

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

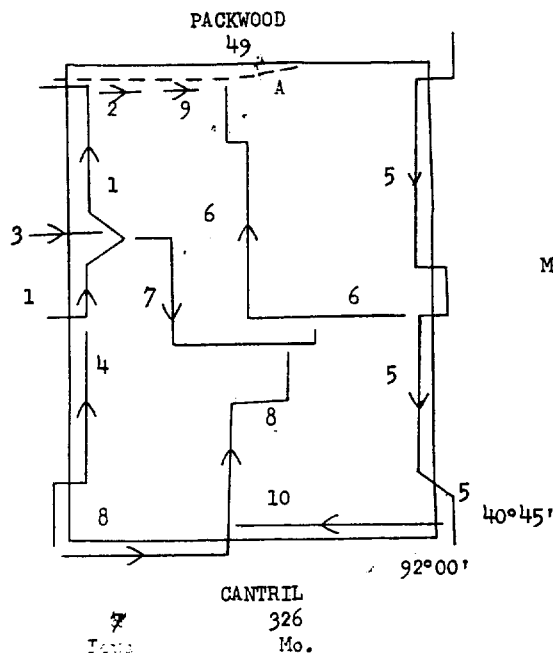
ELDON QUADRANGLE
28-IOWA
N4045-W9200/15
DIAGRAM NK 15-11
CENTERVILLE, MO. IOWA

Wapello, Jefferson, Davis and
Van Buren Counties

Edition of 2/9/65

PR: PM/pw

OTTUMWA SOUTH
29



A = USC&GS LEVELING
QUAD NO. 400921

LINE 1

Feet

NORTH ALONG WEST BORDER (M. V. Thompson, 1955; CV 694)		OTTUMWA SOUTH QUAD 29
11.0	Reference mark, spike in power pole, 60 ft SW. of crossroad, 400 ft S. of tablet	660.61
11.0	Floris, 3.5 mi E. of, along winding gravel rd., near the center of sec. 17, T. 70 N., R. 12 W., 265 ft N. of crossroads, 43 ft W. of center of rd., 2 ft W. of fence; 2 ft SW. of power pole; in a concrete post; standard tablet stamped "5 MT 1955 653 TT"	653.352
11.6	UE, spike in power pole; 50 ft SE. of T-rd. S.	769.69
		ELDON QUAD. 28
12.2	UE, spike in transformer power pole, 30 ft N. of rd., 200 ft NE. of house	800.54
12.7	UE, spike in fence post, 100 ft S. of T-rd S.	806.70
13.3	UE, 1-in. pipe, 15 ft E. of rd. at center of curve	778.77
13.9	Reference mark, spike in transformer power pole, 50 ft W. of rd., 100 ft W. of tablet	772.48
13.9	Eldon, 2.5 mi S., and 1.0 mi W. of; in the NE $\frac{1}{4}$ sec. 9, T. 70 N., R. 12 W.; at the NE. corner of yard of David Sloan farm residence, 38 ft S. of center of rd., 3 ft W. of telephone pole, 1 ft W. of fence corner at N. end of white boardfence, in a concrete post; standard tablet stamped "6 MT 1955 772 TT"	771.749
14.5	UE, spike in telephone pole, 40 ft E. of rd., 40 ft NW. of red barn	780.09

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<u>LINE 1 (Cont'd)</u>	<u>ELDON QUAD. 28</u>	<u>Feet</u>
15.0 UE, spike in power pole, 50 ft S. of rd., 50 ft NW. of white house		645.66
15.6 UE, spike in telephone pole, 40 ft NE. of rd., 100 ft NE. of T-rd. W.		612.07
16.2 Reference mark, copper nail and washer in NE. corner of steel truss bridge		614.41
16.4 Eldon, 1.0 mi S. of, near quarter cor. secs. 34 and 35, T. 71 N., R. 12 W.; 0.2 mi NW. along gravel rd., from steel bridge over Soap Creek, 41 ft SW. of center of rd., 29 ft E. of E. corner of small un-painted house, 1 ft W. of telephone pole, in a concrete post; standard tablet stamped "7 MT 1955 614 TT"		614.183
17.2 UE, center of rd. at private drive W. to white house		616.3
17.8 UE, copper nail and washer in center of plank at SW. end of bridge over Des Moines River at Eldon		623.39
18.4 UE, RR. spike in telephone pole, 40 ft E. of rd., 200 ft SW. of white house near W. city limits of Eldon		654.32
19.0 Reference mark, spike in telephone pole, 40 ft S. of rd., 100 ft SE. of tablet		669.29
19.1 Eldon, 1.0 mi N. and 1.0 mi W. of, near cor. secs. 21, 22, 27 and 28, T. 71 N., R. 12 W., in SW. corner of yard of Robert McAllister, farm residence, 145 ft NE. of T-rd. N.; 32 ft N. of center of rd., 50 ft W. of sidewalk, 44 ft SW. of SW. corner of house in a concrete post; a standard tablet stamped "8 MT 1955 663 TT"		663.290
19.7 UE, chiseled square in center of E. headwall of a concrete culvert		655.91
20.2 UE, spike in power transformer pole, 50 ft N. and 30 ft E. of center of rd., at private drive E.		744.30
20.9 UE, spike in power pole, 30 ft N. of rd., 100 ft W. of sharp curve and 500 ft S. of house		782.81
21.3 Reference mark, spike in power pole, 75 ft S., and 50 ft E. of center of rd. at T-rd. W.; 550 ft SE. of tablet		788.60
21.4 Eldon, 3.0 mi N. and 1.0 mi W. of, near N. sixteenth cor. sec. 15 and 16, T. 71 N., R. 12 W., 510 ft N. of Y-rd. NW.; 49 ft W. of center of State Hwy. 16, 1 ft E. of fence, 1 ft SW. of power pole, in a concrete post; a standard tablet stamped "9 MT 1955 788 TT"		788.167
22.0 UE, copper nail and washer in center of hwy. at center of culvert		766.50
22.4 UE, copper nail and washer at center of crossroads		794.84
22.9 Reference mark, spike in power pole; 200 ft S. of tablet; 70 ft E. of hwy.		797.08
22.9 Eldon, 4.5 mi N. and 1.0 mi W. of, 237 ft S. of crossroads, at the quarter corner sections 3 and 4, T. 71 N., R. 12 W., 70 ft E. of center of Hwy. 16, 1 ft W. of fence, 2 ft E. of power pole, in concrete post; a standard tablet stamped "10 MT 1955 798 TT"		798.208
23.8 UE, copper nail and washer at center of RR. crossing		804.74
24.1 UE, copper nail and washer at center of crossroads		800.21
<u>OTTUMWA SOUTH QUAD. 29</u>		
24.6 UE, copper nail and washer in center of rd. at fence S.		800.72
25.2 UE, copper nail and washer, in center of rd. at private drive S.		799.73
25.7 UE, copper nail and washer in center of rd. at T-rd. S.		781.91

LINE 1 (Cont'd)

OTTUMWA SOUTH QUAD 29 Feet

- 26.0 Agency City, 2.1 mi E. along the Chicago, Burlington and Quincy RR. from the station at; at a rd. crossing, 78 ft N. of the center of N. track, 24 ft W. of the center of rd., 4 ft SW. of a fence corner, 1 ft S. of the fence, and level with the track, a USC&GS standard disk stamped "C 124 1935" and set in top of a concrete post 797.964

LINE 2

- CHECK LINE IN NORTH WEST CORNER OF QUAD. (M. V. Thompson, 1955; CV 694) ELDON QUAD. 28
- 0.0 UE, copper nail and washer at center of RR. crossing 804.74
- 1.0 UE, copper nail and washer at RR. crossroads, center of N. track at center of N.-S. rd. 797.93
- 2.0 Batavia, 1.6 mi W. along the C.B.&Q. RR. from the station at; at a rd. crossing, 54 ft N. of the center of N. track, 33 ft W. of the center of rd., 1 ft S. of a fence, and about 3 ft lower than the track a USC&GS standard disk stamped "E 124 1935" and set in top of a concrete post 778.184

