

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

37-087-34
PROVIDENCE QUADRANGLE
106 KENTUCKY
N3715-W8745/15
DIAGRAM NJ 16-8
EVANSVILLE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

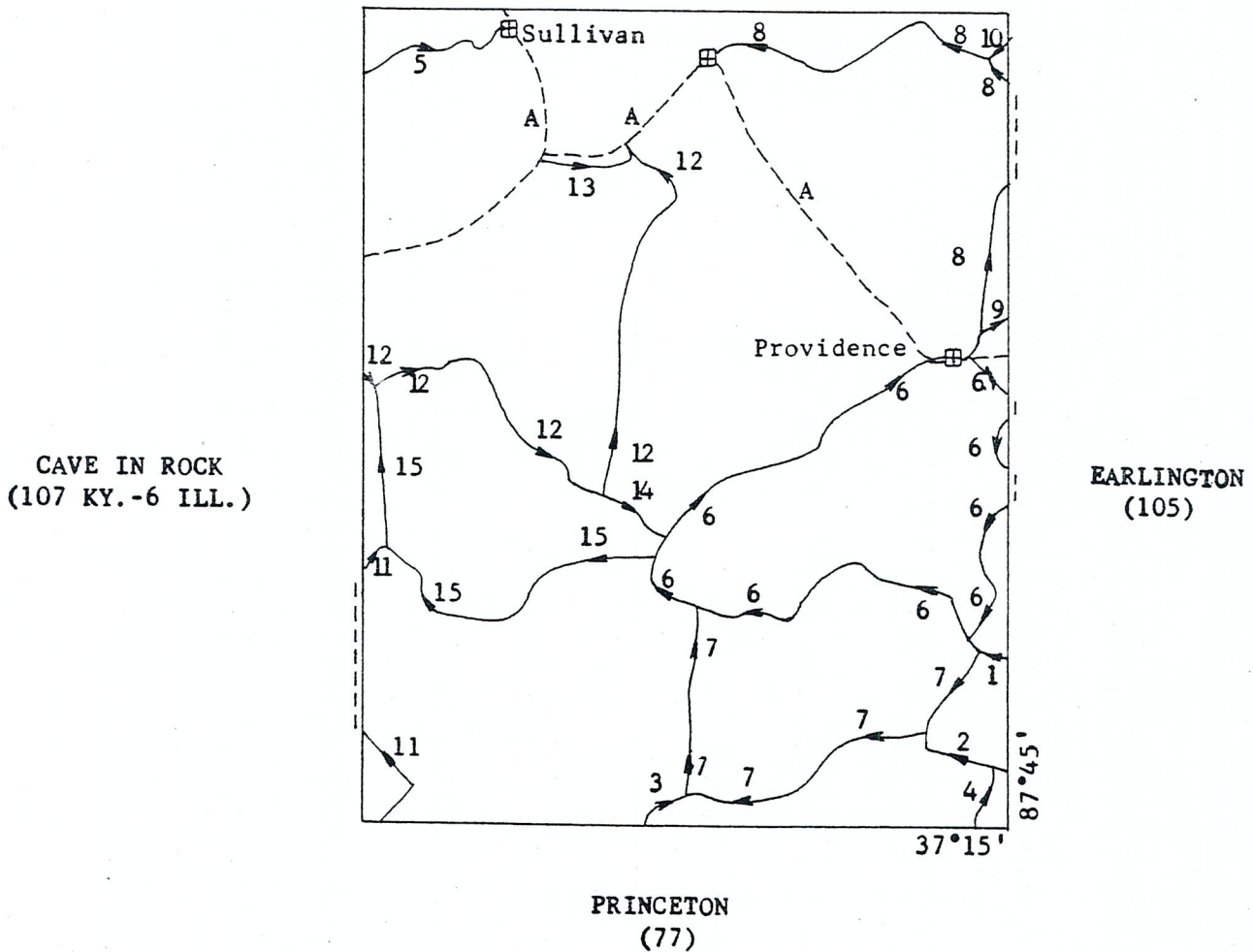
Caldwell, Crittenden, Hopkins, Union
and Webster Counties, Kentucky

Final adjustment of 1972

Edition 8/12/74

PR: CRV/sws

MORGANFIELD
(134)



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370873

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ISOLATED BENCH MARKS (By R. P. Thompson, 1906; Book A6590; H. W. Peabody, 1907; Book A7217; E. C. Bibee, 1908; Book A7665; and W. H. Monahan, 1908; Book A7436)	<u>Feet</u>
Sullivan; 2 ft N. of front steps to Munn Brothers Store; in W. side of sandstone post; standard tablet stamped "382"	382.132
Sullivan; in N. corner of frontyard of residence of John McGraw; in sandstone post; standard tablet stamped "PRIM TRAV STA NO 10 1906 395 ADJ 1903" (Reported not found, 1952)	394.786
Blackford, 0.2 mi SW. of station, along Illinois Central Railroad; 11 ft NW. of, and 5 ft higher than NW. rail of track; at NE. end of bridge over Tradewater River; in NW. end of first pier; standard tablet stamped "363.499" (As reset to replace "362")	363.487
Nunn, 0.3 mi SW. of, along I. C. RR.; 200 ft N. of rd. crossing; 100 ft E. of bridge; in sandstone rock; standard tablet stamped "382"	381.636
Repton, 2.8 mi NE. of, along I. C. RR.; 31 ft W. of W. rail of track; 300 ft W. of N. switch stand; in rock ledge; standard tablet stamped "444 ADJ 1903"	443.978
Wheatcroft; 88 ft E. of RR. bridge; 83 ft W. of store opposite station; on iron post; standard cap stamped "376 ADJ 1903" (Reported destroyed, 1952)	374.556
Clay, 3.2 mi SE. of, along Louisville and Nashville Railroad; in W. concrete abutment of retaining wall; standard tablet stamped "374 ADJ 1903" (Reported not found, 1952)	372.754
Providence; at NE. corner of store of T. B. Payne; in face of fence wall of residence of T. B. Payne; standard tablet stamped "453 ADJ 1903" (Reported destroyed, 1936)	450.988
Dalton; 3 ft N. of center of front of school building; on iron post; standard cap stamped "PRIM TRAV STA NO 18 1906 438 ADJ 1903" (Reported destroyed, 1954)	436.222
Quinn, 0.7 mi SE. of; at bridge over Donaldson Creek; in NE. abutment standard tablet stamped "372 ADJ 1903"	370.613
Quinn, 2.2 mi W. of; 18 ft from SW. corner of Walnut School; 24 ft NE. of black walnut tree; on iron post; standard cap stamped "PRIM TRAV STA NO 17 1906 588 ADJ 1903" (Reported not found, 1954)	586.322

