

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

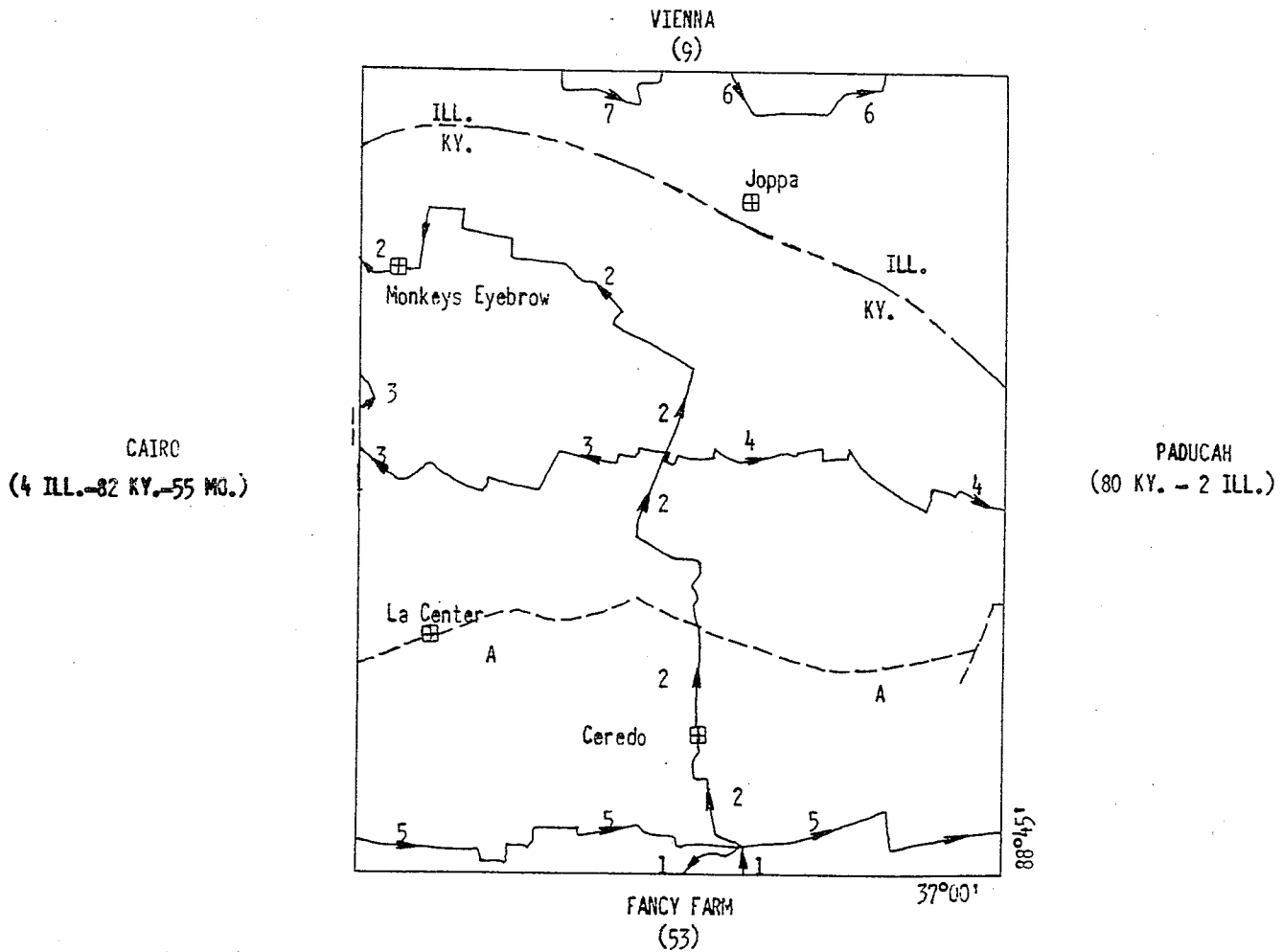
37-088-33
LA CENTER QUADRANGLE
81 KY. - 3 ILL.
N3700-48845/15
DIAGRAM HJ 16-7
PADUCAH

Ballard & McCracken Counties, KY.
Massac & Pulaski Counties, ILL.

Final adjustment of 1965

Edition of 5/26/78

PR: LB/mjh



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370883

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LA CENTER QUADRANGLE
Bks. A9690, B2512
and B2857

81 KY. - 3 ILL.

37-088-33

3

	<u>Feet</u>
ISOLATED BENCH MARKS (By R. G. Clinite, 1915; Book A9690; E. E. Harris, 1926; Book B2512; and S. L. Parker, 1928; Book B2857)	
Joppa, 2.5 mi W. of, along Chicago and Eastern Illinois Railroad; 30 ft N. and 50 ft E. of centerline of rd. crossing; in field; 9 ft N. of corner fencepost; on iron post; standard cap stamped "PRIM TRAV STA NO 16 1915 352" (Reported not found, 1965)	351.083
La Center, 1.5 mi W. of, along U. S. Highway 60; 4.3 mi E. of Barlow; about 0.1 mi W. of imitation brick house on S. side of hwy.; 29 ft N. and 25 ft E. of intersection of hwy. and N.-S. graveled rd.; 44 ft SE. of S. rail of Illinois Central Railroad; in concrete post; standard tablet stamped "7 H 1926" (Tied by NGS, 1947) (Reported destroyed, 1954)	401.607
La Center; 74 ft SSE. of SE. corner of I. C. RR. station; 29 ft N. and 45 ft W. of, and 1 ft lower than intersection of U. S. Highway 60 and State Highway 358; 5 ft W. of telephone and power pole; in concrete post; standard tablet stamped "PRIM TRAV STA NO 76 M 1926" (Tied by NGS, 1947) (Not found, 1975)	373.871
Kevil, 2.3 mi W. of, along I. C. RR.; 2.7 mi NE. of La Center; 0.2 mi E. of overhead rd. crossing; 50 ft S. of tracks; in concrete post; standard tablet stamped "PRIM TRAV STA NO 75 M 1926"	397.894
Woodville, 1.0 mi E. of, thence 0.5 mi S.; 1.5 mi E. of Kevil, along I. C. RR.; 40 ft N. and 35 ft E. of intersection of rd. and I. C. RR.; in concrete post; standard tablet stamped "PRIM TRAV STA NO 74 M 1926"	440.109
Heath, 0.8 mi W. of, along I. C. RR.; 35 ft N. and 22 ft E. of intersection of I. C. RR. and Kelly Road; 47 ft S. and 10 ft W. of centerline of crossroads; in concrete post; standard tablet stamped "PRIM TRAV STA NO 73 M 1926" (Reported not found, 1954)	401.928
Slater, 1.8 mi E. of, thence 0.7 mi S.; 20 ft W. of centerline of rd. at junction of I-rd. E.; in concrete post; standard tablet stamped "PRIM TRAV STA NO 82 M 1926" (Reported destroyed, 1950)	458.889
Hinkleville, 2.3 mi S. of, thence 1.3 mi E.; 0.5 mi W. of iron bridge over Humphrey Creek; 500 ft E. of residence of J. K. Perkins; 80 ft E. of centerline of rd. at junction of I-rd. N.; in concrete post; standard tablet stamped "PRIM TRAV STA NO 81 M 1926" (Reported destroyed, 1950)	458.747
Gage, 1.7 mi NE. of, along State Highway 286; 15 ft N. and 40 ft E. of centerline of hwy. at junction of I-rd. S.; 17 ft E. of SE. corner of fencepost of picket fence around grove of oak trees; 80 ft SW. of house; in concrete post; standard tablet stamped "PRIM TRAV STA NO 80 M 1926" (Reported destroyed, 1950)	489.785
Lovelaceville, 3.3 mi NE. of; 2.4 mi SW. of Camelia; at Milan School; 30 ft N. and 20 ft W. of centerline of crossroads; 4 ft W. of fence corner; in concrete post; standard tablet stamped "PRIM TRAV STA NO 79 M 1926" (Reported destroyed, 1950)	480.183