LINE 3

- EAST IN NORTHWEST PORTION OF QUAD. (R. E. Carey, 1955; CV 692) OTTUMWA SOUTH QUAD. 29
- 12.0 Reference mark, about 290 ft NW. of tablet; 30 ft N. and 95 ft E. of T-rd. S.; in root on SE. side of a 12-in. elm tree; copper nail and washer 617.37
- 12.0 Eldon, 2.0 mi W. of, 38 ft S., and 365 E. of T-rd. S.; which is near cor. secs. 28, 29, 32 and 33, T. 71 N., R. 12 W.; 38 ft S., center of rd. at junction of E. Y-rd. of T-rd. S.; 1 ft N. of fence line, in concrete post; standard tablet stamped "128 RC 1955 620" 619.973
- ELDON QUAD. 28
- 12.9 UE, T. 71 N., R. 12 W., in the SE $\frac{1}{4}$ sec. 28, center of rd. at field entrance SE. 621.1
- 13.7 UE 623.45 (described in Line 1) 623.39

LINE 4

- NORTH ALONG SOUTH PORTION OF WEST BORDER (R. E. Carey, 1955; CV 692) OTTUMWA SOUTH 29
- 5.0 UE, T. 69 N., R. 12 W., near quarter cor. between secs. 20 and 21, 65 ft S. and 25 ft W. of rd. at E.-W. fence line; in root on E. side of a 30-in. elm tree; copper nail and washer 754.39
- 5.0 Center of rd. at E.-W. fence line, near quarter cor. between secs. 20 and 21, T. 69 N., R. 12 W. 755.6
- 5.5 UE, T. 69 N., R. 12 W., about 0.1 mi S. of cor. secs. 16, 17, 20 and 21; center of bridge over Oak Creek (11.7 ft above water level 8/25/55) copper nail and washer 720.36
- 6.2 UE, T. 69 N., R. 12 W., about 0.2 mi N. of quarter cor. between secs. 16 and 17, center of rd. at T.-rd. S. 794.2
- 6.4 Center of curve at drive E. to church 805.0
- 6.5 Reference mark, 50 ft E. of tablet; near center of S. edge of concrete porch of church; chiseled square 806.03

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LINE 4 (Cont'd)

OTTUMWA SOUTH 29

Feet

- 6.5 Bloomfield, 2.3 mi N. and 8.7 mi E. of; in the NW $\frac{1}{4}$ sec. 16, T. 69 N., R. 12 W., at the W. side of church yard of the Gospel Tabernacle, 34 ft W. of the SW. corner of the church; 13 ft N. of fence corner post, 3 ft S. of power pole; 1 ft E. of fence, in concrete post; standard tablet stamped "TT 22 MT 1955 805" 805.109
- 6.9 UE, T. 69 N., R. 12 W., near the center of sec. 16, 55 ft N. and 38 ft E. of curve at rd. N., in root on NW. side of a 24-in. oak tree; copper nail and washer 797.67
- 7.3 Center of bridge, 0.17 mi S. quarter cor. between secs. 9 and 16, T. 69 N., R. 12 W.; copper nail and washer 703.56
- 7.4 UE, T. 69 N., R. 12 W., near quarter cor. between secs. 9 and 16, center of rd. at T-rd. E. 711.8
- 8.0 UE, T. 69 N., R. 12 W., about 0.1 mi N. of center of sec. 9, center of rd. at T-rd. E. 781.6
- 8.4 UE, T. 69 N., R. 12 W., near quarter cor. between secs. 4 and 9, center of rd. at T-rd. S. 802.5

ELDON QUAD 28

- 8.8 Reference mark, about 260 ft W. of tablet; 40 ft N. of center of rd. at farm yard, in root on SE. side of 12-in. elm tree; copper nail and washer 812.41
- 8.8 Bloomfield, 3.5 mi N., and 9.5 mi E. of; 645 ft W. of a T-rd. W. at the cor. secs. 3, 4, 9 and 10, T. 69 N., R. 12 W., 27 ft N. of center of rd., 15 ft E. of center of wire gate, in concrete post; standard tablet stamped "TT 23 MT 1955 813" 812.625
- 8.9 UE, T. 69 N., R. 12 W., near cor. secs. 3, 4, 9 and 10, center of rd. at T-rd. W. 792.5
- 9.3 UE, T. 69 N., R. 12 W., about 0.1 mi S. of quarter cor. between secs. 3 and 4, center of bridge 739.5
- 9.7 T. 69 N., R. 12 W., about 0.25 mi S. of cor. secs. 3, 4, 33 and 34; W. end of curve at rd. E. 788.75
- 9.9 UE, T. 69 N., R. 12 W., near center of NE $\frac{1}{4}$ sec. 4, 62 ft N. and 240 ft E. of T-rd. N., on SE. corner of lower concrete step of church house; chiseled square 805.54
- 9.9 Center of rd. at T-rd. N.; near center of NE $\frac{1}{4}$ sec. 4, T. 69 N., R. 12 W. 801.1
- 10.2 Center of rd. at T-rd. E.; near E. sixteenth cor. between secs. 4 and 33, Tps. 69 and 70 N., R. 12 W. 801.7
- 10.6 UE, Tps. 69 and 70 N., R. 12 W., near W. sixteenth cor. between secs. 3 and 34, about 300 ft W. of rd. corner crest of hill at field rd. S. 781.3
- 11.3 Reference mark, about 150 ft W. of tablet; 40 ft S. of center of rd., in root on NW. side of an 8-in. willow tree; copper nail and washer 693.10
- 11.3 Bloomfield, 4.0 mi N. and 10.0 mi E. of; 0.1 mi W. of a T-rd. N.; near the center of sec. 34, T. 70 N., R. 12 W., 505 ft W. of the W. end of bridge, 22 ft S. of center of rd., 2 ft S. of fence, 2 ft NE. of power pole, in concrete post; standard tablet stamped "TT 24 MT 1955 692" (Reported Destroyed 6-64 FDR) 692.079
- 11.4 Center of rd. at T-rd. N.; near the center of sec. 34, T. 70 N., R. 12 W. 696.3
- 12.0 UE, T. 70 N., R. 12 W., near quarter cor. between secs. 27 and 34; 69 ft S., 55 ft E. and 6.2 ft higher than rd. corner, in root on NW. side of an 8-in. hickory tree; copper nail and washer 777.97
- 12.5 UE, T. 70 N., R. 12 W., near cor. secs. 27, 28, 33 and 34; in NE. corner of floor of bridge (10.2 ft above water 8/30/55); copper nail and washer 707.56

<u>LINE 4 (Cont'd)</u>	<u>ELDON QUAD. 28</u>	<u>Feet</u>
13.0 UE, T. 70 N., R. 12 W., near quarter cor. between secs. 28 and 33, center of curve at rd. E.		722.4
13.5 UE, T. 70 N., R. 12 W., near the center of sec. 28, center of rd. at T-rd. E.		787.9
14.0 Center of rd. at T-rd. W.; 597 ft S. of "25 MT"		803.1
14.1 Floris, 1.3 mi S. and 4.5 mi E. of; 597 ft N. of a T-rd. W.; at the quarter cor. secs. 21 and 28, T. 70 N., R. 12 W., 37 ft E. of center of rd., 46 ft N. of fence corner, 1 ft W. of fence, 2 ft N. of power pole; in concrete post; standard tablet stamped "TT 25 MT 1955 804"		803.646
15.0 UE, T. 70 N., R. 12 W., near the center of SW $\frac{1}{4}$ sec. 22, center of curve at private drive E.		813.7
15.7 UE, T. 70 N., R. 12 W., in the NW $\frac{1}{4}$ sec. 22, center of rd. at T-rd. W.		788.7
16.2 UE, T. 70 N., R. 12 W., about 0.2 mi S. of quarter cor. between secs. 15 and 16, 10 ft W., and about 1 ft higher than center of rd., near the center of W. head-wall of concrete culvert; chiseled square.		774.17
16.9 Center of rd. at T-rd. S., in the NE $\frac{1}{4}$ sec. 16, T. 70 N., R. 12 W.		799.5
16.9 Reference mark, about 350 ft E. of tablet; 112 ft N. of center of rd., at SW corner of church on concrete slab; chiseled square		802.13
17.0 Floris, 0.5 mi N. and 4.8 mi E. of; 785 ft W. along rd. from T-rd. S., near the center of NE $\frac{1}{4}$ sec. 16, T. 70 N., R. 12 W., at the SW. corner of Bethlehem Church Cemetery, 50 ft N. of center of rd., 1 ft S., and 2 ft E. of fence corner, 2 ft NE. of power pole; in concrete post; standard tablet stamped "TT 26 MT 1955 810"		809.498
17.3 "UE 800.3" (described in Line 1)		800.54

