

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

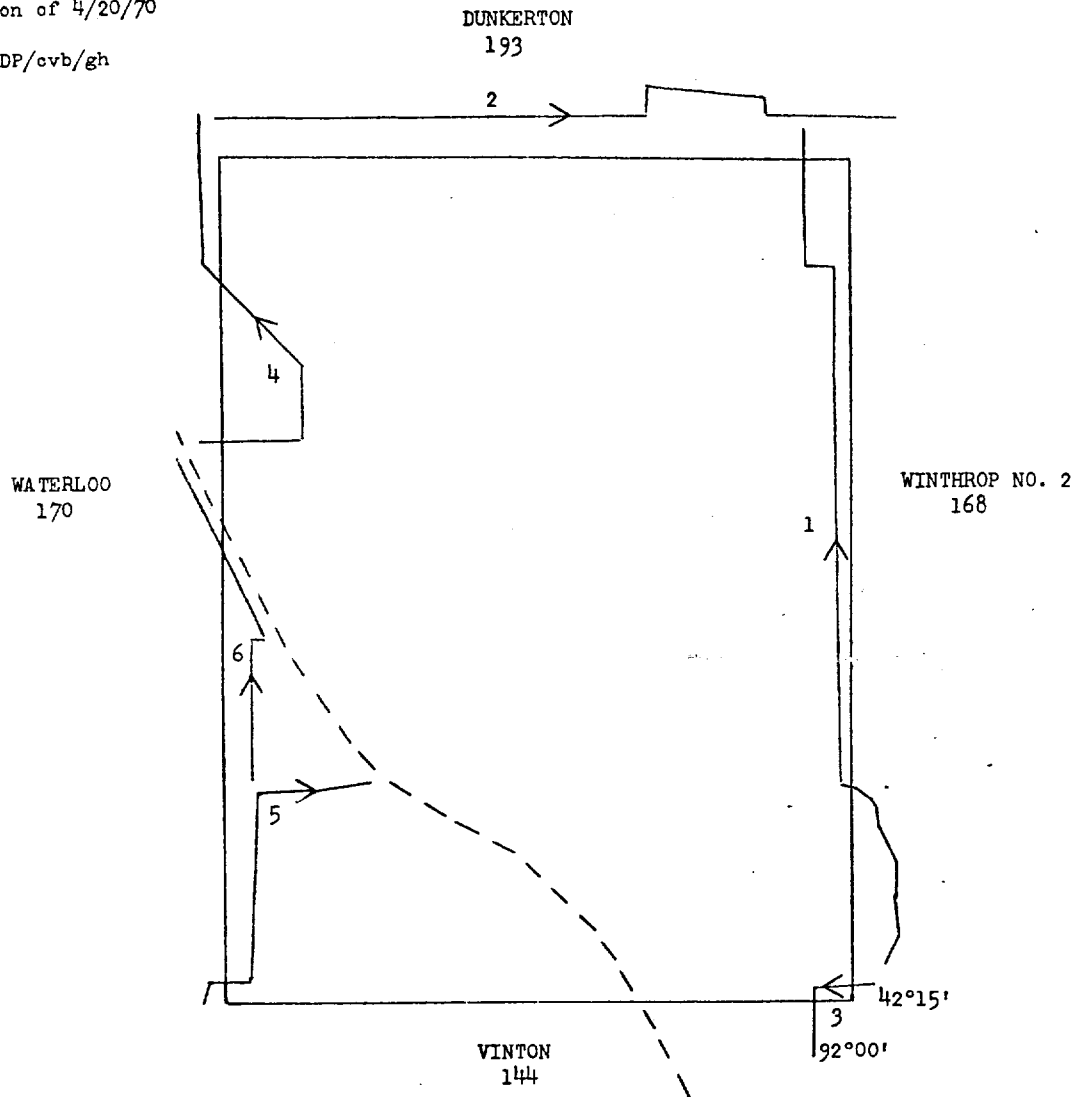
FINAL ADJUSTMENT OF 1970

Blackhawk, Buchanan, Tama
and Benton Counties

Edition of 4/20/70

PR: ADP/cvb/gh

LA PORTE QUADRANGLE
169 - IOWA
N4215-W9200/15
DIAGRAM NK 15-5
WATERLOO



USC&GS VERTICAL CONTROL DATA
A. Quadrangle 420922

1693

LINE 1

FEET

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. of 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 cross-roads; 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

