

THIRD-ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

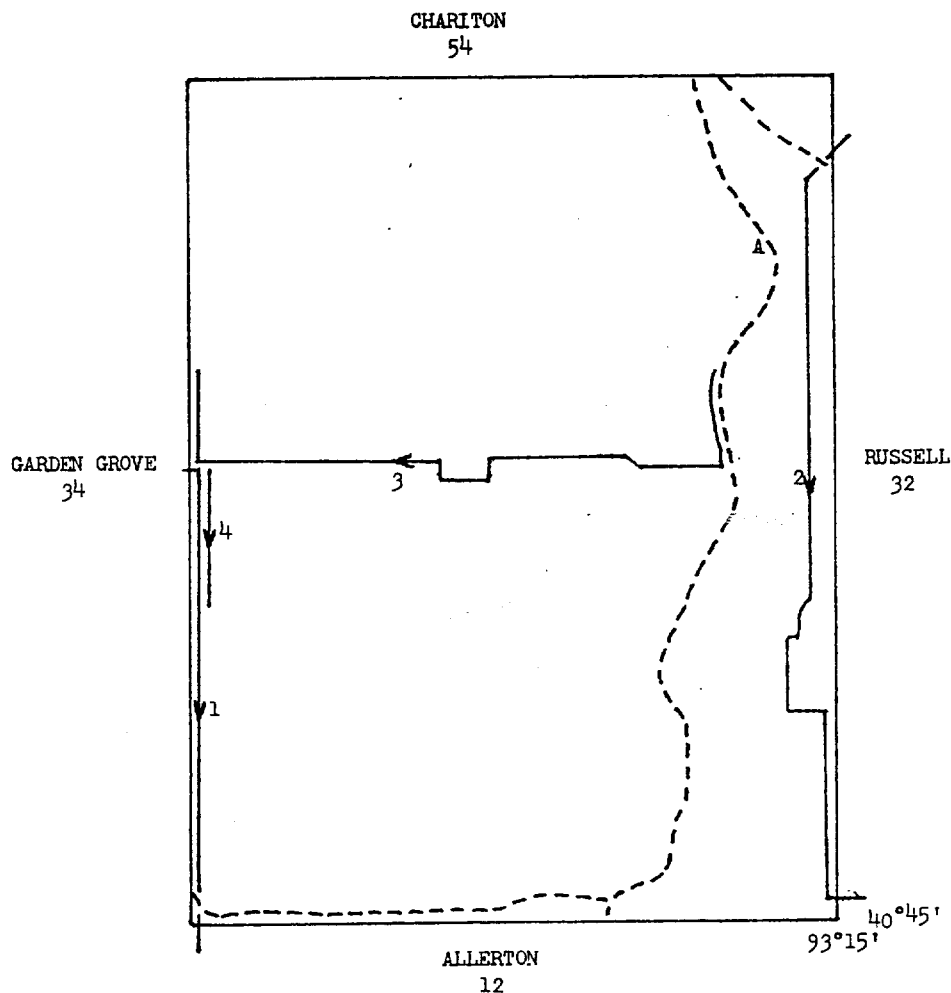
Lucas and Wayne Counties

Edition of: 9-30-80

PR: ADP/JNF/cb

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

40-093-14
CORYDON QUADRANGLE
33 - IOWA
N4015-W9315/15
DIAGRAM NK 15-11
CENTERVILLE



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

A. No. 400931

LINE 1

FEET

R.L. Fuerst, 1963; Book CV-1594

GARDEN GROVE QUAD. - 34

- 13.8 Humeston, 1 mi W. of; T. 70 N., R. 23 W., near cor. secs. 16, 17, 20 and 21; 143 ft N., 23 ft E. and level with crossroads; 2 ft W. of E. right-of-way fence; in concrete post; standard tablet stamped "27 RLF 1963 1080" 1080.491
- 13.8 Reference mark, about 110 ft SE. of tablet; 65 ft E. and 14 ft N. of crossroads; on top of W. end of N. abutment; of concrete culvert; chiseled square 1082.10
- 14.7 UE 27 A, Humeston City, T. 70 N., R. 23 W., near cor. secs. 15, 16, 21 and 22; at NE. cor. of schoolyard at E. edge of sidewalk; 0.5 mi S. of street curb; 12 ft S. and 24 ft W. of center of cross street; chiseled square 1105.71
- 15.7 Humeston, 1 mi S. of; T. 70 N., R. 23 W., cor. secs. 21, 22, 27 and 28; 83 ft E. of center of crossroads; 1.5 ft S., 53 ft E. of corner fence post; in concrete post; standard tablet stamped "1107" 1107.134
- 15.8 Reference mark, about 330 ft S. of tablet; 40 ft E. of center of Hwy. 65; on top of E. end of concrete culvert; chiseled square 1105.70
- Reference mark 170 ft S. of post; on E. headwall of concrete culvert; bronze tablet stamped "I H C B.M." 1108.441
- 16.6 UE 19 A, T. 70 N., R. 23 W., near cor. secs. 27, 28, 33 and 34; 500 ft N. and 25 ft W. of crossroads; on top of W. headwall of 2 by 2 ft concrete box culvert; in painted square steel rod; near power pole; painted "UE 19 A 1107.1" 1107.19
- 17.8 UE 19 B, T. 69 and 70 N., R. 23 W., near cor. secs. 4, 5, 32 and 33; 93 ft S. and 30 ft W. of crossroads; on top of W. headwall of concrete box culvert; top of 0.5 in. square steel rod; near power pole; painted "UE 19 B 1076.6" 1076.68
- 18.5 UE 19 C, T. 69 N., R. 23 W., near S. sixteenth cor. between secs. 3 and 4, at NE. cor. of small concrete bridge on top of NE. wingwall of N. abutment; chiseled square near telephone pole; painted "UE 19 C 1036.6" 1036.69
- 18.8 Humeston, T. 69 N., R. 23 W., near cor. secs. 3, 4, 9 and 10; 170 ft N., 82 ft E. and level with T-rd. E.; in NW. cor. of lot to electrical transformer substation, 1 ft S. and 12 ft E. of fence corner; in concrete post; standard tablet stamped "28 RLF 1963 1091" 1090.782