LINE 5

<u>SOUTH ALONG EAST BORDER (F. D. Eagan, 1964; CV 1702)</u>	<u>PLEASANT PLAIN QUAD. 48</u>
0.0 Fairfield at; on the C.B. & Q RR., 150 ft E. of the station, at a street crossing, 44 ft W. of the center of street, 15 ft S. of the center of S. track, and at the NE. corner of E. RR. park; a US&GS standard disk stamped "M 124 1935" and set in top of a concrete post	771.527
<u>MOUNT ZION QUAD. 27</u>	
0.6 UE M 124 A, about 0.5 mi SW. of tablet; 28.7 ft W., 25.1 ft N. and 0.4 ft lower than center of cross streets (W. Burlington Ave. and S. 5th St.) in Fairfield; 0.2 ft N. of street curb, in the SE. corner of concrete sidewalk; chiseled square; painted "UE 768.6"	768.59
1.5 UE M 124 B, about 1.15 mi (airline) SW. of tablet; 27.7 ft N., 21.8 ft W. and 1.0 ft higher than center of cross-streets (W. Filmore Ave. and S. 7th St.) in SW. portion of Fairfield, in the SE. corner of the S. end of concrete sidewalk; chiseled square; painted "UE 763.2"	763.18
2.5 UE, M 124 C, about 2.5 mi (airline) SW. of tablet; T. 71 N., R. 10 W., in NW $\frac{1}{4}$ sec. 2, about 550 ft SW. of T-rd. NE.; 265 ft NE. of T-rd. S.; 33 ft SE., 12.5 ft NE. and 4.1 ft lower than center of NE.-SW. rd., at private drive SE., in the NE. end of an 18-in. circular metal culvert; punchedhole; painted "UE 742.6"	742.6
3.5 Reference mark, 220 ft ENE. of tablet; about 150 ft down-stream from new concrete bridge, in the NW. corner of the NE. rock bridge abutment (abandoned) chiseled square; painted "RM 669.8"	669.85

LINE 5 (Cont'd)

MOUNT ZION QUAD. 27

Feet

- 3.5 Fairfield, 1.8 mi S. and 1.7 mi W. of junction of US Hwy. 34 and state Hwy. 1 at; T. 71 N., R. 10 W., near center of sec. 3; 142.5 ft SW., 13 ft SE. and 2.1 ft lower than center of concrete bridge over Big Cedar Creek; 88 ft NE. and 2.4 ft higher than center of T-rd. S.-SW.; in the SE. end of the SW. concrete bridge abutment; standard tablet stamped "1 FDR 1964 680" painted "EM 680.3" 680.294

ELDON QUAD. 28

- 4.6 UE 1 A, 1.05 mi SW. along gravel rd. from tablet; T. 71 N., R. 10 W., near quarter corner between secs. 9 and 10, 15.3 ft N., 14.6 ft E. and 0.8 ft lower than center of N.-S. rd. at wooden bridge; in E. side of 12-in. pole which forms part of the NE. wingwall of wooden bridge; head of rail spike; painted "UE 676.6" 676.59
- 5.6 UE 1 B, 1.98 mi SSW. along gravel rd. from tablet; T. 71 N., R. 10 W.; about 700 ft N. of quarter cor. between secs. 15 and 16; 21.5 ft S., 24.5 ft W. and 2.2 ft lower than center of T-rd. W.; in the S. end of a 24-in. circular metal culvert; punched hole; painted "UE 755.5" 755.5
- 6.2 UE 1 C, 2.6 mi SSW. along gravel rd. from tablet; about 0.3 mi W. of Jefferson County Home; T. 71 N., R. 10 W., at cor. secs. 15, 16, 21 and 22; 24.6 ft N., 23 ft E. and 2.2 ft lower than center of crossroads; in the E. end of a 24-in. circular metal culvert; punched hole; painted "UE 755.4" 755.4
- 7.5 Fairfield, 5.6 mi S. and 2.2 mi W. of junction of US Hwy. 34 and State Hwy. 1 at; about 3.3 mi (airline) SE. of crossroads at Libertyville; T. 71 N., R. 10 W.; 0.2 mi N. of quarter cor. between secs. 27 and 28; 17.3 ft E. and 0.3 ft lower than center of N.-S. rd. at culvert; in the center of E. concrete headwall of a 3 X 4 ft concrete box culvert; standard tablet stamped "2 FDR 1964 743" painted "EM 743.0" 743.004
- 7.5 Reference mark, 126 ft SW. of tablet; 27 ft W. and 11.3 ft N. of center of N.-S. rd. at private drive W. to barn, in the N. end of an 18-in. circular metal culvert; punched hole; painted "RM 744.1" 744.10
- 8.2 UE 2 A, 0.7 mi S. along gravel rd. from tablet; T. 71 N., R. 10 W., at cor. secs. 27, 28, 33 and 34; 21 ft N., 18.6 ft W. and 1.5 ft lower than center of crossroads; in the N. end of an 18-in. circular concrete culvert; chiseled square; painted "UE 754.2" 754.20
- 9.2 UE 2 B, 1.7 mi S. along gravel rd. from tablet; T. 71 N., R. 10 W.; in SW. corner of SW $\frac{1}{4}$ sec. 34; at Jefferson and Van Buren County Lines; 25.5 ft E., 17 ft N. and 1.8 ft lower than center of T-rd. S. at offset crossroads; in N. end of a 36-in. circular metal culvert; punched hole; painted "UE 754.1" 754.1
- 10.0 UE 2 C, 2.5 mi S. along gravel rd. from tablet; T. 70 N., R. 10 W.; about 0.2 mi S. of quarter cor. between secs. 3 and 4; 23.8 ft E., 18.0 ft S. and 1.0 ft higher than center of T-rd. E.; 0.1 ft above ground, in the W. side of a telephone pole; head of rail spike; painted "UE 755.9" 755.92
- 10.7 Reference mark, 138.7 ft NW. of tablet; 83 ft E. and 63 ft N. of center of E.-W. rd. at field entrance S., 0.6 ft above ground, in the ENE. side of a 12-in. hickory tree; head of a rail spike; painted "RM 685.7" 685.70
- 10.7 Birmingham, 2.8 mi W. and 0.2 mi N. of crossroads; at; T. 70 N., R. 10 W.; in NW $\frac{1}{4}$ sec. 10; about 0.2 mi ESE. of T-rd. N.; 36 ft NE. and 11.1 ft lower than center of E.-W. rd. at culvert, the center of N. concrete headwall of a 6 X 6 ft concrete box culvert; standard tablet stamped "3 FDR 1964 677" painted "EM 677.4" 677.373

MOUNT ZION QUAD. 27

- 11.7 UE 3 A, 0.2 mi SE. and 0.7 mi S. along gravel rd. from tablet; T. 70 N., R. 10 W., at quarter cor. between secs. 10 and 15; 95.2 ft SE. and 1.7 ft lower than center of T-rd. E.; 26.0 ft S. and 8.0 ft W. of center of N.-S. rd. at field entrance S., in the W. end of a 16-in. circular metal culvert; punched hole; painted "UE 749.7" 749.7

