86 N., R. 8 W., 29 ft N., 2 ft E. and 0.7 ft lower than the center of the T-rd. S., 6 ft E. of the corner fence post, and in the SW. corner of the farmyard, on top of a concrete post; a standard tablet stamped "19 DDB 1966 918"			918.416
3.3 UE 19 A, 1.0 mi W. along County Rd. "F-52 from the tablet, near center sec. 18, T. 86 N., R. 8 W., 30 ft S., 33 ft W. and 3.7 ft lower than center of the T-rd. S. which is Linn County Rd. #10; on the E. side of a power pole; a rail spike			902.09
3.9 UE 19 B, 1.6 mi W. along County rd. #F-52, from the tablet, about 0.2 mi W. of the center sec. 13, T. 86 N., R. 9 W., 11 ft N. and 0.6 ft higher than center of iron and concrete bridge, on top and in center of the N. headwall; a chiseled square			830.55
4.3 UE 19 C, 2.0 mi W. along County rd. #F-52, from the tablet, near the W. sixteenth cor. sec. 13, T. 86 N., R. 9 W., 21 ft N., 66 ft W. and 1.9 ft lower than the center of crossroads, on top and on N. end of the round metal culvert; a punched hole			873.33
5.4 Reference mark, 212 ft ESE. of the tablet, on N. end of bottom step of the side entrance (E.) of the church; a chiseled square			930.46
5.5 Urban, 2.5 mi N. of, near quarter cor. between secs. 14 and 15, T. 86 N., R. 9 W., located in the NW. corner of Church and Cemetery yard, 21 ft N. and 199 ft W. of the N. entrance of the church, 48 ft S., 12 ft W. and 3.2 ft lower than center of the E.-W. rd. at the gate entrance of the cemetery, 14 ft E. of corner fence post; 3 ft S. of the S. right-of-way fence, on top of concrete post; a standard tablet stamped "20 DDB 1966"			927.756
6.1 UE 20 A, 0.1 mi W., thence 0.5 mi S. of the tablet, near cor. secs. 14, 15, 22 and 23, T. 86 N., R. 9 W., 19 ft N., 51 ft W. and 2.7 ft lower than center of T-rd. W., on top of the N. end of the round metal culvert; a punched hole			876.72
6.4 UE, center of bridge, 0.3 mi W. of cor. secs. 14, 15, 22 and 23, T. 86 N., R. 9 W., in center of wooden bridge; a rail spike			854.3
7.1 UE 20 B, 0.5 mi S., thence 1.1 mi W. of tablet, near cor. secs. 15, 16, 21 and 22, T. 86 N., R. 9 W., 23 ft S., 40 ft W. and 3.7 ft lower than center Hwy. 101 and the E.-W. gravel rd. crossing, on top and on the S. end of the round concrete culvert; a chiseled square			917.06
8.1 UE 20 C, 0.5 mi S. thence 2.1 mi W. along the dirt and gravel rd. from the tablet, near cor. secs. 16, 17, 20 and 21, T. 86 N., R. 9 W., 33 ft S., 33 ft E. and 2.8 ft lower than the center of crossroads, on the N. side of a power pole; a rail spike			931.22
9.1 UE 20 D, 0.5 mi S., thence 3.0 mi W. along the dirt and gravel rd. from tablet, near cor. secs. 17, 18, 19 and 20, T. 86 N., R. 9 W., 32 ft S., 31 ft W. and 2 ft lower than center of crossroads, on N. side of powerline bracing pole			901.82

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WINTHROP NO. 2 QUADRANGLE
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LINE 4 (Cont'd)WINTHROP NO. 2 QUAD. - 168

