

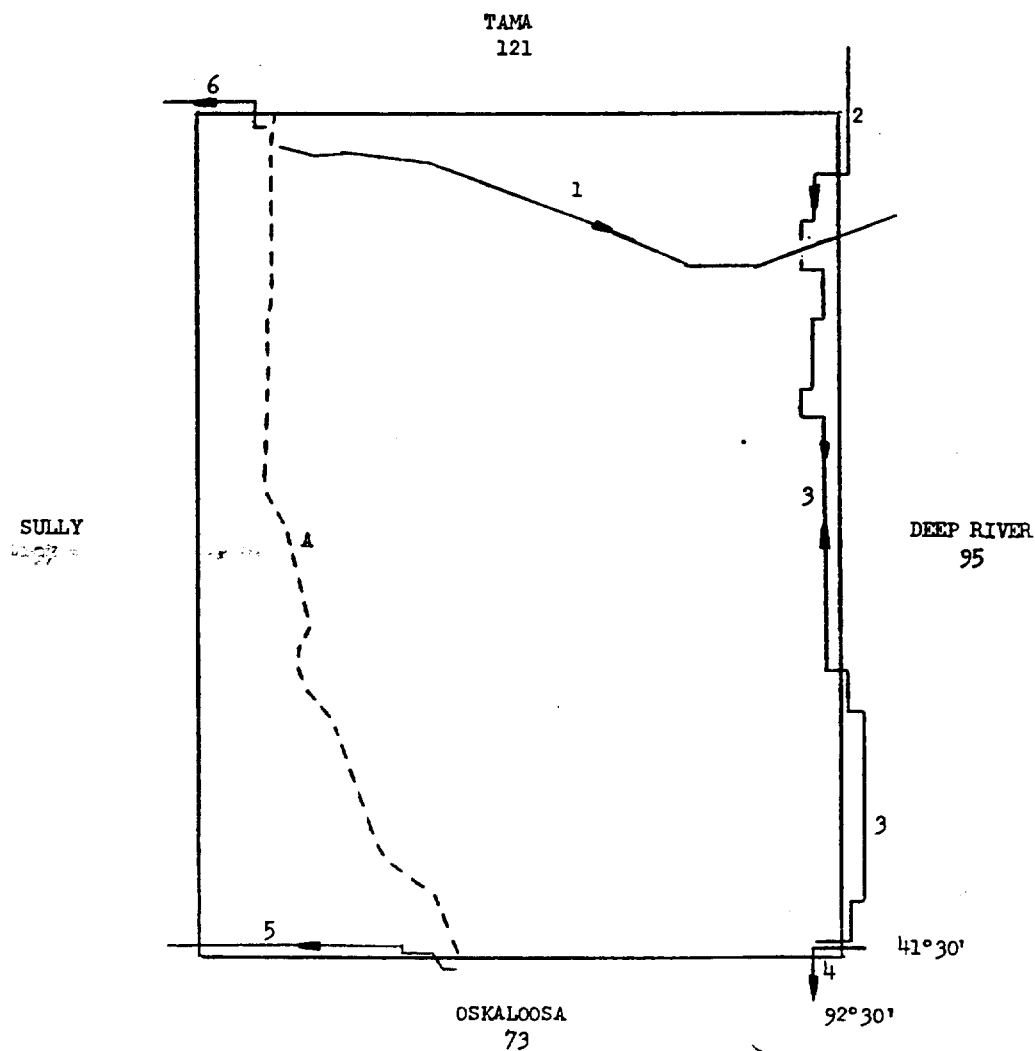
THIRD-ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
Final adjustment of 1976
Mahaska and Poweshiek Counties

