

THIRD-ORDER LEVELS
SEA LEVEL DATUM OF 1929

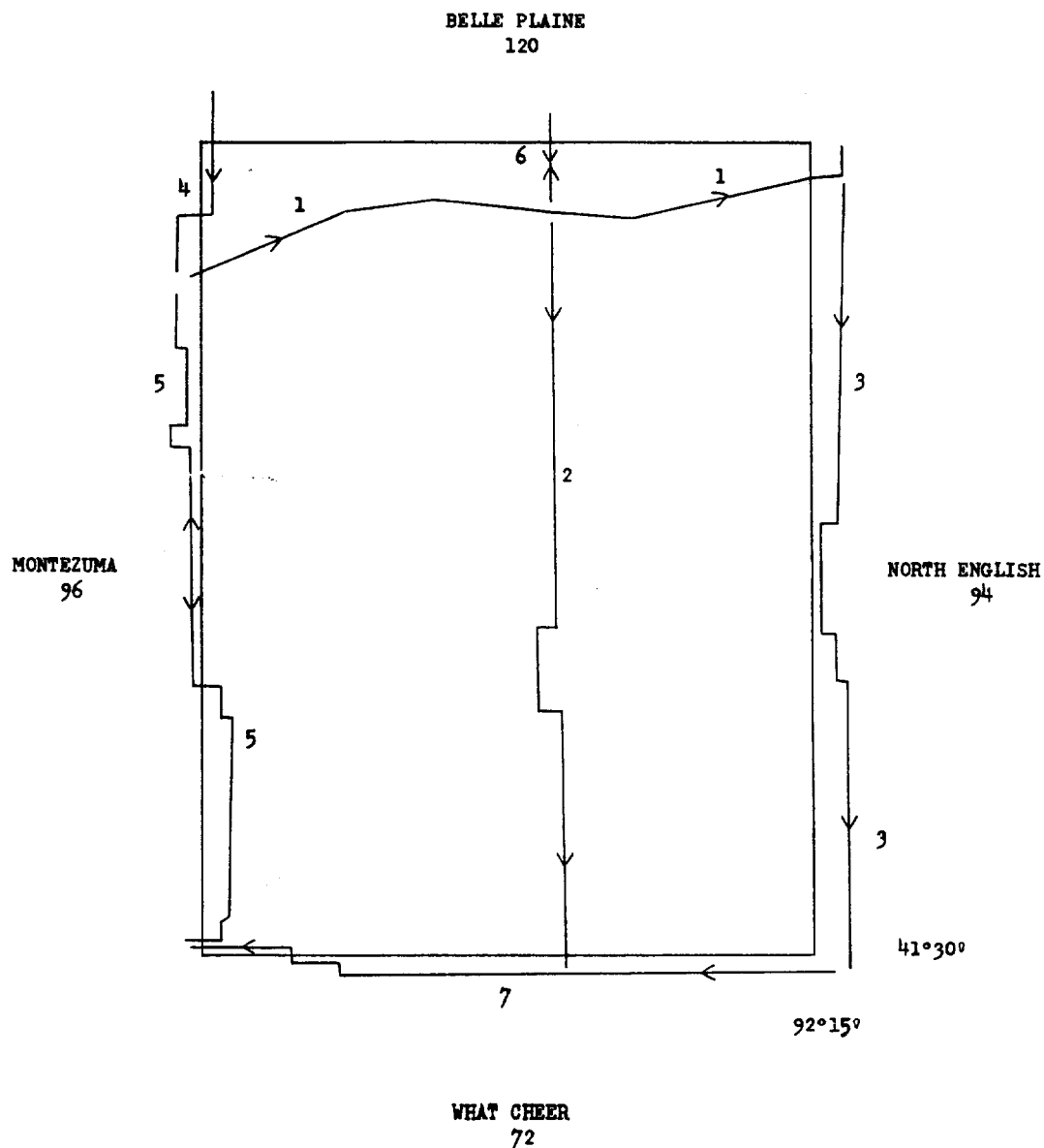
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEEP RIVER QUADRANGLE
95 - Iowa
N4130-W9215/15
Diagram NK 15-8
Des Moines, Iowa

Poweshiek, Mahaska, Iowa,
and Keokuk Counties

Edition of 11/23/66

PR: ADP/et



95 D

2
DEEP RIVER QUADRANGLE
95 - Iowa

LINE 1

Feet

EAST NEAR NORTH BORDER (LEVELING PERFORMED BY SECOND-ORDER METHODS) (By D. W. Bennett,
1966, Book CV-2062)

MONTEZUMA QUAD. 96

- 2 22 11.5 Malcom, 2.5 mi E. of, along the Rock Island RR. from Farmer's Elevator at, Brooklyn, 3.5 mi W. of, along Rock Island 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" Painted "BM 860.1" 860.188
- 23 11.6 Reference mark, 40 ft E. and 13 ft S. of mark, on opposite end of bridge; chiseled square on E. abutment, painted "RM 864.8" 864.91

