

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

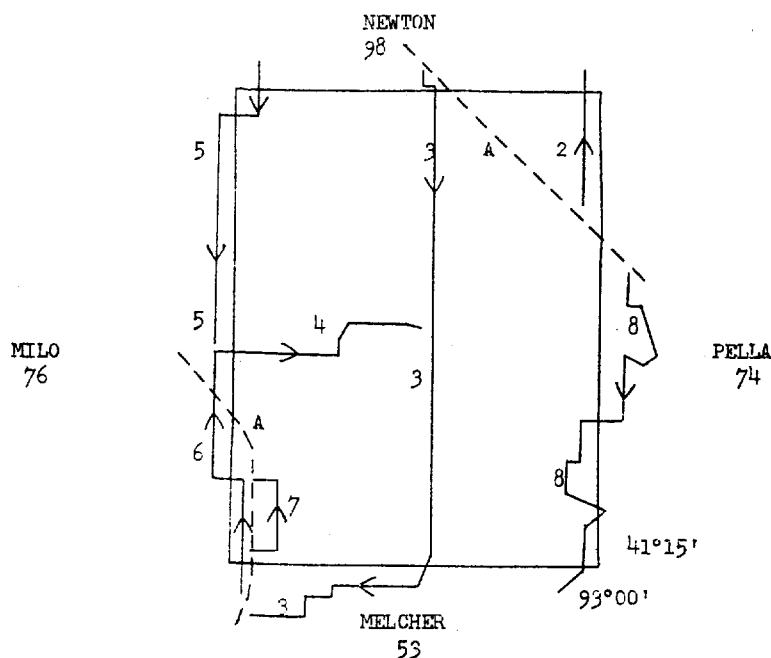
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

KNOXVILLE QUADRANGLE
75 - IOWA
N4115-W9300/15
DIAGRAM NK 15-8
DES MOINES, IOWA

Marion County

Edition of 1/27/65

PR: ADP:vdc



USC&GS LEVELING
A. No. 410932

LINE 1

Feet

ISOLATED BENCH MARKS NOT SHOWN ON DIAGRAM

Pleasantville, 0.75 mi SE. of; 230 ft NW. of rd. crossing, in top of E. end of RR. culvert
aluminum tablet stamped "P T S 3 882 AJW"

880.51 *ELEV?*

T. 76 N., R. 20 W., center of sec. 18, N. of E.-W. rd., 25 ft W. of corner fence post, 1 ft
S. of fence; iron post stamped "913 Iowa" (not found 9/64 WRB)

911.94

T. 76 N., R. 20 W., SW. cor. sec. 15, 28 ft N. and E. of center of crossroads; 3 ft W. of
fence, 10 ft N. of corner fence post; iron post stamped "781 Iowa" (destroyed
8/64 JHB)

780.04

T. 76 N., R. 20 W., 0.25 mi W. of NE. cor. sec. 24, 130 ft S. of center of crossroads,
40 ft S. of small wooden culvert; in angle of rail fence; iron post "819 IOWA"

817.38

T. 76 N., R. 19 W., SE. cor. sec. 20, near Mount Vernon Chapel, in front yard of J.J. Woody,
SE. of house and just inside fence along N. side of rd.; iron post stamped "864
Iowa" (not found WRB 9/64)

862.94

T. 75 N., R. 19 W., NE. cor. sec. 3, 18 ft E. of center of N.-S. rd., in angle of fence;
iron post stamped "849 Iowa" (not found 9/64 WRB)

847.67

T. 75 N., R. 19 W., center of sec. 15, 55 ft E. of center of crossroads; 2 ft S. of fence
iron post stamped "854 Iowa" (not found 9/64 WRB)

852.45

T. 75 N., R. 19 W., 0.5 mi N. of SE. cor. sec. 27, S. and 55 ft W. of center of crossroads,
3 ft N. of fence; iron post stamped "888 Iowa" (not found 9/64 WRB)