LINE 5 (Cont'd)

ELDON QUAD 28

Feet

- 12.2 UE, 3 B, about 0.8 mi (airline) SSW. of tablet; T. 70 N., R. 10 W.; at cor. secs. 9, 10, 15 and 16; 238.7 ft W. and 26 ft S. of center of T-rd. S. at offset crossroads (dim rd. N.) 30 ft SW. and level with center of T-rd. N; 0.1 ft above ground in the E. side of a telephone pole; head of a rail spike; painted "UE 741.4" 741.45
- 13.3 UE 3 C, about 1.9 mi (airline) S. of tablet; T. 70 N., R. 10 W.; about 0.1 mi S. of cor. secs. 15, 16, 21 and 22; 82 ft S., 13.3 ft W. & 0.3 ft lower than center of steel bridge over creek, in the W. side of a 12-in. pole which forms part of SW. wingwall of steel bridge; head of rail spike; painted "UE 632.3" 632.30
- 14.5 Reference mark, 201.3 ft SE. of tablet; 45 ft N. and 33 ft E. of center of T-rd. N.; at offset crossroads; in the E. end of a 24-in. concrete circular culvert; chiseled square; painted "Reference mark 742.3" 742.31
- 14.5 Birmingham, 3.0 mi W. and 2.7 mi S. of center of crossroads at; T. 70 N., R. 10 W.; in NW $\frac{1}{4}$ sec. 27; 155 ft N., 128 ft W. and 0.5 ft higher than center of T-rd. N. at offset crossroads; (State Hwy. 16 and gravel rds.) 210.6 ft NE. of center of T-rd. S. 15.3 ft E. of NE. corner of schoolhouse; in the SE. corner of a 4 X 4 ft concrete wall curb; standard tablet stamped "4 FDR 1964 745" painted "B. M. 745.5" 745.499
- 15.5 UE 4 A, 0.9 mi S. along gravel rd. from tablet; T. 70 N., R. 10 W.; near cor. sec. 27, 28, 33 and 34; about 400 ft S. of farmhouse; on W. side of rd., about 350 ft N. of red barn on W. side of rd., 18.6 ft E. and 2.5 ft lower than center of N.-S. rd. at culvert; in the E. end of an 18-in. circular metal culvert; punched hole; painted "UE 712.0" 712.0
- 16.4 UE 4 B, 1.8 mi S. along gravel rd. from tablet; T. 70 N., R. 10 W.; in SE. cor. SE $\frac{1}{4}$ sec. 33, 17.2 ft W., 25.4 ft N. and 2.7 ft lower than center of T-rd. N.; in the W. end of a 20-in. circular metal culvert; punched hole; painted "UE 655.2" 655.2
- 16.9 UE 4 C, 1.8 mi S. and 0.5 mi W. along gravel rds. from tablet; T. 69 N., R. 10 W.; in NW. corner of NE $\frac{1}{4}$ sec. 4; 41 ft E., 36 ft S. and 4.7 ft higher than center of T-rd. S. 0.1 ft above ground, in the E. side of power line pole; head of rail spike; painted "UE 637.4" 637.43
- 17.4 Reference mark, 227.4 ft NW. of tablet; 224.0 ft NW., 27.9 ft SW. and 6.0 ft higher than center of NW-SE. rd. at steel bridge over creek; 0.1 ft above ground, in the SW. side of a power line pole; head of rail spike; painted "Reference mark 604.9" 604.90
- 17.4 Birmingham, 5.0 mi S. and 3.4 mi W. of crossroads at; about 2.0 mi upriver from the village of Kilbourn; T. 69 N., R. 10 W., near center of sec. 4; 70 ft S. of NW. SE. rd. at steel bridge; 9 ft N. and 19.7 ft lower than wooden RR. bridge SD2, in the N. end of a 241 by 19.6 concrete RR. bridge support which is on W. side of small drain; standard tablet stamped "5 FDR 1964 584" painted B. M. 583.9" 583.859
- 18.9 UE 5 A, about 1.3 mi (airline) SSE. of tablet; T. 69 N., R. 10 W.; in SE $\frac{1}{4}$ sec. 9, 27.6 ft S., 43 ft W. and 4.7 ft higher than center of T-rd. E.; 0.1 ft above the ground, in the E. side of powerline pole; head of rail spike; painted "UE 709.3" 709.31
- 19.7 UE 5 B, about 2.0 mi SSE. of tablet; T. 69 N., R. 10 W.; at quarter cor. between secs. 15 and 16; 26 ft S., 28 ft W. and 6.5 ft lower than center of T-rd. W.; in the W. end of a 30-in. circular metal culvert; punched hole; painted "UE 726.3" 726.3

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ELDON QUADRANGLE
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LINE 5 (cont'd)

MOUNT ZION QUAD. 27

Feet

- 20.5 Reference mark, 205 ft N. of tablet; 43 ft W., 16.6 ft N. and 2.0 ft lower than center of T-rd. NW.; in the N. end of a 24-in. circular metal culvert; punched hole; painted "Reference mark 666.0" 666.04
- 20.5 Pittsburg, 1.5 mi N. and 0.3 mi W. of concrete bridge over Des Moines River at; T. 69 N., R. 10 W., near quarter cor. between secs. 15 and 22; about 190 ft S. of center of T-rd. NW.; 72 ft S. of center of N.-S. rd. at private drive E.; 21.5 ft W. and 5.9 ft lower than center of N.-S. rd. at box culvert; in the N. end of the W. concrete headwall of a 6 X 6 ft box culvert; standard tablet stamped "6 FDR 1964 662" painted "B. M. 662.4" 662.427
- 21.2 UE 6 A, 0.66 mi S. along gravel rd. from tablet; T. 69 N., R. 10 W., near center of sec. 22; 178.4 ft N., 32 ft W. and 6.6 ft higher than center of N.-S. rd. at rd. fork W.; 13 ft N. of center of cut off rd. between rd. forks; 0.4 ft above ground, in the E. side of a powerline pole; head of a rail spike; painted "UE 642.5" 642.50

KEOSAUQUA QUAD. 6

- 22.5 Keosauqua, about 2.0 mi (airline) NW. of Des Moines River bridge at; at Pittsburg; T. 69 N., R. 10 W.; in SE $\frac{1}{4}$ sec. 27; 14.2 ft N. and 0.7 ft higher than center of E. end of concrete bridge over Des Moines River, in the E. end of the N. concrete bridge curb; standard tablet stamped "7 FDR 1964 598" painted "B. M. 597.5" 597.511
- 22.5 Reference mark, 110.4 ft SE. of tablet; 55.3 ft S. and 12.9 ft W. of E.-W. rd. at field entrance S.; 0.4 ft above ground, in the N. side of the most northern one of two transmission linepoles; head of rail spike; painted "Reference mark 592.4" 592.40

LINE 6

WEST FROM CENTER OF EAST BORDER THENCE NORTH (F. D. Ragan, 1964; CV 1702)