1950

LINE 1.

Feet

By W. S. Monk, 1950; Book AV 160

Lovellaceville, 3.3 mi NW. of; 2.4 mi NE. of Gage, along State Highway 286; 50 ft S. and 100 ft W. of centerline of crossroads; 40 ft NW. of NW. corner of grocery store of Richard Hook; in concrete post; standard tablet stamped "42 WSM 1950 495" (Not found, 1975) 494.542

Reference mark; 80 ft NE. of tablet; in root on E. side of 13-in. hickory tree; rail spike 494.49

LINE 2.

By T. H. Williams, 1953; Book AV 2016

"42 WSM 1950 495" (Described in line 1) (Not found, 1975) 494.542

U. E., Lovellaceville, 3.3 mi NW. of, thence 0.5 mi W. along State Highway 286; 4 ft S. and 20 ft W. of, and level with centerline of hwy. at junction of T-rd. N.; on concrete headwall; chiseled square 490.72

Ceredo, 1.4 mi S. of, along graveled rd.; 24 ft S. of centerline of rd. at curve; 3 ft N. of fenceline; in concrete post; standard tablet stamped "TT 8 CAG 1953 469" 469.134

Reference mark; 30 ft NW. of tablet; 15 ft W. of centerline of rd. at curve; in root of 30-in. hickory tree; copper nail and washer 469.30

Ceredo, 0.8 mi N. of, along graveled rd.; at creek crossing; 3 ft E. of fenceline; in concrete post; standard tablet stamped "TT 9 CAG 1953 399" (Not found, 1975) 398.688

Reference mark; 205 ft N. of tablet; 50 ft S. and 12 ft W. of centerline of rd. at fenceline; in root of 24-in. elm tree; copper nail and washer 398.98

U. E., Ceredo, 1.3 mi N. of; 15 ft W. of, and level with centerline of rd.; in trunk of 24-in. black oak tree; rail spike 409.46

Kevil, 0.1 mi S. of Kevil School, along graveled rd., thence 1.3 mi E. along U. S. Highway 60; 162 ft E. of extended centerline of graveled rd. S. at centerline of driveway to imitation brick house; 29 ft N. of centerline of hwy.; 24 ft W. of hwy. marker; 131 ft E. of McCracken-Ballard County line marker; 1 ft S. of N. right-of-way fence; in concrete post; NGS standard triangulation station disk stamped "KEVIL 1930" 457.867

Woodville; 0.1 mi W. of grocery store and "Gulf" service station of L. W. Walker; 27 ft S. and 15 ft W. of centerline of crossroads; in concrete post; standard tablet stamped "TT 10 CAG 1953 438" (Not found, 1975) 438.208

Reference mark; 435 ft NW. of tablet; at drain crossing; on concrete headwall; chiseled square 432.31

U. E., Woodville, 0.5 mi NW. of, along State Highway 473; at drain crossing; 20 ft S. of, and 3 ft lower than centerline of rd.; on concrete headwall of culvert; chiseled square 413.70

LINE 2 (Cont'd.)Feet

U. E., Woodville, 1.0 mi NW. of, along State Highway 473; 20 ft N. of centerline of hwy. at curve; on concrete headwall of culvert; chiseled square	426.18
Woodville, 1.0 mi NW. of, along State Highway 473, thence 1.2 mi N. along dirt rd.; 11 ft N. and 7 ft W. of centerline of rd. at junction of driveway W.; in concrete post; standard tablet stamped "TI 11 CAG 1953 388" (Not found, 1975)	387.626
Reference mark; 62 ft N. of tablet; 12 ft W. of centerline of rd.; in root of tree; copper nail and washer	387.08
U. E., Woodville, 1.0 mi NW. of, along State Highway 473, thence 1.8 mi N. along dirt rd.; 15 ft N. and 25 ft W. of, and level with centerline of rd. at junction of I-rd. W.; on concrete headwall of culvert; chiseled square	369.95
U. E., Woodville, 1.0 mi NW. of, along State Highway 473, thence 2.3 mi N. along dirt rd.; at small drain crossing; 10 ft S. and 12 ft E. of, and 0.5 ft higher than centerline of rd. at fenceline W.; on concrete headwall; chiseled square	365.47
U. E., Woodville, 1.0 mi NW. of, along State Highway 473, thence 2.7 mi N. along dirt rd.; 54 ft S. and 12 ft W. of, and level with centerline of rd. at junction of S. drive of circular driveway; on concrete headwall of culvert; chiseled square	366.18
U. E., Woodville, 1.0 mi NW. of, along State Highway 473, thence 3.2 mi N. along dirt rd.; 20 ft S. and 20 ft W. of, and 0.5 ft lower than centerline of rd. at junction of I-rd. W.; on concrete headwall of culvert; chiseled square	359.51
Ragland, 1.4 mi SE. of, along State Highway 358; 0.5 mi E. of Newton Creek Church; near corner of woods; 46 ft S. and 10 ft E. of centerline of crossroads; in concrete post; standard tablet stamped "TI 87 M 1926 364"	363.905
Reference mark; 46 ft NW. of tablet; 12 ft S. and 12 ft W. of, and 2 ft higher than centerline of crossroads; on concrete headwall of culvert; chiseled square	364.04
U. E., Ragland, 0.5 mi SE. of; 16 ft N. and 30 ft E. of, and 1 ft higher than centerline of crossroads; on concrete headwall of culvert; chiseled square	363.40
Ragland; 200 ft N. of grocery store of I. L. Harper; 24 ft N. and 24 ft W. of, and 1.5 ft higher than centerline of rd. at junction of I-rd. W.; 1 ft N. and 4 ft W. of corner fence-post; in concrete post; standard tablet stamped "7 THW 1953 368" (Not found, 1978)	367.987
Reference mark; 84 ft W. of tablet; 15 ft N. of centerline of rd.; in root of 24-in. black oak tree; copper nail and washer	364.23
U. E., Ragland, 0.5 mi W. of; 15 ft S. of centerline of rd.; at top of small hill; 75 ft S. and 90 ft W. of barn of C. M. Carmel; in root of wild cherry tree; copper nail and washer	366.24
U. E., Ragland, 1.1 mi W. of; 15 ft N. and 30 ft E. of, and 0.5 ft higher than centerline of rd. at junction of I-rd. N.; on concrete headwall of bridge; chiseled square	341.50