DEEP RIVER QUAD. 95

- 24 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, painted "UE 862.1" 862.20
- 25 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, painted "RM 856.8" 856.94
- 26 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 an 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 drain; standard tablet set in NE. headwall at S. end of headwall of concrete box culvert, stamped "11 DWB 1966 853" Painted "BM 852.9" 853.050
- 27 14.0 UE 11 A DWB, T. 80 N., R. 14 W., near center sec. 22, about 1.1 mi W. along track from Municipal Power Plant at Brooklyn, 9 ft SE. of S. rail, at a point where the rd. curves near the track; chiseled square on concrete culvert headwall, W. end, 9 ft above the drain, and 2 ft below the rail; painted "UE 848.6" 848.74
- 28 15.0 Reference mark, 21 ft SE. of mark, 10 ft S. of the power plant, on the NW. cor. of a foundation supporting a bin; a cross mark, not painted 861.43
- 29 15.0 At Brooklyn, at the rear of the Brooklyn Municipal Power Plant, at the SW. entrance to the basement, on the top of three steps leading to the door, 7 ft S. of the door and 20 ft E. of the SW. cor. of the building, standard tablet set in concrete, stamped "12 DWB 1966 858" Not painted. 858.582
- 30 16.0 Reference mark, 540 ft W. along track from mark, 65 ft W. of a RR. crossing, 7 ft S. of track, chiseled square on NW. cor. of concrete base of signal 2872, painted "RM 836.4" 836.52
- 31 16.1 Brooklyn, 1.1 mi E. along the track from the Municipal Power Plant at, at the first RR. crossing E. of the town, T. 80 N., R. 14 W., near the quarter cor. of secs. 13 and 24, 11.5 rails E. of a RR. crossing (dirt rd.), 13 ft N. of the N. rail and 4 ft lower than rail; standard tablet set in N. headwall of a 6 x 6 concrete culvert, E. end, 7.5 ft above the drain, stamped "13 DWB 1966 833" Painted "BM 832.5" 832.670
- 32 16.6 UE 13 A DWB, T. 80 N., Rs. 13 and 14 W., near cor. secs. 13, 18, 19 and 24, 10.5 rails E. of milepost 286, 20 ft E. of parking rack for hand car, 7 ft S. of S. rail; bolt head on SW. cor. of unused signal base, painted "UE 834.0" 834.17

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DEEP RIVER QUADRANGLE
95 - Iowa

LINE 1 (Cont'd)

DEEP RIVER QUAD. 95

Feet

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|-----------|---|---------|
| 2 33 17.6 | UE 13 B DWB, T. 80 N., R. 13 W., near cor. secs. 17, 18, 19 and 20, 104 ft E. of a crossing, 23 ft W. of milepost 285, 9 ft N. of and 2 ft lower than N. rail, a copper nail and washer in top of a 6 x 8 in. RR. tie and about flush with ground, painted "UE 829.3" | 829.44 |
| 34 18.1 | Brooklyn, 3.0 mi E. along R. I. RR. from Municipal Power Plant at, Victor, 4.5 mi W. along track from Iowa Hwy. 419 crossing at, T. 80 N., R. 13 W., near quarter cor. secs. 17 and 20, at a gravel rd. crossing, 68 ft SE. of a SE. fence cor., 51 ft N. of a telephone pole, 33 ft W. of the crossing, 7 ft N. of and 2 ft below the N. rail; 3 ft above drain; standard tablet set in W. end of concrete culvert head-wall, stamped "14 DWB 1966 827" Painted "BM 827.3" | 827.494 |
| 35 18.1 | Reference mark, 77 ft E. of mark, 37 ft E. of, 10 ft S. of center of crossing, at a 30 in. corrugated metal pipe culvert under the track, punched hole, painted "RM 825.9" | 826.16 |
| 36 18.7 | UE 14 A DWB, T. 80 N., R. 13 W., near cor. secs. 16, 17, 20 and 21; at RR. bridge #2839, at the E. end of the bridge, on N. stone abutment, chiseled square, 6 ft N. of and 1 ft lower than N. rail; painted "UE 818.5" | 818.73 |
| 37 19.5 | Reference mark, 41 ft NW. of mark, at center of Hwy. 21, 2 ft S. of S. rail, chiseled square, on concrete pavement at edge of pavement, painted "RM 811.5" | 812.13 |
| 38 19.5 | Victor, 3.1 mi W. along the track from the Iowa 419 crossing at, at the crossing of Iowa Hwy. 21, T. 80 N., R. 13 W., at N. sixteenth cor. secs. 21 and 22, 2.5 rails E. of 283, 28 ft S. and 28 ft E. of center of RR. crossing, 20 ft SE. of a RR. crossing gate, opposite station 1167 etched in concrete pavement; standard tablet set top of 6 ft round concrete pipe culvert, stamped "15 DWB 1966 811" Painted "BM 810.9" | 811.046 |
| 39 20.6 | UE 15 A DWB, T. 80 N., R. 13 W., near quarter cor. secs. 22 and 23, 52 ft N. and 28 ft E. of junction of gravel rd. N. and Poweshiek Co. "R", 180 ft S. of a RR. crossing, opposite milepost 282, punched hole in a 48 in. corrugated metal pipe culvert, painted "UE 803.5" | 803.73 |
| 40 21.3 | Reference mark, 120 ft N. of mark, at a RR. bridge parallel to the Hwy. bridge; the top of the last bolt on the bridge rail, on SW. end of the bridge, painted | 804.95 |
| 41 21.4 | Victor, 1.2 mi E. of the crossing of Iowa State Hwy. 419 and the R. I. RR. at, T. 80 N., R. 13 W., in the NE $\frac{1}{4}$ of sec. 23, at a concrete bridge on Poweshiek Co. "R", 120 ft S. of R. I. Track, 10 ft N. and 17 ft E. of center of bridge; standard tablet set in curb of bridge about level with center of bridge floor, stamped "16 DWB 1966 807" Painted "BM 807.2" | 807.351 |
| 42 22.1 | UE 16 A DWB, T. 80 N., R. 13 W., in NW $\frac{1}{4}$ sec. 24, a RR. bridge, 0.5 mi W. of Iowa 419 crossing at Victor; chiseled square on NW. cor. of W. abutment, painted "UE 801.3" Water -12.0 ft. | 801.47 |
| 43 22.6 | Reference mark, 43 ft W. of Mark and on opposite side of Hwy., chiseled square on concrete curb, painted "RM 804.5" | 804.72 |
| 44 22.6 | Victor, at the Iowa-Poweshiek County line, at the crossing of the R. I. RR. and Iowa State Hwy. 419, 40 ft S. of, 22 ft E. of center of crossing about level with crossing, 11 ft SW. of a Hwy. crossing gate, a standard tablet set in top of manhole cover, about 6 in. from edge of concrete top and level with ground, stamped "17 DWB 1966 805" Painted "BM 805.0" | 805.149 |

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DEEP RIVER QUADRANGLE
95 - Iowa

LINE 1 (Cont'd)