- 18.8 Reference mark, about 70 ft SW. of tablet; on E. headwall of concrete culvert; bronze tablet stamped "I H C B.M." USGS Elev. (NOTE: Same point as R.M. to old "TT 20 E. 1933" - not found) 1087.87
- 19.7 UE 28 A, T. 69 N., R. 23 W., near cor. secs. 9, 10, 15 and 16; 550 ft N. of crossroads; 30 ft W. of Hwy. 65 on top of W. headwall of concrete box culvert; bronze tablet about 1.5 in. in diameter stamped "I H C B.M." (Elev. by USGS) 1095.704
- 21.3 Reference mark 4, about 665 ft W. of station 2 ft W. and 1.5 ft S. of fence corner in NE. corner of yard to two story farmhouse; in concrete post; standard tablet stamped "FAIRALL R.M. 4" 1105.002
- 21.4 Corydon, 8.5 mi W. and 1.5 mi N. of; 6 mi S. and 0.5 mi E. of Humeston; on N. side of NE $\frac{1}{4}$ sec. 22, T. 69 N., R. 23 W., on land owned by Mr. Sam Fairall who lives 328 ft E. of the station. Station is in small pasture to W. of Mr. Fairall's house; 240 ft W. of fence dividing pasture and small orchard; 18 ft S. and road fence; 37 ft S. of center of road; 656 ft E. of fence at W. side of pasture; surface station mark, standard triangulation disk stamped "FAIRALL 1928" in concrete post; 4-in. above surface of ground 1109.417

LINE 1 (Cont'd)

ALLERTON QUAD. - 12

FEET

- 23.4 UE 4 B, C110, 8 mi N. and 2.5 mi W. of; Humeston, 7 mi S. of; in T. 69 N., R. 23 W., near quarter cor. between secs. 27 and 28; approx. 2000 ft S. to Nick's Cafe on U.S. Hwy. 65; on the S. end of E. headwall of concrete box culvert under Hwy. and approx. 5 ft lower than Hwy.; a chiseled square; near power pole painted "UE 4 B" 1097.33

LINE 2

M.D. Duerk, 1965; Book CV-1868

RUSSELL QUAD. - 32

- 5.1 Harvard, 4.5 mi N. and 1 mi E. of; 3.5 mi E. of Corydon; near the cors. of secs. 22, 23, 26 and 27, T. 69 N., R. 21 W., 127 ft S., 23 ft E., and 1.5 ft higher than T-rd. S., 3 ft N. of a cor. fence post; in concrete post; in a standard tablet stamped "8 MDD 1965" 1062.859
- 5.1 Reference mark, 93 ft N. of B.M. 29 ft S. and 12 ft E. of T-rd. S., on top of E. end of round iron culvert; a chiseled cross 1059.38
- 6.1 UE, 1 mi N. of B.M., along gravel road, near the cors. of secs. 14, 15, 22 and 23; T. 69 N., R. 21 W., 24 ft S., 43 ft E. and 2.8 ft lower than T-rd. S. on top of S. end of steel pipe culvert; a punched hole 1032.93
- 7.1 B.M. "69 S", in Wayne Co., at the cor. of secs. 10, 11, 14 and 15, T. 69 N., R. 21 W. and T-rd. junction B.M. is a RR. spike on N. side of a telephone pole, 1 ft above ground the pole is on S. side of E.-W. road (Elev. by USGS) 991.97
- 7.1 UE 8 B, 2 mi N. of B.M. "8 MDD 1965", 77 ft N. and 23 ft E. of T-rd. N., top end of 24-in. pipe culvert; 5.1 ft lower than T-rd.; a punched hole 991.26