LINE 2 (Cont'd.)Feet

Ragland, 1.1 mi W. of, along State Highway 358, thence 0.5 mi N., thence 0.4 mi W.; 140 ft SW. of Lee School; 10 ft N. and 15 ft W. of centerline of rd. at junction of T-rd. E.; in concrete post; standard tablet stamped "TT 86 M 1926 364" (Not found, 1978)	364.225
Reference mark; 103 ft NE. of tablet; 75 ft N. and 30 ft E. of centerline of rd. at curve; in root of 18-in. white oak tree; copper nail and washer	363.56
Ragland, 2.4 mi W. of, along State Highway 358, thence 0.6 mi N., thence 0.7 mi W.; 0.7 mi N. of Needmore, thence 0.6 mi E.; 15 ft N. and 28 ft E. of, and 2 ft higher than centerline of crossroads; 1 ft S. of fenceline; in concrete post; standard tablet stamped "8 THW 1953 352" (Not found, 1978)	352.329
Reference mark; 121 ft SW. of tablet; 15 ft S. and 60 ft W. of, and 1.5 ft higher than centerline of crossroads; in root of 18-in. black oak tree; copper nail and washer	350.82
U. E., Needmore, 1.1 mi N. of; 15 ft N. and 25 ft W. of, and level with centerline of rd. at junction of Y-rd.; on N. end of concrete culvert; chiseled square	329.24
Needmore, 1.1 mi N. of, along Ogden Landing Road, thence 0.7 mi W.; at SW. corner of jog in rd.; 33 ft S. and 20 ft W. of SW. corner of residence of W. L. McKinney; in concrete post; standard tablet stamped "TT 85 M 1926 360" (Not found, 1978)	360.334
Reference mark; 128 ft NW. of tablet; 12 ft N. and 24 ft W. of centerline of rd. at jog; 15 ft W. of corner fencepost N.; on concrete base of W. post of gate; chiseled square	361.82
U. E., Monkeys Eyebrow, 0.9 mi E. of, thence 1.3 mi N., thence 0.2 mi E.; 15 ft N. and 10 ft W. of, and level with centerline of rd. at junction of private drive; on concrete base of corner fencepost; chiseled square	350.63
Monkeys Eyebrow, 0.9 mi E. of, thence 0.4 mi N.; in SE. corner of yard of Graves School; 66 ft S. and 37 ft E. of E. entrance of school; in concrete post; standard tablet stamped "TT 84 M 1926 366" (Reported destroyed, 1978)	365.959
Reference mark; 162 ft N. of tablet; in root of 36-in. black oak tree; copper nail and washer	365.96
Monkeys Eyebrow; 65 ft S. and 21 ft W. of, and 2 ft lower than centerline of rd. at creek crossing; 2 ft E. of fenceline; in concrete post; standard tablet stamped "9 THW 1953 328" (Not found, 1978)	327.907
Reference mark; 97 ft NE. of tablet; 12 ft N. and 12 ft E. of center of bridge; on NE. wingwall of bridge; chiseled square	328.32
U. E., Monkeys Eyebrow, 0.5 mi NW. of; 15 ft N. of, and 1 ft lower than centerline of State Highway 473 at bend; on concrete wingwall; chiseled square	331.88

LINE 3.

By T. H. Williams, 1953; Book AV 2016

"TT 11 CAG 1953 388" (Described in line 2) 387.626

LINE 3 (Cont'd.)Feet

Ingleside; 45 ft S. and 45 ft W. of, and 2 ft lower than centerline of State Highway 473 at curve; 60 ft SW. of grocery store of Lenard Greif; in concrete post; standard tablet stamped "10 THW 1953 382"	381.451
Reference mark; 34 ft W. of tablet; in root on N. side of 30-in. maple tree; copper nail and washer	382.29
U. E., Ingleside, 0.5 mi W. of, along State Highway 473; 15 ft S. and 20 ft W. of, and level with centerline of hwy. at junction of I-rd. S.; on concrete headwall of culvert; chiseled square	384.20
U. E., Ingleside, 1.1 mi NW. of, along State Highway 473; at drain crossing; 20 ft S. of centerline of rd.; on concrete headwall of culvert; chiseled square	383.65
Ingleside, 1.3 mi NW. of, along State Highway 473, thence 1.0 mi SW.; 1.7 mi S. of Bandana, along State Highway 358, thence 1.3 mi SE.; 34 ft S. and 18 ft W. of, and 1 ft higher than centerline of crossroads; 1 ft E. of fence line; in concrete post; standard tablet stamped "11 THW 1953 402" (Not found, 1975)	401.571
Reference mark; 41 ft NE. of tablet; at SE. corner of crossroads; on concrete headwall of culvert; chiseled square	401.63
U. E., Bandana, 2.1 mi S. of; at small drain crossing; 210 ft S. and 15 ft W. of centerline of State Highway 358 at fence crossing; on concrete headwall of culvert; chiseled square	392.18
La Center, 3.0 mi N. of, along State Highway 358, thence 0.5 mi NW.; 2.3 mi S. of Bandana, thence 0.5 mi NW.; 20 ft S. and 24 ft E. of, and 1.5 ft higher than centerline of rd. at junction of I-rd. S.; 3 ft E. of corner fencepost; at fence line; in concrete post; standard tablet stamped "12 THW 1953 369" (Not found, 1975)	369.240
Reference mark; 55 ft NW. of tablet; 12 ft N. and 30 ft W. of centerline of rd. at junction of I-rd. S.; in root on S. side of 18-in. elm tree in fence line; copper nail and washer	370.37
Oscar, 2.0 mi SE. of, thence 0.9 mi NE.; 0.5 mi SE. of sawmill; at SW. corner of I-rd. SW.; 1 ft S. and 5 ft W. of corner fencepost; in concrete post; standard tablet stamped "11 N 1926" (Not found, 1978)	390.365
Reference mark; 56 ft E. of tablet; 16 ft S. of centerline of rd.; 45 ft E. of fence corner; 3 ft S. of fence line; in root on E. side of twin elm tree; copper nail and washer	389.94
[Jogs into Cairo quadrangle]	
U. E., Oscar, 1.8 mi NE. of, thence 0.4 mi SE.; at junction of V-rd.; 15 ft S. and 15 ft W. of, and 2 ft higher than centerline of rd. over Bone Branch; on concrete headwall of bridge; chiseled square	342.76