FEET

- 9.6 UE 20 E, 0.2 mi S., thence 3.5 mi W., along the dirt and gravel rd. from the tablet, near the quarter cor. between secs. 18 and 19, T. 86 N., R. 9 W., 25 ft N., 13 ft W. and 3.6 ft lower than the center of the T-rd. S., on top and on the W. end of a round metal culvert; a punched hole 900.55
- 10.0 UE 20 Centerline, about 0.1 mi E. along the dirt and gravel rd. from cor. secs. 13, 18, 19 and 24, T. 86 N., Rs. 9 and 10 W., in the center of the wooden bridge; a copper nail and washer 875.24
- 10.5 Urban, 2.0 mi N. and 4.6 mi W. of, near quarter cor. between secs. 13 and 24, T. 86 N., R. 10 W., 34 ft N., 31 ft W. and 2.3 ft lower than the center of the crossroads, 4 ft E. of the corner fence post, on top of concrete post; a standard tablet stamped "21 DDB 1966" 901.350
- 10.6 Reference mark, 65 ft S. of the tablet, 30 ft S. and 19 ft W. of the center of the crossroads, on top and on the W. end of the round metal culvert; a punched hole 900.68
- 11.5 UE 21 A, 1.0 mi W. along the dirt and gravel rd. from the tablet, near the quarter cor. between secs. 14 and 23, T. 86 N., R. 10 W., 18 ft N. and 0.9 ft lower than the center of the rd., on top and on the most westerly concrete round culvert; a chiseled square 844.86
- 12.1 UE 21 B, 1.5 mi W. along the dirt and gravel rd. from the tablet, near cor. secs. 14, 15, 22 and 23, T. 86 N., R. 10 W., 20 ft S., 40 ft E. and 3.6 ft lower than the center of Hwy. "Q" and the E.-W. rd. crossing, on top of the S. end of the round concrete culvert; a chiseled square 816.81
- 12.8 UE 21 C Centerline, 2.2 mi W. along the dirt and gravel rd. from the tablet, about 0.3 mi W. along the rd. from the cor. secs. 15, 16, 21 and 22, T. 86 N., R. 10 W., at the center of the iron and wooden bridge over Bear Creek; a copper nail and washer 800.72
- 13.1 UE 21 D, 2.5 mi W. along the dirt and gravel rd. from the tablet, near the cor. secs. 15, 16, 21 and 22, T. 86 N., R. 10 W., 25 ft N., 27 ft W. and 3.6 ft lower than the center of the crossroads, on top and on the E. end of the round metal culvert; a punched hole 838.33

LA PORTE QUAD. - 169

- 13.5 T. 86 N., R. 10 W., just SE. of the quarter cor. between secs. 16 and 21, 73 ft S. and 110 ft E. of center of crossroads, 20 ft SSE. of the telephone pole, 4 ft E. of witness post; a standard USGS tablet stamped "ET 6 DOS 1966 892" set in a concrete post flush with the ground (NOTE: R.M. not feasible) 891.955

LINE 5R.R. Blaser, 1973; Book CV-3034OELWEIN QUAD. NO. 4 - 191

- 1 6 0.0 Winthrop, 2.0 mi N. and 0.5 mi E. of; near cor. secs. 19, 24, 25 and 30, T. 89 N., R. 7 and 8 W., approx. 250 ft W. of T-rd. N.; on NE. wingwall of 200 ft concrete bridge over Buffalo Creek; standard tablet stamped "11 LL 1964" 1018.272

WINTHROP QUAD. NO. 1 - 167

- 8 1.2 UE L 1, T. 89 N., R. 8 W., near the E. sixteenth cor. between secs. 25 and 36, in the centerline of T-rd. E.; a R.R. spike 1027.35
- 9 2.2 UE L 2, T. 89 N., R. 8 W., near the SW. cor. of the SE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of sec. 36, 28 ft N. and 20 ft E. and 1.5 ft lower than centerline of T-rd. N., on E. end of 2.0 ft concrete culvert; chiseled square 1056.49

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WINTHROP NO. 2 QUADRANGLE
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LINE 5 (Cont'd)WINTHROP NO. 1 QUAD. - 167FEET

- 1 10 3.3 Reference mark, 110 ft ESE. of BM, 100 ft S. and 25 ft E. and 2.0 ft lower than centerline of T-rd. S. on E. end of a 3.0 ft concrete culvert, a chiseled square 1037.15