DEEP RIVER QUAD. 95

Feet

- 2 45 23.1 UE 17 A DWB, T. 80 N., R. 12 W., in the SW $\frac{1}{4}$ sec. 18, at the NE. cor. of town of Victor, at a steel girder bridge over Bear Creek, on the NE. end of the E. bridge curb, 8 ft E. of center of bridge and about 0.2 ft higher than bridge floor; chiseled square, painted "UE 795.6" Water -17.2 795.75
- 46 23.8 UE 17 B DWB, T. 80 N., R. 12 W., near N. sixteenth cor. SE. center sec. 18, at junction U.S. "6" and N.-S. gravel rd., 38 ft S. of, 72 ft E. of crossroads, chiseled square, on 6 x 20 ft concrete box culvert, under U.S. "6", on E. end of S. headwall, painted "UE 801.4" 7.5 ft above drain 801.54
- 47 24.4 Victor, 0.75 mi N. of, 1.2 mi E. of, (the intersection of Iowa Hwy. 419 and R. I. RR. at), at the junction of U.S. 6 and Iowa Hwy. 21 N., T. 80 N., R. 12 W., in the NW $\frac{1}{4}$ sec. 17, 35 ft S. and 153 ft E. of Hwy. junction, 42 ft NW. of a pole, 9 ft above the drain and 1.5 ft lower than junction; standard tablet set in E. end of concrete box culvert headwall; stamped "18 DWB 1966 794" Painted "EM" 794.629
- 48 24.5 Reference mark, 60 ft N. of mark, on opposite headwall of culvert; chiseled square on W. end, painted "EM" 795.12
- 49 25.5 UE 18 A DWB, T. 80 N., R. 12 W., near N. sixteenth cor. secs. 16 and 17, at a 4 x 4 concrete box culvert under U.S. 6, 1.0 mi E. of junction 6 and 21, 33 ft N. of center of "6"; iron pin at center of N. headwall, painted "UE 824.5" 824.73
- 50 26.3 UE 18 B DWB, T. 80 N., R. 12 W., near N. sixteenth cor. secs. 15 and 16, 24 ft N. of and 64 ft W. of junction U.S. "6" and N.-S. gravel rd., iron pin on N. headwall of 9 x 20 concrete box culvert, painted "UE 788.5" (9.0 ft above drain and 1 ft lower than crossroads) 788.67

NORTH ENGLISH QUAD. 94

MARENGO QUAD. 119

LINE 2

SOUTH THROUGH CENTER OF QUAD. (LEVELING PERFORMED BY SECOND-ORDER METHODS) (By D. W. Bennett, 1966, Book CV-2062)

DEEP RIVER QUAD. 95

- 3 39 0.0 BM "15 DWB 1966" (Described in Line 1) 811.046
- 40 0.3 UE 15 Z DWB, T. 80 N., R. 13 W., near quarter cor. secs. 21 and 22, at the junction of Iowa State Hwy. 21 and Poweshiek Co. "R", about 3.0 mi W. of Victor, crossmark at center of crossroads, painted "UE CL 859.0" 859.15
- 41 0.8 UE 15 Y DWB, T. 80 N., R. 13 W., at cor. secs. 21, 22, 27 and 28, center of Iowa State Hwy. 21 at T-rd. W., crossmark; painted "UE CL 911.5" 911.66
- 42 1.8 UE 15 X DWB, T. 80 N., R. 13 W., at cor. secs. 27, 28, 33 and 34, 0.5 mi N. of Hwy. 21 exit on Interstate 80, at center of Iowa State Hwy. 21 and T-rd. E., crossmark; painted "UE CL 917.2" 917.39
- 43 2.3 UE 15 W DWB, T. 80 N., R. 13 W., near quarter cor. secs. 33 and 34, at the Hwy. 21 exit on Interstate 80, on E. bound pavement, at SW. cor. of overpass, metal pin and washer embedded in concrete abutment; painted "UE 937.4" 937.65

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DEEP RIVER QUADRANGLE
95 - Iowa

LINE 2 (Cont'd)