1953

LINE 4.

Feet

By T. H. Williams, 1953; Book AV 2016

"TI 11 CAG 1953 388" (Described in line 2)	387.626
Woodville, 2.2 mi NE. of, along State Highway 725; 24 ft S. and 24 ft W. of, and 1 ft higher than centerline of rd. at junction of I-rd. W.; in concrete post; standard tablet stamped "14 THW 1953 391"	390.765
Reference mark; 38 ft NW. of tablet; 12 ft N. and 30 ft E. of centerline of State Highway 725 at junction of I-rd. W.; in root on S. side of 8-in. black oak tree; copper nail and washer	388.92
Woodville, 2.5 mi NE. of, along State Highway 725, thence 1.2 mi E., thence 0.2 mi N., thence 0.6 mi E.; 18 ft N. and 33 ft W. of, and 1.5 ft higher than centerline of rd. at junction of I-rd.; in concrete post; standard tablet stamped "15 THW 1953 371" (Reported not found, 1954)	371.335
Reference mark; 71 ft SW. of tablet; 12 ft S. and 510 ft W. of centerline of rd. at junction of I-rd.; in root on NE. side of 10-in. ironwood tree; copper nail and washer	372.59
U. E., Grahamville, 0.3 mi N. of, along State Highway 305, thence 2.3 mi NW.; 21 ft S. and 290 ft W. of, and 1.5 ft lower than centerline of rd. opposite NW. fence corner of Atomic Energy Commission; on concrete culvert; chiseled square	367.52
Grahamville, 0.3 mi N. of, along State Highway 305, thence 1.2 mi NW., along State Highway 358; 30 ft S. and 120 ft E. of, and 2 ft higher than centerline of hwy. at junction of I-rd. S.; in concrete post; standard tablet stamped "16 THW 1953 377" (Reported not found, 1954)	376.726
Reference mark; 260 ft E. of tablet; 12 ft S. and 380 ft E. of centerline of State Highway 358 at junction of I-rd. S.; in root on N. side of 24-in. black oak tree; copper nail and washer	374.97
U. E., Grahamville, 0.3 mi N. of, along State Highway 305, thence 0.5 mi NW.; at creek crossing; 12 ft N. of center of bridge; on concrete abutment; chiseled square	359.57
Grahamville, 0.9 mi N. of, along State Highway 305, thence 0.3 mi E.; 12 ft S. of centerline of rd. at first right-angle curve; 200 ft SE. of frame house; in concrete post; Tennessee Valley Authority standard disk stamped "MLB 1505" (Not found, 1975)	371.525
Grahamville, 0.9 mi N. of, along State Highway 305, thence 0.4 mi E.; 15 ft NW. of centerline of rd. at right-angle curve; 180 ft NE. of frame house; in concrete post; T. V. A. standard disk stamped "MLB 1504" (Reported not found, 1954)	369.626
Grahamville, 0.9 mi N. of, along State Highway 305, thence 0.8 mi E.; 0.8 mi W. of Chiles; at sharp bend N. in rd.; 30 ft S. of centerline of graveled rd.; 5 ft W. of centerline of woods rd.; 130 ft SW. of barn; in concrete post; T. V. A. standard disk stamped "MLB 1503" (Not found, 1975)	367.234

1953

LINE 5.

Feet

By T. H. Williams, 1953; Book AV 2016

- Slater, 0.3 mi E. of, thence 0.7 mi S., thence 0.7 mi E.; 1.9 mi S. of Antioch Baptist Church thence 0.7 mi W.; 13 ft N. and 13 ft E. of center of steel and wooden bridge; 6 ft S. of triangular-blazed twin elm tree; in concrete post; standard tablet stamped "TI 21 TWC 1950 419" (Not found, 1975) 418.658
- Reference mark; 99 ft E. of tablet; 10 ft S. and 100 ft E. of, and level with center of bridge; in root on N. side of 16-in. elm tree; copper nail and washer 420.03
- Hinkleville, 2.8 mi S. of, thence 0.6 mi W.; 2.5 mi W. of Gage, along State Highway 286, thence 1.1 mi N., thence 0.5 mi W.; at right-angle curve in rd.; 8 ft S. of 24-in. twin oak tree; in concrete post; standard tablet stamped "TI 20 TWC 1950 467" (Not found, 1975) 466.624
- Reference mark; 235 ft E. of tablet; on S. side of E.-W. rd.; 12 ft S. of centerline of rd.; in root on N. side of 16-in. elm tree in fence line; copper nail and washer 460.50
- Hinkleville, 2.4 mi S. of, thence 1.3 mi E.; 20 ft N. and 19 ft E. of centerline of rd. at junction of I-rd. N.; 1 ft NW. of mailboxes; in concrete post; standard tablet stamped "TI 19 TWC 1950 458" 457.930
- Reference mark; 90 ft SE. of tablet; 20 ft S. and 120 ft E. of centerline of rd. at junction of I-rd. N.; in root on N. side of 16-in. maple tree; copper nail and washer 458.10
- U. E., Hinkleville, 2.4 mi S. of, thence 2.2 mi E.; 20 ft S. and 12 ft W. of centerline of rd. at junction of driveway to residence of O. G. Russell; on concrete culvert; chiseled square 426.56
- Hamburg, 0.8 mi W. of crossroads, along State Highway 286, thence 1.2 mi W. along graveled rd.; 18 ft NE. of centerline of rd.; 3 ft SW. of 24-in. oak tree; at entrance to gap into field; in concrete post; standard tablet stamped "TI 18 TWC 1950 477" 477.072
- Reference mark; 440 ft SW. of tablet; in yard of J. H. Davis; 45 ft N. and 30 ft W. of centerline of rd. at junction of S. driveway; in root on E. side of 12-in. hickory tree; copper nail and washer 477.90
- U. E., Gage, 1.8 mi NE. of, along State Highway 286; 14 ft S. and 20 ft W. of, and level with centerline of hwy. at junction of I-rd. N.; on concrete headwall of culvert; chiseled square 490.70
- "42 WSM 1950 495" (Described in line 1) (Not found, 1975) 494.542
- U. E., Gage, 2.9 mi NE. of, along State Highway 286, at small drain crossing; 20 ft S. of centerline of hwy.; on concrete headwall of culvert; chiseled square 480.79
- U. E., Gage, 3.5 mi NE. to, along State Highway 286; at drain crossing; 25 ft N. of, and 1.5 ft lower than centerline of hwy.; on concrete headwall of culvert; chiseled square 456.88
- Gage, 4.1 mi NE. of, along State Highway 286; at drain crossing; 25 ft S. of centerline of hwy.; in concrete headwall of culvert; standard tablet stamped "I3 THW 1953 463" 462.862
- Reference mark; 486 ft W. of tablet; 25 ft S. of, and 2 ft lower than centerline of hwy. at drain crossing; on concrete headwall of culvert; chiseled square 458.30