886.62

75 D

2
KNOXVILLE QUADRANGLE
75 - IOWA

<u>LINE 1 (Cont'd)</u>	<u>Feet</u>
T. 76 N., R. 19 W., cor. secs. 14, 15, 22 and 23; 3.0 mi W. by 0.33 mi N. of Howell station, in NW. cor. sec. 23, in Coalridge Church yard, 25 ft E. and 25 ft S. of center of crossroads iron post stamped "P T S 3 1908 Iowa" (not found 8/64 WRB)	822.99
T. 75 N., R. 21 W., 0.25 mi N. of SW. cor. sec. 23, at T-rd. on E. side of N.-S. rd., 1 ft W. of fence, 10 ft N. of corner fence post; iron post stamped "912 Iowa"	910.85
Percy, 0.5 mi S. and 1.3 mi E. of; in NE. cor. sec. 13, T. 77 N., R. 21 W., 54 ft S. of and 17 ft W. of center of T-rd. S.; projecting about 3 in. above ground, brass cap in iron post stamped "825 Iowa"	823.50
T. 77 N., R. 20 W., 0.5 mi E. of SW. cor. sec. 9; 15 ft W. and 50 ft N. of center of crossroads; 3 ft E. of fence; iron post stamped "824 Iowa" (not found 9/64 WRB)	822.46
T. 77 N., R. 20 W., 0.5 mi E. of SW. cor. sec. 12, 30 ft S. and 85 ft W. of center of crossroads, 4 ft N. of fence; iron post stamped "837 Iowa" (not found 8/64 WRB)	835.58
T. 77 N., R. 19 W., 0.5 mi S. of NW. cor. sec. 9, at T-rd. corner, E. of N.-S. rd., near residence of Arie Vriezelaar, in line with center of E.-W. rd., 3 ft W. of fence; iron post stamped "905 Iowa"	903.86
Otley, S. side of main street, T. 77 N., R. 19 W., 0.38 mi W. of NE. cor. sec. 22, at T-rd. near W. edge of village, 15 ft N. of fence line, 425 ft W. of RR.; iron post stamped "884 Iowa" (not found probably destroyed 7/64 JHG)	882.784
T. 77 N., R. 19 W., 0.25 mi N. of SW. cor. sec. 25, S. of Pella-Otley Rd., 24 ft E. and 20 ft S. of center of crossroads; 2 ft N. of fence; iron post stamped "885 Iowa"	881.81
T. 76 N., R. 19 W., SE. cor. sec. 2, W. and 85 ft N. of center of crossroad; 18 ft W. of center of rd. way, 30 ft E. of bank of small creek; iron post stamped "749 Iowa"	748.00
Rosseau, 0.38 mi N and 0.06 mi W. of SW. cor. sec. 9, T. 76 N., R. 19 W., E. of N.-S. rd., 85 ft S. of residence of J.P. Amos; iron post stamped "763 Iowa"	761.21

LINE 2

NORTH IN NORTHEAST CORNER (C.H. Baker, 1964; CV 1704)

KNOXVILLE QUAD. - 75

1 1 0.0 Otley, about 1.9 mi SE. along the Chicago, Rock Island and Pacific RR. from the station at; 61 ft E. of State Hwy. 163 at station 311; 44 ft SW. of center of track and 22 ft SW. of a pole; a USC&GS standard disk stamped "E 5 1930" set in top of concrete post	887.833
0.5 UE, N. rail at center of rd., T. 77 N., R. 18 W., near cor. secs. 25, 26, 35 and 36; N. rail of track at center of N.-S. rd.	886.2
2 1.3 UE, Otley, 1.5 mi E. and 1.0 mi S. of; T. 77 N., R. 19 W., near cor. secs. 23, 24, 25 and 26, 25 ft E. and 16 ft S. of T-rd. E. and 1.5 ft lower than T-rd. E.; painted square on S. end of corrugated pipe culvert	869.9
3 2.3 UE, T. 77 N., R. 19 W., near cor. secs. 13, 14, 23 and 24; 100 ft W. and 20 ft S. and 5.3 ft lower than center of crossroads; chiseled square in SE. corner of headwall of culvert	836.98
4 3.0 Reference mark, spike in pole about 200 ft SW. of tablet	899.28
3.0 Otley, 1.0 mi N. and 1.5 mi E. of; T. 77 N., R. 19 W., near quarter cor. between secs. 13 and 14; 300 ft S. of drive W.; 25 ft E. of center of rd.; 1 ft W. of fence flush with ground and level with rd., standard tablet set in top of concrete post stamped "51 HB 1964 ET"	899.886

LINE 2 (Cont'd)

KNOXVILLE QUAD. - 75

Feet

- 1 6 3.8 USC&GS and State Survey marker "115" tablet is set in top of concrete post; 3 ft W. of fence; 18 ft N. of power pole; 48 ft N. of center of rd. at drive E.; (reported moved by local farmers) elev. by U.S.G.S.) 867.169
- 7 4.2 UE, NE. headwall of bridge; T. 77 N., R. 19 W., about 0.25 mi S. of cor. secs. 1, 2, 11 and 12; chiseled square on NE. corner of headwall of bridge over Van Zante Creek 763.75
- 4.7 Otley, 2.5 mi N. and 1.5 mi E. of; Tp. 77 N., R. 19 W., near NE. cor. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2, 32 ft W. of center of N.-S. rd. at drive W.; 9 ft S. at N.-S. fence; 2 ft NE of telephone pole; a standard tablet stamped "ET 7 DB 1964" set in concrete post 762.856 ⁷⁶⁶

NEWTON QUAD. - 98

- 8 5.4 T-rd. S.; N. of; iron post stamped "P T S 4 1908 Iowa" T. 77 and 78 N., R. 19 W., near cor. secs. 1, 2, 35 and 36 766.837
- 10 6.2 UE, chiseled square on SE. headwall of culvert; T. 78 N., R. 19 W., near center of sec. 35, 30 ft E. and 2.2 ft below center of rd., chiseled square on SE. headwall of concrete culvert; (dr. 2.6 ft below UE) 806.14

LINE 3

SOUTH THRU CENTER OF QUAD. THENCE WEST (J.H. Betz, 1964; CV 1706) NEWTON QUAD. - 98

- 2 3 0.0 USC&GS "C 5 1930" Monroe at; about 125 yards NW. along track from G. R.I. & P. RR. station; 58 ft NW. along track and 39.5 ft W., 45.5 ft N. and 173 ft W. of intersection of Marion and Jasper Streets, and 4 ft NE. of pole; a USC&GS standard disk stamped "C 5 1930" set in top of concrete post 920.064
- 0.8 UE C 5 A, 0.8 mi S. of disk; 33 ft S. and 33 ft W. of center of T-rd. W.; a copper rivet and washer on the top center of a concrete culvert headwall stamped "IHC B.M." 914.97