ISOLATED BENCH MARKS (Cont'd.)Feet

Creswell, 1.7 mi W. of; 8 ft S. and 100 ft E. of centerline of rd. at junction of three rds.; 400 ft W. of Pleasant Hill Log Church; in ledge of rocks; standard tablet stamped "417 ADJ 1903" (Reported destroyed, 1954) 416.631

Tribune; 31 ft W. of SE. corner of crossroads; 12 ft S. of tree; 4 ft N. of fenceline; in ledge of rocks; standard tablet stamped "431 ADJ 1903" (Reported not found, 1954) 430.311

LINE 1.

W. W. Tilton, 1953; Book AV 2018

Dalton; 21 ft N. and 50 ft E. of, and 2 ft higher than centerline of rd. at junction of State Highway 291 S.; 80 ft W. of NW. corner of building; in concrete post; standard tablet stamped "14 WWT 1953 405" 404.664

LINE 2.

W. W. Tilton, 1953; Book AV 2018

U.E., Beulah, 4.6 mi W. of; 15 ft N. and 15 ft W. of, and 1 ft higher than centerline of State Highway 70 at junction of driveway N.; on N. end of concrete culvert; chiseled square 420.36

Beulah, 5.9 mi W. of, along State Highway 70; 2.3 mi SW. of Dalton along State Highway 291; 40 ft N. and 30 ft W. of, and level with centerline of Highway 291 at junction of Highway 70 W.; in concrete post; standard tablet stamped "20 WLW 1953" 385.620

LINE 3.

W. W. Tilton, 1953; Book AV 2018

U.E., Fryer, 3.9 mi SW. of; 14 ft N. of centerline of State Highway 70; on N. end of concrete culvert; chiseled square 385.42

U.E., Fryer, 3.5 mi SW. of; 15 ft N. of, and 1 ft higher than centerline of State Highway 70; 68 ft E. of intersection of fencelines; on N. end of concrete culvert; chiseled square 397.23

Fryer, 3.0 mi SW. of, along State Highway 70; 12 ft S. and 12 ft W. of, and level with centerline of State Highway 70 at junction of T-rd. S.; in SW. rail of concrete culvert; standard tablet stamped "23 WLW 1953" 409.416

1953

LINE 4.

Feet

W. W. Tilton, 1953; Book AV 2018

U. E. Olney, 2.3 mi NE. of; 30 ft W. of, and 4 ft lower than centerline of rd.; 20 ft NE. of barn; on concrete well; chiseled square 437.95

Beulah, 4.2 mi W. of, along State Highway 70; 3.7 mi NE. of Olney; 25 ft S. and 27 ft W. of, and 2 ft higher than centerline of hwy. at junction of T-rd. S.; in concrete post; standard tablet stamped "TT 18 LJR 1953 466" 466.243

Reference mark; 240 ft E. of tablet; 12 ft N. of, and 1 ft higher than centerline of State Highway 70; on N. end of concrete culvert; chiseled square 473.74

LINE 5.

W. L. Wallace, 1953; Book AV 2020

Sullivan, 0.8 mi SW. of, along U. S. Highway 60 and 641, thence 1.6 mi W.; 8 ft E. of, and 2.5 ft higher than centerline of rd. at junction of T-rd. W.; at S. end of curve; 1 ft W. of fence line on E. side of rd.; in concrete post; standard tablet stamped "5 WLW 1952" 414.446

U.E., Sullivan, 0.8 mi SW. of, along U. S. Highway 60 and 641; on centerline of hwy. at junction of T-rd. NW.; chiseled square 373.38

"A 64 X 1935" (NGS) 376.387

LINE 6.

W. L. Wallace, 1953; Book AV 2020

"J 40 1934" (NGS) (Destroyed) 374.018

U.E., Providence, 0.6 mi SE. of, along State Highway 109; on centerline of hwy. at junction of T-rd. W.; chiseled square 392.68

/Jogs into Earlington quadrangle/

Dalton, 3.8 mi N. of; on E. side of iron bridge over Clear Creek; in center abutment; standard tablet stamped "355 ADJ 1903" 353.539

Dalton, 2.1 mi N. of; 22 ft S. and 33 ft E. of, and 1 ft lower than centerline of rd. at junction of T-rd. S.; in concrete post; standard tablet stamped "10 WLW 1953" 427.443