LINE 5 (Cont'd.)Feet

- U. E., Camelia, 1.9 mi SW. of; 25 ft S. of, and 3 ft lower than centerline of State Highway 286 at drain crossing; on concrete headwall of culvert; chiseled square 450.69
- Camelia, 1.1 mi W. of, along U. S. Highway 62; about 0.4 mi E. of junction of Highway 62 and State Highway 286; 22 ft N. and 14 ft W. of centerline of crossroads; 15 ft SE. of powerline crossing; in concrete post; standard tablet stamped "TT 17 TWC 1950 467" (Not found, 1975) 466.690
- Reference mark; 172 ft S. of tablet; 150 ft S. and 4 ft E. of, and 3 ft higher than centerline of crossroads; in root on SW. side of 18-in. walnut tree; copper nail and washer 470.50
- U. E., Massac, 3.0 mi W. of, along graveled rd.; 12 ft S. and 210 ft E. of centerline of rd. at junction of T-rd. N.; 5 ft N. and 10 ft W. of, and 0.5 ft higher than center of bridge; on concrete headwall of bridge; chiseled square 424.56
- U. E., Massac, 2.5 mi W. of, along graveled rd.; 15 ft S. and 10 ft W. of, and 0.5 ft lower than centerline of rd. at junction of driveway to residence of L. T. Rider; on concrete culvert; chiseled square 446.29
- Massac, 2.1 mi W. of, along graveled rd.; 1 ft N. and 28 ft W. of centerline of rd. at junction of T-rd. N.; 25 ft N. of center of concrete bridge; in concrete post; standard tablet stamped "TT 16 TWC 1950 406" (Not found, 1975) 406.444
- Reference mark; 31 ft SW. of tablet; 6 ft S. of center of bridge; on concrete headwall; chiseled square 405.89
- U. E., Massac, 1.6 mi W. of, along graveled rd.; at RR. underpass; 20 ft S. and 10 ft E. of centerline of rd. at RR. crossing; on concrete headwall of bridge; chiseled square 393.65

LINE 6.

By G. Sandul, 1965, Book CV 1816

- U. E., Joppa, 2.5 mi NW. of; near 1/4 corner between sections 2 and 3, T. 15 S., R. 3 E.; 141 ft N. along rd. from center of Y-rd. S.; 21 ft normal and on E. side of rd.; 2.4 ft lower than center of Y-rd.; on E. end concrete culvert; chiseled square 355.88
- Joppa, 1.7 mi N. of along rds.; near center SW 1/4 section 2, T. 15 S., R. 3 E.; 43 ft N. and 59 ft E. of, and 3.9 ft lower than center of crossing of C. & E. I. RR. and E.-W. graveled rd.; 11 ft E. of concrete RR. right-of-way post; in concrete post; standard tablet stamped "29 SAM 1964 353" 352.975
- Reference mark, 103 ft SW. of tablet, 26 ft S. and 26 ft W. of center of rd. at RR. crossing; on S. end easternmost one of two concrete culverts, chiseled square 352.49
- U. E., Jopps, 1.7 mi N. of, along rds., thence 0.7 mi E. along graveled rd.; near S. 1/16 corner between sections 1 and 2, T. 15 S., R. 3 E.; 34 ft SW. along rd. from center of Y-rd. S.; 24 ft normal and on NW. side of rd.; 2.1 ft lower than center of Y-rd.; in N. side 7 in. elm tree; rail spike 401.87
- U. E., Jopps, 1.7 mi N. of, along rds., thence 1.75 mi E. along graveled rd.; about near S. 1/16 corner between sections 1 and 6, T. 15 S., Rs. 3 and 4 E.; 23 ft SE. along rd. from center of crossroads; 10 ft normal and on NE. side of rd.; 0.9 ft lower than center of crossroads; on SE. end concrete culvert; chiseled square 352.02

LINE 6 (Cont'd.)Feet

- U. E., Joppa, 1.7 mi N. of, along rds., thence 1.75 mi E. of, along graveled rd., thence 0.45 mi NNE. along graveled rd.; at junction of U. S. Highway 45; in W 1/2 section 6, T 15 S., R. 4 E.; 108 ft W. along rd. from center of crossroads; 46 ft normal and on N. side of rd.; 3 ft lower than center of crossroads; on N. end of corrugated steel culvert; punched hole 343.15
- Reference mark; 44 ft SW. of tablet; 14 ft N. and 8 ft W. of center rd. at field rd. N.; on W. end concrete culvert; chiseled square 348.09
- Vienna, 12.0 mi S. and 5.0 mi E. of; 0.25 mi S. and 3.5 mi W. of Round Knob, near 1/4 corner between sections 5 and 6, T. 15 S., R. 4 E.; at SW. corner of wooded area; 42 ft N. and 28 ft E. of, and 0.1 ft lower than center of rd. at field rd. N.; 10 ft NW. of 32-in. oak tree; in concrete post; standard tablet stamped "30 SAN 1964 349" (Not found, 1978) 348.978
- U. E., 0.55 mi E. of tablet along graveled rd.; near center of sections 5, T. 15 S., R. 4 E.; 21 ft N. and 19 ft W. of, and 1.4 ft lower than center of crossroads; on W. end concrete culvert; chiseled square 365.38

LINE 7.