KNOXVILLE QUAD. - 75

- 4 1.9 UE C 5 B, about 2.0 mi S. from tablet; 25 ft W. of center of Hwy. 14; a chiseled square in the top center of 12 x 12 box culvert under State Hwy. 14; 12.1 ft lower than rd. opposite; (water 12 ft lower) 823.60
- 2.5 UE C 5 C, chiseled square center of Hwy. 14 at crossroad, T. 77 N. R. 19 & 20 W. 876.26
- 6 3.0 Monroe, 3.0 mi S. of; Tps. 77 N., Rs. 19 and 20 W., cor. secs. 7, 12, 13 and 18; 216 ft S. and 70 ft W. of T-rd. W.; 1 ft E. of fence; a standard tablet stamped "9 JHB 1964" and set in top of concrete post 896.106
- 7 3.1 Reference mark, center of State Hwy. 14; 216 ft N. and 70 ft E. of tablet; a chiseled square 899.97
- 8 4.3 UE 9 JHB A, Tp. 77 N., R. 19 and 20 W., about 1.25 mi S. of tablet; 0.25 mi S. of cor. secs. 13, 18, 19 and 24; 68 ft S. and 61 ft W. of crossroad; a RR. spike set in E. side of a wooden corner post 868.39
- 9 5.0 UE 9 JHB B, Tp. 77 N., R. 19 and 20 W.; 2.0 mi S. of tablet; cor. secs. 19, 24, 25 and 30; 195 ft N. and 30 ft W. of crossroad; a copper rivet and washer stamped I.H.C. B.M. on top of center culvert headwall; 3.2 ft lower than Hwy. opposite elev. by U.S.G.S. 840.86
- 10 5.9 Reference mark, 322 ft N. and 90 ft E. of tablet; on top of culvert headwall; 35 ft W. of center of Hwy. a copper rivet and washer stamped "IHC B.M." 840.86
- 5.9 Monroe, 5.9 mi S. of; Tp. 77 N., Rs. 19 and 20 W., approx. 0.85 mi S. of cor. secs. 19, 24, 25 and 30; on a high cut overlooking Des Moines River; 90 ft W. of center of Hwy. 14; 8 ft S. of a fence corner; and 2 ft E. of fence on Hwy. right-of-way; a standard tablet set in top of concrete post and 2 ft E. of metal witness post stamped "10 JHB 1964" 850.157

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KNOXVILLE QUADRANGLE
75 - IOWA

LINE 3 (Cont'd)	KNOXVILLE QUAD. - 75	Feet
2 11 6.9 UE 10 JHB A, Tp. 77 N., R. 20 W., 1.0 mi S. of tablet; approx. 0.25 mi N. and 0.25 mi W. of cor. secs. 1, 6, 31 and 36; about 1800 ft S. of RR. tracks; at a Rd. crossing; 30 ft N. and 40 ft W. of; a copper rivet and washer; stamped I H C B.M. (elev. by U.S.G.S.)		729.65
12 7.8 UE, 10 JHB B, T. 76 N., R. 20 W., 1.9 mi S. of tablet; in W. curbing of S. end of bridge over the Des Moines River; a chiseled square		737.17
13 8.7 Reference mark, 322 ft S. and 74 ft E. of tablet; a chiseled square center of State Hwy. 14; at the intersection of drive to E.		768.48
14 8.8 Knoxville, 5.5 mi N. of; along State Hwy. 14; Tp. 76 N., R. 20 W., in Sec. 12; set on a cut above Hwy. 322 ft S. and 74 ft W. of drive to house on E.; post is set 2 ft E. of fence and projects 0.2 ft; 7.7 ft higher than rd. opposite; a standard tablet stamped "11 JHB 1964 set in top of a concrete post; 2.6 ft E. of a metal witness post		781.049
15 9.8 UE 11 JHB A, T. 76 N., R. 20 W., 1.06 mi S. of tablet; in sec. 13; 308 ft N. and 31 ft E. of center of drive E.; a chiseled square in E. end of concrete culvert		834.44
10.1 Knoxville, 4.0 mi N. of; on State Hwy. 14; T. 76 N., R. 20 W., near NW. cor. of SW 1/4 sec. 13, 292.2 ft N. of E.-W. fence; 207.7 ft E. of center of Hwy. 14; 3 ft N. and 1 ft W. of SW. leg of HI-VU Drive In Theatre Screen, a standard tablet stamped "ET 10 JHB 1964" set in concrete post flush with ground		878.448
17 10.8 UE 11 JHB B, T. 76 N., R. 20 W., 2.0 mi S. of tablet; on top center of 12 x 14 ft box culvert under Hwy. 14; 96 ft N. and 20 ft W. of P.I. of "Y" rd. W.; a chiseled square		740.82
18 11.7 Knoxville; 2.5 mi N. of; Tp. 76 N., R. 20 W., in sec. 25, on a high cut; on the E. side of State Hwy. 14; 265 ft N. and 2 ft W. of fence corner; 78 ft E. of center of Hwy.; 2 ft W. of a metal witness post; a standard tablet stamped "12 JHB 1964" set in top of concrete post; that projects 0.2 ft.		879.823
19 11.8 Reference mark, 265 ft S. and 2 ft E. of tablet; set in W. side of a wooden corner post; a RR. spike		875.40
20 12.3 UE 12 JHB A, 0.5 mi S. of tablet; 45 ft S. and 24 ft W. of T-rd. E.; a copper rivet and washer stamped "I H C B.M." in the top center of culvert headwall under State Hwy. 14 (elev. by U.S.G.S.)		808.09
21 13.9 UE 12 JHB B, 1.0 mi S. of tablet; 23 ft E. of center of hwy. a copper rivet and washer stamped "I H C B.M." on top center culvert headwall; 1.2 ft lower than center of Hwy. (elev. by U.S.G.S.)		867.01
22 13.9 US&GS and State Survey disk "34" Knoxville at; 179 ft N. and 25 ft E. of C.B. & Q. RR. main line track; on Hwy. 14; 10 ft N. and 5 ft E. of a power pole; set flush with ground; in "DX" station driveway; tablet is set in the top of a concrete post; (elev. by U.S.G.S.)		913.502
24 14.0 Reference mark, set at the Marion County Fairgrounds; in the W. side of 36-in. maple tree; 92 ft N. and 226 ft W. of tablet; 45 ft N. and 146 ft W. of SE. corner of fair ground		917.64
25 15.0 UE 34 A, 1.0 mi S. of tablet; 560 ft S. and 23 ft W. of junction of S. Lincoln St. (Hwy. 14) and Jennings St. (T-rd. E.; a chiseled square; on top center culvert headwall)		886.32
26 15.8 Reference mark, 12 ft N. and 77 ft E. of tablet; 26 ft W. of center of Hwy. 14; a copper rivet and washer stamped "I H C B.M. on top center of concrete culvert headwall		920.77