LINE 6 (Cont'd.)Feet

Dalton, 0.3 mi N. of; 40 ft N. and 20 ft E. of, and 5 ft higher than centerline of rd. at junction of T-rd. S.; in concrete post; standard tablet stamped "11 WLW 1953"	389.273
"14 WWT 1953 405" (Described in line 1)	404.664
Dalton, 2.3 mi NW. of, thence 0.2 mi E.; 40 ft N. and 50 ft W. of, and 2 ft higher than centerline of rd. at junction of T-rd. N.; in concrete post; standard tablet stamped "12 WLW 1953"	451.373
Dalton, 4.3 mi NW. of; 60 ft S. and 30 ft E. of, and 2.5 ft higher than centerline of rd. at junction of T-rd. S.; in concrete post; standard tablet stamped "13 WLW 1953"	378.167
Dalton, 4.3 mi NW. of, thence 2.5 mi SW.; 1.3 mi S. of Shady Grove, thence 2.6 mi E.; at Towery Bridge over Tradewater River; in SE. abutment of bridge; standard tablet stamped "14 WLW 1953"	361.970
U.E., Shady Grove, 1.3 mi SW. of, along State Highway 139, thence 2.0 mi E.; 16 ft S. and 20 ft E. of, and level with centerline of rd. at junction of driveway S.; in E. concrete abutment of culvert; chiseled square	369.28
Shady Grove, 1.3 mi SW. of, along State Highway 139, thence 1.2 mi E.; 30 ft S. and 30 ft W. of, and 2.5 ft lower than centerline of rd. at junction of T-rd. S.; in sandstone ledge; standard tablet stamped "15 WLW 1953"	466.335
U.E., Shady Grove, 1.3 mi SW. of, along State Highway 139, thence 0.7 mi E.; 8 ft S. of centerline of rd. at junction of fenceline S.; at drain crossing; on S. concrete abutment of culvert; chiseled square	459.29
Shady Grove, 1.3 mi SW. of, along State Highway 139; 30 ft N. and 20 ft W. of, and level with centerline of hwy. at junction of T-rd. E.; in concrete post; standard tablet stamped "16 WLW 1953"	456.136
Shady Grove; 200 ft SE. of centerline of State Highway 139 at junction of T-rd. SE.; at second house on N. side of rd. directly opposite Shady Grove Baptist Church; in SW. footing of house; standard tablet stamped "426"	426.817
Reference mark; 200 ft NW. of tablet; 16 ft E. of, and 0.5 ft lower than centerline of State Highway 139 at junction of drive E.; on E. end of concrete tile; chiseled square	419.89

LINE 6 (Cont'd.)Feet

U.E., Shady Grove, 0.5 mi NE. of; 12 ft S. of, and 1.5 ft lower than centerline of rd. at drain crossing in saddle; on S. end of concrete tile; chiseled square	392.12
U.E., Shady Grove, 1.0 mi NE. of; 20 ft N. and 16 ft E. of, and 1 ft lower than centerline of rd. at junction of T-rd. N.; on E. end of concrete tile; chiseled square	417.88
Shady Grove, 1.6 mi NE. of; 30 ft S. and 20 ft W. of and 0.5 ft lower than centerline of rd. at junction of T-rd. S.; in concrete post; standard tablet stamped "17 WLW 1953"	461.826
U.E., Shady Grove, 3.3 mi NE. of; 8 ft S. and 30 ft E. of, and 1 ft lower than centerline of rd. at junction of T-rd. N.; in S. end of concrete culvert; chiseled square	456.82
Shady Grove, 3.8 mi NE. of; 40 ft S. and 12 ft E. of, and 6 ft lower than centerline of crossroads in sandstone ledge; standard tablet stamped "18 WLW 1953" (Reported destroyed, 1954)	406.571
U.E., Shady Grove, 4.3 mi NE. of; 12 ft S. and 7 ft W. of, and level with centerline of rd. at junction of T-rd. E.; in W. end of concrete tile; chiseled square	362.14
U.E., Shady Grove, 4.8 mi NE. of; 8 ft N. of, and 0.5 ft lower than centerline of rd. at drain crossing; at fenceline N.; in N. end of concrete culvert; chiseled square	364.44
U.E., Shady Grove, 5.4 mi NE. of; 3.4 mi SW. of Providence; 8 ft N. of, and 1 ft lower than centerline of rd. at drain crossing in flat; on N. end of concrete tile; chiseled square	352.08
Providence, 2.8 mi SW. of; at Bellville; in SW. abutment of bridge over Tradewater River; standard tablet stamped "19 WLW 1953"	353.970
Reference mark; 14 ft N. of tablet; NW. rivet on NW. support of N. girder of Bellville Bridge over Tradewater River	354.14
U.E., Providence, 2.4 mi SW. of; 15 ft E. of, and 1.5 ft lower than centerline of rd. at drain crossing; on E. end of concrete culvert; chiseled square	357.06
U.E., Providence, 1.0 mi W. of; 300 ft SW. of L. & N. RR. crossing; 8 ft N. and 8 ft W. of, and 1 ft higher than centerline of rd. at drain crossing; on NW. rail of concrete bridge; chiseled square	379.00

LINE 6 (Cont'd.)Feet

"H 40 1934" (NGS) (Destroyed)	372.411
"J 40 1934" (NGS) (Destroyed) (Also in line 6)	374.018

LINE 7.

W. L. Wallace, 1953; Book AV 2020

"14 WWT 1953 405" (Described in line 1) (Also in line 6)	404.664
U.E., Dalton, 1.2 mi SW. of; 8 ft N. and 12 ft E. of, and 0.5 ft lower than centerline of State Highway 291 at junction of drive E.; on N. end of concrete tile; chiseled square	503.45
"20 WLW 1953" (Described in line 2)	385.620
U.E., Dalton, 2.3 mi SW. of, along State Highway 291, thence 0.5 mi W. along State Highway 70; 12 ft E. of, and level with centerline of crossroads; on N. end of concrete tile; chiseled square	405.71
Dalton, 2.3 mi SW. of, along State Highway 291, thence 1.1 mi W. along State Highway 70; at Wilson Bridge over Tradewater River; in NE. abutment; standard tablet stamped "372 ADJ 1903"	370.686
U.E., Dalton, 2.3 mi SW. of, thence 1.6 mi W.; centerline of State Highway 70 at junction of T-rd. N. and drive S.; on edge of cattle guard; chiseled square	425.96
U.E., Fryer, 0.6 mi N. of; 18 ft S. of, and level with centerline of State Highway 293 at drain crossing; on SW. concrete abutment of culvert; chiseled square	379.78
Fryer; at Barnes Store; 17 ft S. and 60 ft W. of, and 1.5 ft lower than centerline of State Highway 293 at junction of State Highway 70 W.; in concrete post; standard tablet stamped "21 WLW 1953"	379.853
Reference mark; 80 ft W. of tablet; 12 ft S. of, and 3 ft lower than centerline of State Highway 70 at drain crossing; on S. concrete abutment of culvert; chiseled square	377.85
U.E., Fryer, 0.6 mi W. of; 12 ft S. of, and level with centerline of State Highway 70 at drain crossing; on N. rail of concrete culvert; chiseled square	410.86
U.E., Fryer, 1.0 mi W. of; 8 ft W. of, and 1.5 ft lower than centerline of State Highway 70 at junction of rd. N.; 3 ft N. and 3 ft W. of NW. corner of small building; on E. end of metal tile; chiseled square	406.50