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

41-092-42
MONTEZUMA QUADRANGLE
96 - IOWA
N4130-W9230/15
DIAGRAM NK 15-8
DES MOINES

Edition of: 3/31/76

PR: ADP/cb/LB



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

A. Quadrangle No. 410924

96 D

LINE 1

FEET

D.W. Bennett, 1966; Book CV-2062

MONTEZUMA QUAD. - 96

LEVELING PERFORMED BY SECOND-ORDER METHODS

0.0	At Grinnell, at the Minneapolis & St. Louis RR. station, in the SE. brick wall of the ticket office facing the crossing of the Chicago, Rock Island & Pacific RR., and 5 ft higher than the rail; a USC&GS standard disk stamped "Y 87 1934" and set vertically	1016.724
0.7	UE Y 87 A, at the E. edge of Grinnell, 0.75 mi E. of Rock Island & Chicago & N.W. RR. station, at a rd. crossing, T. 80 N., R. 16 W., in SW $\frac{1}{4}$ sec. 15, 100 ft E. along track, 27 ft S. of S. rail of S. track, and 6 ft lower than track; a rail spike in N. side of a power pole	983.33
1.7	Reference mark, 400 ft W. along track on opposite side of track, 17 ft N. and 32 ft W. of center of crossing, punched hole in a 36 in. corrugated metal pipe culvert	959.17
1.8	Grinnell, 1.9 mi E. of along the Rock Island RR. from the station at, about 0.75 mi S. of U.S. "6", T. 80 N., R. 16 W., in the SW $\frac{1}{4}$ sec. 14, 16 ft S. and 360 ft E. of the center of a rd. crossing, about 10 rails E. of milepost 310, 31 ft N. of a power pole with witness sign attached, at W. end of the S. headwall of a concrete pipe culvert; standard tablet(3.2 ft above drain,)stamped "4 DWB 1966 956"	955.642
3.1	Reference mark, 7 rails E. of mark, at W. bound block signal 2995, bolt on SE. cor. of concrete signal base	932.96
	Grinnell, 3.2 mi E. of along the R. I. RR. from the station at, T. 80 N., R. 16 W., in the SE $\frac{1}{4}$ sec. 13, at a dirt rd. crossing, 279 ft W. of crossing, 270 ft E. of W. bound block signal (2995), 10 ft S. of S. rail, standard tablet in center of concrete culvert headwall, about 1 ft. lower than rail, stamped "5 DWB 1966 929"	929.259
4.9	Reference mark, 35 ft W. of mark, the NW. cor. of E. bound block signal, on the concrete base of the signal, crossmark, painted "RM 915.8"	915.86
4.9	Grinnell, 5.0 Mi E. along the R. I. RR. from the station at, 4.0 mi W. along the track from Farmer's Coop Elevator at Malcom, T. 80 N., R. 15 W., in the NW $\frac{1}{4}$ sec. 20, 76 ft E. along track from a rd. crossing, 5 ft S. of the S. rail, 35 ft E. of an E. bound block signal (2978), 13.6 ft above the drain; a standard tablet in the S. end of the W. abutment of a small bridge, stamped "6 DWB 1966 914"	914.290
6.0	Reference mark, T. 80 N., R. 15 W., in SW $\frac{1}{4}$ sec. 21, at a RR. crossing, 43 ft S. and 95 ft E. of crossing, and 5 ft lower than crossing, a rail spike in power pole N. side	901.24
6.0	Malcom, 3.0 mi W. of along the R. I. RR., 6.0 mi E. of station, at Grinnell, T. 80 N., R. 15 W., in the SW $\frac{1}{4}$ sec. 21, at a small concrete bridge under the rd. parallel to the track, 370 ft E. of a RR. crossing, 80 ft N. of the N. track, 9 ft N. of center of bridge, on NE. bridge wing wall, about 1.5 ft lower than center of bridge; standard tablet set in concrete, 6.7 ft above the water, stamped "7 DWB 1966"	901.937
7.0	UE 7 DWB A, T. 80 N., R. 15 W., near cor. secs. 21, 22, 28 and 29, 55 ft N. of a RR. crossing 20 ft S. and 12 ft W. of crossroads, a punched hole in a 30 in. corrugated metal pipe culvert, about 2 ft lower than crossroads	893.33
7.6	Malcom, 1.5 mi W. along the R. I. RR. from U.S. 63 crossing at, T. 80 N., R. 15 W., near N. sixteenth cor. at center of sec. 29, 74 ft S. of a dirt rd. parallel to the track, at a bridge No. 2951, about 300 ft E. of milepost 295, 5 ft N. of and 1.5 ft lower than N. rail; a standard tablet on E. bridge abutment, 14 ft above water, stamped "8 DWB 1966 895"	894.781
	Reference mark, 850 ft E. of mark, at W. bound block signal, a crossmark on No. 2949, SE. cor. of concrete base	894.87

LINE 1 (Cont'd)