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 "0" 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 "0" 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 "0" from tablet; center of crossroads, not painted	976.0
45 11.7	UE 78 D, 2.4 mi N. along County Route "0" 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 "0" 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 "0" 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 "0" 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 "0" 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 "0", 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

LINE 1 (Cont'd)

DUNKERTON QUAD. - 193

FEET

- 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 4 0.0 Dewar, Black Hawk County, 2.1 mi SW. along the Chicago Great Western RR. from;
500 ft SE. of East Waterloo Township School 8, 41.5 ft SW. of pole 267+19,
46 ft S. of the center of the track, and 31 ft E. of the center of a rd. crossing;
USC&GS standard disk stamped "P 11 1933" and set in the top of a concrete
post 876.652
- 4 0.1 Reference mark, 410 ft N. of tablet, 21 ft S. and 28 ft E. and 0.5 ft lower than
crossroads, in the center of the S. end of a concrete box culvert; a chiseled
square, not painted 881.29
- 5 1.3 UE P 11 A, 1.26 mi E. along a County Rd. from "RM", 30 ft N. and 15 ft E. and
1.8 ft lower than T-rd. N., top of the E. end of a concrete tile culvert;
a chiseled square, not painted 877.24
- 6 2.1 UE P 11 B, 2.0 mi E. along a County Rd. from "RM", center of crossroads; a brass
washer embedded in concrete, not painted 949.73
- 7 3.0 Dewar, 1.0 mi S. and 0.9 mi E. of; 0.1 mi W. of the cor. secs. 13, 18, 19, and
24, T. 89 N., R. 11 and 12 W., 10.5 ft N. and 0.9 ft higher than center of E.-W.
gravel rd. at a small drain crossing, in the center of the N. end of a concrete
box culvert; a standard tablet stamped "70 CLC 1969" 964.446
- 8 3.0 Reference mark, 21 ft S. and 0.5 ft higher than tablet, in the center of the S.
headwall of a concrete box culvert; a chiseled square, not painted 964.90
- 9 4.1 UE 70 A, 1.1 mi E. along a County Rd. from tablet, 18 ft N. and 32 ft W. and 2.8
ft lower than crossroads, top of the N. end of a concrete tile culvert; a
chiseled square, not painted 958.11
- 10 4.5 UE 70 B, 1.5 mi E. along a county rd. from tablet, center of a concrete floor
bridge over a drain, not painted 927.35
- 11 5.1 UE, 2.1 mi E. along a county rd. from tablet, top of a brass plug stamped 16,
17, 20 and 21, near the center of crossroads, in the W. lane of N.-S. concrete
hwy. 281, flush with concrete, not painted 973.97
- 12 6.0 Dewar, 1.0 mi S. and 3.9 mi E. of, 0.12 mi W. of the cor. secs. 15, 16, 21
and 22, T. 89 N., R. 11 W., 17 ft N. and 700 ft W. and 5.5 ft lower than
crossroads, top of the N. end of a concrete tile culvert; a standard tablet
stamped "CLC 1969" (BM 72 CLC 1969) 984.841
- 13 6.0 Reference mark, 35 ft S. and 0.2 ft lower than tablet, top of the S. end of a
concrete tile culvert; a chiseled square, not painted 984.59
- 14 7.1 UE 72 A, 1.1 mi E. along a county rd. from tablet, 23 ft S. and 28 ft E. and
3.2 ft lower than crossroads, in top of the S. end of a concrete tile culvert;
a chiseled square, not painted 971.45
- 15 8.1 UE 72 B, 2.1 mi E. along a county rd. from tablet, 30 ft S. and 22 ft E. and 2.9
ft lower than T-rd. S., top of the E. end of a concrete tile culvert; a
chiseled square, painted "UE" 977.02
- 16 9.2 Jesup, 2.5 mi N. and 1.5 mi W. of; 0.1 mi N. of the cor. secs. 13, 18, 19 and
24, T. 89 N., Rs. 10 and 11 W.,
11.5 ft E. and 0.3 ft lower than center of N.-S. rd. at a small drain crossing
in the center of the E. headwall of a concrete box culvert; a standard tablet
stamped "73 CLC 1969" 976.239

LINE 2 (Cont'd)