LINE 3 (Cont'd)

KNOXVILLE QUAD. - 75

Feet

- 2 26 15.8 Knoxville, 1.8 mi S. of; at the Knoxville Mui. Airport; T. 75 N., R. 20 W., 3 ft N. and 26 ft E. of NW. corner of row of hangars; a standard tablet stamped "13 JHB 1964" and set flush with ground, in concrete post; 3.2 ft N. of metal witness post 921.078
- 28 16.9 UE JHB 13 A, 1.1 mi S. of tablet; at bridge over English Creek; a chiseled square on the NW. curbing of bridge; 782.31
- 29 17.9 UE 13 JHB B, 2.1 mi S. of tablet; at curbing spillway on the W. side of Hwy. 14; about 630 ft S. of entrance to Road Side Park; a chiseled square in end of curbing on spillway chute 927.18
- MELCHER QUAD. - 53
- 30 19.1 Reference mark, 458 ft NE. of tablet; a chiseled square on NW. end of spillway curbing over box culvert 939.13
- 19.1 Knoxville; approx. 5.0 mi S. of; along State Hwy. 14; Tp. 75 N., R. 20 W., at approx. quarter cor. between secs. 35 and 36; at Trd. W.; 15 ft N. and 66 ft W. of P.I. 6f Y-rd. and Hwy., 7 ft S. W. of a pole; and 1.5 ft SE. of a fence a standard tablet stamped "14 JHB 1964" 0.2 ft lower than Y-rd.; 1.9 ft SE. of metal witness post; set in top of a concrete post 946.272
- 31 19.8 UE 14 JHB A, 0.7 mi S. of tablet; at intersection of Hwy. with E.-W. Co. rd., 26 ft N. and 90 ft W. of Rd. crossing; a chiseled square; on N. end of 18-in. metal culvert; 5 ft lower than rd. intersection 936.75
- 32 20.4 UE 14 JHB B, Tp. 75 N., R. 20 W., 0.7 mi S. and 0.6 mi W. of tablet; 0.25 mi W. of cor. secs. 2, 3, 34 and 35; 20 ft S. and 33 ft W. of T-rd. N.; a chiseled square on the S. end of a 54-in. metal culvert; 4.8 ft below T-rd. N. 900.61
- 33 21.1 UE 14 JHB C, 0.7 mi S. and 1.3 mi W. of tablet; a chiseled square in center of concrete bridge over Tracy Creek 804.28
- 34 21.9 Reference mark, 65 ft N. of tablet; 30 ft N. and 41 ft E. of Trd. N.; a RR. spike in wooden corner post 900.01
- 21.9 Knoxville; 5.0 mi S. and 3.0 mi W. of; Tps. 74 and 75 N., R. 20 W., about 0.25 mi E. of cor. secs. 4, 5, 32 and 33; at T-rd. N.; in front yard of property owned by Mrs. Worth Kenney; 36 ft S. and 36 ft E. of T-rd. N.; 16 ft E. and 6 ft N. of 36-in. maple tree; 32 ft N. and 25 ft W. of NW. corner of house; a standard tablet stamped "15 JHB 1964" and set in top of concrete post 901.479
- 35 23.1 UE 15 JHB A, 1.2 mi W. of tablet; 23 ft S. and 34 ft W. of center of crossroad a chiseled square on S. end of 30-in. concrete culvert 922.59
- 36 23.8 UE 15 JHB B, Tp. 74 and 75 N., R. 20 W., 1.9 mi W. of tablet; 0.25 mi E. of cor. sec. 6; 181 ft E. of corner (Rd. turns S.) and 24 ft N. of center of rd.; a chiseled square on W. end of concrete culvert; under field rd. to N. 927.16
- 37 25.0 UE 15 JHB C, 2.2 mi W. and 1.0 mi S. of tablet; 37 ft N. and 31 ft W. of center of T-rd. N.; a RR. spike in wooden fence post 940.21
- 38 26.0 UE 15 JHB D, T. 74 N., R. 21 W., 3.2 mi W. and 1.0 mi S. of tablet; cor. secs. 1, 2, 11 and 12; 33 ft S. and 26 ft W. of crossroad; a RR. spike in power pole 938.94
- 39 27.2 Melcher at; on the C. R. I. & P. RR.; 200 ft N. of station, at a rd. crossing; 36 ft N. of center of rd., 18 ft W. of center of W. track; and 8 ft N. of a sidewalk a standard disk stamped "K 113 1935" and set in top of concrete post USC&GS disk 950.028