LINE 7 (Cont'd.)Feet

U.E., Fryer, 1.5 mi W. of; 12 ft S. and 25 ft W. of, and 2.5 ft higher than intersection of State Highway 70 and N.-S. crossroad; on S. concrete abutment of culvert; chiseled square	406.65
Fryer, 2.0 mi W. of, along State Highway 70; 15 ft N. of, and level with centerline of hwy. at E. end of bridge; in NE. concrete abutment of bridge; standard tablet stamped "22 WLW 1953"	383.00
Reference mark; 45 ft SW. of tablet; 15 ft S. of centerline of State Highway 70; on W. end of concrete bridge; chiseled square	383.99
U.E., Fryer, 2.5 mi SW. of; 20 ft E. of, and 1 ft lower than centerline of State Highway 70 at junction of T-rd. NE.; on E. end of metal tile; chiseled square	411.24
"23 WLW 1953" (Described in line 3)	409.416
Reference mark; 50 ft NE. of tablet; 12 ft N. and 12 ft E. of, and 1 ft lower than centerline of State Highway 70 at junction of T-rd. S.; on NE. rail of concrete culvert; chiseled square	408.27
U.E., Fryer, 3.0 mi SW. of, along State Highway 70, thence 0.4 mi N.; 14 ft W. of, and 1.5 ft higher than centerline of rd. opposite fence line W.; 200 ft S. of barn; on sandstone boulder; chiseled cross	411.24
U.E., Fryer, 3.0 mi SW. of, thence 0.8 mi N.; 14 ft W. of, and level with centerline of rd.; at S. end of bridge over Donaldson Creek; on SW. abutment; chiseled cross	378.01
Fryer, 3.0 mi SW. of, along State Highway 70, thence 2.0 mi N.; 30 ft N. and 16 ft E. of, and 3.5 ft higher than centerline of rd. at junction of T-rd. SW.; in concrete post; standard tablet stamped "24 WLW 1953"	485.411
U.E., Fryer, 3.0 mi SW. of, thence 2.5 mi N.; 20 ft S. and 12 ft E. of, and 0.5 ft lower than centerline of rd. at junction of T-rd. E.; on sandstone ledge; chiseled square	577.32
U.E., Fryer, 3.0 mi SW. of, thence 3.8 mi N.; 15 ft S. and 8 ft W. of, and 1 ft higher than centerline of rd. at junction of T-rd. W.; on W. end of concrete tile; chiseled square	526.45
"15 WLW 1953" (Described in line 6)	466.335

LINE 8.

W. L. Wallace, 1953; Book AV 2020

"J 40 1934" (NGS) (Also in line 6)	374.018
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LINE 8 (Cont'd.)Feet

Providence, 1.4 mi N. of; 110 ft S. and 34 ft W. of, and 3.5 ft higher than centerline of rd. at junction of T-rd. W.; 3 ft S. of telephone pole; in concrete post; standard tablet stamped "25 WLW 1953" 447.523

U.E., Providence, 2.5 mi N. of; 8 ft S. and 12 ft E. of, and 0.5 ft higher than centerline of rd. at junction of driveway E.; on S. end of concrete tile; chiseled square 395.12

Providence, 3.5 mi N. of; 2.1 mi SW. of Lisman; 14 ft S. and 12 ft E. of, and 1.5 ft lower than centerline of rd. at junction of T-rd. E.; in concrete post; standard tablet stamped "26 WLW 1953" 366.549

/Jogs into Earlington quadrangle/

Lisman, 2.0 mi NW. of, along State Highway 874; 4.5 mi NW. of Clay, along State Highway 132; 35 ft S. and 10 ft NE. of, and level with centerline of Highway 132 at junction of Highway 874; in E. wing-wall of bridge; standard tablet stamped "28 WLW 1953" 371.873

Reference mark; 10 ft NW. of tablet; 8 ft NE. and 25 ft SE. of centerline of State Highway 132 at junction of State Highway 874; on N. end of concrete rail of bridge; chiseled square 372.56

Clay, 2.1 mi NE. of, along State Highway 132; 40 ft NE. and 20 ft NW. of, and 1 ft higher than centerline of hwy. at junction of driveway NW.; 4 ft SE. of SE. corner of lot; in concrete post; standard tablet stamped "29 WLW 1953" 395.974

U.E., Clay, 1.0 mi NE. of; 12 ft S. and 12 ft E. of, and level with centerline of State Highway 132 at junction of field entrance; on NE. end of concrete tile; chiseled square 363.48

Clay; at RR. crossing; in SE. corner of brick block owned by Clay Mercantile Company; standard tablet stamped "380 ADJ 1903" *Reset* *See BACK PAGE* ~~379.088~~

Reference mark; 10 ft E. of tablet; 2 ft N. and 10 ft E. of SE. corner of Red Front Store; on W. rail of spur switch line; chiseled square 376.64

U.E., Clay, 0.9 mi NW. of; 20 ft S. and 20 ft W. of, and 1 ft lower than intersection of State Highway 85 and NE.-SW. crossroad; on E. end of concrete tile; chiseled square 374.93

"D 40 1934" (NGS) 372.066

PROVIDENCE QUADRANGLE
Book AV 2020

106 KENTUCKY

W. L. Wallace

37-087-34
11

1953

LINE 9.

Feet

W. L. Wallace, 1953; Book AV 2020

"J 40 1934" (NGS) (Also in lines 6 and 8) 374.018

U.E., Providence; 40 ft E. of, and level with intersection of State Highway 85 and Finley Street; on concrete driveway of service station; chiseled square 407.74

LINE 10.

W. L. Wallace, 1953; Book AV 2020

"28 WLW 1953" (Described in line 8) 371.873

LINE 11.