DUNKERTON QUAD. - 193

FEET

- 4 17 9.2 Reference mark, 23 ft W. and 0.3 ft lower than tablet, in the center of the W. headwall of a concrete box culvert; a chiseled square, painted "RM" 975.91
- 18 9.9 UE 73 A, 0.6 mi N. along a county rd. from tablet, 42 ft S. and 32 ft W. and 3.5 ft lower than T-rd. S., on the S. side of a power pole; a RR. spike, painted "UE" 971.34
- 19 10.9 UE 73 B, 0.6 mi N. and 1.0 mi E. along a county rd. from tablet, center of crossroads; a chiseled square, center of hwy. painted "UE" 970.22
- 20 12.1 UE 73 C, 0.6 mi N. and 2.2 mi E. along a county rd. from tablet, 32 ft S. and 10 ft W. and 2.9 ft lower than T-drive S., top of the W. end of a metal corrugated culvert; a punched hole, painted "UE" 986.37
- 21 12.4 UE 73 D, 0.6 mi N. and 2.5 mi E. along a county rd. from tablet, 35 ft S. and 56 ft W. and 1.2 ft lower than T-rd. W., on the S. side of a corner fence post; a RR. spike, painted "UE" 977.24
- 22 12.9 UE, Jesup, 2.5 mi N. and 1.0 mi E. of; near the center of secs. 16 and 21, T. 89 N., R. 10 W., 87 ft NE. and 15 ft W. and 1.2 ft lower than T-rd. E., in the center of the W. headwall of a concrete box culvert; a steel bolt stamped "U.S. BM" (This UE was intended for BM 74 which was omitted) 961.41
- 23 12.9 Reference mark, 30 ft E. and 0.4 ft lower bolt, in the center of the E. headwall of a concrete box culvert; a chiseled square, painted "RM" 961.04
- 24 13.4 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" (also 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

LINE 3

D. D. Bolin, 1966; Book CV 2042

WINTHROP NO. 2 QUAD. - 168

- 12.8 UE 21 C CL, 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

LINE 3 (Cont'd)

LA PORTE QUAD. - 169

NET

- 13.5 T. 86 N., R. 10 W., just SE. of the quarter cor. between secs. 16 and 21, 73 ft S. 110 ft E. of center of crossroads, 20 ft SSE. of the telephone pole, 4 ft E. of witness post; a standard tablet stamped "ET 6 DOS 1966 892", set in a concrete flush with the ground (NOTE: RM not feasible) 81.955

VINTON QUAD. - 144

- 14.1 UE T A, 0.6 mi S. along the dirt and gravel rd. from the tablet, near the center sec. 21, T. 86 N., R. 10 W., 77 ft N., 11 ft E. and 1.2 ft higher than center of the concrete bridge over Bear Creek, on top and on the N. end of the E. concrete railing; a chiseled square 798.89
- 14.6 UE TT A, 1.0 mi S. along the rd. from the tablet, near the quarter cor. between secs. 21 and 28, T. 86 N., R. 10 W., 23 ft N., 35 ft E. and 2 ft lower than the center of the crossroads, on top and on the N. end of a round metal culvert; a punched hole 796.62
- 15.7 UE TT B, 2.1 mi S. along the rd. from the tablet, near the quarter cor. between secs. 28 and 33, T. 86 N., R. 10 W., 32 ft N., 120 ft W. and 4.3 ft lower than the center of State Hwy. 101 at the Y-rd. NW. at the E. entrance to the concrete block building on the S. side of the concrete walk; a chiseled square 834.64
- 16.4 At the Vinton airport, located in the NW $\frac{1}{4}$ sec. 33, T. 86 N., R. 10 W., 108 ft NW. of the NW. corner of the main hangar, on the SW. corner of the concrete foundation of the gas pumps; a standard tablet stamped "22 DDB 1966" 840.056