MONTEZUMA QUAD. - 96

FEET

- 8.2 UE 8 DWB A, T. 80 N., R. 15 W., near quarter cor. sec. 26, about 1.0 mi W. of Malcom, 12 rails E. of a crossing, 76 ft S. of a rd. parallel to track, 8 ft N. of N. rail, 1 ft lower than track; chiseled square on W. end of concrete culvert headwall (no headwall on S. end) 894.45
- 9.0 At Malcom, about 0.5 mi N. of Interstate 80, about 1000 ft W. of U. S. 63, at the Farmers Elevator Co. elevator, 63 ft N. of the main R. I. track, at the rear of the elevator company office, 31 ft E. of the SW. cor. of the building foundation with a grain dryer on it; about 6 in. W. of cor. of main building, 6 ft N. and 3 ft higher than a side track, a standard tablet set in concrete platform, stamped "9 DWB 1966 895" 895.463
- 9.2 Reference mark, 650 ft E. of mark, 60 ft W. of center U.S. 63 RR. overpass on concrete base of E. bound block signal #2934, crossmark 888.39
- 10.2 UE 9 A DWB, T. 80 N., R. 15 and 14 W., near cor. of secs. 25, 30, 31 and 35, 1.1 mi E. of the Farmers' Elevator at Malcom, 42 ft N. and 20 ft W. of center of RR. crossing; chiseled square on most southerly of two round concrete culvert pipes 873.57
- 11.2 UE 9 DWB B, T. 80 N., R. 14 W., at S. sixteenth cor. secs. 29 and 30, at a dirt rd. crossing and the R. I. RR., 12 ft E. and 10 ft N. of crossing and 1 ft lower than, punched hole in 24 in. corrugated metal pipe culvert 879.75
- 11.5 Malcom, 2.5 mi E. of along the R. I. RR. from Farmers' Elevator at, Brooklyn, 3.5 mi W. of along R. I. RR. from Municipal Power Plant at, T. 80 N., R. 14 W., near center sec. 29, 7 rails W. of milepost 291, at bridge 2912, in W. bridge abutment, 5 ft N. of and 5 ft lower than N. rail; a standard tablet set in concrete wing wall stamped "10 DWB 1966 860" 860.188
- 11.6 Reference mark, 40 ft E. and 13 ft S. of mark, on opposite end of bridge, chiseled square on E. abutment 864.91

DEEP RIVER QUAD. - 95

- 12.4 UE 10 A DWB, T. 80 N., R. 14 W., near N. sixteenth cor. at center sec. 28, W. of milepost 290, at W. bound block signal 2903, a chiseled square on W. side of signal battery well, 7 ft N. of N. track 862.20
- 13.1 Reference mark, about 700 ft SW. of mark, 148 ft E. of RR. crossing, 9 ft N. of center of a bridge; chiseled square on 6 in. bridge curb 856.94
- 13.2 Brooklyn, 1.8 mi W. of along the R. I. RR. from the Municipal Power Plant, at, T. 80 N., R. 14 W., near cor. secs. 21, 22, 27 and 28, 736 ft NE. along track from a E.-W. rd. crossing, 60 ft NW. of a small creek, 40 ft S. and 29 ft E. of T-fence W., 10 ft NW. of N. rail and 10.5 ft above the drain; standard tablet set in NE. headwall at S. end of headwall of concrete box culvert, stamped "11 DWB 1966 853" 853.050

LINE 2

D.W. Bennett, 1966; Book CV-2062

BELLE PLAINE QUAD. - 120

ELEVATIONS IN THIS LINE ARE PRELIMINARY PENDING ADDITIONAL LEVELING

- 14.4 UE 27 C DWB, T. 80 N., R. 14 W., near quarter cor. secs. 8 and 9, at a steel and wooden bridge, 10 ft W. and level with center of bridge; copper rail and washer in NW. abutment about 1 ft. W. of rail 848.00

DEEP RIVER QUAD. - 95

- 5.0 Brooklyn, 1.15 mi N., 2.5 mi W. from Municipal Power Plant at, 500 ft S. of U.S. 6, 115 ft NW. of NW. cor. of W. Frizzell farmhouse, 31 ft E. of N.-S. rd., 10 ft N. of center of gate at field entrance E., 9 ft SE. of a small telephone pole, 2 ft W. of N.-S. fence, 1.5 ft W. of standard witness sign; standard tablet set in concrete post flush with ground, stamped "28 DWB 1966 935" 933.241