W. L. Wallace, 1953; Book AV 2020

U.E., Enon, 0.3 mi NE. of; 15 ft N. of, and level with center of bridge at drain crossing; on N. end of concrete culvert; chiseled square 450.13

Enon, 0.8 mi NE. of, along State Highway 902; 35 ft NE. of centerline of hwy. at junction of T-rd. NW.; 500 ft SE. of residence of D. W. Vinson; 2 ft from corner fencepost; on iron post; standard cap stamped "PRIM TRAV STA NO 16 1906 464 ADJ 1903" 463.267

U.E., Enon, 0.8 mi NE. of, thence 1.0 mi NW.; 12 ft W. of, and level with centerline of rd. at drain crossing; on W. end of concrete tile; chiseled square 580.87

Enon, 0.8 mi NE. of, along State Highway 902, thence 1.2 mi NW.; 30 ft E. of, and 4 ft higher than centerline of rd. at junction of T-rd. SW.; in concrete post; standard tablet stamped "48 WLW 1953" 599.846

/Jogs into Cave In Rock quadrangle/

Tribune, 1.3 mi S. of, along State Highway 654; 30 ft N. and 21 ft W. of, and level with centerline of crossroads; 1 ft S. and 1 ft E. of fence corner; in concrete post; standard tablet stamped "32 JR 1953 498" 497.952

LINE 12.

J. J. Recktenwald, 1953; Book AV 2022

U.E., Tribune, 2.3 mi N. of, along State Highway 654; 75 ft N. of, and 4 ft higher than centerline of hwy. at junction of T-rd. NE.; on stone in top of sharp bank; chiseled square 539.30

LINE 12 (Cont'd.)Feet

Tribune, 1.9 mi N. of, along State Highway 654; 34 ft S. and 12 ft W. of centerline of hwy. at junction of T-rd. W.; 2 ft S. of corner fencepost; on iron post; standard cap stamped "PRIM TRAV STA NO 15 1906 508 ADJ 1903"	507.635
U.E., Tribune, 2.3 mi N. of, along State Highway 654, thence 1.0 mi NE.; 21 ft N. of, and 1 ft lower than centerline of rd. at bend in rd.; on N. end of concrete drainpipe; chiseled square	494.69
Tribune, 2.3 mi N. of, along State Highway 654, thence 2.0 mi NE.; 19 ft S. of, and level with centerline of rd.; 150 ft NW. of Pigeonroost Creek; 103 ft S. of SW. corner of house; 45 ft N. and 15 ft W. of NW. corner of barn; 1 ft N. of fenceline; in concrete post; standard tablet stamped "25 JR 1953 421"	421.413
U.E., Tribune, 2.3 mi N. of, along State Highway 654, thence 2.6 mi NE.; 0.1 mi SE. of Cave Spring Church; 6 ft E. of, and level with centerline of rd. at junction of T-rd. N.; 180 ft E. of house standing on knoll; on E. end of concrete drainpipe; chiseled square	509.90
U.E., Tribune, 3.0 mi NE. of, along State Highway 120, thence 2.5 mi NW.; 0.5 mi SE. of Cave Spring Church; 9 ft E. of, and level with centerline of rd. at junction of T-rd. S.; on sandstone outcrop; chiseled square	484.57
U.E., Tribune, 3.0 mi NE. of, thence 1.9 mi NW.; 7 ft S. of, and 0.5 ft lower than centerline of rd. at small drain crossing; 75 ft S. of shingled house on N. side of rd.; on S. end of concrete drainpipe; chiseled square	474.71
Tribune, 3.0 mi NE. of, along State Highway 120, thence 1.4 mi NW.; 12 ft S. and 11 ft E. of, and 2 ft higher than centerline of rd. at junction of driveway; 84 ft E. of NE. corner of house on W. side of rd.; 51 ft W. of SW. corner of barn on E. side of rd.; 1 ft W. of wooden fence; in concrete post; standard tablet stamped "26 JR 1953 417"	416.838
U.E., Tribune, 3.0 mi NE. of, thence 0.3 mi N.; 9 ft W. of, and 1 ft lower than center of wooden bridge over Olive Branch Creek; on SW. concrete wingwall; chiseled square	384.65
Tribune, 3.9 mi NE. of, along State Highway 120; at Deanwood; 32 ft S. of, and 3 ft higher than centerline of Highway 120; 29 ft N. and 9 ft W. of NW. corner of Deanwood General Store; in concrete post; standard tablet stamped "27 JR 1953 374"	374.117

LINE 12 (Cont'd.)Feet

U.E., Deanwood, 1.0 mi SE. of; 15 ft S. and 54 ft W. of, and 5 ft lower than centerline of State Highway 120; at junction of farm rd. S.; on S. concrete headwall of culvert; chiseled square	401.70
Deanwood, 1.8 mi SE. of, along State Highway 120; 1.7 mi NW. of Shady Grove, along State Highway 139; 8 ft S. and 66 ft W. of, and 2.5 ft lower than centerline of Highway 139 at E. junction of Highway 120 N.; 12 ft W. of junction of graveled driveway SW.; 3 ft N. of fenceline; in concrete post; standard tablet stamped "28 JR 1953 483 TT"	482.291
Reference mark; 90 ft N. and 95 ft W. of tablet; 10 ft N. of centerline of State Highway 120; on N. headwall of concrete culvert; chiseled square	482.90
Shady Grove, 1.7 mi NW. of, along State Highway 139, thence 1.6 mi N. along State Highway 120; 31 ft E. of, and about 3 ft higher than centerline of hwy.; in concrete post; standard tablet stamped "TT 12 IG 1953 562"	562.347
Reference mark; 147 ft N. of tablet; 21 ft W. of centerline of State Highway 120; at NE. peak of brush patch; on concrete headwall of culvert; chiseled square	557.60
Piney; in second stone from SW. corner of foundation of Enon Church; standard tablet stamped "409" (Reported disturbed, 1952)	409.520
Reference mark; 12 ft S. and 9 ft E. of tablet; at W. set of church steps; on bottom step; chiseled square	409.99
U.E., Piney, 0.8 mi N. of; 6 ft S. and 15 ft E. of, and 0.5 ft higher than centerline of State Highway 132 at junction of field rd. E.; at S. end of culvert; on stone headwall; chiseled square	359.14
Piney, 2.0 mi NE. of, along State Highway 132; 2.8 mi SE. of Blackford, along State Highway 143; 10 ft N. and 51 ft E. of, and 1 ft higher than centerline of Highway 132 at junction of Highway 143 NW.; in concrete post; standard tablet stamped "TT 13 IG 1953 365"	364.839
U.E., Piney, 2.8 mi NE. of; 15 ft W. of, and 0.5 ft higher than centerline of State Highway 132 at junction of T-rd. SE.; at top of steep hill; on S. end of concrete drainpipe; chiseled square	446.59
Piney, 3.7 mi NE. of, along State Highway 132; 8 ft S. and 62 ft W. of, and 2 ft higher than centerline of hwy. at junction of drive N.; in concrete post; standard tablet stamped "TT 14 IG 1953 394"	393.552