DEEP RIVER QUAD. 95

Feet

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| 3 44 2.8 | Reference mark, 173 ft SE. of mark, at center Iowa Hwy. 21 and E.-W. gravel rd., crossmark, painted "RM 942.0" | 942.28 |
| 45 2.8 | Brooklyn, 2.75 mi S. of, 4.5 mi E. of, from Municipal Power Plant at, 0.5 mi S. of the Iowa State Hwy. 21 exit on Interstate 80, T. 80 N., T. 79 N., R. 13 W., at cor. secs. 3, 4, 33 and 34; 44 ft N., 168 ft W. and 0.9 ft lower than crossroads, (Iowa State Hwy. 21 and E.-W. gravel rd.), 53 ft E. of a telephone pole, 2 ft S. of an E.-W. fence, 1.5 ft S. of a standard witness sign, standard tablet set in top of concrete post projecting 4 in., stamped "29 DWB 1966 941" Painted "BM" | 941.410 |
| 46 3.8 | UE 29 A DWB, T. 79 N., R. 13 W., at cor. secs. 3, 4, 9 and 10, 1.5 mi S. of Interstate 80, at center Iowa State 21 and E.-W. gravel rd., crossmark, painted "UE CL 884.9" | 885.11 |
| 47 4.8 | UE 29 B DWB, T. 79 N., R. 13 W., at cor. secs. 9, 10, 15 and 16, center Iowa State Hwy. 21 and T-rd. W., crossmark, painted "UE CL 887.4" | 887.67 |
| 48 5.3 | Reference mark, 182 ft NW. of mark, at center Iowa State Hwy. 21 and Poweshiek Co. "W", crossmark, painted "RM 867.1" | 867.41 |
| 49 5.4 | Brooklyn, 5.25 mi S. of, 4.5 mi E. of, from Municipal Power Plant at, 0.75 mi W. of Guernsey, at the turnoff to Guernsey along Iowa State 21, T. 79 N., R. 13 W., near quarter cor. secs. 15 and 16, 146 ft S. of Poweshiek Co. "W", 122 ft E. of center of Hwy. 21, 6 ft N. of a cor. fence post, 2 ft S. of a right-of-way marker, 1 ft W. of a standard witness sign; standard tablet set in top of concrete post 1.9 ft lower than rd. junction, stamped "30 DWB 1966 865" Painted "BM 865.2" | 865.536 |
| 50 5.9 | UE 30 A DWB, T. 79 N., R. 13 W., near cor. secs. 15, 16, 21 and 22, at a 200 ft concrete bridge over N. English River, at SW. concrete curb, 15.6 ft W. of centerline and 1 ft higher than center of crossmark; water -23.0 ft; painted "UE 810.7" | 811.04 |
| 51 6.9 | UE 30 B DWB, T. 79 N., R. 13 W., near cor. secs. 21, 22, 27 and 28, center of Iowa State Hwy. 21 and E.-W. gravel rd., crossmark; painted "UE CL 907.7" | 907.97 |
| 52 7.9 | Reference mark, 130 ft NE. of mark, at center of Iowa State Hwy. 21 and E.-W. gravel rd.; crossmark, painted "RM 887.7" | 888.04 |
| 53 7.9 | Deep River, 2.5 mi N. of, 0.75 mi E. of, Brooklyn, 7.75 mi S. of, 4.5 mi E. of, from Municipal Power Plant, at, 5.5 mi S. along Iowa Hwy. 21 from Interstate 80, T. 79 N., R. 13 W., at cor. secs. 27, 28, 33 and 34; 55 ft S., 112 ft W. and 2.4 ft lower than center of Hwy. 21 and E.-W. gravel rd., 4 ft SW. of a small telephone pole, 2 ft N. of a fence, and 1.5 ft N. of a standard witness sign; standard tablet set in concrete post projecting 4 in., stamped "31 DWB 1966 885" Painted "RM 885.3" | 885.651 |
| 54 8.9 | UE 31 A DWB, T. 79 N., T. 78 N., R. 13 W., at cor. secs. 3, 4, 33 and 34, center Iowa Hwy. 21 and E.-W. gravel rd., crossmark; painted "UE CL 886.1" | 886.53 |
| 55 9.7 | UE 31 B DWB, T. 78 N., R. 13 W., near quarter cor. secs. 3 and 4, at a 170 ft concrete bridge over Deep River Creek, on SW. bridge abutment, 18 ft W. of center of iron pin and washer marked "IHC BM", painted "UE 819.8" Water -22.8 ft. | 820.09 |
| 56 10.6 | Reference mark, 200 ft E. of mark, at center of junction Iowa 85 and 21, crossmark, painted "RM 914.4" | 914.61 |

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DEEP RIVER QUADRANGLE
95 - Iowa

LINE 2 (Cont'd)

DEEP RIVER QUAD. 95

Feet

- 3 57 10.6 Deep River, 0.25 mi S. of, 0.75 mi E. of, at junction Iowa Hwy. 85 and Iowa Hwy. 21, T. 78 N., R. 13 W., near quarter cor. secs. 9 and 10, 62 ft S. and 128 ft W. and 2.2 ft lower than crossroads, 10 ft SE. of a telephone pole, at E.-W. fence SE.-NW. fence cor., 1 ft NE. of witness sign; standard tablet set in concrete post, stamped "32 DWB 1966" Painted "RM 912.2" 912.445
- 58 11.7 UE 32 A DWB, T. 78 N., R. 13 W., near quarter cor. secs. 15 and 16, opposite a large white house, 24 ft S. of a white gate, 84 ft W. of Iowa Hwy. 21, a rail spike, in a telephone pole, E. side, painted "UE 928.5" 928.61
- 59 12.3 UE 32 B DWB, T. 78 N., R. 13 W., at cor. secs. 15, 16, 21 and 22, 24 ft N., 32 ft W. and lower than crossroads; chiseled square on 18 in. concrete pipe culvert, painted "UE 926.4" 926.74
- 60 13.3 Reference mark, 114 ft NW. of mark, 22 ft N. and 60 ft E. of crossroads, rail spike in power pole with transformer, painted "RM 901.5" 901.63
- 61 13.4 Deep River, 2.75 mi S. of, 0.75 mi E. of, along Iowa Hwy. 21 from junction Iowa Hwy. 85, 62 ft S., 141 ft E. and higher than crossroads, opposite the SE. cor. of an abandoned stucco house, 48 ft NE. of a small telephone pole, 2 ft NW. of a NE.-SW. fence, 1 ft NW. of a witness post; standard tablet set in concrete post, stamped "33 DWB 1966" Painted "RM 900.5" (T. 78 N., R. 13 W., at cor. secs. 21, 22, 27 and 28) 900.659
- 62 13.9 UE 33 A DWB, T. 78 N., R. 13 W., near quarter cor. secs. 27 and 28, at a concrete bridge, brass pin in SE. curved wing wall, 13 ft E. and 18 ft higher than water level with center of bridge, painted "UE 833.8" 833.97
- 63 14.4 UE 33 B DWB, T. 78 N., R. 13 W., at cor. secs. 27, 28, 33 and 34, 39 ft S. and 34 ft W. of crossroads; chiseled square on 2 x 3 concrete box culvert headwall, S. end, painted "UE 875.1" 875.27
- 64 15.2 UE 33 C DWB, T. 77 and 78 N., R. 13 W., near cor. secs. 3, 4, 33 and 34, at a concrete bridge, iron pin and washer marked (IHC-BM) 14 ft E. and 6 in. higher than center of bridge, at NE. curved wing wall, painted "UE 820.5" 820.65
- 65 16.4 Reference mark, 183 ft NW. of tablet, in power pole, a 60d spike nail, painted "RM" WHAT CHEER QUAD. 72 887.88
- 66 16.4 Gibson, 1.0 mi N. and 2.0 mi E. of, T. 77 N., R. 13 W., near cor. secs. 3, 4, 9 and 10, 41 ft S., 58 ft E. and 4.5 ft lower than crossroads, 5 ft N. of a power pole, 4 ft NW. of a fence cor. post; in a concrete post; standard tablet stamped "27 DWE 1964" Painted "RM 885.4" 885.357

LINE 3

SOUTH ALONG EAST BORDER (By D. W. Bennett, 1966, Book CV-2062)