LINE 2 (Cont'd)

DEEP RIVER QUAD. - 95

FEET

15.0 Reference mark, 21 ft SW. of mark, punched hole in 12 in. corrugated metal pipe culvert under field entrance E. 932.26

MONTEZUMA QUAD. - 96

16.6 UE 28 B DWB, T. 80 N., R. 14 W., at W. sixteenth cor. secs. 16 and 20, at junction of old U.S. 6 and Poweshiek County "A", rail spike at center concrete pavement and N.-S. gravel rd. 969.98

17.6 UE 28 C DWB, T. 80 N., R. 14 W., at W. sixteenth cor. secs. 20 and 29, 46 ft N. and 20 ft W. and 4.9 ft lower than T-rd. N., punched hole in an 18 in. corrugated metal pipe culvert: 904.52

18.5 UE 9 DWB B, T. 80 N., R. 14 W., at S. sixteenth cor. secs. 29 and 30, at a dirt rd. crossing and the R. I. RR., 12 ft E. and 10 ft N. of crossing and 1 ft lower than, punched hole in 24 in. corrugated metal pipe culvert 879.75

LINE 3

D.W. Bennett, 1966; Book CV-2062

MONTEZUMA QUAD. - 96

LEVELED TWICE

0.0 UE 9 DWB B (Described in Line 2) 879.75

0.9 UE 9 Z DWB, T. 80 N., R. 14 W., at quarter cor. secs. 29 and 32, 63 ft S., 18 ft E. and lower than T-rd. S., a punched hole in an 18 in. corrugated metal pipe culvert 886.18

1.4 UE 9 Y DWB, T. 80 N., R. 14 W., near center sec. 32, at an overpass over Interstate 80, on the SE. bridge abutment, 2.4 ft lower than center of bridge, 14 ft E. of center of brass pin and washer, marked (IHC-BM) 959.27

2.1 UE 9 X DWB, T. 80 N., T. 79 N., R. 14 W., at W. sixteenth cor. secs. 5 and 32, 45 ft S. and 69 ft W. of T-rd. S., a rail spike in power pole N. side and 0.3 ft lower than T-rd. S. 942.86

3.1 Reference mark, 18 ft N. and 54 ft W. of crossroads, 210 ft NE. of mark; chiseled square on 18 in. round concrete pipe culvert 911.27

3.1 Brooklyn, 3.75 mi S. of, 3.25 mi W. of, from the Municipal Power Plant, at, Montezuma, 6.0 mi N., 1.0 mi E. from the junction U.S. 63 and Iowa State Hwy. 85, at, T. 79 N., R. 14 W., near W. sixteenth cor. secs. 5 and 8, 240 ft W. and 37 ft S. of crossroads, 37 ft S. and 78 ft W. of field entrance N., 26 ft E. of a power pole, near a crest in the rd., 1 ft N. of an E.-W. fence, 6 in. N. of a witness sign; standard tablet set in concrete post, stamped "34 DWB 1966" 918.978

3.6 UE 34 A DWB, T. 79 N., R. 14 W., near W. sixteenth cor. center sec. 8, at a wooden bridge, on SW. end of bridge; on top of bridge rail, 3.4 ft higher than bridge floor; a copper nail and washer, 11 ft S. of SE. end of bridge. 864.20

4.3 UE 34 B DWB, T. 79 N., R. 14 W., near cor. secs. 7, 8, 17 and 18, 52 ft N., 26 ft E. and 3 ft E. lower than T-rd. N., punched hole in 36 in. corrugated metal pipe culvert 926.26

5.5 Montezuma, 4.5 mi N., 1.25 mi E. from junction U.S. 63 and Iowa State Hwy. 85, T. 79 N., R. 14 W., near center sec. 17, about 600 ft E. of the A. Facile farmhouse, 12 ft N. and 42 ft E. of drive to house, 5 ft SE. of a telephone pole, 1 ft W. of N.-S. fence, 1 ft W. of witness sign; standard tablet set in concrete post stamped "35 DWB 1966" 928.937

5.5 Reference mark, 87 ft SW. of mark, 15 ft S. and 40 ft W. of T-drive W., rail spike in power pole, N. side 936.72

LINE 3 (Cont'd)