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KNOXVILLE QUADRANGLE
75 - IOWA

LINE 4

Feet

EAST FROM CENTER OF WEST BORDER (J.H. Betz, 1964; CV 1706) MILO QUAD. - 76

- 2 49 9.5 Pleasantville, 0.75 mi SE. of; 230 ft NW. of rd. crossing on top of E. end of RR. culvert; aluminum tablet stamped "P T S 3 882 ADJ" 878.863
- 50 9.7 UE 3 A, 0.25 mi N. of tablet; a copper nail and washer in center of crossroads 919.57
- 51 10.7 UE 3 B, 0.25 mi N. and 1.0 mi E. of tablet; 22 ft N. and 34 ft E. of T-rd. N.; a chiseled square on N. end of 30-in. concrete culvert; 3.4 ft lower than T-rd. N. 920.55

KNOXVILLE QUAD. - 75

- 52 11.9 UE 3 C, about 0.25 mi N. and 2.0 mi E. of tablet; a chiseled square on N. end of 30-in. concrete culvert; 27 ft N. of Hwy. and 5.5 ft lower than center of Hwy. 907.90
- 53 12.8 UE 3 D, about 0.25 mi N. and 3.1 mi E. of tablet; 40 ft S. and 36 ft W. of Trd. S.; a RR. spike in fence corner post; 3.5 ft lower than center of T-rd. S. 904.61
- 54 13.2 Reference mark, 430 ft S. of tablet; a chiseled square on S. end of a 30-in. concrete culvert; 25 ft S. of center of Hwy. and 5.4 ft lower than center of Hwy. opposite 896.43
- 13.2 Pleasantville; 4.0 mi E. of along Co. Hwy. "U" Tp. 76 N., R. 20 W., in Sec. 17, about 0.5 mi S. and 0.25 mi W. of NE. corner; 500 ft W. of intersection of Co. Hwy. "U" and E.-W. Co. rd., 11 ft E. and 3 ft S. of center of gate to field on N.; 37 ft N. of center of Hwy.; 3 ft N. of a metal witness post; a standard tablet stamped "17 JHB 1964" and set in concrete post 904.396
- 55 14.0 UE 17 JHB A, 0.8 mi NE. along Co. Hwy. "U" from tablet; 23 ft N. of rd.; a chiseled square on N. end of 30-in. concrete culvert; 5.4 ft lower than rd. opposite 876.36
- 56 15.2 UE 17 JHB B, T. 76 N., R. 20 W., 2.0 mi N. and E. of tablet; 344 ft W. of quarter cor. between secs. 9 and 10; a chiseled square on N. end of 30-in. concrete culvert; 8.7 ft lower than rd. opposite; 34 ft N. of center of rd. 828.27
- 57 15.7 Reference mark, 2 ft S. and 75 ft W. of tablet; a chiseled square on front step of bldg. 850.96
- 15.7 Pleasantville, 6.0 mi E. and 1.0 mi N. of; Tp. 76 N., R. 20 W., approx. 50 ft N. and 452 ft W. of center of sec. 10 (Trd. N.) set in yard of Union Twp. Community Hall; 12 ft S. and 61 ft E. of SE. corner of bldg., 12 ft W. of a fence, 8 ft NW. of a pole; 5.5 ft higher than center of rd. opposite a standard tablet stamped "18 JHB 1964" and set in top of a concrete post 850.509
- 58 16.3 UE 18 JHB A, 0.6 mi E. of tablet; at a T-rd. N.; a chiseled square; center of T-rd. N.; Tps 76 N., R. 20 W., at approx. quarter cor. between sec. 10 and 11 811.76
- 59 17.3 UE 18 JHB B, about 1.6 mi E. of tablet; 24 ft S. and 48 ft W. of T-rd. W.; a chiseled square on top of round concrete culvert 805.88
- 61 18.5 UE "11 JHB A" (described in Line 3) 834.44

LINE 5

SOUTH ALONG WEST BORDER (J.H. Betz, 1964; CV 1706) NEWTON QUAD. - 98

- 3 15 6.9 Reference mark, T. 77 N., R. 21 W., quarter cor. between secs. 1 and 2; S. and W. of crossroads; a chiseled square on bottom step of front steps of Pleasant Hill Methodist Church 871.92