NORTH ENGLISH QUAD. 94

- 1 26 0.0 UE 18 B DWB (Described in Line 1) 788.67
- 27 0.4 UE 18 X DWB, T. 80 N., R. 12 W., near S. sixteenth cor. secs. 15 and 16, at steel truss bridge on old Hwy. 6, on SW. abutment, 11 ft W. of centerline and 22 ft above water, chiseled square (not crossmark) painted "UE 788.6" 788.79

LINE 3 (Cont'd)

NORTH ENGLISH QUAD. 94

Feet

1	28	1.2	UE 18 Y DWB, T. 80 N., R. 12 W., at quarter cor. secs. 21 and 22, 43 ft N. and 39 ft W. of crossroads, rail spike in power pole, 5 ft lower than crossroads Painted "UE 891.8"	891.95
	30	2.0	UE 18 Z DWB, T. 80 N., R. 12 W., near quarter cor. secs. 27 and 28, at a wood bridge over Little Bear Creek, on top of SE. wood piling, 13 ft E. of and 6 in. higher than center of bridge; water -10.6; a copper nail and washer in center of piling; painted "UE 834.3"	834.47
	31	2.7	UE 18 ZZ DWB, T. 80 N., R. 12 W., at cor. secs. 27, 28, 33 and 34; about 0.5 mi N. of Interstate 80, 27 ft S. and 50 ft W. of crossroads, 2.5 ft lower than crossroads; top of bolt on 12 in. culvert pipe, painted "UE 899.9"	900.07
	32	3.2	Victor, 2.0 mi S. and 3.0 mi E. of junction Iowa State 419 and R. I. RR. at, 2.0 mi E. of Victor Exit along U.S. Interstate 80, T. 80 N., R. 12 W., at quarter cor. of secs. 33 and 34, at a 200 ft concrete overpass over Interstate 80, on SW. bridge abutment level with bridge floor, 15 ft W. of center of bridge, 0.5 ft W. of bridge rail, standard tablet set in concrete abutment, "19 DWB 1966 973", painted "BM 936.60"	936.750
	33	3.2	Reference mark, 200 ft S. of mark on opposite side of bridge, 15 ft E. of center of bridge; iron pin marked (IHC-BM), painted "RM 936.6"	936.75
	34	3.7	UE 19 A DWB, T. 80 N., T. 79 N., R. 12 W., at cor. secs. 3, 4, 33 and 34, 125 ft S. and 30 ft W. of, and 6 ft lower than crossroads; punched hole in 12 in. corrugated metal pipe culvert at drive W. (N. end) painted "UE 882.1"	882.25
	36	4.7	UE 19 B DWB, T. 79 N., R. 12 W., at cor. secs. 3, 4, 9 and 10, 34 ft N. and 48 ft E. of crossroads; chiseled square, 6 in. W. of iron pipe rail post, 3 ft lower than crossroads; painted "UE 849.0"	849.11
	37	5.7	UE 19 C DWB, T. 79 N., R. 12 W., at cor. secs. 9, 10, 15 and 16, 45 ft N. and 45 ft E. of T-rd. E., a rail spike in power pole W. side about 0.5 ft lower than T-rd., painted "UE 921.4"	921.53
	38	6.2	Victor, 5.5 mi S. of, 3.0 mi E. of, (the junction of Iowa Hwy. 419 and R. I. RR. at), 3.0 mi S. of the crossing of Interstate 80, T. 79 N., R. 12 W., at quarter cor. secs. 15 and 16, 118 ft NW. of the M. Verne Tamm farmhouse, 103 ft N. and 32 ft W. of drive E., level with drive E., 8 ft NW. of a power pole, 2 ft E. of a fence; a standard tablet set in top of concrete post, stamped "20 DWB 1966 919" Painted "BM 918.7"	918.763
	39	6.2	Reference mark, 200 ft SE. of mark, on opposite side of rd., at field entrance E., 9 ft N. of and 22 ft E. of center of rd., punched hole 12 in. corrugated metal pipe culvert; painted "915.4"	915.47
	40	6.7	UE 20 A DWB, T. 79 N., R. 12 W., at cor. secs. 15, 16, 21 and 22, 36 ft N. and 60 ft E. of crossroads, and about 5 ft lower than crossroads; a rail spike in power pole S. side, painted "UE 903.2"	903.31
	41	7.5	UE 20 B DWB, T. 79 N., R. 12 W., at S. sixteenth cor. between secs. 21 and 22, at Y-rd. S.-W., and T-rd. E., 100 ft S. of grassy triangle at Y-rd., 14 ft W. of center of S. leg of Y-rd., about 5 ft lower than center of rd., punched hole in 18 in. corrugated metal pipe culvert; painted "UE 885.2"	885.28
	42	7.9	UE 20 C DWB, T. 79 N., R. 12 W., near S. sixteenth cor. center sec. 21, at the Steinmetz farmhouse, 17 ft N. center rd. and 132 ft E. of drive to house, 5 ft lower than center of rd., punched hole in 18 in. corrugated metal pipe culvert; painted "UE 885.3"	885.42

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DEEP RIVER QUADRANGLE
95 - Iowa

LINE 3 (Cont'd)