MONTEZUMA QUAD. - 96

FEET

- 6.2 UE 35 A DWB, T. 79 N., R. 14 W., near center sec. 20, at a concrete floored bridge, at N. end of bridge, 11 ft E. of centerline; chiseled square on 1 ft curb 849.91
- 6.8 UE 35 B DWB, T. 79 N., R. 14 W., near quarter cor. secs. 20 and 29, 24 ft N. and 21 ft W. of crossroads, 0.7 ft lower than crossroads; rail spike in power pole E. side 951.79
- 7.3 UE 35 C DWB, T. 79 N., R. 14 W., near center sec. 29, 30 ft S., 93 ft E. and 3.4 ft lower than T-rd. E., punched hole in 12 in. corrugated metal pipe culvert under drive S. to house 955.52
- 8.3 Montezuma, 1.75 mi N., 1.25 mi E. from junction U.S. Hwy. 63 and Iowa State Hwy. 85, T. 79 N., R. 14 W., near the center of sec. 32, 252 ft N., 37 ft W. and 5.7 ft higher than T-rd. N., 3 ft NE. of a leaning telephone pole, 2 ft E. of a N.-S. fence, 1 ft E. of a witness sign, standard tablet set in concrete post projecting 4 in., stamped "36 DWB 1966" 950.039
- 8.3 Reference mark, on the second pole S. of the mark, 73 ft N. and 36 ft W. of T-rd. N., rail spike 948.67

DEEP RIVER QUAD. - 95

- 10.1 UE 36 A DWB, T. 78 N., R. 14 W., near S. sixteenth cor. center sec. 5, about 1.5 mi E. along Iowa Hwy. 85 from junction U.S. 63 at Montezuma, 32 ft N. and 18 ft E. of drive N. to Frank H. Linn farmhouse, a punched hole in 15 in. corrugated metal pipe culvert 952.57
- 11.0 UE 36 B DWB, T. 78 N., R. 14 W., near W. sixteenth cor. center sec. 8, at centerline Poweshiek Co. "B" and T-rd. N. (dirt rd. to Iowa 85), crossmark; in concrete pavement 949.14
- 11.5 Montezuma, 1.25 mi S., 2.0 mi E. of, from U.S. Hwy. 63 and Iowa State Hwy. 85, T. 78 N., R. 14 W., near S. sixteenth cor. secs. 8 and 9, at the crossing of Poweshiek Co. "B" and an E.-W. double pole power transmission line, 18 ft N. of center of a gate at field entrance E., 38 ft E. of center of Poweshiek Co. "B", 27 ft N. of a telephone pole, 2 ft W. of a N.-S. fence, 1.5 ft W. of a witness sign; standard tablet set in concrete post flush with ground, stamped "37 DWB 1966" 941.906
- 11.5 Reference mark, 38 ft SW. of mark, at center of concrete pavement and center of transmission line, crossmark 945.92
- 12.8 UE 37 A DWB, T. 78 N., R. 14 W., near cor. secs. 16, 17, 20 and 21, center of concrete pavement near end of paving and E.-W. gravel rd., crossmark 929.02
- 13.8 UE 37 B., T. 78 N., R. 14 W., near cor. secs. 20, 21, 28 and 29, 63 ft S. and 54 ft W. of crossroads; a rail spike in power pole, E. side 893.78
- 14.2 UE 37 C DWB, T. 78 N., R. 14 W., near quarter cor. secs. 28 and 29, at a concrete bridge, on SW. end of concrete bridge rail, 15 ft W. and 3.4 ft higher than center of bridge 865.25
- 14.7 Montezuma, 4.25 mi S., 2.0 mi E. from the junction of Hwy. 63 and Iowa Hwy. 85, Barnes City, 1.0 mi N. and 1.0 mi W. of, T. 78 N., R. 14 W., near cor. secs. 28, 29, 32 and 33, 52 ft SW. of center of Poweshiek Co. "B", 47 ft W. of gravel rd., junction with Co. "B", 26 ft N. of a 30 in. maple tree, 6 ft S. of telephone pole, 1.5 ft S. of a witness sign, 0.7 ft lower than rd. junction; standard tablet set in concrete post projecting 4 in., stamped "38 DWB 1966" 905.523

LINE 3 (Cont'd)