CORYDON QUAD. - 32

- 7.7 Reference mark, 64 ft N. of B.M., 27 ft N. and 20 ft W. of T-rd. N., in top of W. end of round concrete culvert; a chiseled square 1067.2
- 7.7 B.M., Corydon, 1.7 mi N., and 3 mi E. of; near the quarter cor. between secs. 10 and 15, T. 69 N., R. 21 W.; 37 ft S., 11 ft W., and 0.3 ft higher than T-rd. N., 10 ft W. of a fence corner, 1 ft N. of a fence; in a concrete post; a standard tablet stamped "TT 25 E 1933 RESET 1965" 1067.799
- 9.7 UE 25 B, 2 mi N. of B.M., near the quarter cor. between secs. 3 and 34, Tps. 69 and 70 N., R. 21 W., 32 ft N., and 1.8 ft higher than road at fence N., in S. side of cor. fence post, a RR. spike 1027.24
- 10.7 Reference mark, 37 ft NE. of B.M.; 25 ft S., 21 ft W. of T-rd. W., in W. end of round concrete culvert; a chiseled square 1057.02
- 10.7 Corydon, 4.2 mi N., and 2.5 mi E. of near the quarter cor. between secs. 33 and 34, T. 70 N., R. 21 W.; 40 ft S., 56 ft W. and 2.5 ft higher than T-rd. W.; 8 ft E. of power pole, 1 ft N. of a fence; in a concrete post; a standard tablet stamped "TT 26 E 1933 RESET 1965" 1060.400
- 11.7 UE 26 A, 1 mi N. of B.M. along gravel road; near the quarter cor. between secs. 27, 28, T. 70 N., R. 21 W.; 21 ft S., 33 ft E. and same elev. as T-rd. S., in S. end of 12-in. steel pipe culvert; a punched hole 1020.26
- 12.6 UE, 1.6 mi N. and 0.25 mi E. of B.M. near the W. sixteenth cor. between secs. 22 and 27; T. 70 N., R. 21 W.; 20 ft S., 8 ft E. and 0.8 ft lower than centerline of bridge; on top of bolt on plate over SE. piling, a chiseled cross 976.85

LINE 2 (Cont'd)

CORYDON QUAD. - 33

FEET

- 13.3 Corydon, 6.45 mi N. and 3 mi E. of; 2.5 mi E. of Millerton; near the center of the N $\frac{1}{2}$ of sec. 22, T. 70 N., R. 21 W., 120 ft N. and 55 ft E. of crossroads, 1 ft S. of a underground telephone cable marker; in concrete post; a standard tablet stamped "TT 27 E RESET 1965" (Elev. 1058.007) 1058.0
- 13.3 Reference mark, 170 ft S. of B.M., 60 ft S. and 71 ft E. of crossroads; 15 ft E. of a power pole in top of RR. rail projecting 0.7 ft; a chiseled cross 1058.53
- 14.5 UE, 1.2 mi N. of B.M. along gravel road; near the quarter cor. between secs. 10 and 15; T. 70 N., R. 21 W., 207 ft S.; 24 ft W., and 4.1 ft lower than road at E.-W. fence, in top of W. end of steel pipe culvert a punched hole 1049.28
- 15.5 UE, 2.2 mi N. of B.M., along gravel road; near the quarter cor. between secs. 3 and 10; T. 70 N., R. 21 W.; 33 ft S., 29 ft E. and 1.3 ft lower than crossroads; in top of S. end of 12-in. steel pipe culvert; a punched hole 1040.91
- 16.5 Reference mark, 108 ft SW. of B.M.; 150 ft S. and 73 ft W. of crossroads; in NE. side of 20-in. elm tree; a RR. spike 999.60
- 16.5 Millerton, 3.5 mi N., and 2.5 mi E. of; near the quarter cor. between secs. 3 and 34; Tps. 70 and 71 N., R. 21 W.; 56 ft S., 35 ft W. and 7.8 ft lower than T-rd. W.; 44 ft S. and 35 ft W. of T-rd. E., 2 ft E. of a fence; in concrete post; a standard tablet stamped "TT 5 E 1933" 997.845