By G. Sandul, 1965, Book CV 1816

- U. E., Hillerman, 1.6 mi W. of, along macadam rd.; in N 1/2 section 6, T. 15 S., R. 3 E.; at junction of E.-W. blacktop rd.; in center of T-rd. N., top of RR. spike 464.86
- U. E., Hillerman, 1.2 mi W. of, along macadam rd.; thence 0.45 mi E. along macadam rd.; about near 1/4 corner between sections 5 and 6, T. 15 S., R. 3 E.; 36 ft S. and 24 ft W. of, and 2.4 ft lower than center of crossroads; on S. end concrete culvert; chiseled square 382.61
- U. E., Hillerman, 0.6 mi NW. of, along macadam rd.; near center of section 5, T. 15 S., R. 3 E. 24 ft N. and 11 ft E. of, and 2 ft lower than center of rd. at drive N.; on E. end concrete culvert; chiseled square 471.65
- U. E., Hillerman, 0.1 mi NW. of, along macadam rd.; near S. 1/16 corner between sections 4 and 5, T. 15 S., R. 3 E.; 242 ft N. and 26 ft W. of, and 6.9 ft lower than center of Y-rd. N.; on W. end concrete culvert; chiseled square (Reported destroyed, 1966) 384.43
- Reference mark No. 1; 112 ft S. of tablet; 143 ft S. and 28 ft W. of center of T-rd. E.; on top of right-of-way post; chiseled square 485.01
- Reference mark No. 2; 28 ft NE. of tablet; 28 ft normal and on W. side of center of T-rd. E.; on top of right-of-way post; chiseled square 488.42
- Karnak, 3.2 mi S. and 4.5 mi E. of; near cor. secs. 4, 5, 32, and 33, Tps. 14 and 15 S., R. 3 E.; 27 ft S. and 37 ft W. of, and 1.5 ft lower than centerline of T-rd. E.; 5 ft S. and 7 ft W. of fence corner; 3 ft E. of telephone pole; in concrete post; standard tablet stamped "8 SAN 1965 486" 485.665

LINE 7 (Cont'd.)Feet

U.E., 0.5 mi E. of tablet, along graveled rd.; near 1/4 cor. between secs. 4 and 33, Tps. 14 and 15 S., R. 3 E.; 20 ft N. and 19 ft W. of, and 2.2 ft lower than center of T-rd. N.; on W. end of concrete culvert; chiseled square

378.63

U.E., 1.0 mi E. of tablet, along graveled rd.; near cor. secs. 3, 4, 33, and 34, Tps. 14 and 15 S., R. 3 E.; at small drain; 22 ft normal and on N. side of, and 1.6 ft lower than center of rd. at drain; on N. end of concrete culvert; chiseles square

364.28

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

37-088-33
LA CENTER QUADRANGLE
81 KY.-3 ILL.
N3700-W8845/15
DIAGRAM NJ 16-7
PADUCAH

Ballard and McCracken Counties, Kentucky;
Massac and Pulaski Counties, Illinois

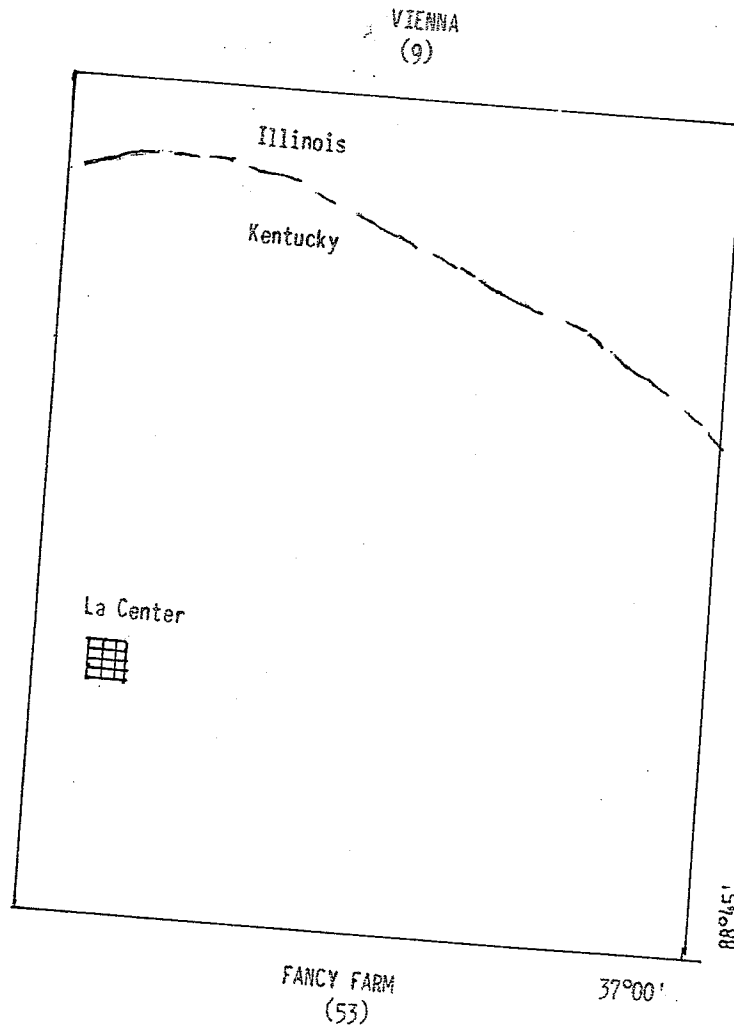
Edition of 12/15/77

PR: CRV/rmm

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch

Plane coordinates are based on Lambert projection,
Kentucky, South Zone, and transverse Mercator
projection, Illinois, East Zone

CAIRO
(KY. 82- ILL. 4)



81 KY.-3 ILL.
LA CENTER QUADRANGLE

37-088-33
N3700-w8845/15

MARK (USGS)

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PTS NO 75 M 1926	3
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PTS NO 80 M 1926	4
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DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

81 KY.-3 ILL.
LA CENTER QUADRANGLE

37-088-33

3

STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By S. H. Moyers, 1926; Books C7826, C7829, C7836