DEEP RIVER QUAD. - 95

FEET

- 14.7 Reference mark, 124 ft S. of mark, 12 ft N. and 33 ft W. of field entrance W., punched hole in an 18 in. corrugated metal pipe culvert 906.69
- 15.3 UE 38 A DWB, T. 78 N., R. 14 W., near quarter cor. secs. 32 and 33, at the crossing of Northwestern RR. and E.-W. gravel rd., top of W. rail at center of rd. 901.5
- 15.8 UE 38 B DWB, Tps. 78 and 77 N., R. 14 W., near E. sixteenth cor. secs. 5 and 32, about 1.25 mi E. Barnes City, 54 ft S. and 18 ft E. and level with T-rd. E., rail spike in telephone pole W. side 902.06
- 17.2 Barnes City, 0.5 mi S. and 2.0 mi W. of, T. 77 N., R. 14 W., near quarter cor. between secs. 5 and 6, 253 ft S., 31 ft W. and 18.8 ft higher than crossroads, 11 ft S. and 31 ft W. of center of N.-S. gravel rd. at field entrance W., 3 ft E. of a fence, in a concrete post; a standard tablet stamped "ET 13 DHB 1964" 890.586

LINE 4

D.W. Ephlin, 1964; Book CV-1774

DEEP RIVER QUAD. - 95

- 23.8 UE 29 DWE C, 2.4 mi NW. of tablet, 27 ft S., 16 ft W. and 1.1 ft lower than T-rd. N., in a power pole, a 60d spike nail 900.30

MONTEZUMA QUAD. - 96

- 24.8 Barnes City, 0.5 mi S. and 2.0 mi W. of, T. 77 N., R. 14 W., near quarter cor. between secs. 5 and 6, 253 ft S., 31 ft W. and 18.8 ft higher than crossroads, 11 ft S. of and 31 ft W. of center of N.-S. gravel rd. at field entrance W., 3 ft E. of a fence, in a concrete post; standard tablet stamped "ET 13 DHB 1964" 890.586

OSKALOOSA QUAD. - 73

- 25.7 UE 13 DHB A, 0.9 mi S. of tablet, 26 ft S., 26 ft W. and 2.6 ft lower than T-rd. W., in S. end of a metal culvert; a punched hole 808.69
- 26.2 UE 13 DHB B, 1.5 mi S. of tablet, 60 ft S., 20 ft W. and 1.5 ft lower than crossroads; on W. end of a concrete culvert, a chiseled square 829.69
- 27.2 Barnes City, 3.0 mi S. and 2.0 mi W. of, T. 77 N., R. 14 W., near cor. secs. 17, 18, 19 and 20, 31 ft N., 26 ft W. and 1.4 ft higher than crossroads; 3 ft. E. of a fence, 4 ft SE. of a power pole, in a concrete post; a standard tablet stamped "30 DWE 1964" 854.901

LINE 5

C.D. Lien, 1975; Book CV-3242

MONTEZUMA QUAD. - 96

- 1 2 0.0 BM, 1.3 mi SE. along the Minneapolis and St. Louis RR. from the station at MOORE, Poweshiek County, $1\frac{1}{2}$ poles S. of milepost 286, at steel bridge 452 over North Skunk River, in the E. end of the stone pier, and 5.5 ft lower than rail, a standard disk stamped "N 87 1934" 770.113

OSKALOOSA QUAD. - 73

- 3 1.1 UE 87 A, 1.1 mi S. along state Hwy. 146 from tablet, a copper nail and washer in centerline of crossroads 792.3

LINE 5 (Cont'd)

OSKALOOSA QUAD. - 73

FEET

1 6 2.2 UE 87 B, 1.1 mi S. along Highway 146 then 1.1 mi W. along road from tablet, T. 77 N., R. 16 W., near the center of sec. 2, 44 ft. SE. and 26.7 ft SW. of centerline of road, at curve in road N.-E. and at a field approach S., a chisled square on a concrete culvert 888.40

MONTEZUMA QUAD. - 96

9 3.2 Reference mark, 23 ft N., 19.7 ft E. of centerline road at T-rd. N. and 45 ft N. and 324.7 ft E. of tablet, a punched hole in a metal culvert 879.28

10 3.2 Sully, 5.5 mi S., 8.25 mi E. of, T. 77 N., R. 16 W., near the 1/16 cor. of sec. 3, 22 ft S., 305 ft W. of, and 9.7 ft lower than centerline road at a T-rd. N., cemented in the center of a 12 ft concrete headwall, a standard tablet stamped, "1 CDL 1975" 871.200