LINE 3

J.L. Kirk, 1977; Book CV-3408

CORYDON QUAD. - 33

- 2 75 0.0 BM, 7.1 mi S. along the Chicago, Rock Island & Pacific RR. from the Chicago, Burlington & Quincy RR. overhead N. of a road crossing, at a private-road crossing, 36 ft S. of the centerline of the road, 29 ft E. of the centerline of the track, 66 ft W. of the right-of-way fence, and about 1.5 ft lower than the track, a standard disk stamped "W 113 1935" and set in the top of a concrete post 1003.873
- 79 2.3 Millerton, 2.5 mi N., 1 mi E. of; T. 70 N., R. 21 W., near cor. secs. 4, 5, 8 and 9; 24 ft N., 133 ft W., and 2.4 ft lower than crossroads; 2 ft S. and 0.7 ft E. of fence post; a standard tablet in concrete post stamped "TT 13 E 1933 1062" 1062.128
- 2 2.3 Reference mark, 179 ft SW. of BM, 27 ft S. and 12 ft W. of road at field entrance S. (and drive N.) on top of W. end of steel culvert, within a painted square; a punched hole 1058.18
- 7 3.4 UE 13 A, 1 mi W. of BM, T. 70 N., R. 21 W., near cor. secs. 5, 6, 7 and 8; 65 ft N., 32.5 ft E. and 2.4 ft higher than road at N.-S. fence; at SW. corner of old school house, on concrete foundation; a chiseled square 1036.70
- 8 3.8 UE 13 B, 1.5 mi W. of BM, T. 70 N., R. 21 W., near quarter cor. of secs. 6 and 7, 23 ft S., 55 ft E. and 3 ft lower than crossroad (Ia. Hwy. 14); on top of S. end, 1 ft from end of 3.5 ft concrete culvert; a chiseled square; painted 1026.48
- 13 4.9 Reference mark, 82 ft SE. of BM, 15 ft SW. (normal) and 38 ft SE. of centerline of bridge; on SE. corner of bridge curb; a chiseled square; painted 986.53
- 14 4.9 BM, Millerton, 2.75 mi N. and 1.25 mi W. of; T. 70 N., R. 22 W., on SE. quarter sec. 1, 14 ft NE., 38 ft NW. and 0.6 ft higher than centerline of bridge; on the NW. corner of bridge curb; in a drill hole; a standard tablet stamped "3 JLK 1977" 986.545
- 18 6.1 UE 3 A, 1.2 mi W. of BM, T. 70 N., R. 22 W., near S. center sixteenth corner; 23 ft S., 49 ft W., and 6.6 ft lower than crossroad; on top of the S. end, 1 ft from end, of concrete culvert; a chiseled square; painted 1055.45

LINE 3 (Cont'd)

CORYDON QUAD. - 33

FEET

- 2 21 6.7 UE 3 B, 1.8 mi W. of BM, T. 70 N., R. 22 W., in SE $\frac{1}{4}$ sec. 3; 12 ft N., 14.5 ft W. and 0.4 ft higher than centerline of bridge; 1.2 ft E. of W. end of bridge curb; on the W. end of bridge curb; a chiseled square 988.01
- 24 7.8 UE 3 C, 2.7 mi W. of BM, T. 70 N., R. 22 W., S. of quarter cor. sec. 3 and 4; 3 ft S., 23 ft W., and 1.7 ft lower than T-rd. E., 1 ft from S. end of steel culvert; punched hole 1055.27
- 26 8.1 Reference mark, 45.5 ft NE. of BM, 16 ft N. and 29 ft W. of T-rd. W.; 0.9 ft from the N. end of a steel culvert; a punched hole within a painted square 1079.74
- 27 8.1 BM, Millerton, 2.25 mi N., 4 mi W. of; 2.75 mi N. and 1 mi E. of Cambria; T. 70 N., R. 22 W., 0.25 mi S. of cor. secs. 3, 4, 9 and 10; 27 ft S., 46 ft W., and 1.8 ft higher than T-rd. W.; 1.5 ft N. and 8 ft W. of corner post; on top of copper coated steel rod centered in a 1 ft long 6-in. diameter plastic pipe, and filled with crushed stone; a standard tablet stamped "4 JLK 1977" 1084.440
- 29 9.1 UE 4 A, 1 mi W. of BM, T. 70 N., R. 22 W., 0.25 mi S. of cor. sec. 4, 5, 8 and 9; 23 ft S., 229 ft E., and 1.6 ft lower than T-rd. E.; 23 ft S. and 51 ft E. of road at drive N. to barnyard; 1 ft from S. end of concrete culvert; a chiseled square; painted 1073.46
- 33 9.9 UE 4 B, 0.25 mi N. and 1.5 mi W. of BM; T. 70 N., R. 22 W., near cor. secs. 5 and 8; 22 ft N., 214 ft W. and 7.5 ft lower than crossroad; 0.9 ft from N. end of steep culvert; a punched hole within a painted square 1032.87
- 35 10.3 UE 4 C, 0.25 mi N. and 1.9 mi W. of BM; T. 70 N., R. 22 W., about 0.1 mi E. of cor. secs. 5, 6, 7 and 8, 18 ft S. and 3.4 ft lower than road at drain; on top in center of concrete headwall; a chiseled square; painted 1008.94
- 38 11.4 BM, Cambria, 3 mi N. and 2 mi W. of, 1.5 mi N. and 2.75 mi E. of Humeston, T. 70 N., R. 22 and 23 W., near cor. secs. 1, 6, 7 and 12, 95 ft N. and 34 ft E. of T-rd. N., 11 ft N. of telephone pole, 1.5 ft W. of fence and weld rod, protected by a 6-in. clay tile and stamped "TT 16 E 1933 RESET 1080" 1081.326
- 39 11.4 Reference mark, 217 ft N. of BM, 312 ft N. and 21 ft E. of T-rd. N., 13 ft N. and 21 ft E. of road at drive E., a chiseled square on the N. end of a 24-in. round concrete culvert 1086.51
- 42 12.6 UE 16 A, 1.15 mi W. of BM; T. 70 N., R. 23 W., near cor. sec. 1, 2, 11 and 12; 15 ft N.; about 800 ft W. and 15.8 ft lower than crossroad; on top in center of concrete headwall; a chiseled square; painted 1083.13
- 44 13.4 UE 16 B; 2 mi W. of BM; T. 70 N., R. 22 W. near cor. secs. 2, 3, 10 and 11; 19 ft N., 133 ft W., and 0.6 ft lower than crossroads; 19 ft N.; 0.9 ft from E. end of concrete culvert; a chiseled square; painted 1105.02
- 46 14.5 BM, Humeston, 1.5 mi N. of; T. 70 N., R. 23 W., near cor. secs. 3, 4, 9 and 10; 72 ft N. centerline of road E.; 57 ft E. of centerline of U.S. 65 and 10.3 ft higher than crossroad; 20 ft N. and 1 ft W. of power line pole; in SW. cor. of cemetery; in a concrete post; a standard tablet stamped "TT 17 E 1933 RESET 1977" 1086.797
- 47 14.5 Reference mark, 124 ft NE. of BM; 62 ft E. of centerline of hwy.; 33 ft S. of twin conifer trees; on top of NW. cor. of granite grave stone (Phebe C. Wilson May 15, 1864 Sept. 16, 1931); no mark was made 1083.82
- 49 15.4 UE 17 A, 0.9 mi N. of BM; T. 70 and 71 N., R. 23 W., near cor. secs. 3, 4, 33 and 34, and Lucas-Wayne County Line, 75 ft N., 97 ft E. and 11.2 ft lower than crossroads; on top of W. cor. of concrete base for SW. leg of rural water tank "R.R. WA 16", a chiseled square 1102.56