LINE 5 (Cont'd)

NEWTON QUAD. - 98

Feet

- 3 15 6.9 Prairie City, 6.0 mi S. of; T. 77 N., R. 21 W., approx. quarter cor. secs. 1 and 2; 258 ft S. and 37.3 ft E. of crossroad; on a cut; 1.7 ft W. of N.-S. fence and 1.7 ft W. of metal witness post in fence line; a standard tablet stamped "20 JHB 1964" and set in top of concrete post; 12.5 ft higher than crossroad 880.598
- 17 8.0 UE 20 JHB A, 1.1 mi S. of tablet; a chiseled square on SE. curbing of small bridge 756.09

KNOXVILLE QUAD. - 75

- 18 8.6 USC&GS and State Survey "240" T. 77 N., R. 21 W., approx. center of sec. 11; in front yard of property owned by Mr. Harry Town, in 1964; 43 ft S. and 6 ft E. of SE. corner of house; 18 ft W. of black locust tree; and set in top of concrete post and stamped "240 IOWA" (This B.M. will be covered by the flood pool of the Red Rock dam) (reservoir 725; flood pool 780) elev. by U.S.G.S. 762.931
- 19 8.7 UE 240 A, 0.15 mi W. of tablet; at T-rd. S.; leading to Percy, 32 ft N. and same elev as E.-W. of T-rd. S.; a RR. spike in wood fence post 751.12

MILO QUAD. - 76

- 20 9.8 Percy, 0.5 mi N. and 1.0 mi W. of; T. 77 N., R. 21 W., approx. center of sec. 10, 545 ft E. and 26 ft N. along rd. from center of Wabash RR. tracks; 26 ft N. of center of rd., 1.4 ft N. of right-of-way fence; 24 ft E. of 30-in. cottonwood tree; 1.4 ft N. of metal witness tag; 1.7 ft higher than rd. opposite; a standard tablet stamped "21 JHB 1964" set in top of concrete post; (This B.M. will be destroyed by the flood control pool of Red Rock Dam, flood pool 780, reservoir 725) 762.870
- 9.8 Referencemark, 24 ft W. of tablet; a RR. spike in E. side of 30-in. cottonwood tree 765.25
- 21 10.3 UE 21 JHB A, about 0.5 mi W. of tablet; a chiseled square on NW. wingwall of bridge over Des Moines River 753.71
- 22 11.5 UE 21 JHB B, 0.5 mi W. and 1.1 mi S. along rd. from tablet; at an abandoned farmhouse; a chiseled square on sidewalk in front of house 745.66
- 23 12.5 UE 21 JHB C, T. 77 N., R. 21 W., 0.5 mi W. and 2.0 mi S. of tablet; approx. cor. secs. 16, 15, 21 and 22; a chiseled square on NW. curbing of small bridge over Sugar Creek; (water 9 ft lower than UE) 745.45
- 24 13.0 UE 21 JHB D, 0.5 mi W. and 2.5 mi S. of tablet; a chiseled square on NE. curbing of small bridge; (Water 16 ft lower than UE) 762.90
- 25 13.6 Pleasantville, 3.5 mi N. of; Tp. 77 N., R. 21 W., approx. quarter cor. between secs. 27 and 28, 560 ft S. of drive W.; 37 ft W. of center of rd., set on top of cut; 1.3 ft E. of right-of-way fence and 1.3 ft E. of a metal witness sign; 5.3 ft higher than rd. opposite; a standard tablet set in top of concrete post; stamped "22 JHB 1964" 893.413
- 26 13.6 Reference mark, 48 ft S. of tablet; a RR. spike set in N. side of power pole 891.61
- 28 14.6 UE 22 JHB A, 1.0 mi S. of tablet; a chiseled square on W. end of 24-in. metal culvert; 22 ft W. of center of rd. opposite; 3.6 ft lower than rd. opposite 890.59
- 29 15.6 UE 22 JHB B, 2.0 mi S. of tablet; 15 ft E. of center of rd. on top of concrete culvert headwall; a chiseled square; 1.3 ft lower than center of rd. opposite 913.30
- 30 16.7 Pleasantville, 1.0 mi N. of; Tp. 76 N., R. 21 W., approx. quarter cor. between secs. 9 and 10, tablet is set in front yard of property owned by Arle De Jood in 1964; 19 ft S. and 76 ft W. of SW. corner of house; 35 ft N. and 33 ft E. of center of drive to house; a standard tablet stamped "23 JHB 1964" and set in top of a concrete post; 1.5 ft higher than rd. opposite 924.594

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KNOXVILLE QUADRANGLE
75 - IOWA

<u>LINE 5 (Cont'd)</u>	<u>MILO QUAD. - 76</u>	<u>Feet</u>
3 31 16.7 Reference mark, 440 ft S. of tablet; a chiseled square on E. end of 18-in. culvert		913.20
32 17.8 UE 23 JH B A, in Pleasantville, at junction of Co. Hwy. "U" (Stringtown Rd.) and State Hwy. 60; a copper nail and washer; center of hwy.		923.47
33 18.3 "UE Sta 3 A" (described in Line 4)		919.57