LINE 4

R. S. Heglin, 1961; Book CV 1382

WATERLOO QUAD. - 170

- 0.0 Washburn, about 0.5 mi N. along the Chicago, Rock Island and Pacific RR. from, at bridge 1439, and in top of the E. end of the S. abutment; a State Survey standard disk stamped "7-3" (elev. by USC&GS) 831.822
- 1.3 UE 73 A, T. 88 N., R. 12 W., near W. sixteenth cor. between secs. 21 and 28, 30 ft S., 21 ft E. and 1.8 ft lower than T-rd. N.; rail spike in powerline pole 828.58
- 2.5 UE 7-3 B, T. 88 N., R. 12 W., near center of NW $\frac{1}{2}$ sec. 21, 105 ft E., 26 ft N. and 0.5 ft lower than rd. fork, 9 ft SW. of RR.; rail spike in powerline pole 828.80
- 3.4 Reference mark, 156 ft SW. of tablet, at SE. corner of field, 95 ft S., 40 ft W. and 4.7 ft lower than rd. at drive E., rail spike in powerline pole 826.22
- 3.4 Gilbertsville, 0.5 mi N. and 1.0 mi W. of, T. 88 N., R. 12 W., near center SW $\frac{1}{4}$ sec. 15, 50 ft N. and 33 ft E. of rd. at drive E., in concrete post; a standard tablet stamped "1 RSH 1961 831" 830.749 ✓
- 4.5 UE 1 RSH A, T. 88 N., R. 12 W., near center SW $\frac{1}{4}$ sec. 10, 60 ft S., 35 ft W. and 1.9 ft higher than rd. fork; rail spike in powerline pole 853.83
- 5.6 UE 1 RSH B, T. 88 N. R. 12 W. near E. sixteenth cor. between secs. 4 and 9, 75 ft S., 120 ft E. and 0.5 ft lower than rd. fork; rail spike in telephone pole 836.52

WATERLOO QUAD. - 170

- 6.6 UE 1 RSH C, T. 88 and 89 N., R. 12 W., near cor. secs. 4, 5, 32 and 33, 48 ft S., 100 ft W. and 4.2 ft lower than rd. at street SW.; chiseled square in NE. footing of water tank 859.57
- 7.0 Reference mark, 105 ft SW. of tablet, 47 ft S. and 31 ft W. of RR. crossing; rail spike in telephone pole 856.69

<u>LINE 4 (Cont'd)</u>	<u>WATERLOO QUAD. - 170</u>	<u>FEET</u>
7.0 Elk Run Heights, 0.2 mi N. of, T. 89 N., R. 12 W., near S. sixteenth cor. between secs. 33 and 34, 40 ft N., 31 ft E. and 1.4 ft higher than RR. crossing, in concrete post; standard tablet stamped "2 RSH 1961 860"		859.699
7.8 UE 2 RSH A, T. 89 N., R. 12 W., cor. secs. 27, 28, 33 and 34, 19 ft N., 16 ft W. and 0.8 ft lower than crossroads; chiseled square on concrete culvert		857.20

CEDAR FALLS QUAD. - 194

8.7 UE 2 RSH B, T. 89 N., R. 12 W., cor. secs. 21, 22, 27 and 28, 32 ft S., 16 ft W. and 1.4 ft higher than crossroads; chiseled square in concrete culvert headwall	874.68
9.7 USC&GS "P 11 1933" (described in Line 2)	876.652

LINE 5

<u>R. S. Heglin, 1961; Book CV 1382</u>	<u>WATERLOO QUAD. - 170</u>
23.0 Reference mark, 124 ft NE. of tablet, 96 ft N., 31 ft E. and 2.4 ft lower than rd. at field entrance W.; rail spike in telephone pole	943.06
23.0 Dysart, 5.0 mi N. and 2.5 mi E. of, T. 86 N., R. 12 W., near quarter cor. between secs. 20 and 21, 10 ft S. and 32 ft W. of center of rd. at field entrance W., 3 ft SE. of S. gate post; a standard tablet in a concrete post stamped "ET 7 JA 1961 944"	943.987