LINE 3 (Cont'd)

CORYDON QUAD. - 33

FEET

2 51 16.4 UE, 1.9 mi N. of EM; T. 71 N., R. 23 W., near cor. secs. 27, 28, 33 and 34; 51 ft S., 15 ft W. and 2.4 ft lower than crossroad; on top of S. end of W. concrete headwall; a chiseled square 1074.070

LINE 4

J.L. Kirk, 1977; Book CV-3408

CORYDON QUAD. - 33

2 54 0.0 "TT 17 E 1933 RESET 1977" (Described in Line 3) 1086.797

57 1.4 UE 17 AA, 1.4 mi S. of EM, T. 70 N., R. 23 W., 0.4 mi S. cor. secs. 9, 10, 15 and 16; 19 ft E. and 1.4 ft lower than road at drain, 32 ft S. and 19 ft E. of road at drive E. to Humeston Meat Processing Bldg. on top of E. concrete headwall; a chiseled square; painted 1091.38

61 15.8 Reference mark, about 330 ft S. of tablet; 40 ft E. of center of Hwy. 65; on top of E. end of concrete culvert; chiseled square 1105.700

ISOLATED BENCH MARKS

T. 71 N., R. 21 W., near quarter cor. between secs. 2 and 3; 84 ft S. and 24 ft E. of center of crossroads; 30 ft S. and 6 ft E. of telephone pole; at SE. angle of road; in top of concrete post; standard tablet stamped "TT 3 E 1933 1034" 1034.234

T. 71 N., R. 21 W., in quarter cor. between secs. 15 and 22; 87 ft S. thence 25 ft E. of T-rd. W.; 2 ft E. of corner fence post; in concrete post; standard tablet stamped "TT 4 E 1933 1030" 1030.038

Tps. 70 and 71 N., R. 21 W., quarter cor. between secs. 3 and 34; 63 ft S. and 33 ft W. of T-rd. W.; 44 ft S. and 33 ft W. of T-rd. E.; 2 ft E. of fence; concrete post; standard tablet stamped "TT 5 E 1933" 997.845

Corydon, about 0.5 mi N. and 1.75 mi E. of; on cultivated land owned by T.Y. Miles, of Corydon, 175 ft W. of NE. cor. sec. 20, T. 69 N., R. 21 W., 153 ft W. of section road fence; 69 ft S. of center of section-line road; 48 ft S. of section-line road fence; 410 ft W. of C.B. & Q. RR.; in concrete post set 20-in. below ground surface; USC&GS standard disk stamped "1928" 1082.443

T. 69 N., R. 21 W., near cor. secs. 20, 21, 28 and 29; 720 ft E. from crossroads; on concrete bridge across Jackson Creek; in center of hand rail on N. side; chiseled square 1009.43