ELDON QUAD. 28

- 0.0 "3 FDR 1964" (described in Line 5) 677.373
- 0.8 UE 3 D, 0.85 mi W. along gravel rd. from tablet; T. 70 N., R. 10 W.; near center of N. half sec. 9, 82.2 ft E., 11.7 ft S. and 2.6 ft higher than center of E.-W. rd. at concrete bridge over creek; in the E. end of the S. concrete bridge banister; chiseled square; painted "UE 653.9" 653.87
- 1.5 UE 3 E, 1.5 mi W. along gravel rd. from tablet; T. 70 N., R. 10 W.; in NE $\frac{1}{4}$ sec. 8; 69 ft S., 35 ft W. and 3.5 ft lower than center of T-rd. S.; 0.1 ft above ground, in the E. side of a power line pole; head of rail spike; painted "UE 729.0" 729.02
- 2.3 UE 3 F, 2.3 mi WNW. along gravel rd. from tablet; T. 70 N., R. 10 W.; near cor. secs. 5, 6, 7 and 8; 76.6 ft W., 35.5 ft S. and 2.0 ft lower than center of crossroads; 74 ft N. of E. entrance to schoolhouse; 12.5 ft E. of N.-S. drive to school yard, level with ground; in the N. side of a powerline pole; head of rail spike; painted "UE 741.7" 741.74
- 2.9 Reference mark, 205.7 ft SE. of tablet; 134.2 ft SE. and 35.3 ft NE. of center of crossroads; 39.9 ft S. of SE. corner of abandoned farmhouse, 0.5 ft above ground, in the SW. side of a 20-in. cedar tree; head of rail spike; painted "Reference mark 757.7" 757.70
- 2.9 Douds, 3.6 mi N. and 1.9 mi E. of concrete bridge over Des Moines River at; T. 70 N., R. 10 W.; near center of S. half Sec. 6; about 140 ft SE. of pond; 67.3 ft NW., 52.2 ft NE. and 1.1 ft lower than center of crossroads; 23.2 ft E. of powerline pole; 1.0 ft S. of E.-W. right-of-way fence; in concrete post set flush; standard tablet stamped "11 FDR 1964 757" painted "B. M. 756.6" 756.658

<u>LINE 6</u>	<u>ELDON QUAD. 28</u>	<u>Feet</u>
3.7 UE 11 A, 0.8 mi W. along gravel rd. from tablet; T. 70 N., R. 11 W.; in SE $\frac{1}{4}$ sec. 1; 128.6 ft N., 26.4 ft W. and 0.5 ft lower than center of crossroads; 13.0 ft S. of E.-W. driveway, in top of S. end of an 18-in. concrete circular culvert; chiseled square; painted "UE 749.4"		749.29
4.9 UE 11 B, 2.1 mi W. along gravel rd. from tablet; T. 70 N., R. 11 W., near center of sec. 2, 76 ft E., 12.6 ft S. and 3.1 ft lower than center of T-rd. N.; in top of the S. end of a 24-in. circular metal culvert; punched hole; painted "UE 756.8"		756.8
5.8 UE 11 C, 2.5 mi (airline) W. of tablet; T. 70 N., R. 11 W., at the S. eighth corner between secs. 2 and 3; 20.5 ft W., 23.5 ft S. and 1.5 ft lower than center of T-rd. S.; in top of the S. end of a 32-in. circular metal culvert; punched hole; painted "UE 772.3"		772.4
6.5 Selma, 2.3 mi E. and 1.3 mi N. of bridge over Des Moines River at; T. 70 N., R. 11 W., in SW $\frac{1}{4}$ sec. 3; 178 ft ESE. of SE. corner of a farmhouse; 104 ft E., 34.9 ft N. and 1.9 ft higher than center of T-rd. N.; 0.8 ft S. of E.-W. right-of-way fence line; in top of concrete post projecting 2-in. standard tablet stamped "12 FDR 1964 755" painted "B. M. 774.5"		774.580
6.5 Reference mark, 430 ft W. of tablet; 326 ft W. of center of T-rd. N.; 16 ft N. of center of E.-W. rd. at culvert; in top of the N. end of an 18-in. circular metal culvert; punched hole; painted "R. M. 763.7"		763.8
7.2 UE 12 A, 0.7 mi N. along gravel rd. from tablet; T. 70 N., R. 11 W., in NW $\frac{1}{4}$ sec. 3; 27.7 ft E., 21 ft S. and 2.4 ft lower than center of T-rd. E.; in the top of the S. end of a 24-in. circular metal culvert; punched hole; painted "UE 774.2"		774.3
7.8 UE 12 B, 1.3 mi NW. along gravel rd. from tablet; T. 71 N., R. 11 W., at quarter cor. between secs. 33 and 34; 29.6 ft S., 34.5 ft E. and level with center of T-rd. SW.; 0.2 ft above ground, in the W. side of power pole; head of rail spike painted "UE 780.7"		780.84
8.9 UE 12 C, 2.4 mi generally N. along gravel rd. from tablet; T. 71 N., R. 11 W., near center of W. half sec. 27; 35.4 ft N., 31 ft E. and 1.9 ft higher than center of crossroads 0.2 ft above ground, in the SSE. side of a powerline brace pole; head of rail spike; painted "UE 773.4"		773.46
9.4 Selma, 4.1 mi N. and 2.1 mi E. of steel bridge over Des Moines River at; T. 71 N., R. 11 W., at W. eighth corner between secs. 22 and 27; 18 ft S., 12 ft W. and 1.1 ft lower than center of N.-S. rd. at small wooden bridge with iron railings, in the W. end of the S. concrete bridge abutment; standard tablet stamped "13 FDR 1964 717" painted "B. M. 717.4"		717.441
9.4 Reference mark, 120.8 ft NNE. of tablet; 99.5 ft N. and 19.5 ft E. of N.-S. rd. at small wooden bridge with iron railings; 0.4 ft above ground in the W. side of a 10-in. oak tree; head of rail spike; painted "R. M. 720.4"		720.42
9.9 UE 13 A, 0.5 mi N. along gravel rd. from tablet; T. 71 N., R. 11 W., near center of W. half sec. 22; 65 ft E., 26.0 ft W. and 3.0 ft lower than center of crossroads; 12 ft E. of field entrance, in top of the E. end of an 18-in. circular metal culvert; punched hole; painted "UE 765.7"		765.7
10.9 UE 13 B, 1.5 mi N. along gravel rd. from tablet; T. 71 N., R. 11 W., near center of W. half sec. 15; 270 ft S. of center of N.-S. rd. at private drive E. to farmhouse, 23.2 ft NW. and 0.8 ft lower than center of N.-S. rd. at culvert; in the center of W. concrete headwall of a 2.7 X 5.6 concrete box culvert; chiseled square; painted "UE 724.5"		724.51
11.4 UE 13 C, 2.0 mi N. along gravel rd. from tablet; T. 71 N., R. 11 W.; in SW $\frac{1}{4}$ sec. 10, 21.6 ft W., 24.3 ft N. and 1.7 ft lower than center of crossroads; in top of N. concrete headwall of a 22-in. circular concrete culvert; chiseled square; painted "UE 749.5"		749.51

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ELDON QUADRANGLE
28-IOWA

LINE 6 (Cont'd)

ELDON QUAD. 28

Feet

- 12.3 Batavia, 2.7 mi E. and 1.3 mi S. of C. B. & Q. RR. depot at; T. 71 N., R. 11 W.; in NW $\frac{1}{4}$ sec. 10, 317.4 ft S. of crossroads; 14.8 ft W. and 1.8 ft lower than center of N-S. rd. at culvert; in the center of the W. concrete headwall of a 5 X 6 ft concrete box culvert; standard tablet stamped "14 FDR 1964 718" painted "B. M. 717.7" 717.735
- 12.3 Reference mark, 346.6 ft N. of tablet; 25.5 ft N., 21.8 ft E. and 1.3 ft lower than center of crossroads; in top of the E. end of a 24-in. circular metal culvert; punched hole; painted "Reference Mark 725.0" 725.03
- 13.0 Center of T-rd. S. 722.7
- 13.6 UE 14 A, 1.2 mi W. along gravel rd. from tablet; T. 71 N., R. 11 W.; at cor. secs. 4, 5, 8 and 9; 321.2 ft E. and 7.7 ft lower than center of crossroads; 19.7 ft S. and 2.6 ft lower than center of E.-W. rd. at culvert; in top of the S. end of a 28-in. circular concrete culvert; chiseled square; painted "UE 751.5" 751.47
- 14.7 UE 14 B, 1.2 mi W. and 1.1 mi N. along gravel rds. from tablet; T. 71 N., R. 11 W., in NE. corner of NE $\frac{1}{4}$ sec. 5; 332 ft S. and 2.6 ft lower than center of T-rd. W.; 44 ft S., 10.5 ft W. and 0.5 ft higher than center of N.-S. rd. at new concrete bridge over Rock Creek in the S. end of the W. concrete bridge curb; chiseled square painted "UE 699.4" 699.38
- 15.4 Batavia, 1.6 mi E. along the C. B. & Q. RR. from the station at; at overpass 264.78, in the top step at the N. end of the E. concrete abutment, 8 ft N. of the center of N. track, and level with the track; a USC&GS standard disk, stamped "G 124 1935" 725.999