LINE 12 (Cont'd.)Feet

"C 40 1934" (NGS) (Reported not found, 1952)

358.434

LINE 13.

J. J. Recktenwald, 1953; Book AV 2022

"B 40 1934" (NGS)

368.231

"C 40 1934" (NGS) (Also in line 12)

358.434

LINE 14.

J. J. Recktenwald, 1953; Book AV 2022

"28 JR 1953 483 TT" (Described in line 12)

482.291

Reference mark; chiseled square (Described in line 12)

482.90

"426" (Described in line 6)

426.817

Reference mark; chiseled square (Described in line 6)

419.88

LINE 15.

J. J. Recktenwald, 1953; Book AV 2022

"426" (Described in line 6) (Also in line 14)

426.817

Reference mark; chiseled square (Described in line 6)

419.89

U.E., Shady Grove, 0.4 mi S. of; 12 ft S. and 15 ft W. of, and level with centerline of State Highway 139 at junction of State Highway 654; on S. end of concrete drainpipe; chiseled square

458.58

Shady Grove, 0.4 mi S. of, along State Highway 139, thence 1.6 mi SW. along State Highway 654; 18 ft S. of, and 2 ft lower than centerline of hwy.; 39 ft S. and 30 ft W. of center of wooden bridge over Little Piney Creek; in concrete post; standard tablet stamped "29 JR 1953 370"

370.213

Shady Grove, 0.4 mi S. of, along State Highway 139, thence 3.9 mi SW. along State Highway 654; 22 ft N. and 120 ft E. of centerline of hwy. at junction of T-rd. S.; 200 ft SW. of house; 80 ft S. of stock pond; 3 ft S. of fenceline; in concrete post; standard tablet stamped "30 JR 1953 473"

472.840

LINE 15 (Cont'd.)Feet

U.E., Shady Grove, 0.4 mi S. of, thence 4.4 mi SW.; 5.7 mi SE. of Tribune; in front steps of Blackburn Church; on W. side of bottom step; chiseled square	393.58
U.E., Tribune, 5.0 mi SE. of; 9 ft N. and 9 ft E. of, and 0.5 ft lower than E. end of bridge over Piney Creek; on concrete wingwall; chiseled square	378.79
Tribune, 3.8 mi SE. of, along State Highway 654; 15 ft N. and 27 ft E. of, and 2 ft higher than centerline of hwy. at junction of rd. NW.; in field corner; in concrete post; standard tablet stamped "31 JR 1953 473"	472.604
"32 JR 1953 498" (Described in line 11)	497.952
Tribune; 75 ft N. and 72 ft E. of Orr Store; 24 ft N. and 45 ft W. of, and 3 ft higher than centerline of crossroads; 1 ft S. and 2 ft E. of telephone pole; in concrete post; standard tablet stamped "33 JR 1953 433"	432.913
"PRIM TRAV STA NO 15 1906 508 ADJ 1903" (Described in line 12)	507.635

PROVIDENCE QUADRANGLE
106 KENTUCKY

RESET

BM 380 ADJ 1903 RESET 1986

BM; AT CLAY, NEAR THE INTERSECTION OF STATE ROUTE 109 AND RAILROAD STREET,
16 FT. NE. OF THE CENTERLINE OF RAILROAD STREET, 33 FT. NW. OF THE CENTER-
LINE OF STATE ROUTE 109, 5.0 FT. NW. OF THE CORNER OF BRICK BUILDING, SET
IN THE NE. CORNER OF A SIDEWALK, STANDARD TABLET STAMPED, "380 ADJ RESET
1986"

RESET ELEVATION 376.222 FT.