T. 69 N., R. 21 W. in corner secs. 21, 22, 27 and 28, 14 ft N. and 40 ft W. from center of crossroads; 10 ft S. and 10 ft W. from telephone pole; on N. headwall of concrete culvert; chiseled square 1076.47

Humeston, 1.75 mi N. of; cor. secs. 3, 4, 9 and 10, T. 70 N., R. 23 W., 62 ft N. thence 53 ft E. of center of crossroads (N.-S. road is State Hwy. 137) 33 ft N. and 2 ft W. of corner fence post at SW. corner of Humeston Cemetery; in concrete post; standard tablet stamped "TT 17 E 1933" 1086.681

T. 70 N., Rs. 22 and 23 W., cor. secs. 1, 6, 7 and 12; 26 ft N. thence 51 ft E. of T-rd. N.; 1.5 ft S. thence 36 ft E. of corner fence post; in concrete post; standard tablet stamped "TT 16 E 1933" (Disturbed 7-77, R.L.P.) 1082.002

T. 70 N., R. 22 W., 0.25 mi S. of cor. secs. 3, 4, 9 and 10; 18 ft N. thence 63 ft W. of T-rd. W., 2 ft S. thence 33 ft W. of corner fence post; in concrete post; standard tablet stamped "TT 15 E 1933" (Not found 7-77, R.L.P.) 1083.942

ISOLATED BENCH MARKS (Cont'd)

Reference mark, on concrete base on N. side of front porch of steps to house E. side of road 165 ft E. and 90 ft S. of post; chiseled square	1086.78
T. 70 N., R. 22 W., in center of S $\frac{1}{2}$ sec. 1; 25 ft S. thence 56 ft E. of T-rd. S.; 24 ft S. thence 145 ft W. of center of wooden bridge; 2 ft N. of fence; in concrete post; standard tablet stamped "TT 14 E 1933 994" (Not found 7-77, R.L.P.)	993.743
Reference mark, on N. root of 18-in. elm tree; 162 ft W. thence 30 ft N. of intersection of T-rd. S.	1008.95
T. 70 N., R. 21 W., at cor. secs. 5, 6, 7 and 8; on top of concrete foundation to school house at SW. corner of building; chiseled square	1037.12
T. 70 N., R. 21 W., cor. secs. 4, 5, 8 and 9; 23 ft N. thence 128 ft W. of center of crossroads; 2 ft S. and 15 ft W. of corner fence post; at SE. cor. of garden; concrete post standard tablet stamped "TT 13 E 1933 1062" (Tied to "X 113")	1062.417
Reference mark, copper nail and washer under sod on S. root of cottonwood tree; 31 ft E. of post	1061.87
T. 70 N., R. 21 W., 500 ft E. of cor. secs. 3, 4, 9 and 10; on top of center of S. headwall of small concrete culvert; 13 ft S. of center of road; chiseled square	1020.53
T. 72 N., R. 23 W., in NW $\frac{1}{4}$ sec. 36; 30 ft N. thence 170 ft E. from T-rd. E.; 15 ft N. and 6 ft W. of corner fence post; in concrete post; standard tablet stamped "33 E 1933 950" (Not found 7-77, R.L.P.)	949.601 940.24
Reference mark, 270 ft NW. of post; on E. headwall of concrete culvert; chiseled square	
T. 72 N., R. 23 W., in sec. 35; Lucas, 3.63 mi S. of; 400 ft N. of intersection of road fork; on E. headwall of concrete culvert; bronze disk stamped "I H C B.M."	1051.58
T. 71 N., R. 23 W., quarter cor. between secs. 2 and 11; 25 ft S. thence 60 ft W. of old crossroads; 35 ft S. thence 128 ft E. of center of crossroads; formed by State Hwy. 137 and Co. Hwy. "M" 2 ft N. thence 9 ft W. of NE. cor. of Goshen Cemetery; iron post stamped "PRIM TRAV STA 3 1914 IOWA"	1037.883
Reference mark, 100 ft W. of post at NW. cor. of cemetery; top of iron rail in ground	1029.03
T. 71 N., R. 23 W., near cor. secs. 2, 3, 10 and 11; 225 ft E. of T-rd. N.; on S. headwall of concrete culvert; chiseled square	1042.66
T. 71 N., R. 23 W., cor. secs. 21, 22, 27 and 28; Derby, 2 mi W. of; 25 ft N. thence 48 ft E. of center of crossroads; 5 ft S. and 30 ft E. of 2 ft maple tree; at fence corner; in concrete post; standard tablet stamped "TT 18 E 1933 1094" (Not found 7-77, R.L.P.)	1094.311
T. 71 N., R. 23 W., cor. secs. 27, 28, 33 and 34; 51 ft S. and 15 ft W. of center of crossroads; on S. end of W. headwall on concrete culvert; chiseled square	1074.07
T. 70 N., R. 23 W., cor. secs. 3, 4, 9 and 10, Humeston, 1.75 mi N. of; 62 ft N. thence 53 ft E. of center of crossroads (N.-S. road is State Hwy. 137) 33 ft N. and 2 ft W. of corner fence post; at SW. corner of Humeston Cemetery; in concrete post; standard tablet stamped "TT 17 E 1933"	1086.681
Reference mark, 50 ft SE. of post and 30 ft E. of SW. cor. of cemetery; top of steel rod in concrete post	1086.42
Humeston, City of; at NE. cor. of schoolyard at E. edge of sidewalk; 0.5 ft S. of street curb; 12 ft S. and 24 ft W. of center of cross street; chiseled square	1105.71
T. 70 N., R. 23 W., cor. secs. 21, 22, 27 and 28; Humeston, 1 mi S. of; 21 ft N. thence 83 ft E. of center of crossroads; 1.5 ft S., thence 33 ft E. of corner fence post; in concrete post; standard tablet stamped "TT 19 E 1933" "1107" (Not found 7-77, R.L.P.)	1107.134