NORTH ENGLISH QUAD. 94

Feet

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| 1 43 8.9 | Reference mark, 100 ft N. of mark, at an 18 in. corrugated metal pipe culvert; punched hole, 17 ft E. of centerline, painted "UE 855.948" | 856.02 |
| 44 8.9 | Victor, 7.5 mi S. of, 2.5 mi E. of the junction Iowa 419 and R. I. RR. at, at the Lincoln Twp. Community, at the St. John's Lutheran Church, T. 79 N., R. 12 W., near the center sec. 28, 184 ft N. of entrance to the church, 4 ft S. and 48 ft E. of a T-rd. E., 38 ft NW. of a 2-car garage, 24 ft W. of last tree (elm) in a row of trees, 6 ft NE. of a power pole, 5 ft N. and 1 ft W. of a SW. fence cor., standard tablet set in top of concrete post; stamped "21 DWB 1966 859" Not painted | 859.512 |
| 45 9.2 | UE 21 A DWB, T. 79 N., R. 12 W., near quarter cor. secs. 28 and 33, at the St. John's Lutheran Cemetery, at center of second concrete step from bottom of main gate, crossmark; not painted | 846.23 |
| 47 10.4 | UE 21 B, T. 79 N., R. 12 W., near center SW $\frac{1}{4}$ sec. 33, about 1000 ft S. of an abandoned farmhouse, at a curve in the rd., 31 ft N. and 33 ft W. of field entrance S., a rail spike in power pole, S. side, 2.2 ft lower than field entrance S., painted "UE 857.9" | 857.96 |
| 48 11.3 | UE 21 C DWB, T. 78 N., R. 12 W., in NE $\frac{1}{4}$ sec. 4, at a washed out bridge site on North English River, on the N. bank of the river, on the remains of the N. bridge abutment, at the center of the abutment; a copper nail and washer, painted "UE 764.0" Water -12.4 ft. | 764.04 |
| 49 12.0 | Victor, 10.0 mi S. of, 3.0 mi E. of the crossing Iowa 419 and R. I. RR. at, Deep River, 0.25 mi N. of, 6.0 mi E. of, T. 78 N., R. 12 W., in SE $\frac{1}{4}$ sec. 4, about 0.1 mi SE. of the D. E. Decker farmhouse, 485 ft E. of T-rd. N., 34 ft N. of center of E.-W. dirt rd., at a crest in the fenceline, 4 ft E. of a fence post, 1 ft S. of E.-W. fence; 6 in. SE. of a witness post; standard tablet set in top of concrete post projecting 6 in., stamped "22 DWB 1966 869" Painted "BM 868.6" | 868.650 |
| 50 12.1 | Reference mark, 80 ft NW. of mark, 70 ft N. of center of rd., rail spike at N. side of dead elm tree; painted "868.1" | 868.10 |
| 52 13.0 | UE 22 A DWB, T. 78 N., R. 12 W., near quarter cor. secs. 9 and 10, 48 ft S. and 39 ft W. of crossroads, punched hole in a half round hog underpass, 5.1 ft lower than crossroads, painted "UE 867.8" | 867.80 |
| 53 13.5 | UE 22 B DWB, T. 78 N., R. 12 W., at the cor. of secs. 9, 10, 15 and 16, 23 ft S. and 35 ft W. of and 1.5 ft lower than crossroads, punched hole in 15 in. corrugated metal pipe culvert at field entrance S., painted "UE 886.2" | 886.52 |
| 54 14.5 | UE 22 C DWB, T. 78 N., R. 12 W., at the cor. secs. 15, 16, 21 and 22, 40 ft N. and 30 ft E. of crossroads, 5.1 ft higher than crossroads; chiseled square on SW. cor. of bottom concrete step of abandoned school building; painted "UE 866.2" | 866.50 |
| 55 14.8 | Deep River, 2.25 mi S. of, 7.0 mi E. of, North English, 2.25 mi N. of, 8.5 mi W. of, T. 78 N., R. 12 W., about 0.36 mi S. of cor. secs. 15, 16, 21 and 22, at a concrete bridge over the Middle English River, 13 ft E. of center of bridge on N. bridge abutment; outside of curved wing wall, 16 ft above water; standard tablet set in concrete stamped "23 DWB 1966 790" Painted "BM 789.5" | 789.798 |
| 56 14.9 | Reference mark, 70 ft SW. of mark on opposite cor. of bridge; chiseled square on curb, 12 ft W. of centerline; painted "BM 789.5" | 789.82 |

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DEEP RIVER QUADRANGLE
95 - Iowa

LINE 3 (Cont'd)

NORTH ENGLISH QUAD. 94

Feet

- | | | | | |
|----|------|------|---|--------|
| 1 | 58 | 16.0 | UE 23 A DWB, T. 78 N., R. 12 W., at quarter cor. secs. 27 and 28, 21 ft N., 24 ft W. and 2.5 ft lower than crossroads; chiseled square on 18 in. round concrete pipe culvert; painted "UE 866.9" | 867.20 |
| 59 | 17.0 | | UE 23 B DWB, T. 78 N., R. 12 W., near quarter cor. secs. 33 and 34, at a 50 ft concrete bridge over Griffer Creek, 12 ft W. of center of bridge and 6 in. higher than chiseled square on N. end of concrete curb, 17.3 ft above water, painted "UE 817.2" | 817.48 |
| 60 | 17.7 | | UE 23 C DWB, T. 77 N., R. 12 W., at the N. sixteenth cor. secs. 3 and 4, 24 ft N. and 24 ft W. of T-rd. W., punched hole in a 24 in. corrugated metal pipe culvert, 2.8 ft lower than T-rd., painted "UE 888.4" | 888.64 |

SIGOURNEY QUAD. 71

- | | | | | |
|----|------|--|---|---------|
| 62 | 18.8 | | Keswick, 2.6 mi N. of, T. 77 N., R. 12 W., approx. 0.1 mi N. of quarter cor. between secs. 9 and 10, 98 ft N., 52 ft W. and 1.3 ft higher than center of N.-S. gravel rd. at T-drive W. to abandoned farmhouse, 33 ft NE. of NE. cor. of house, 4 ft NE. of fence cor. post; in a concrete post; standard tablet stamped "25 DWE 1964" Painted "BM 887.9" | 887.910 |
|----|------|--|---|---------|

LINE 4

SOUTH NEAR NORTHWEST CORNER OF QUAD. (ELEV. IN THIS LINE ARE PRELIMINARY PENDING ADDITIONAL LEVELING) (By D. W. Bennett, 1966, Book CV-2062)

BELLE PLAINE QUAD. 120

- | | | | | |
|----|------|------|--|--------|
| 3 | 29 | 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 nail and washer in NW. abutment about 1 ft W. of rail, painted "UE" Water -18.7 ft. | 848.04 |
| 30 | 14.9 | | UE 27 D DWB, T. 80 N., R. 14 W., at cor. secs. 8, 9, 16 and 17, center of U.S. 6 and N.-S. gravel rd.; crossmark, painted "UE CL 920.4" | 919.04 |