LINE 6

<u>NORTH ALONG SOUTH HALF OF WEST BORDER (J.P. Ryan, 1964; CV 1730)</u>	<u>MELCHER QUAD. - 53</u>	
2 2 0.0 USC&GS "K 113 1935" (described in Line 3)		950.028
0.1 UE K 113 A, center of crossroads; at Melcher, 1 block W. of RR. station at junction with State Hwy. 181		950.6
0.8 UE K 113 B, Dallas, 61 ft N. and 28 ft E. of junction of State Hwy. 181 and T-rd. E.; about 250 ft NW. of a wood bridge over the RR. tracks; a RR. spike in E. side of power pole; about 1.4 ft below center of T-rd. E.		947.99
3 1.3 UE K 113 C, Dallas, 0.8 mi N. of; painted square on S. end of a small steel culvert; 13 ft S. and 22 ft E. of center of State Hwy. 181 and a short driveway E. to an old cattle loading dock		862.95
4 2.0 UE K 113 D, Dallas, 1.0 mi N. of; 14 ft S. and 109 ft E. of center of junction of State Hwy. 181 at T-rd. E.; a RR. spike on N. side of a power pole; about 1 ft higher than center of T-rd. E		924.65
6 3.1 Dallas, 1.0 mi N. and 0.2 mi E. of; S. of curve in State Hwy. 181 from E. to N.; Tp. 74 N., R. 21 W., near center of N. edge of NW 1/4 sec. 2, 89 ft S. of center of Hwy. 181 at curve; 122 ft E. of T-fence S.; 2 ft N. of the NW. corner of a small livestock pen and loading chute; a standard tablet stamped "ET 9 DB 1964" set in concrete post; 3 in. above ground; 2.0 ft N. of a metal witness post		932.605

KNOXVILLE QUAD. - 75

6 3.1 Dallas about 2.0 mi N. of; at iron bridge on State Hwy. 181 over White Breast River; on SE headwall; a chiseled square; about 0.4 ft higher than center of bridge; (water level 25.5 ft)		784.92
8 4.4 UE K 113 F, Dallas, 3.2 mi N. of; near junction of State Hwy. 181 and Co. Hwy. "M" 20 ft N. and 43 ft E. of center of crossroads; top of steel RR. rail right-of-way marker painted Orange with white top and 0.2 ft higher than center of crossroads		894.29

MILO QUAD. - 76

11 5.9 UE K 113 G, Dallas, about 4.5 mi N. and 1.0 mi W. of; center of sec. 15, T. 75 N., R. 21 W., 95 ft N. and 60 ft W. of center of crossroads; on State Hwy. 181 and 0.8 ft lower than top of RR. steel rail right-of-way marker; painted orange and white top		921.77
12 6.6 UE K 113 H, Dallas, 5.3 mi N. and 1.0 mi W. of; 21 ft S. and 25 ft E. of T-rd. E.; and junction with State Hwy. 181; painted square on S. end of steel culvert; and 1.5 ft lower than center of T-rd. E.		876.27
13 7.4 UE K 113 I, Dallas, 6.0 mi N. and 1.0 mi W. of; on N. end of E. curb of State Hwy. 181 overpass over RR. track; and 0.2 ft higher than center of Hwy. overpass a chiseled square (25 ft above RR. tracks)		922.16
14 8.4 "UE 113 C, 0.7 mi S. and 1.5 mi E. of disk; a copper nail and washer in center of State Hwy. 181		917.23

LINE 7

Feet

SHORT LINE IN SOUTHWEST CORNER (J.P. Ryan, 1964; CV 1730)

KNOXVILLE QUAD. - 75

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|----|-----|-----|---|---------|
| 2 | 22 | 0.0 | UE K 113 F, top of steel RR. rail right-of-way marker | 894.29 |
| | | 0.5 | RR. spike, marked point | 798.42 |
| 24 | 2.7 | | Kimball, 3.2 mi SE. along C. R.I. & P. RR. from station at; at underpass 45.8, 25 ft SW. of center of track; 18 ft S. of S. pier nearest track, a USC&GS standard disk stamped "G 113 1935" and set in top of concrete post | 879.975 |

LINE 8

SOUTH ALONG EAST BORDER (G.H. Baker, 1964; CV 1704)