WINTHROP NO. 2 QUAD. - 168

- 11 3.4 Winthrop, about 0.5 mi S. and about 0.75 mi W. of, T. 88 N., R. 8 W., near the N. cor. of secs. 2 and 3, 57 ft S. and 76 ft W. and 3.5 ft lower than T-rd. S., 2.0 ft E. of USGS witness sign, 2.0 ft E. of power pole, standard tablet on copper rods set flush with ground, stamped "1 ROD 1973" 1035.695
- 12 4.3 UE 1 A, T. 88 N., R. 8 W., near the N. sixteenth cor. between secs. 10 and 11 in centerline of T-rd. E., a R.R. spike 1011.75
- 13 5.1 UE 1 B, T. 88 N., R. 8 W. near the cor. of secs. 10, 11, 14 and 15, in centerline of T-rd. E., a R.R. spike 1028.11
- 14 6.1 UE 1 C, T. 88 N., R. 8 W., near the cor. of secs. 14, 15, 22 and 23, 25 ft N. and 48 ft W. and 2.6 ft lower than centerline of crossroads on N. end of 4.0 ft concrete culvert, a chiseled square 963.11
- 15 6.5 Reference mark, 86 ft NE. of BM, 14 ft S. and 50 ft E. and 6.7 ft lower than centerline of road at field entrance E. on S. end of a 3.0 ft concrete culvert; chiseled square 935.13
- 16 6.5 BM, Winthrop, about 3.7 mi S. and about 0.75 mi W. of, Quasqueton, about 2.25 mi N. and about 0.5 mi E. of, T. 88 N., R. 8 W., about 600 ft N. and about 200 ft E. of the quarter cor. between secs. 22 and 23, 47 ft N. and 14 ft W. and 0.7 ft higher than center of bridge on N. end of W. curb, a standard tablet on concrete bridge, stamped "2 ROD 1973" 942.786
- 17 7.3 UE 2 A, T. 88 N., R. 8 W. about 750 ft S. and about 600 ft E. of cor. of secs. 22, 23, 26 and 27, 21 ft SE. and 8 ft NE. and 2.1 ft lower than centerline of hwy. at box culvert; on E. headwall of twin 11 ft box culvert, Iowa Hwy. Commission BM 919.31
- 18 8.3 UE 2 B, T. 88 N., R. 8 W., about 250 ft S. and about 550 ft E. of the quarter cor. between secs. 27 and 34, in centerline of road at drive W. to cemetery, R.R. spike most southerly of two drives to cemetery 891.52
- 19 8.8 BM, Quasqueton, about 0.2 mi SW. of, T. 88 N., R. 8 W. near the center of sec. 34, 212 ft SW. along bridge and 14 ft NW. of centerline of hwy. and 5.1 ft higher than center of bridge, a standard tablet set in concrete on SW. end of NW. curb, stamped "3 ROD 1973" 893.640
- 20 8.9 Reference mark, 236 ft SW. of BM, 32 ft S. and 97 ft W. and 1.4 ft lower than centerline of hwy. at road W. in NE. side of power pole, a R.R. spike 895.42
- 21 9.4 UE 3 A, Ts. 87 and 88 N., R. 8 W. near the quarter cor. between secs. 3 and 34, 18 ft N. and 38 ft W. and 4.6 ft lower than centerline of road at field entrance W. on N. end of 3.0 ft steel corrugated culvert; copper nail and washer 885.29
- 22 10.6 UE 3 B, T. 87 N., R. 8 W. near the cor. of secs. 3, 4, 9 and 10, 7 ft S. and 39 ft E. and 2.1 ft lower than centerline of T-rd. W. (rd. E. offset N.) on S. end of 3.0 ft concrete culvert; chiseled square 918.76
- 23 11.6 UE 3 C, T. 87 N., R. 8 W. near the cor. of secs. 9, 10, 15 and 16, in centerline of road at fence W., a R.R. spike (most southerly of two fences W.) 926.71
- 24 11.6 Reference mark, 52 ft NW. of BM, 27 ft S. and 85 ft W. and 4.5 ft lower than centerline of crossroads, on E. end of 2.0 ft steel corrugated culvert a copper nail and washer 900.73

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WINTRHOP NO. 2 QUADRANGLE
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LINE 5 (Cont'd)WINTRHOP QUAD. NO. 2 - 168FEET

- 1 25 12.6 BM, Quasqueton, about 3.5 mi S. and about 0.5 mi W. of, T. 87 N., R. 8 W., near the cor. of secs. 15, 16, 21 and 22, in the NE. cor. of church, 66 ft S. and 50 ft W. and 2.5 ft lower than centerline of crossroads; 5 ft W. of W. bank of the N.-S. road ditch, standard tablet on copper rods set flush with ground stamped "4 ROD 1973" 902.698
- 26 13.6 UE 4 A, T. 87 N., R. 8 W. near the cor. of secs. 21, 22, 27 and 28, 14 ft N. and 62 ft W. and 6.4 ft lower than centerline of road at field entrance W. on the N. end o 2.0 ft steel corrugated culvert; copper nail and washer 923.96
- 27 14.6 UE 4 B, T. 87 N., R. 8 W. near the cor. of secs. 27, 28, 33 and 34, in the centerline of crossroads; a R.R. spike 938.07
- 28 15.7 UE 4 C, T. 87 N., R. 8 W. near the cor. of secs. 28, 29, 32 and 33, 24 ft S. and 39 ft W. and 2.7 ft lower than centerline of crossroads on S. end of 2.0 ft concrete culvert; a chiseled square 934.07
- 29 16.0 BM, 1.5 mi NW. along the Chicago, Rock Island & Pacific R.R. from the station at Walker, Linn County, 6 poles NW. of milepost 26, at a road crossing, 43 ft NE. of the centerline of the track, 10 ft SE. of the centerline of the road, 5 ft SW. of a point 20 ft SE. of a right of way fence corner, and level with the track, a standard USC&GS disk stamped "J 75 1934" and set in the top of a concrete post 920.940