LA PORTE QUAD. - 169

24.5 UE 7 JA A, T. 86 N., R. 12 W., near cor. secs. 15, 16, 21 and 22, 34 ft S., 33 ft W. and 2.4 ft lower than crossroads; rail spike in powerline pole	911.59
25.5 UE 7 JA B, T. 86 N., R. 12 W., near cor. secs. 9, 10, 15 and 16, 32 ft S., 48 ft E. and 6.2 ft lower than T-rd. E.; rail spike in powerline pole	827.77
26.2 La Porte City, 2.25 mi S. and 2.5 mi W. of, T. 86 N., R. 12 W., near N. sixteenth cor. between secs. 9 and 10, 26 ft S. and 27 ft W. of T-drive W., in a concrete post flush with the ground; a standard tablet stamped "TT 9 JS C 1961 834"	833.947
26.2 Reference mark, 342 ft NE. of tablet, 309 ft N., 28 ft E. and 0.8 ft lower than rd. at drive W.; rail spike in powerline pole	833.75
27.1 UE 9 JSC A, T. 86 N., R. 12 W., near quarter cor. between secs. 3 and 4, 34 ft N., 34 ft E. and 0.4 ft lower than crossroads; rail spike in powerline pole	893.87
28.5 UE 9 JSC B, T. 87 N., R. 12 W., near cor. secs. 3, 4, 33 and 34, 22 ft S., 28 ft W. and 1.7 ft higher than crossroads; chiseled square on top of concrete culvert headwall	905.02
29.5 UE 9 JSC C, T. 87 N., R. 12 W., near cor. secs. 26, 27, 34 and 35, 42 ft N., 32 ft W. and 2.3 ft higher than crossroads; rail spike in powerline pole	894.07
31.4 LaPorte City, at the C.R.I.&P. RR. station, in front of office window and in the top of the concrete wall of a basement window grill; a State Survey standard disk stamped "7-1" (elev. by USC&GS)	818.939

LINE 6

<u>R. S. Heglin, 1961; Book CV 1382</u>	<u>LA PORTE QUAD. - 169</u>
0.0 UE 9 JSC B (described in Line 5)	905.02
1.1 UE 9 JSC D, T. 87 N., R. 12 W., near cor. secs. 21, 22, 27 and 28, 309 ft N., 33 ft W. and 5.5 ft lower than crossroads; rail spike in powerline pole	920.70
1.4 La Porte City, 1.0 mi N. and 2.5 mi W. of, T. 87 N., R. 12 W., near S. sixteenth cor. between secs. 21 and 22, 25 ft N. and 32 ft E. of rd. at T-fence W., in a concrete post; a standard tablet stamped "TT 10 JSC 1961 903"	903.273

<u>LINE 6 (Cont'd)</u>	<u>LA PORTE QUAD. - 169</u>	<u>FEET</u>
1.4 Reference mark, 82 ft N. and 63 ft W. of tablet, 117 ft N., 31 ft W. and 0.4 ft lower than rd. at fence W.; rail spike in powerline pole		905.33
2.0 UE 10 JSC A, T. 87 N., R. 12 W., near cor. secs. 21, 22, 27 and 28, 40 ft S., 35 ft W. and 0.1 ft higher than crossroads; rail spike in powerline pole		853.03
3.0 UE 10 JSC B, T. 87 N., R. 12 W., near cor. secs. 9, 10, 15 and 16, 32 ft S., 47 ft W. and 2.2 ft lower than T-rd. S.; rail spike in powerline pole		829.84
4.3 Reference mark, 381 ft NE. of tablet, 48 ft N., 36 ft W. and 0.4 ft lower than hwy. at rd. E.-W.; head of bolt in center of top of concrete headwall		829.40
4.3 LaPorte City, 3.75 mi N. and 2.5 mi W. of, T. 87 N., R. 12 W., near N. sixteenth cor. between secs. 9 and 10, 40 ft S., and 420 ft W. of center of rd. at Y-rd. W., 40 ft S. and 15 ft E. of center of rd. at fence S., 5 ft S. and 15 ft E. of fence corner, in a concrete post set flush with the ground; a standard tablet stamped "TT 11 JSC 1961 832"		832.090
5.7 UE 11 JSC A, Tps. 87 and 88 N., R. 12 W., near quarter cor. between secs. 4 and 33, 175 ft S. along Hwy. 23 W., and 1 ft higher than center of hwy. at rd. W., bolt head in center of top of concrete culvert headwall		839.3
6.8 UE 11 JSC B, T. 88 N., R. 12 W., near cor. secs. 28, 29, 32 and 33, 29 ft S., 49 ft W. and 3.8 ft lower than hwy. at rd. W.; rail spike in powerline pole		828.36
8.0 UE 11 JSC C, T. 88 N., R. 12 W., near quarter cor. between secs. 20 and 29, 30 ft S., 99 ft E. and 1 ft lower than hwy. at crossroads; rail spike in powerline pole		834.78
8.0 "7-3 1935" (described in Line 4)		831.822