LINE 7

A LINE IN CENTER PORTION OF QUAD. (F. D. Ragan, 1964; CV 1702)

ELDON QUAD. 28

- 0.0 "7 MT 1955 614 TT" (described in Line 1) 614.183
- 1.2 UE 7 MT A, 1.2 mi SE. along gravel rd. from tablet; T. 70 N., R. 12 W., near quarter cor. between secs. 2 and 11; 11 ft NW., 24 ft NE. and 4.1 ft lower than T-rd. SW. at W. bank of Des Moines River, in the SW. side of a telephone pole and level with ground; head of rail spike; painted "UE 614.0" 613.98
- 2.4 Reference mark, 244.7 ft WNW. of tablet; 135 ft W. of center of T-rd. W.; 59 ft N. of E.-W. rd., 0.1 ft above ground, in the ESE. side of an 8-in. cottonwood tree; head of rail spike; painted "Reference mark 630.2" 630.15
- 2.4 Eldon, 3.1 mi S. and 2.1 mi E. of concrete bridge over Des Moines River at; 1.6 mi W. and 0.3 mi N. of bridge over Des Moines River at Selma; T. 70 N., R. 12 W.; in SW $\frac{1}{4}$ sec. 12, 126 ft SE., 55 ft SW. and 0.8 ft higher than center of T-rd. W.; 1.0 ft N. of E.-W. right-of-way fence; in concrete post projecting 2-in.; standard tablet stamped "15 FDR 1964 627" not painted 626.750
- 3.3 UE 15 A, 1.0 mi E. along gravel rd. from tablet; T. 70 N., R. 11 W., in SW $\frac{1}{4}$ sec. 7; 67.4 ft W., 12.7 ft N. and 0.5 ft higher than center of E.-W. road at concrete bridge over creek; in the N. end of the W. concrete bridge curb; chiseled square; painted "UE 611.7" 611.66
- 4.3 UE 15 B, 1.85 mi generally E. along gravel rd. from tablet; T. 70 N., R. 11 W.; near cor. secs. 7, 8, 17 and 18; 376.2 ft W., 10.3 ft N. and 2.8 ft lower than center of steel bridge over Des Moines River at Selma; 81.4 ft NE. and 2.5 ft higher than center of T-rd. E.; in the N. end of the W. concrete bridge abutment; chiseled square; painted "UE 613.2" 613.08
- 5.1 Selma, 0.7 mi E. and 0.1 mi N. of steel bridge over Des Moines River at; T. 70 N., R. 11 W.; near E. eighth cor. between secs. 8 and 17; 45 ft W., 11.3 ft N. and 0.6 ft lower than center of E.-W. rd. at small steel bridge over creek, in the N. end of the W. concrete bridge abutment; standard tablet stamped "16 FDR 1964 614" 613.793
painted "UE 613.9"

<u>LINE 7 (Cont'd)</u>	<u>ELDON QUAD. 28</u>	<u>Feet</u>
5.1 Reference mark, 133 ft SE. of tablet; 80.4 ft E. and 37.9 ft S. of center of small steel bridge; 0.1 ft above ground, in the N. side of a telephone pole; head of rail spike; painted "R. M. 608.6"		608.51
5.6 UE 16 A, 0.5 mi E. along gravel rd. from tablet; T. 70 N., R. 11 W.; near W. eighth cor. between secs. 9 and 16; 30.6 ft W., 16.3 ft N. and 2.4 ft lower than center of T-rd. S. leading to stone quarry, in the N. end of a 26-in. circular metal culvert; punched hole; painted "UE 658.1"		658.0
6.3 UE 16 B, 1.2 mi E. along gravel rd. from tablet; T. 70 N., R. 11 W., at cor. secs. 9, 10, 15 and 16; 22.7 ft W., 24 ft S. and 1.7 ft lower than center of E.-W. rd. at field rd. S. in top of the W. end of a 24-in. circular metal culvert; punched hole; painted "UE 670.7"		670.6
7.1 UE 16 C, 2.0 mi E. along gravel rd. from tablet; T. 70 N., R. 11 W.; near E. eighth cor. between secs. 10 and 15; 21 ft W., 23.9 ft S. and 0.3 ft higher than center of T-rd. S.; in top of the W. end of a 24-in. circular metal culvert; punched hole; painted "UE 691.9"		691.7
7.8 UE 16 D, 2.2 mi E. along gravel rd. and 0.5 mi N. along dirt rd. from tablet; T. 70 N., R. 11 W.; at quarter cor. between secs. 10 and 11, 11 ft S., 20 ft E. and 1.1 ft lower than center of N.-S. rd. at field entrance E. at offset cross field entrance, in top of the S. end of a 15-in. circular metal culvert; punched hole; painted "UE 765.9"		765.7
8.6 UE 11 C (described in Line 6)		772.4

LINE 8

EAST ALONG SOUTH BORDER THENCE NORTH (F. D. Ragan, 1964; CV 1702)

	<u>OTTUMWA SOUTH QUAD. 29</u>	
0.0 "UE 754.39" (described in Line 4)	<u>Control - 1</u>	754.39
1.0 UE 17 A, 2.75 mi W. along gravel rd. from crossroads; at Troy; T. 69 N., R. 12 W., near quarter cor. between secs. 28 and 29; 32.4 ft E., 35.2 ft N. and 1.3 ft lower than center of T-rd. N.; in top of the E. end of a 26-in. circular metal culvert; punched hole; painted "UE 818.9"		818.9
2.0 UE 17 B, 1.73 mi W. along gravel rd. from crossroads at Troy; T. 69 N., R. 12 W.; about 300 ft E. of quarter cor. between secs. 27 and 28, 24.5 ft N., 17.7 ft W.; and 2.3 ft lower than center of E.-W. rd. at private driveway N. to white house with blue roof, in top of the W. end of an 18-in. circular metal culvert; punched hole; painted "UE 804.6"		804.6
3.1 Troy, 0.66 mi W. along gravel rd. from crossroads at; T. 69 N., R. 12 W.; about 0.1 mi E. of quarter cor. between secs. 26 and 27; about 250 ft SE. of SE. corner of white two-story house with green roof; 136.5 ft SW. of center of E.-W. rd. at field entrance S.; 120 ft SE. of center of E.-W. rd. at private drive N. to residence; 39.7 ft S. and 10.4 ft lower than center of rd. at culvert; in the E. end of the S. concrete headwall of a 4 X 5 ft concrete box culvert; standard tablet stamped "17 FDR 1964 763" painted "B. M. 753.4"		763.448
3.1 Reference mark, 257.7 ft NE. of tablet; 43.3 ft N. and 8.3 ft W. of center of E.-W. rd. at field entrance N. to Pond; 27 ft SW. of pond in top of the SW. end of a 36-in. circular culvert concrete; chiseled square; painted "R. M. 777.1"		777.07
3.7 UE 17 C, 0.66 mi E. along gravel rd. from tablet; T. 69 N., R. 12 W.; near center of E sec. 26; 34.3 ft E., 39.6 ft N. and 1.1 ft higher than center of crossroads at Troy; in the E. end of the bottom one of three concrete steps leading to SW. entrance to the I.O.F.O. Lodge Bldg., chiseled square; painted "UE 802.2"		802.22

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ELDON QUADRANGLE
28-IOWA

LINE 8 (Cont'd)