LINE 6

D. Lien, 1977; Book CV-3390

WINTRHOP NO. 2 QUAD. - 168

- 2 37 0.0 BM, 2.2 mi NW. along the Chicago, Rock Island & Pacific R.R. from the station at Independence Buchanan County, 1.5 poles NW. of milepost 41, 175 yards NW. of the center of a road crossing, at a 4 by 6 ft stone culvert, in the top of the SE. end, 9 ft NE. of the centerline of the track, and about 2 ft NE. of the centerline of the track, and about 2 ft lower than the track, a standard USC&GS disk stamped "Z 74 1934" 928.578
- 37 0.8 UE Z 74 A, 0.8 mi E. along road from tablet, on top of a spike in centerline of crossroads, Hwy. 150 and county road D-16 937.4
- 39 2.1 UE Z 74 B, 1.3 mi E. and 0.79 mi SW. along road from tablet, 36 ft N. and 24 ft W. and 0.6 ft higher than I-rd. W. and 7 ft N. of a fence corner, a R.R. spike in a fence post 988.25
- 41 3.1 Reference mark, 19 ft N. of road at drain and 39 ft N. and 9 ft W. of tablet, a chiseled square on a round 4 ft culvert, the most westerly one of two 4 ft concrete culverts 963.71
- 42 3.1 Independence, at the junction of State Hwy. 150 and U.S. Hwy. 20, 1 mi N. and 1 mi E. of; T. 89 N., R. 9 W., near the E. sixteenth cor. between secs. 26 and 35, 0.68 mi E. along 14th St. NE. from the crossing of the 14th St. NE. and 8th Ave. NE. in the NE. cor. of Independence, 20 ft S. of road at drain and about 300 ft E. of centerline of road at N.-S. fence line; cemented in the top of a 4 ft round concrete culvert, a standard tablet stamped "1 CDL 1976" 963.275
- 43 4.1 UE 1 A, 1 mi E. along road from tablet, 15 ft S. and 69 ft E. of centerline of bridge, 0.7 ft higher than centerline of bridge, a chiseled square in the SE. cor. of wingwall of bridge 963.15

LINE 6 (Cont'd)

WINTHROP NO. 2 QUAD. - 168

FEET

- 2 44 5.3 UE 1 B, 2.14 mi E. along road from tablet, 12 ft N. and 5 ft E. of; and level with centerline of road over drain, and 190 ft E. of a steel tower powerline crossing road, a chiseled square in the NE. cor. of a concrete box culvert 1008.32
- 46 6.5 Reference mark, 33 ft N. and 14 ft W. of centerline of road at a drive N. and 49 ft N. and 383 ft W. of tablet, a punched hole in the W. end of a metal culvert under drive W. 976.38
- 47 6.6 BM, Independence, 1.5 mi N. and 4.25 mi E. of; T. 89 N., R. 8 W., near the quarter cor. between secs. 28 and 29, 16 ft S. and 69 ft E. of; centerline of bridge cemented in the SE. cor. of a concrete bridge over Pine Creek, a standard tablet stamped "2 CDL 1977" 969.741
- 50 7.8 UE 2 A, 1.15 mi E. along road from tablet, 28 ft N. and 24 ft E. of; and 2 ft lower than crossroads, a chiseled square on a concrete culvert 1007.68
- 52 8.9 UE 2 B, 2.25 mi E. along road from tablet, 11.3 ft S. and 9.3 ft E. of; and 2 ft lower than centerline of bridge on top of a 20 penny spike in the SE. wingwall of a wooden bridge 1020.34

WINTHROP NO. 1 QUAD. - 167

- 54 9.8 Reference mark, 36.5 ft N., 32.4 ft W. of centerline of road at N.-S. fence line, 36.5 ft N. and 17 ft W. of centerline of road at field entrance N. and 77.5 ft N. and 49.7 ft W. of tablet, a punched hole in the W. end of a metal culvert under field entrance N. 1034.90
- 55 9.8 BM, Independence, at the junction of U.S. Hwy. 20 and State Hwy. 150, 1.5 mi N. and 7.25 mi E. of; T. 89 N., R. 8 W., near the quarter cor. between secs. 25 and 26, 41 ft S. and 17.3 ft E. of centerline of road at N.-S. fence lines, 0.6 ft N. and 17.3 ft E. of a right-of-way fence corner set on top of a 0.5-in. copper coated steel rod which is set inside of a 6-in. clay tile, a standard tablet stamped "3 CDL 1977" 1036.804
- 56 10.5 UE 3 A, 0.5 mi N. and 0.25 mi E. along road from tablet, 42 ft S. and 42 ft E. of centerline of road at I.-rd. S., a chiseled square on NW. cor. of a concrete foundation for a underground cable box 1079.81

OELWEIN NO. 4 QUAD. - 191

- 57 11.0 UE, quarter mi W. of cor. secs. 19, 24, 25 and 30, 30 ft N. and 15 ft W. of I.-rd. S. side of powerline pole; head of a R.R. spike 1014.720