DEEP RIVER QUAD. 95

- | | | | | |
|----|------|--|---|---------|
| 31 | 15.0 | | 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" Painted "BM 934.6" | 933.250 |
| 32 | 15.0 | | Reference mark, 21 ft SW. of mark, punched hole in 12 in. corrugated metal pipe culvert under field entrance E., not painted | 932.25 |
| 33 | 15.9 | | UE 28 A DWB, T. 80 N., R. 14 W., near cor. secs. 16, 17, 20 and 21, 1.0 mi S. of U.S. 6, centerline old U.S. 6 and dirt rd. N., crossmark; painted "UE CL 941.0" | 939.63 |

MONTEZUMA QUAD. 96

- | | | | | |
|----|------|--|---|--------|
| 34 | 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 Co. "A"; rail spike at center of concrete pavement and N.-S. gravel rd., painted "UE CL 971.3" | 969.97 |
| 35 | 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; painted "UE 905.9" | 904.57 |

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DEEP RIVER QUADRANGLE
95 - Iowa

LINE 4 (Cont'd)

MONTEZUMA QUAD. 96

Feet

3 37 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; painted "UE 879.6" 879.75

LINE 5

SOUTH ALONG WEST BORDER (LEVELED TWICE) (By D. W. Bennett, 1966, Book CV-2062)

MONTEZUMA QUAD. 96

4 1 0.0 UE 9 DWB B (Described in Line 4) 879.75

2 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; painted "UE" 886.18

3 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) painted "UE" 959.27

4 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., painted "UE" 942.86

5 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; painted "RM" 911.27

6 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" Painted "EM" 918.978

7 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; painted "UE" Water -17.2 ft. 864.20

8 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 lower than T-rd. N., punched hole in 36 in. corrugated metal pipe culvert; painted "UE" 926.26

10 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" Painted "EM" 928.937

11 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, painted "RM" 936.72

12 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; painted "UE" 849.91

13 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, painted "UE" 951.79

LINE 5 (Cont'd)

MONTEZUMA QUAD. 96

Feet

- 4 14 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, painted "UE" 955.52
- 15 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" Painted "EM" 950.039
- 16 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, painted "RM" 948.67

DEEP RIVER QUAD. 95

- 18 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 the Frank H. Linn farmhouse, a punched hole in a 15 in. corrugated metal pipe culvert; painted "UE" 952.57
- 19 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, painted "UE CL" 949.14
- 20 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" Painted BM 941.906
- 21 11.5 Reference mark, 38 ft SW. of mark, at center of concrete pavement and center of transmission line, crossmark; painted "RM" 945.92
- 22 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, painted "UE CL" 929.02
- 23 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, painted "UE" 893.78
- 24 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; water -17.5 ft., crossmark, painted UE 865.25
- 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" Painted "EM" 905.523
- 26 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; painted "RM" 906.69

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DEEP RIVER QUADRANGLE
95 - Iowa

LINE 5 (Cont'd)

DEEP RIVER QUAD. 95

Feet

- 4 27 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., painted "UE CL" 901.5
- 28 15.8 UE 38 B DWB, T. 78 and 77 N., R. 14 W., near E. sixteenth cor. secs. 5 and 32, about 1.25 mi E. of Barnes City, 54 ft S. and 18 ft E. and level with T-rd. E., rail spike in telephone pole W. side painted UE 902.06

MONTEZUMA QUAD. 96

- 30 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" Painted "EM 890.6" 890.586

LINE 6

SHORT LINE SOUTH NEAR CENTER OF NORTH BORDER (LEVELED TWICE) (By C. D. Lien, 1966, Book CV-2048)

BELLE PLAINE QUAD. 120

- 1 32 12.7 Hartwick School, 1.8 mi S., 0.8 mi W., T. 80 N., R. 13 W., sec. cors. 3, 4, 9 and 10, 32.7 ft N., 58.5 ft W. and 0.5 ft lower than crossroads; a standard tablet in concrete post stamped "16 CDL 1966" 869.278
- 33 12.7 Reference mark, 18.4 ft N., 51 ft W. from center of crossroads, 13 ft S., 3 ft E. from tablet, a punched hole in the N. hole in a metal culvert 870.11
- 34 13.4 UE, T. 80 N., R. 13 W., near the quarter cor. between sec. line 9 and 10, 0.6 mi S. along rd. from tablet; a copper nail and washer in center of a wooden bridge, 15 ft higher than water; painted "16A" 828.99

DEEP RIVER QUAD. 95

- 35 13.8 UE, T. 80 N., R. 13 W., sec. cors. 9, 10, 15 and 16, 1.0 mi S. along rd. from tablet; a copper nail and washer in center of Hwy. 6, at Hwy. 21 S., painted "16B" 919.84
- 36 14.7 UE, T. 80 N., R. 13 W., near sec. cors. 15, 16, 21 and 22, 115 ft N., 15.5 ft W. and 0.7 ft higher than center of bridge and 23.7 ft higher than water; a chiseled square in the NW. cor. of bridge, painted "16C" 815.82
- 37 14.9 BM "15 DWB 1966" (Described in Line 1) 811.046

LINE 7

WEST ALONG SOUTH BORDER (By D. W. Ephlin, 1964, Book CV-1774)

SIGOURNEY QUAD. 71

- 9.2 "25 DWE 1964" (Described in Line 3) 887.910
- 9.2 Reference mark, 162 ft NE. of tablet, in a power pole; a 60 d spike nail 886.26
- 9.5 UE 25 DWE A, 0.3 mi N. of tablet, 27 ft N., 42 ft E. and 2.3 ft lower than T-rd. E., (offset crossroads) in the N. end of a metal culvert; a punched hole, painted "UE 885.3" 885.35

LINE 7 (Cont'd)