ISOLATED BENCH MARKS (Cont'd)

	<u>FEET</u>
Reference mark, 170 ft S. of post; on E. headwall of concrete culvert; bronze tablet stamped IHC BM	1108.44
Tps. 69 and 70 N., R. 23 W., cor. secs. 3, 4, 33 and 34; 80 ft S. and 20 ft W. of center of crossroads on W. headwall of concrete culvert; bronze tablet stamped "I H C BM"	1076.968
T. 69 N., R. 23 W., cor. secs. 3, 4, 9 and 10; Humeston, 4 mi S. of; 60 ft S. and 45 ft E. of T-rd. E.; 1.5 ft W. of fence; in concrete post; standard tablet stamped "TT 20 E 1933 1089" (Reported not found 8-63 RLF)	1088.980
Reference mark 200 ft N. of post, on E. headwall of concrete culvert; bronze tablet stamped "IHC BM"	1087.59
T. 69 N., R. 23 W., cor. secs. 9, 10, 15 and 16; 34 ft S. and 15 ft W. of center of crossroads; on SW. headwall of concrete culvert (wey culvert); bronze tablet stamped "IHC B.M."	1103.162
T. 69 N., R. 23 W., cor. secs. 15, 16, 21 and 22; 80 ft N. and 20 ft W. of T-rd. E.; on W. headwall of concrete culvert; bronze tablet stamped "I H C B.M."	1086.354
Reference mark 2, WNW. of station; 21 ft N. of center of road and in fence row; (not found R.L.F. 63)	1105.78
Reference mark 1, NE. of station; 18 ft N. of center of road and in fence row; (not found R.L.F. 1963)	1109.33
T. 69 N., R. 23 W., cor. secs. 22, 23, 26 and 27; 15 ft S. thence 300 ft E. of center of crossroads; in W. wall of throat of concrete flume on S. side of road; chiseled square	1072.57
T. 69 N., R. 23 W., cor. secs. 19, 20, 29 and 30; 60 ft N. thence 15 ft E. of center of crossroads; on top of rail right-of-way marker; chiseled square	1108.90
T. 69 N., Rs. 22 and 23 W., cor. secs. 19, 24, 25 and 30; 60 ft S. thence 15 ft W. of center of crossroads (rd. E.-W. is State Hwy. 3) 30 ft S. thence 1.5 ft E. of corner fence post; in concrete post; standard tablet stamped "TT 21 E 1933" "1084"	1084.796
Reference mark, 45 ft N. thence 45 ft W. of post; on E. wall of flume on S. side of road; chiseled square (Reported not found 6-63)	1085.44
T. 69 N., R. 22 W., cor. secs. 19, 20, 29 and 30; 15 ft S. thence 250 ft W. of center of crossroads; in S. headwall of concrete culvert; chiseled square	1093.68
T. 69 N., R. 22 W., cor. secs. 20, 21, 28 and 29; 15 ft S. thence 65 ft W. of center of crossroads; in E. wall of concrete flume; chiseled square	1072.401
T. 69 N., R. 22 W., cor. secs. 21, 22, 27 and 28; 48 ft N. and 21 ft W. of T-rd. S.; 3 ft S. of fence; in concrete post; standard tablet stamped "TT 22 E 1933 1031" (ties to K 118) (Reported not found 6-63 RGM)	1031.478
Reference mark, 210 ft W. of post, on N. headwall of concrete culvert; chiseled square	1023.76
T. 69 N., R. 22 W., about 0.25 mi N. of quarter cor. between secs. 22 and 27, 370 ft E. along hwy. from intersection of road fork N. on S. side of road opposite W. end of guard rail; in fence line; highest point on top of steel rail driven in ground	1095.45
T. 69 N., R. 22 W., near quarter cor. between secs. 14 and 15; on E. side of road; 110 ft W. of front porch of Wayne County Home; 4 ft E. of fence; on S. side of walk; chiseled square	1096.82
USC&GS Triangulation Station CORYDON NORTH BASE; 2.5 mi W. and 1.75 mi N. of courthouse; in sec. 14; T. 69 N., R. 22 W.; in concrete post 2-in. below surface of ground; marked "1092.6"	1093.096