Heath, 0.8 mi W. of; 35 ft N. and 22 ft E. of centerline of Kelly Road at I.C. RR. crossing; 47 ft S. and 10 ft W. of crossroads; in concrete post; standard tablet stamped "PRIM TRAV STA NO 73 M 1926" (Not found, 1954)	X = 1,108,257 Y = 287,746	37 05 02.54	88 48 27.14
Woodville, 0.5 mi S. of, thence 1.0 mi E.; 1.5 mi E. of Kevil, along I.C. RR.; 40 ft N. and 35 ft E. of crossing; in concrete post; standard tablet stamped "PRIM TRAV STA NO 74 M 1926"	X = 1,093,167 Y = 288,477	37 05 04.90	88 51 33.57
Kevil, 2.3 mi W. of; 2.7 mi NE. of La Center; 0.2 mi E. of overhead crossing; 50 ft S. of RR.; in concrete post; standard tablet stamped "PRIM TRAV STA NO 75 M 1926"	X = 1,073,401 Y = 289,308	37 05 06.61	88 55 37.72
La Center; 74 ft SSE. of SE. corner of I. C. RR. station; 29 ft N. and 45 ft W. of, and 1 ft lower than intersection of U. S. Highway 60 and State Highway 358; 5 ft W. of telephone and power pole; in concrete post; standard tablet stamped "PRIM TRAV STA NO 76 M 1926" (Not found, 1975)	X = 1,059,491 Y = 285,112	37 04 20.49	88 58 27.52
La Center, 1.5 mi W. of, along U. S. Highway 60; 4.3 mi E. of Barlow; about 0.1 mi W. of imitation brick house on S. side of hwy.; 29 ft N. and 25 ft E. of intersection of hwy. and N.-S. graveled rd.; 44 ft SE. of S. rail of I. C. RR.; in concrete post; standard tablet stamped "7 H 1926" (Reported destroyed, 1954)	X = 1,051,963 Y = 282,734	37 03 54.44	88 59 59.34
Oscar, 2.0 mi SE. of, thence 0.9 mi NE.; 0.5 mi SE. of sawmill; in SW. corner of T-rd. SW.; 1 ft S. and 5 ft W. of corner fencepost; in concrete post; standard tablet stamped "H 11 1926" (Not found, 1978)	X = 1,055,024 Y = 305,203	37 07 37.52	88 59 31.11
Monkeys Eyebrow, 0.9 mi E. of, thence 0.4 mi N.; 66 ft S. and 37 ft E. of E. entrance to Grave School; in SE. corner of schoolyard; in concrete post; standard tablet stamped "TT STA NO 84 M 1926 360" (Reported destroyed, 1978)	X = 1,054,753 Y = 328,593	37 11 28.57	88 59 44.37
Needmore, 1.1 mi N. of, along Ogden Landing Road, thence 0.7 mi W.; in SW. corner of jog in rd.; 33 ft S. and 20 ft W. of SW. corner of residence of W. L. McKinney; in concrete post; standard tablet stamped "TT STA NO 85 M 1926 360" (Not found, 1978)	X = 1,066,446 Y = 330,294	37 11 49.32	88 57 20.66

81 KY.-3 ILL.
LA CENTER QUADRANGLE

37-088-33
4

STATION DESCRIPTION
PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

OBSOLETE MARKS (Cont'd.)

STATION	DESCRIPTION	PLANE COORDINATES, FEET	LATITUDE ° ' "	LONGITUDE ° ' "
	Ragland, 1.1 mi W. of, along State Highway 358, thence 0.5 mi N., thence 0.4 mi W.; 140 ft SW. of Lee School; 10 ft N. and 15 ft W. of centerline of rd. at junction of I-rd. E.; in concrete post; standard tablet stamped "TT STA NO 86 M 1926 364" (Not found, 1978)	X = 1,078,879 Y = 323,645	37 10 47.76	88 54 44.33
	Rossington, 2.2 mi NE. of; 850 ft N. of residence of G. L. Duncan; 30 ft N. and 30 ft E. of centerline of rd. at junction of I-rd. SE.; in concrete post; standard tablet stamped "TT STA NO 88 M 1926"	X = 1,109,033 Y = 311,559	37 08 58.13	88 48 27.08
	Lovellaceville, 3.3 mi NE. of; 2.4 mi SW. of Camelia; 30 ft N. and 20 ft W. of crossroads at Milan School; 4 ft W. of fence corner; in concrete post; standard tablet stamped "PRIM TRAV STA NO 79 M 1926" (Reported destroyed, 1950)	X = 1,105,421 Y = 261,630	37 00 43.54	88 48 51.67
	Gage, 1.7 mi NE. of, along State Highway 286; 15 ft N. and 40 ft E. of centerline of rd. at junction of I-rd. S.; 17 ft E. of SE. corner fencepost of picket fence around oak grove; 80 ft SW. of house; in concrete post; standard tablet stamped "PRIM TRAV STA NO 80 M 1926" (Reported destroyed, 1950)	X = 1,090,529 Y = 259,576	37 00 18.42	88 51 54.35
	Hinkleville, 2.3 mi S. of, thence 1.3 mi E.; 0.5 mi W. of iron bridge over Humphrey Creek; 500 ft E. of residence of J. K. Perkins; 80 ft E. of centerline of rd. at junction of I-rd. N.; in concrete post; standard tablet stamped "PRIM TRAV STA NO 81 M 1926" (Reported destroyed, 1950)	X = 1,077,053 Y = 262,623	37 00 44.11	88 54 41.65
	Slater, 1.8 mi E. of, thence 0.7 mi S.; 20 ft W. of centerline of rd. at junction of I-rd. E.; in concrete post; standard tablet stamped "PRIM TRAV STA NO 82 M 1926" (Reported destroyed, 1950)	X = 1,063,455 Y = 259,463	37 00 08.35	88 57 27.89
	By T. W. Cayce, 1950; Book AH 176			
	Massac, 2.1 mi W. of, along graveled rd. to I-rd.; 1 ft N. and 28 ft W. of centerline of rd. at junction of I-rd. N.; 25 ft N. of center of concrete bridge; in concrete post; standard tablet stamped "TT 16 TWC 1950 406" (Not found, 1975)	X = 1,119,734 Y = 259,867	37 00 30.67	88 45 54.59

81 KY.-3 ILL.
LA CENTER QUADRANGLE

37-088-33
5

STATION DESCRIPTION
PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

OBSOLETE MARKS (Cont'd.)