12 3.9 UE 1 A, 0.7 mi W. along rd. from tablet, T. 77 N., R. 16 W., $\frac{1}{4}$ corner between secs. 3 and 4, 118 ft N., 23.3 ft W. of, and 1.7 ft lower than centerline of crossroads, a punched hole in a metal culvert 877.17

16 5.1 UE 1 B, 1.9 mi W. along road from tablet, T. 77 N., R. 16 W., $\frac{1}{4}$ corner between secs. 4 and 5, 17 ft S. and 15 ft E. of, and 3.1 ft lower than road at drain and 0.14 mi W. of a T-rd. S., a chisled square on the SE. corner of a concrete culvert 830.03

18 5.7 Reference mark, 29.5 ft N., 19.7 ft W. of a T-rd. N. and 46 ft N., and 272.2 ft E. of tablet, a punched hole in a metal culvert 865.91

19 5.8 Sully, 5.5 mi S., 5.5 mi E. of, T. 77 N., R. 16 W., $\frac{1}{4}$ corner between secs. 5 and 6, 16.5 ft S., 291.9 ft W. of and 1.4 ft lower than centerline road at T-rd. S., cemented in the center of a concrete headwall, a standard tablet stamped, "2 CDL 1975" 866.124

22 6.5 UE 2 A, 0.7 mi W. along road from tablet, T. 77 N., R. 16 W., near center of sec. 6, 26.2 ft N., 22.9 ft W. of and 1.7 ft lower than centerline road at T-rd. N., a chisled square on a concrete culvert 892.95

25 7.5 UE 2 B, 2 mi W. along road from tablet, T. 77 N., R. 17 W., near the center of sec. 1, 23 ft S., 9 ft E. of and 2.2 ft lower than Y-rd., a chisled square on a concrete culvert 874.92

SULLY QUAD. - 97

LINE 6

C.D. Lien, 1975; Book CV-3242

MONTEZUMA QUAD. - 96

2 2 0.0 BM, at Grinnell, Poweshiek County, at Grinnell College at the front entrance to Goodnow Hall building, in the NE. corner of the limestone porch floor, a standard disk stamped, "Z 87 1934" 1025.077

2 0.7 UE 87 A, 0.7 mi NW. of tablet, T. 80 N., R. 16 W., near the $\frac{1}{4}$ corner between secs. 8 and 9, at the junction of Hwy. 146 and 11th Avenue in Grinnell, a copper nail and washer in centerline of crossroads 1019.4

5 1.7 UE 87 B, 0.7 mi NW. and 1 mi W. along road from tablet, T. 80 N., R. 16 W., near the $\frac{1}{4}$ corner between secs. 7 and 8, 48 ft S., 33 ft W. and 1.3 ft lower than crossroads, 5 ft N. of the centerline of a wire gate and 8 ft S. of the NE. corner of a wire mesh fence around a natural gas pumping station, a chisled square on a concrete footing 1021.94

LINE 6 (Cont'd)

FERGUSON QUAD. - 122

FEET

- 2 7 2.7 UE 87 C, 0.7 mi NW. and 2 mi W. along road from tablet, T. 80 N., R. 16 and 17 W., near the quarter corner between secs. 7 and 12, 52.5 ft N. and 52.5 ft E. of and 0.9 ft lower than centerline of road at a T-rd. N. and 0.4 ft SW. of a right-of-way fence on top of a concrete right-of-way marker which projects about 1 ft above ground 991.17
- 9 3.1 Reference mark, 27.7 ft S., 13.3 ft W. of centerline road at a field entrance S. and 7 ft N., 24 ft W. of tablet, a chiseled square on a large rock 904.12
- 10 3.1 Kellogg, 2.5 mi N., 6.7 mi E. of, T. 80 N., R. 17 W., near the E. sixteenth cor. of section 12, 34.7 ft S., 10.7 ft E. of centerline of road at a field entrance S., 1.2 ft N. of a fence line, 3 ft E. of a fence post and witness sign and 380 ft E. of centerline of a bridge over Sugar Creek set on top of a half-inch copper-coated steel rod which is enclosed by a 6-in. tile, a standard tablet stamped "8 CDL 1975" 904.595