RESET BY KENTUCKY DEPARTMENT OF TRANSPORTATION

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

37-087-34
PROVIDENCE QUADRANGLE
106 KENTUCKY
W3715-W8745/15
DIAGRAM NJ 16-8
EVANSVILLE

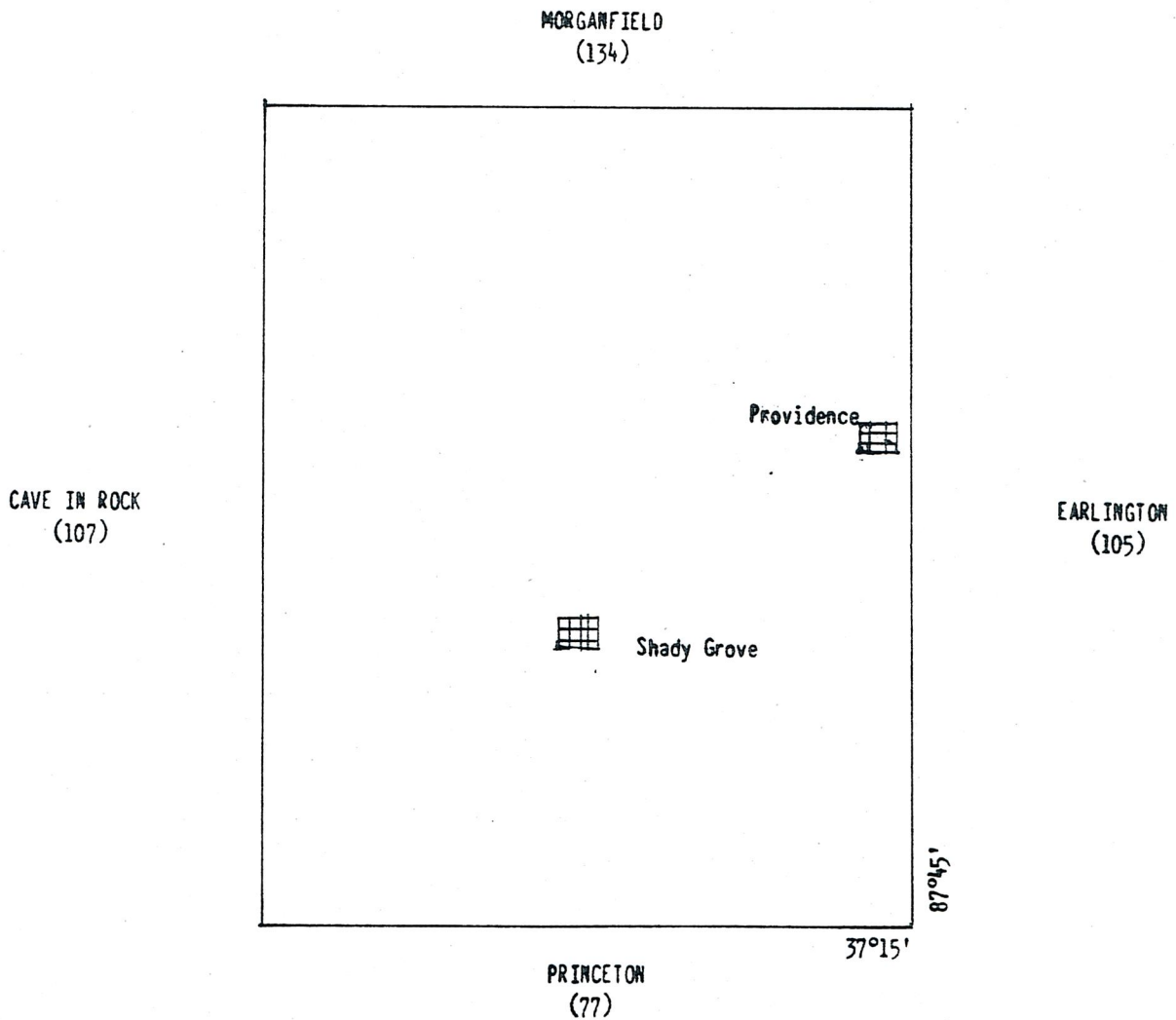
Caldwell, Crittenden, Hopkins, Union
and Webster Counties

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

Edition of 10/4/77

PR: CRV/rmm

Plane coordinates are based on Lambert
projection, Kentucky, South Zone



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.

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>
409 TT	5
426 TT	5
372 ADJ 1903 TT	4
PTS NO 10 1906 395 ADJ 1903	3
PTS NO 15 1906 508 ADJ 1903	3
PTS NO 16 1906 464 ADJ 1903	3
PTS NO 17 1906 588 ADJ 1903	3
PTS NO 18 1906 438 ADJ 1903	3
PTS NO 19 1906	3
TT 12 IG 1953 562	6
TT 13 IG 1953 365	5
TT 14 IG 1953 394	5
28 JR 1953 483 TT	5
TT 18 LJR 1953 466	5
15 WLW 1953 TT	4
16 WLW 1953 TT	4
20 WLW 1953 TT	4
21 WLW 1953 TT	4
22 WLW 1953 TT	3
23 WLW 1953 TT	3
24 WLW 1953 TT	4
<u>NGS</u>	
C 40 1934	5
D 40 1934	5

STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE ° ' "	LONGITUDE ° ' "
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The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By J. R. Ellis, 1906; Books A297-A299

Sullivan, in N. corner of frontyard of John McGraw; 17 ft NE. of NE. corner of house; 70 ft SE. of E. corner of house opposite; in sandstone post; standard tablet stamped "PRIM TRAV STA NO 10 1906 395 ADJ 1903"
(Not found, 1952)

X = 1,363,315	Y = 431,419	37 29 52.70	87 56 41.40
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Tribune, 1.9 mi N. of, along State Highway 654; 34 ft S. and 12 ft W. of centerline of hwy. at junction of T-rd. W.; 2 ft S. of corner fencepost; on iron post; standard cap stamped "PRIM TRAV STA NO 15 1906 508 ADJ 1903"

X = 1,346,867	Y = 386,899	37 22 28.80	87 59 52.30
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Enon, 0.8 mi NE. of, along State Highway 902; 35 ft NE. of centerline of hwy. at junction of T-rd. NW.; 500 ft SE. of residence of D. W. Vinson; 2 ft from corner fencepost; on iron post; standard cap stamped "PRIM TRAV STA NO 16 1906 464 ADJ 1903"

X = 1,351,060	Y = 344,219	37 15 27.90	87 58 47.90
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Quinn, 2.2 mi W. of; 18 ft from SW. corner of Walnut School; 24 ft NE. of black walnut tree; on iron post; standard cap stamped "PRIM TRAV STA NO 17 1906 588 ADJ 1903" (Not found, 1954)

X = 1,383,172	Y = 353,302	37 17 05.00	87 52 13.30
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Dalton; 3 ft N. of center of front of school building; on iron post; standard cap stamped "PRIM TRAV STA NO 18 1906 438 ADJ 1903" (Reported destroyed, 1954)

X = 1,413,439	Y = 356,493	37 17 43.10	87 45 59.70
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Providence; in retaining wall around frontyard of T. B. Paine; standard tablet stamped "PRIM TRAV STA NO 19 1906"

X = 1,415,396	Y = 393,679	37 23 51.10	87 45 45.30
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By E. J. Roberts, 1953; Book AH 2006

Fryer, 3.0 mi SW. of, along State Highway 70; 12 ft S. and 12 ft W. of, and level with centerline of State Highway 70 at junction of T-rd. S.; in SW. rail of concrete culvert; standard tablet stamped "23 WLW 1953 II"