Camelia, 1.2 mi W. of post office, along U. S. Highway 62 to crossroads; about 0.4 mi E. of intersection of Highway 62 and State Highway 286; 22 ft N. and 14 ft W. of crossroads; 15 ft SE. of powerline pole; in concrete post; standard tablet stamped "TI 17 TWC 1950 467" (Not found, 1975)

X = 1,111,580

Y = 263,566

37 01 04.64

88 47 36.54

Lovellaceville, 3.3 mi N. of; 2.5 mi SE. of Gage by way of State Highway 266; 50 ft S. and 100 ft W. of crossroads; 40 ft NW. of NW. corner of grocery store of Richard Hooks; in concrete post; standard tablet stamped "42 WSM 1950 495" (Not found, 1975)

X = 1,094,183

Y = 259,409

37 00 17.96

88 51 09.26

Hamburg, 0.8 mi W. of crossroads, along State Highway 286, thence 1.2 mi W. along graveled rd.; 18 ft NE. of centerline of rd.; 3 ft SW. of 24-in. oak tree; at entrance to gap into field; in concrete post; standard tablet stamped "TI 18 TWC 1950 477"

X = 1,086,344

Y = 262,605

37 00 46.99

88 52 47.15

Hinkleville, 2.4 mi S. of, thence 1.3 mi E.; 20 ft N. and 19 ft E. of centerline of rd. at junction of I-rd. N.; 1 ft NW. of mailboxes; in concrete post; standard tablet stamped "TI 19 TWC 1950 458"

X = 1,077,005

Y = 262,644

37 00 44.30

88 54 42.25

Hinkleville, 2.8 mi S. of, thence 0.6 mi W.; 2.5 mi W. of Gage, along State Highway 286, thence 1.1 mi N., thence 0.5 mi W.; at right-angle curve in rd.; 30 ft NW. of centerline of rd.; 12 ft SW. of 6-in. twin oak tree; 8 ft S. of 24-in. oak tree with triangular blaze; in concrete post; standard tablet stamped "TI 20 TWC 1950 467" (Not found, 1975)

X = 1,067,830

Y = 260,504

37 00 20.10

88 56 34.42

Slater, 0.3 mi E. of, thence 0.7 mi S., thence 0.7 mi E.; 1.9 mi S. of Antioch Baptist Church, along graveled rd. to I-rd. W., thence 0.7 mi W. to steel and wooden bridge; 13 ft N. and 13 ft E. of center of bridge; 6 ft S. of twin elm tree with triangular blaze; in concrete post; standard tablet stamped "TI 21 TWC 1950 419" (Not found, 1975)

X = 1,059,716

Y = 260,296

37 00 15.32

88 58 14.31

By C. A. Gridley, 1953; Book AH 2010

Ceredo, 1.4 mi S. of, along graveled rd.; 24 ft S. of centerline of rd. at curve; 3 ft N. of fence; in concrete post; standard tablet stamped "TI 8 CAG 1953 469"

X = 1,090,554

Y = 267,561

37 01 37.34

88 51 57.29

STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE ° ' "	LONGITUDE ° ' "
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OBSOLETE MARKS (Cont'd.)

Cerado, 0.8 mi N. of, along graveled rd.; at creek crossing; 3 ft E. of fence; in concrete post; standard tablet stamped "TT 9 CAG 1953 399" (Not found, 1975)

Ky. S.)	X = 1,090,004 Y = 277,007	37 03 10.52	88 52 07.91
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Woodville, 0.1 mi W. of grocery store and service station owned by L. W. Walker; 27 ft S. and 45 ft W. of crossroads; in concrete post; standard tablet stamped "TT 10 CAG 1953 438" (Not found, 1975)

	X = 1,088,166 Y = 293,324	37 05 51.17	88 52 37.24
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Woodville, 1.0 mi NW. of, along State Highway 473, thence 1.2 mi N. along dirt rd.; 11 ft N. and 7 ft W. of centerline of rd. at drive W.; in concrete post; standard tablet stamped "TT 11 CAG 1953 388" (Not found, 1975)

	X = 1,085,765 Y = 301,589	37 07 12.07	88 53 10.24
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Ragland, 1.2 mi SE. of, along State Highway 358; 0.5 mi E. of Newton Creek Church; 46 ft S. and 10 ft E. of crossroads; near corner of timber; in concrete post; standard tablet stamped "TT STA NO 87 M 1926 364"

	X = 1,090,954 Y = 313,611	37 09 12.57	88 52 11.11
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Woodville, 0.1 mi W. of grocery store and service station owned by L. W. Walker, thence 1.0 mi W. along State Highway 473, thence 5.8 mi along dirt rd. to junction of rd. E.; 6 ft N. and 17 ft W. of centerline of rd. at junction; in concrete post; standard tablet stamped "TT 12 CAG 1953" (Not found, 1978)

	X = 1,089,911 Y = 322,964	37 10 44.65	88 52 27.80
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Joppa, 0.7 mi E. of, along hwy. to junction of rd. N.; 17 ft N. of centerline of rd.; 15 ft E. of rd. junction; in concrete post; standard tablet stamped "TT 13 CAG 1953"

	X = 1,102,991 Y = 332,475	37 12 22.90	88 49 50.09
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Graves County, Kentucky (Ortho)

CH-3564

Swift-Hale-Milero

GPS
PP Ties

Station Description	Plane Coordinates		Latitude ° ' "	Longitude ° ' "
	X	Y		
1& Rd @ Drive East Photo 284-153 KY-S	1,155,238.497	67,314.841	Palmersville 7½' 36 28 58.56116	185 TN 88 37 24.86891
2& Centerline X-rds Photo 320-119 KY-S	1,191,506.588	121,015.569	Farmington 7½' 36 38 00.00241	24 KY 88 30 20.16578
3& Centerline T-rd North Photo 284-135 KY-S	1,226,383.365	68,591.459	Cottage Grove 7½' 36 29 31.67312	184 TN 88 22 54.54235
4& Rd @ Drive East Photo 284-139 KY-S	1,232,595.102	162,417.414	Dexter 7½' 36 45 00.77825	51 KY 88 22 10.35884
5& Centerline T-rd South Photo 284-143 KY-S	1,235,401.585	254,922.765	Calvert City 7½' 37 00 15.89588	79 KY 88 22 07.39003
6& Centerline T-rd North Photo 272-11 KY-S	1,129,774.497	261,895.497	Paducah West 7½' 37 00 53.86366	80 KY 88 43 51.65722
7& Centerline T-rd North Photo 268-227 KY-S	1,091,477.313	259,526.181	Heath 7½' 37 00 18.23919	81 KY 88 51 42.64327
8& Centerline T-rd SSE Photo 320-121 KY-S	1,161,947.709	165,388.243	West Plains 7½' 36 45 09.88302	52 KY 88 36 39.11582
9& Centerline T-rd South Photo 36-61 KY-S	1,088,798.963	76,592.589	Water Valley 7½' 36 30 09.48626	25 KY 88 51 01.64575