PELLA QUAD. - 74

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|-----|------|-----|--|---------|
| 4 | 2 | 0.0 | Pella, about 3.0 mi NW. along the C. R.I. & P. RR. from; about 0.2 mi SE. of the crossing of State Hwy. 163; 46 ft SW. of a farm road crossing near power transmission line tower, 167, 48 ft W. of a pole; and 46 ft SW. of the center of track; a USC&GS standard disk stamped "F 5 1930" and set in top of a concrete post | 877.452 |
| | | 1.1 | UE, center of rd. at fence W. | 869.3 |
| 3 | 1.8 | | UE, center of crossroads | 844.4 |
| 4 | 2.8 | | UE, painted square on W. end of corrugated culvert; 24 ft N. and 1 ft below center of rd. at drive into field | 739.48 |
| 5 | 3.6 | | UE, center of drive NW. into Elam Cemetery | 770.7 |
| 6 | 5.2* | | Howell station, near center sec. 20, T. 76 N., R. 18 W., 525 ft N. of Wabash RR. crossing; 40 ft W. of rd. near group of mail boxes on bank; 3 ft S. of barbed wire fence; T-corner iron post; tilted B.M. | 711.882 |
| 7 | 5.1 | | UE, 25 ft E. of center of Co. Hwy. "P" 100 ft S. of Pella Pump House and 20 ft N. of center of Wabash RR. tracks; a chiseled "x" on NE. corner of bolt of signal box No. 5; a G. of E. mark designated TEM "64" (USGS elev.) | 713.826 |
| 9 | 6.5 | | UE, chiseled square in S. headwall of culvert; 120 ft W. of T-rd. W.; 12 ft S. and 4.4 ft below center of rd. | 723.38 |
| 6.5 | | | Howell, approx. 0.8 mi S. and 0.5 mi W. of; in NW 1/4 sec. 30, T. 76 N., R. 18 W., approx. 0.5 mi S. of intersection of Hwy. "P" and Wabash RR. tracks; a chiseled square on downstream right headwall of bridge over Des Moines River; on Co Hwy. "P", 2 in. downstream from point where gas line pipe crosses bridge; a G. of E. mark designated TEM "R 55" (USGS elev.) | 713.051 |
| 11 | 7.4 | | UE, center of T-rd. E. | 788.3 |
| 12 | 7.9 | | Pella, about 2.25 mi S., and 2.5 mi W. of; T. 76 N., R. 18 W., at S. end of Red Rock Dam, on top of high hill at G. of E. Rock Island Dist. Office for Red Rock Dam, 34 ft NE. of NW. corner of office bldg. 24 ft N. of Bldg., in NW. corner of Chlorination Cover; standard G. of E. brass tablet set in top of concrete form and 3 in. above ground USGS elev. | 830.470 |
| 7.9 | | | Knoxville, about 3.0 mi N. and 6.0 mi E. of center of Red Rock Dam, T. 76 N., R. 19 W., SE 1/4 sec. 24, about 0.25 mi NW. of SW. end of Dam, 3 ft SW. of SW. corner of steel Link fence surrounding Co. of E. Radio Tower; a standard tablet stamped "ET 8 DB 1964" | 830.362 |
| 15 | 9.6 | | UE, spike in power pole; 3.5 ft below center of rd. opposite; about 550 ft N. of T-rd. N. and 30 ft W. of Rd. N.; painted square | 879.70 |

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KNOXVILLE QUADRANGLE
75 - IOWA

<u>LINE 8 (Cont'd)</u>	<u>KNOXVILLE QUAD. - 75</u>	<u>Feet</u>
4 16 10.4	Reference mark, spike in pole; 65 ft NW. of tablet	880.29
10.4	Knoxville, 1.5 mi N. and 5.0 mi E. of; T. 76 N., R. 19 W., near quarter cor. between secs. 35 and 36; 70 ft S., 30 ft E. and 1.3 ft below center of rds.; 1 ft W. of fence; standard tablet set in top of concrete post; stamped "61 HB 1964"	881.160
17 11.3	UE, top of steel "I" beam used as piling; 25 ft N., 12 ft W. and 1.5 ft below center of bridge; (water 11 ft below UE)	758.60
19 12.5	UE, Top of E. lip of bridge at center of bridge over drain and RR., Dr.; 41 ft below UE, RR. 27 ft below UE; UE. 1 ft above flooring of bridge	789.1
20 13.1	UE, center of T-rd. N.	864.9
21 13.7	UE, chiseled square on SW. cor. of bridge 6302; 0.5 ft above center of bridge; (Water 24.10 ft)	740.57
22 13.7	Reference mark, Bolt, in top of small concrete culvert; 345; in S. side of rd. about 390 ft W. of tablet	847.14
23 14.5	Knoxville, 4.0 mi E. along State Hwy. 92; about 1.0 mi E. of bridge over small river; about 0.75 mi W. of cemetery; T. 75 N., R. 19 W., near SE. corner of sec. 11 at crest of small hill; on S. side of rd. opposite large cottonwood tree; 2 ft N. of fence a standard tablet set in top of concrete post; and flush with ground; stamped "62 HB 1964"	859.967
24 15.2	UE, center of T-rd. S.	861.6
25 16.6	UE, center of T-rd. E.	886.7
26 17.1	UE, center of crossroads	889.9
27 18.1	Reference mark, spike in pole; 57 ft N. of tablet	892.10
18.1	Pershing, near NE. corner of City Limits; T. 75 N., R. 19 W., near quarter cor. between secs. 25 and 26, 96 ft N., 33 ft E. and 1 ft lower than T-rd. N.; 1 ft W. of fence; standard tablet set in top of concrete post; stamped "63 HB 1964"	892.660
28 18.7	UE, chiseled square on small concrete culvert at NE. intersection of offset crossroads; 27 ft N. and 21 ft E. of intersection of Rds. N. and W.; and 1.7 ft below center of rd.	885.47
29 19.1	UE, center of T-rd. S.	887.3
30 20.1	UE, chiseled square on bottom step of entrance to house; 45 ft E., 54 ft N. and 2 ft above bend in rd.	898.97

MELCHER QUAD. - 53

31 20.6	Tps. 74 and 75 N., R. 19 W., 20 ft W. by 10 ft N. of cor. secs. 2, 3, 34 and 35; 1.25 mi N. of Attica; E. of T-rd. W.; iron post stamped "P T S 2 1908 908 Iowa"	906.269
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