X = 1,382,080	Y = 342,707	37 15 20.02	87 52 23.85
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Fryer, 2.0 mi W. of, along State Highway 70; 15 ft N. of, and level with centerline of hwy. at E. end of bridge; in NE. concrete abutment of bridge; standard tablet stamped "22 WLW 1953 II"

X = 1,387,368	Y = 342,432	37 15 18.48	87 51 18.40
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STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

Fryer, at Barnes Store; 17 ft S. and 60 ft W. of, and 1.5 ft lower than centerline of State Highway 293 at junction of State Highway 70 W.; in concrete post; standard tablet stamped "21 WLW 1953 TT"

X = 1,397,597 Y = 344,876 37 15 44.88 87 49 12.56

Dalton, 2.3 mi SW. of, along State Highway 291, thence 1.1 mi W. along State Highway 70; at Wilson Bridge over Tradewater River; in NE. abutment; standard tablet stamped "372 WDJ 1903 TT"

X = 1,404,543 Y = 349,150 37 16 28.61 87 47 47.80

Beulah, 5.9 mi W. of, along State Highway 70; 2.3 mi SW. of Dalton, along State Highway 291; 40 ft N. and 30 ft W. of, and level with centerline of Highway 291 at junction of Highway 70 W.; in concrete post; standard tablet stamped "20 WLW 1953 TT"

X = 1,409,460 Y = 349,121 37 16 29.37 87 46 46.98

Beulah, 4.2 mi W. of, along State Highway 70; 3.7 mi NE. of Olney; 25 ft S. and 27 ft W. of, and 2 ft higher than centerline of hwy. at junction of I-rd. S.; in concrete post; standard tablet stamped "TT 18 LJR 1953 466"

X = 1,417,382 Y = 346,406 37 16 04.21 87 45 08.28

By I. H. Gessley, 1953; Book AH 2006

Fryer, 3.0 mi SW. of, along State Highway 70, thence 2.0 mi N.; 30 ft N. and 16 ft E. of, and 3.5 ft higher than centerline of rd. at junction of I-rd. SW.; in concrete post; standard tablet stamped "24 WLW 1953 TT"

X = 1,381,917 Y = 351,483 37 16 46.75 87 52 28.30

Shady Grove, 1.3 mi SW. of, along State Highway 139, thence 1.2 mi E.; 30 ft S. and 30 ft W. of, and 2.5 ft lower than centerline of rd. at junction of I-rd. S.; in sandstone ledge; standard tablet stamped "15 WLW 1953 TT"

X = 1,384,021 Y = 365,113 37 19 01.94 87 52 06.07

Shady Grove, 1.3 mi SW. of, along State Highway 139; 30 ft N. and 20 ft W. of, and level with centerline of hwy. at junction of I-rd. E.; in concrete post; standard tablet stamped "16 WLW 1953 TT"

X = 1,377,869 Y = 366,496 37 19 14.24 87 53 22.59

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

OBSOLETE MARKS (Cont'd.)

Shady Grove; 200 ft SE. of centerline of State Highway 139 at junction of T-rd. SE.; at second house on N. side of rd. directly opposite Shady Grove Baptist Church; in SW. footing of house; standard tablet stamped "426 TT"

X = 1,381,152 Y = 372,224 37 20 11.59 87 52 43.56

Deanwood, 1.8 mi SE. of, along State Highway 120; 1.7 mi NW. of Shady Grove along State Highway 139; 8 ft S. and 66 ft W. of, and 2.5 ft lower than centerline of Highway 139 at E. junction of Highway 120 N.; 12 ft W. of junction of graveled driveway SW.; 3 ft N. of fenceline; in concrete post; standard tablet stamped "28 JR 1953 483 TT"

X = 1,374,013 Y = 377,221 37 20 59.39 87 54 13.36

Piney, in second stone from SW. corner of foundation of Enon Church; standard tablet stamped "409 TT" (Reported disturbed, 1952)

X = 1,374,432 Y = 393,716 37 23 42.54 87 54 12.83

Piney, 2.0 mi NE. of, along State Highway 132; 2.8 mi SE. of Blackford, along State Highway 143; 10 ft N. and 51 ft E. of, and 1 ft higher than centerline of Highway 132 at junction of Highway 143 NW.; in concrete post; standard tablet stamped "TI 13 IG 1953 365"

X = 1,376,040 Y = 403,860 37 25 23.17 87 53 55.76

Piney, 3.7 mi NE. of, along State Highway 132; 8 ft S. and 62 ft W. of, and 2 ft higher than centerline of hwy. at junction of drive N.; in concrete post; standard tablet stamped "TI 14 IG 1953 394"

X = 1,382,277 Y = 410,025 37 26 25.51 87 52 40.18

Wheatcroft; 2.5 mi SW. of I.C. RR. station, along RR.; 58 ft E. of E. side of station at Virginia; 32 ft S. of fence corner; 24 ft W. of centerline of dirt rd.; 16 ft N. of N. rail; 4 ft W. of cattleguard fence; 1.5 ft lower than track; in concrete post; NGS standard disk stamped "C 40 1934" (Not found, 1956)

X = 1,378,418 Y = 418,528 37 27 48.69 87 53 30.39

Wheatcroft; on I.C. RR.; in SW. angle of first rd. crossing E. of station; 78 ft S. of centerline of State Highway 85; 26 ft W. of centerline of dirt rd.; 12 ft S. of S. rail; level with track; in concrete post; NGS standard disk stamped "D 40 1934"

X = 1,387,078 Y = 427,863 37 29 22.89 87 51 45.61

106 KENTUCKY
PROVIDENCE QUADRANGLE

37-087-34
6

STATION DESCRIPTION
 PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

MARK TIED BY WGS

By I. H. Gessley, 1953; Book AH 2006

Shady Grove, 1.7 mi NW. of, along State Highway 139, thence 1.6 mi N. along State Highway 120; 31 ft E. of,
and about 3 ft higher than centerline of hwy.; in concrete post; standard tablet stamped "TT 12 16 1953 562"

X = 1,376,125.61 Y = 385,059.77

37 22 17.354

87 53 49.404