WHAT CHEER QUAD. 72

Feet

10.6	UE 25 DWE B, 0.3 mi N. and 1.0 mi W. of tablet, 22 ft N., 28 ft W. and 1.4 ft lower than crossroads; on N. end of concrete culvert, a chiseled square painted "UE 879.7"	879.72
10.8	Keswick, 3.0 mi N. and 1.25 mi W. of, T. 77 N., R. 12 W., near SW. cor. SE $\frac{1}{4}$ sec. 5, 39 ft N., 105 ft E. and 5.3 ft higher than center of rd. at T-drive S., 1 ft S. of E.-W. fence and metal witness post; a standard tablet stamped "ET 15 DHB 1964" set in concrete post, flush with ground	892.512
10.8	Reference mark, 135 ft SW. of tablet, at W. end concrete culvert; chiseled square	888.62
12.3	UE 25 DWE C, 0.3 mi N. and 2.0 mi W. of tablet, 17 ft S., 29 ft W. and 0.3 ft lower than crossroads, on S. end of concrete culvert; a chiseled square, painted "UE 879.9"	879.93
12.5	Keswick, 3.0 mi N. and 2.75 mi W. of, T. 77 N., R. 12 W., near W. sixteenth cor. between secs. 6 and 7, 35 ft S. of center of E.-W. gravel rd. at T-drive SE $\frac{1}{4}$ and 0.5 ft lower than T-rd., 6 ft W. of W. gate post to barnyard; 2 ft N. of a fence; in concrete post; standard tablet stamped "26 DWE 1964" painted "BM 882.6"	882.619
12.5	Reference mark, 147 ft NW. of tablet, in power pole, a 60d spike nail	882.34
13.1	UE 26 DWE A, 0.1 mi W. of tablet, center of E.-W. gravel rd. at crossroads, painted "UE CL 765.7" (May be erroneously painted)	865.7
13.6	UE 26 DWE B, 1.1 mi W. of tablet, 43 ft S., 33 ft E. and 6.3 ft lower than T-rd. S., (offset crossroads) a power pole, a 60d spike nail, painted "UE 840.3"	840.24
14.6	UE 26 DWE C, 2.1 mi W. of tablet, 40 ft N., 54 ft W. and 1.4 ft lower than crossroads, in power pole, a 60d spike nail, painted "UE 866.5"	866.45
15.6	"27 DWE 1964" (Described in line 2)	885.357
15.6	Reference mark (Described in Line 2)	887.88
16.6	UE 27 DWE A, 0.1 mi W. of tablet, 23 ft N., 4 ft E. and 0.9 ft lower than T-rd. S., in E. end of metal culvert; a punched hole, painted "UE 818.4"	818.36
17.1	Gibson, 1.0 mi N. and 0.5 mi E. of, T. 77 N., R. 13 W., 22 ft N. and 150 ft E. of quarter cor. secs. 5 and 8, 22 ft N. of center of E.-W. rd., 2 ft S. and 2 ft E. of E. gate post to field entrance N., 2 ft S. of a metal witness post extending 4 in. above ground level; painted "BM 890.8"	890.779
17.6	27 DWE B, 2.0 mi W. of tablet, 31 ft S., 68 ft W. and 1.5 ft higher than crossroads, in a power pole, a 60d spike nail, painted "UE 884.9"	884.91
18.3	Gibson, 1.0 mi N. and 0.9 mi W. of, T. 77 N., Rs. 13 and 14 W., approx. 0.1 mi E. of cor. secs. 1, 6, 7 and 12, 32 ft N., 18 ft W. and 1.4 ft higher than T-drive N. to farmhouse, 2 ft S. of white board fence; 4 ft SW. of power pole; in concrete post; standard tablet stamped "29 DWE 1964" painted "896.0"	895.977
18.3	Reference mark, 67 ft S. of tablet, in a power pole, a 60d spike nail	891.35
18.7	UE 28 DWE A, 0.4 mi W. of tablet, center of E.-W. gravel rd. at RR. crossing, painted "UE CL 905.2"	905.16
19.0	UE 28 DWE B, 0.7 mi W. of tablet; center of E.-W. gravel rd. at T-rd. S., painted "UE CL 902.0"	901.94

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DEEP RIVER QUADRANGLE
95 - Iowa

LINE 7 (Cont'd)

WHAT CHEER QUAD. 72

Feet

- 19.6 UE 28 DWE C, 1.2 mi W. of tablet, 29 ft S. and 0.5 ft lower than T-rd. N., in a power pole, a 60d spike nail, painted "UE 900.5" 900.50
- 20.3 UE 28 DWE D, 2.0 mi W. of tablet, center of N.-S. gravel rd. at T-rd. E., painted "UE CL 900.0" 900.01

DEEP RIVER QUAD. 95

- 20.5 UE 28 DWE E, 2.0 mi W. and 0.25 mi N. of tablet, near center of 90° bend in rd. in a power pole, a 60d spike nail, painted "UE 902.5" 902.48
- 21.5 Barnes City, 0.75 mi S. and 0.25 mi E. of, T. 77 N., R. 14 W., near center of SW $\frac{1}{4}$ sec. 3, 26 ft S., 34 ft E. and 1.9 ft lower than T-drive S. to farmhouse, at E. point of 90° bend in rd., 2 ft W. of power pole, in a concrete post; standard tablet stamped "29 DWE 1964" painted "BM 819.3" 819.220
- 21.5 Reference mark, 47 ft W. of tablet, in W. end of a metal culvert; a punched hole 820.17
- 22.5 UE 29 DWE A, 1.0 mi NW. of tablet, near SW. cor. city park in Barnes City, 14 ft S. of center of E.-W. street, in W. end of a metal culvert; a punched hole, painted "UE 904.5" 904.44
- 23.0 UE 29 DWE B, 1.5 mi NW. of tablet, 80 ft S., 21 ft E. and 0.7 ft lower than T-rd. W., in power pole, a 60d spike nail, painted "UE 899.3" 899.28
- 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, painted "UE 900.3" 900.30

MONTEZUMA QUAD. 96

- 24.8 "ET 13 DHB 1964" (Described in Line 5) 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 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, painted "UE 829.7" 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" painted "BM 855.0" 854.901
- 27.2 Reference mark, 82 ft SE. of tablet, on W. end of a concrete culvert; a chiseled square 851.99