CANTRIL QUAD. 7

Feet

- 4.4 UE 17 D, 1.4 mi E. along gravel rd. from tablet; 0.7 mi E. of crossroads; at Troy; T. 69 N., R. 12 W., near center of sec. 25; 203.2 ft W. and 1.0 ft lower than center of T-rd. S.; 23 ft S. and 8.7 ft E. of center of E.-W. rd. at field entrance S. and private drive N. to S.C. Rogers Residence, in top of the E. end of a 15-in. circular concrete culvert; chiseled square; painted "UE 809.5" 809.55
- 5.5 UE 17 E, 2.4 mi E. along gravel rd. from tablet; 1.7 mi E. of crossroads at Troy; T. 69 N., R. 11 W., near center of sec. 30; 135.3 ft SW. and 7.6 ft lower than center of T-rd. S.; 0.7 ft above ground, in the N. side of a 24-in. oak tree; head of rail spike; painted "UE 781.8" 781.84

ELDON QUAD 28

- 6.0 Troy, 2.2 mi E. along gravel rd. from crossroads at; T. 69 N., R. 11 W., near quarter cor. between secs. 29 and 30; 89.2 ft SE. and 2.4 ft higher than center of rd. in bend at field entrance SE.; 38.6 ft SW. of wooden gate; 8.5 ft SW. of power line pole; 2.4 ft NW. of right-of-way fence corner; in concrete post; projecting 3-in.; standard tablet stamped "18 FDR 1964 806" painted "B. M. 806.2" 806.233
- 6.0 Reference mark, 494.7 ft NE. of tablet; 19.5 ft SE. and 2.8 ft lower than center of NE.-SW. rd. at culvert; in top of the SE. end of a 24-in. circular culvert; punched hole; painted "Reference mark 799.3" 799.31
- 6.8 UE 18 A, 0.74 mi NE. along gravel rd. from tablet; T. 69 N., R. 11 W.; near center of $S\frac{1}{2}$ sec. 20; 14.1 ft NW. and 3.7 ft lower than center of rd. in bend at culvert; in top of the NW. end of a 24-in. circular metal culvert; punched hole painted "UE 778.0" 778.0
- 7.6 UE 18 B, 1.65 mi NE. along gravel rd. from tablet; T. 69 N., R. 11 W.; in NE $\frac{1}{4}$ sec. 20; 88 ft SW., 11.5 ft NW. and 2.6 ft higher than center of concrete bridge over Chequest Creek; in top of the W. concrete br. banister; chiseled square; painted "UE 668.3" 668.27
- 8.2 UE 18 C, 2.2 mi NE. along gravel rd. from tablet; T. 69 N., R. 11 W., in NW $\frac{1}{4}$ sec. 21; 16.8 ft S., 22.0 ft E. and 1.4 ft lower than center of T-rd. SW.; in top of the S. end of a 36-in. circular metal culvert; punched hole; painted "UE 680.8" 680.8
- 9.2 Reference mark, 85.3 ft W. of tablet; 17.3 ft NW. and 2.5 ft lower than center of NE.-SW. rd. at culvert in top of the NW. end of an 18-in. circular metal culvert; punched hole; painted "Reference mark 775.1" 775.13
- 9.2 Douds, 3.9 mi S. and 2.2 mi W. of concrete bridge over Des Moines River at; T. 69 N., R. 11 W., in NW $\frac{1}{4}$ sec. 16; about 0.1 mi SW. of T-rd. E.; 76.8 ft NE., 37.8 ft SE. and 2.1 ft lower than center of NE.-SW. rd. at culvert; 72.6 ft SW. of wooden gate at field entrance; 1.5 ft NW. of NE.-SW. right-of-way fence line; in concrete post projecting 1-in. standard tablet stamped "19 FDR 1964 775" painted "B. M. 775.5" 775.483
- 10.3 UE 19 A, 1.1 mi N. along gravel rd. from tablet; T. 69 N., R. 11 W.; near center of N $\frac{1}{2}$ sec. 9, 32 ft E., 30.7 ft N. and 0.1 ft higher than center of T-rd. S.; 0.1 ft above ground; in the W. side of powerline pole; head of rail spike; painted "UE 796.8" 796.80
- 11.3 UE 19 B, 1.1 mi N. and 1.0 mi W. along gravel rd. from tablet; T. 69 N., R. 11 W.; near center of N $\frac{1}{2}$ sec. 8, 36.5 ft N., 33.7 ft W. and 0.3 ft higher than center of T-rd. E.; 0.2 ft above ground, in the N. side of a powerline pole; head of rail spike; painted "UE 804.9" 804.85
- 11.8 UE 19 C, about 1.6 mi (airline) NW. of tablet; T. 69 N., R. 11 W., in SE $\frac{1}{4}$ sec. 5, 26.9 ft NE. of center of rd. at field entrance N.; 20.5 ft N. and 1.7 ft lower than center of rd. at culvert; in "S" curve; in top of the N. end of a 24-in. circular metal culvert; punched hole; painted "UE 751.0" 750.98

<u>LINE 8 (Cont'd)</u>	<u>ELDON QUAD. 28</u>	<u>Feet</u>
12.8 Douds, 2.9 mi W. and 1.6 mi S. of concrete bridge over Des Moines River at; T. 69 N., R. 11 W.; in NE. quarter sec. 5; 57 ft SW. and 2.7 ft lower than center of T-rd. E.; 14.2 ft W. of power pole; with one guy wire in concrete post; projecting 3-in.; standard tablet stamped "20 FDR 1964 749" painted "B. M. 749.3"		749.269
12.8 Reference mark, 154.5 ft NE. of tablet; 93.4 ft N. and 31.2 ft E. of center of T-rd. E.; in top of the E. end of a 24-in. circular metal culvert; punched hole; painted "Reference mark 746.1"		746.05
13.6 UE 20 A, 0.8 mi N. along gravel rd. from tablet; T. 70 N., R. 11 W.; in NE $\frac{1}{4}$ sec. 32; 94 ft E., 26.6 ft S. and 6.7 ft lower than center of T-rd. E.; in top of the S. end of an 18-in. circular metal culvert; punched hole; painted "UE 760.5"		760.5
14.3 UE 20 B, 1.6 mi N. along gravel rd. from tablet; T. 70 N., R. 11 W.; near center of E $\frac{1}{2}$ sec. 29; 43 ft W., 37.1 ft S. and 2.5 ft lower than center of crossroads; 0.2 ft above ground, in the E. side of a powerline pole; head of rail spike; painted "UE 734.0"		734.01
15.2 UE 20 C, 2.5 mi N. along gravel rd. from tablet; T. 70 N., R. 11 W., near S. eighth cor. between secs. 20 and 21; 100 ft W., 43.4 ft N. and 0.2 ft higher than center of rd. in curve at circular metal culvert; 0.2 ft above ground; in the E. side of a powerline pole; head of rail spike; painted "UE 728.6"		728.62
16.0 Selma, 1.0 mi S. and 0.9 mi E. of steel bridge over Des Moines River at; T. 70 N., R. 11 W., in NE $\frac{1}{4}$ sec. 20; 145.3 ft NW., 45.8 ft SW. and 1.4 ft higher than center of T-rd. S.; 75.9 ft NE. of NE. corner of Paul Hart Residence; 84.7 ft NW. of center of driveway; 4.0 ft SW. of powerline pole; 9 ft NW. of underground, telephone line; in NW. side of yard, in concrete post; set flush; standard tablet stamped "21 FDR 1964 606" painted "B. M. 606.3"		606.269
16.0 Reference mark, 175.8 ft E. of tablet; 44.8 ft ENE. of center of T-rd. S.; 0.8 ft above ground, in the W. side of the most southeasterly one of two 16-in. cottonwood trees on S. bank of Des Moines River; head of rail spike; painted "Reference mark 602.4"		602.37
17.0 UE 21 A, 1.0 mi SE. along gravel rd. from tablet; T. 70 N., R. 11 W.; near quarter cor. between secs. 21 and 22; 15 ft NE. and 3.7 ft lower than center of NW.-SE. rd. at culvert; at So. bank of Des Moines River; in the center of the NE. concrete headwall of 3.1 by 3.1 ft concrete box culvert; chiseled square; painted "UE 599.2"		599.18
17.7 UE 21 B, about 1.0 mi (airline) E. of tablet; T. 70 N., R. 11 W.; in SW $\frac{1}{4}$ sec. 15; 62.7 ft E., 39.4 ft S. and 2.6 ft lower than center of crossroads; (State Hwy 16 and gravel rd.) in top of the S. end of a 36-in. concrete circular culvert; chiseled square painted "UE 611.4"		611.39
18.4 UE 21 C, 1.8 mi (airline) E. of tablet; T. 70 N., R. 11 W., near E. eighth cor. between secs. 15 and 22; 52.7 ft S., 44.5 ft W. and 5.0 ft lower than center of crossroads; (State Hwy. 16 and gravel rds.), in top of the S. end of a 24-in. concrete circular culvert; chiseled square; painted "UE 639.0"		638.98
19.4 UE 16 C (described in Line 7)		691.7