ISOLATED BENCH MARKS (Cont'd)

FEET

Reference mark 1, about 580 yards S. from section corner; 1.6 ft W. of fence line and 16 ft E. of center of road; about 1624 ft SW. of station	1095.85
T. 69 N., R. 22 W., about 0.25 mi N. of cor. secs. 22, 23, 26 and 27; 54 ft S. thence 57 ft W. of T-rd. S.; 15 ft W. of telephone pole at fence line; highest point on iron rail driven in ground	1095.02
T. 69 N., R. 22 W., about 0.25 mi N. of cor. secs. 23, 24, 25 and 26; 15 ft S. thence 40 ft E. of dim T-rd. N.; on E. wall of throat of concrete flume; chiseled square	1042.90
Corydon, W. edge of; T. 69 N., Rs. 21 and 22 W., about 0.25 mi N. of cor. secs. 19, 24, 25 and 30, 20 ft N. thence 20 ft W. of center of hwy. in line with section line fence N.-S. on N. headwall of concrete culvert; chiseled square	1074.25
Corydon, City of, at center of S. edge of Wayne County Courtyard; 3.6 ft N. of street curbing at S. edge of courtyard; 5.7 ft W. of W. edge of concrete sidewalk running S. from courthouse; in concrete post; standard tablet stamped "TT 23 E 1933 1093" (tied by USC&GS) (Reported destroyed 4-64)	1093.279
Reference mark, 250 ft W. of post, on first step at SE. cor. of sidewalk; in front of Atlantic and Pacific store; near lamppost; chiseled square	1094.76
Corydon, E. edge of; T. 69 N., R. 21 W., in SW $\frac{1}{4}$ sec. 20; 250 ft E. of crossroads; on S. headwall of concrete culvert; chiseled square	1050.42
T. 69 N., R. 21 W., near cor. secs. 20, 21, 28 and 29; 720 ft E. from crossroads; on center of N. handrail of concrete bridge across Jackson Creek; chiseled square	1009.40
T. 72 N., R. 22 W., quarter cor. between secs. 32 and 33; 60 ft S. thence 24 ft W. from T-rd. S.; 1.5 ft E. of fence; in concrete post; standard tablet stamped "1 E 1934 978" (Destroyed 7-77 R.L.P.)	977.523
Reference mark; 40 ft N. and 10 ft E. of post; on W. headwall of concrete culvert; chiseled square	973.45
Tps. 71 and 72 N., R. 22 W., cor. secs. 4, 5, 32 and 33; 150 ft S. thence 20 ft E. from T-rd. E.; on center of E. headwall of concrete culvert; chiseled square	1030.76
Tps. 71 and 72 N., R. 22 W., near cor. secs. 3, 4, 33 and 34; 15 ft S. thence 120 ft E. of center of crossroads; on S. end of steel culvert; chiseled cross	1042.56
Tps. 71 and 72 N., R. 22 W., cor. secs. 2, 3, 34 and 35; 30 ft N. thence 43 ft E. of T-rd. N.; (rd. N.-W. is Co. hwy. "M") 2 ft S. thence 10 ft E. from telephone pole; iron post stamped "PRIM TRAV STA 2 1914 IOWA" "1013" (Disturbed 7-77, R.L.P.)	1013.141
Tps. 71 and 72 N., R. 22 W., about 600 ft E. of cor. secs. 1, 2, 35 and 36; 300 ft E. of private T-rd. S.; on center of S. headwall of concrete culvert; chiseled square	991.82
T. 72 N., Rs. 21 and 22 W., about 0.25 mi S. of cor. secs. 25, 30, 31 and 36; 50 ft S. thence 31 ft W. from T-rd. W.; 21 ft S. thence 2 ft E. from fence corner; in top of concrete post; standard tablet stamped "2 E 1934 1020" (Destroyed 7-77, R.L.P.)	1020.383

CORYDON QUAD. - 33

T. 71 N., R. 21 W., on N. side of NE $\frac{1}{4}$ sec. 4; and owned by Albert Miller of Chariton; 738 ft E. of C.B. & Q. RR. tracks from intersection of E.-W. road; 32 ft S. of center of road, in fence line; in concrete post; USC&GS standard disk stamped "CHARITON" (Note: USC&GS Triangulation station has been destroyed. CHARITON 2 established across the road.	1041.802
"59 - 34" (Iowa Geodetic Survey) Chariton, 2.2 mi SE. of along C.B. & Q. RR., 706 ft NW. of crossing of NW $\frac{1}{4}$ sec. line, 27 ft SW. of rail of S. track, 4 ft NE. of right-of-way fence. Iowa Geodetic Survey standard disk set in top of concrete post; tied by Ellege in 1934 (Elev. by USC&GS, Line 21)	1043.111