LINE 9

SHORT LINE EAST IN NORTHEAST CORNER (F. D. Ragan, 1964; CV 1702) ELDON QUAD 28

0.0 Batavia at; on the C.B. & Q. RR., 60 ft N. of the station at the SE. corner of the city square, 3 ft N. of the corner post, and 4-in. E. of the concrete curb; a USCGS standard disk stamped "F 124 1935" and set in top of a concrete post flush with ground	731.573
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 ELDON QUADRANGLE
 28-IOWA

<u>LINE 9 (Cont'd)</u>	<u>ELDON QUAD. 28</u>	<u>Feet</u>
0.5 UE F 124 A, 0.5 mi E. along C.B. & Q. RR. from tablet; at Batavia; T. 72 N., R. 11 W.; in the SW $\frac{1}{4}$ sec. 32; 68 ft E., 9.5 ft S. and 1.1 ft lower than center of grade crossing at most southern one of two tracks, in the NW. corner of 2.6 X 2.6 ft concrete base of signal tower, S. 265.8; chiseled square; painted "UE 731.9"		731.86
1.5 USC&GS "G 124 1935" (described in Line 6)		725.999

LINE 10

A LINE WEST ALONG EAST PORTION OF SOUTH BORDER (F. D. Ragan, 1964; CV 1702)

<u>LINE 10</u>	<u>MOUNT ZION QUAD. 27</u>	<u>Feet</u>
0.0 "UE 6 A" (described in Line 5)		642.50
	<u>ELDON QUAD 28</u>	
1.1 UE 6 B, 0.7 mi S. and 1 mi W. along gravel rd. from tablet; T. 69 N., R. 10 W., near center of sec. 21; 80 ft N., and 13.6 ft W. and 1.9 ft higher than center of concrete bridge over Chequest Creek, in the N. end of the E. concrete bridge banister; chiseled square; painted "UE 613.0"		613.02
1.6 UE 6 C, about 1.5 mi (airline) SW. of tablet; T. 69 N., R. 10 W., at quarter cor. between secs. 21 and 28; 56.5 ft W., 16.8 ft N. and 2.7 ft lower than center of T-rd. N.; 0.3 ft above ground, in the NNW. side of a 39-in. forked elm tree; head of rail spike; painted "UE 662.1"		662.10
2.8 Reference mark, 210.2 ft S. of tablet; 150 ft E. and 21.2 ft N. of center of T-rd. E., 4.5 ft S. of E.-W. right-of-way fence line; 1.0 ft above ground, in the NE. side of 8-in. elm tree; head of rail spike; painted "R. M. 745.1"		745.11
2.8 Douds, 5.6 mi S. and 2.9 mi E. of concrete bridge over Des Moines River at; T. 69 N., R. 10 W.; about 500 ft S. of quarter cor. between secs. 20 and 29; 193.3 ft N., 65.4 ft E. and 8.8 ft higher than center of T-rd. E.; 18.8 ft SE. of hickory tree; 2.8 ft W. of N.-S. right-of-way fence line; in concrete post projecting 5-in.; standard tablet stamped "22 FDR 1964 753" painted "B. M. 752.6"		752.622
3.5 UE 22 A, 0.7 mi NW. along gravel rd. from tablet; T. 69 N., R. 10 W.; in SW $\frac{1}{4}$ sec. 20; 22.5 ft SE., 11.4 ft SW. and 0.7 ft higher than center of NW.-SE. rd. at concrete bridge over creek; in the SE. end of the SW. concrete bridge curb; chiseled square; painted "UE 637.1"		637.12
4.1 UE 22 B, 1.35 mi NW. along gravel rd. from tablet; T. 69 N., R. 10 W.; near center of sec. 19; about 430 ft W. of dim T-rd. N.; 63.7 ft W., 37.2 ft S. and 4.3 ft lower than center of E.-W. rd. at field rd. NW.; 54.2 ft W. of NW. corner of abandoned farmhouse, 1.1 ft above ground, in the NE. side of a 17-in. elm tree; head of rail spike; painted "UE 688.9"		688.92
5.1 UE 22 C, 2.4 mi WNW. along gravel rd. from tablet; T. 69 N., R. 11 W., about 0.2 mi S. of center of sec. 24; 27.4 ft NNW. and 2.4 ft lower than center of T-rd. S.; 14 ft NE. of center of field entrance, in top of the NE. end of a 15-in. circular metal culvert; punched hole; painted "UE 776.0"		776.0
6.0 Reference mark, 220.5 ft E. of tablet; 101.5 ft E. and 56 ft N. of center of T-rd. E.; 3.7 ft N. of E.-W. right-of-way fence line; 0.2 ft above ground, in the N. side of a power line pole; head of rail spike; painted "R. M. 745.2"		745.15
6.0 Douds, 5.3 mi S. and 0.1 mi E. of concrete bridge over Des Moines River at; T. 69 N., R. 11 W., in SE $\frac{1}{4}$ sec. 23; 95.1 ft NW., 77.6 ft SW. and 4.9 ft lower than center of T-rd. E.; 43.7 ft W. of SE. fence corner; 1.0 ft N. of E.-W. property line fence; on land owned by Charlie Witt; in concrete post; projecting 1-in.; standard tablet stamped "23 FDR 1964 747" painted "B. M. 746.5"		746.472

<u>LINE 10 (Cont'd)</u>	<u>ELDON QUAD 28</u>	<u>Feet</u>
7.2 UE 23 A, about 0.7 mi (airline) SW. of tablet; T. 69 N., R. 11 W., at cor. secs. 22, 23, 26 and 27, 48.6 ft NE., 19.6 ft SE. and 0.1 ft higher than center of T-rd. NE.; in top of the SE. end of 15-in. circular metal culvert; punched hole; painted "UE 664.3"		664.3
8.0 Reference mark, 472.3 ft S. of tablet; 53.5 ft E., 17.3 ft S. and 1.5 ft lower than center of T-rd. SE.; in the center of S. concrete headwall of 6 X 6.5 ft box culvert; chiseled square; painted "Reference mark 646.6"		646.59
8.0 Douds, 5.3 mi S. and 1.3 mi W. of concrete bridge over Des Moines River at; T. 69 N., R. 11 W., in SW $\frac{1}{4}$ sec. 22, 454 ft N. of T-rd. SE.; 71 ft N., 11.8 ft W. and 2.2 ft higher than center of concrete bridge over Chequest Creek; in top of the N. end of the W. concrete bridge banister; standard tablet stamped "24 FDR 1964 655" painted "655.9"		655.231
8.6 UE 24 A, 0.5 mi N. and W. along gravel rd. from tablet; T. 69 N., R. 11 W., at quarter cor. between secs. 21 and 22; 90.5 ft NE. and 1.6 ft lower than center of T-rd. N.; 0.1 ft above ground; in the N. side of power line pole; head of rail spike; painted "UE 666.0"		665.96
9.6 "UE 18 C" (described in Line 8)		680.8